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WHO'S WHO
 1954 - 55

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WHO'S WHO **1954-55**

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(A TIMES OF INDIA PUBLICATION)

Edited by : **FRANK MORAES**

PRICE Rs. 30

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Published by :

BENNETT, COLEMAN & CO., LTD.
THE TIMES OF INDIA OFFICES, BOMBAY, DELHI AND CALCUTTA
LONDON : 4, ALBEMARLE STREET, W. 1.





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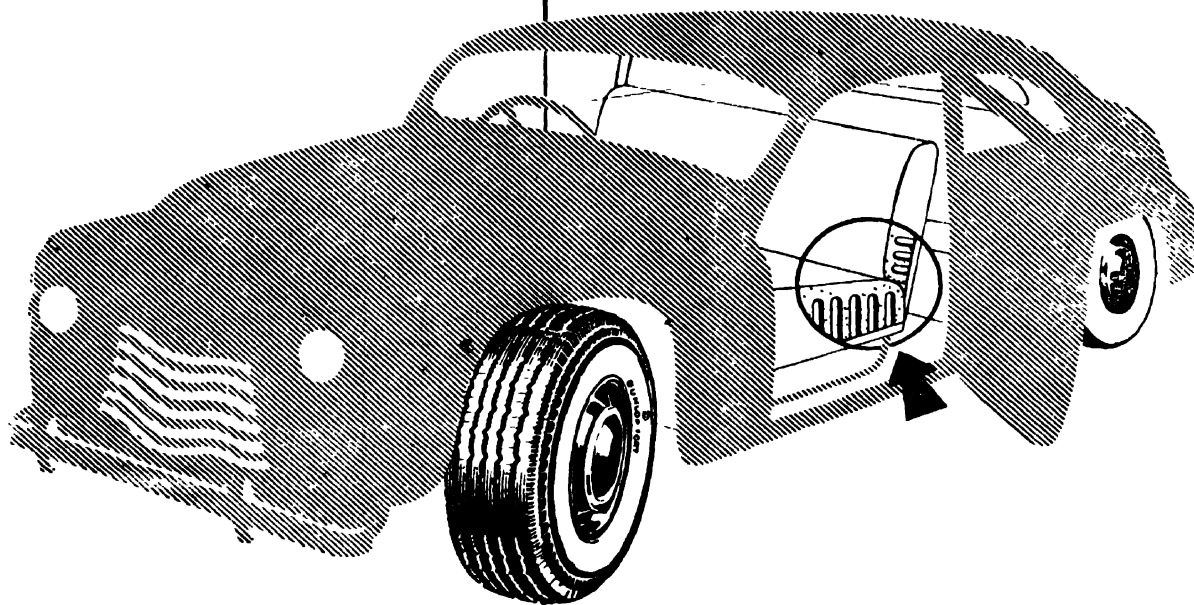
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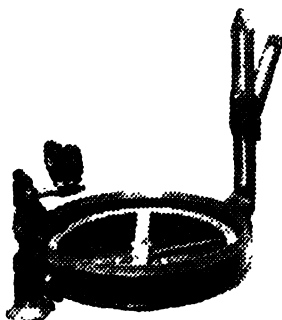
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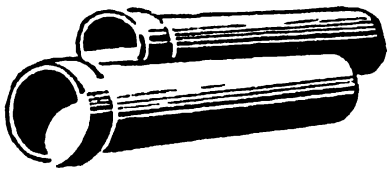
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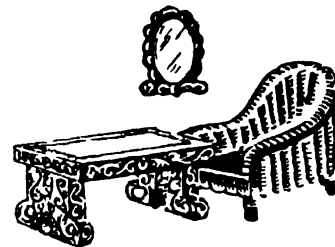
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K. P. R. MENON,

Managing Director.

THE BANK OF INDIA LIMITED

Established 7th September, 1906.

Head Office: MAHATMA GANDHI ROAD, FORT, BOMBAY.

Capital Subscribed Rs. 5,00,00,000
Capital Paid-up „ 2,50,00,000
Reserve Fund „ 3,52,00,000

DIRECTORS:

SIR COWASJEE JEHangIR, BARONET,
G.B.E., K.C.I.E., CHAIRMAN; MR. AMBALAL
SARABHAI; SIR JOSEPH KAY, K.B.E.;
MR. DINSHA K. DAJI; MR. RAMNIWAS
RAMNARAIN; MR. BHAGVANDAS
CHUNILAL MEHTA; MR. KRISHNARAJ
M. D. THACKERSEY; MR. A. D. SHROFF.

General Manager: A. C. CLARKE.

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Settlements and undertakes trustee business generally.

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Gandhi Road	JAMSHEDPUR
Manek Chowk	JUNAGADH
Station Branch	KOZHIOODE
AMRITSAR	(Formerly Calicut)
BHUJ (Kutch)	MADRAS
BOMBAY	NAGPUR
Andheri	Kingsway
Bandra	Itwari Bazar
Bullion Exchange	NEW DELHI
Colaba	PALANPUR
Kalbadevi	POONA
Malabar Hill	POONA CITY
CALCUTTA	RAJKOT
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(Established 1908.)

Capital Authorised	Rs.	2,40,00,000
Capital Issued and Subscribed	„	2,00,00,000
Capital Called-up	„	1,00,00,000
Capital Paid-up	„	1,00,00,000
Reserve Funds	„	1,28,00,000

Head Office :—BARODA

Bombay Main Office :—Apollo Street, Fort.

Bombay Sub-Offices :—(1) 32/34, Zaveri Bazar, (2) Masjid Bunder Road, Mandvi and (3) Bullion Hall, Sheikh Memon Street.

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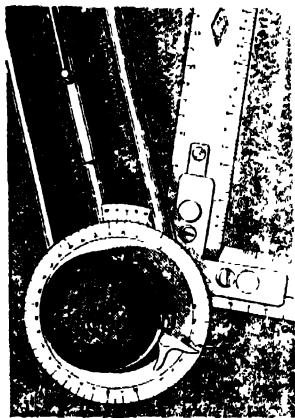
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Liquors & Pharmaceuticals Dept.	No. 512	(MCY)
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Reserve Fund „ 75,00,000

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| (2) Near Cotton Exchange, Kalbadevi. | „ 26692 |
| (3) Sonawala Building, Zaveri Bazar. | „ 34861 |
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Chairman: M. S. CAPTAIN, Esq.

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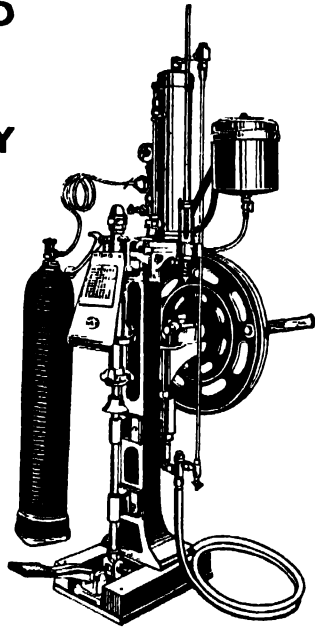
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Registered Office: Bunder Road, KARACHI

CAPITAL Rs.

Authorised Pak.	2,00,00,000
Issued and Subscribed	1,00,00,000
Paid-up	1,00,00,000
Reserve Funds	1,00,00,000
Deposits as on 31-12-1952 ..	34,57,00,060

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4. Merewether Tower
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11. Hyderabad
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14. Larkana
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| 21. Jhelum | 29. Multan |
| 22. Khanewal | 30. Okara |
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| 24. Lahore (Cantt.) | 32. Rawalpindi (City) |
| 25. Lahore (Circular Rd.) | 33. Sargodha |
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| 40. Chittagong | 45. Khulna |
| 41. Khatoonganj | 46. Narayanganj |
| 42. Dacca (Moulvi Bazar) | 47. Rangpur |
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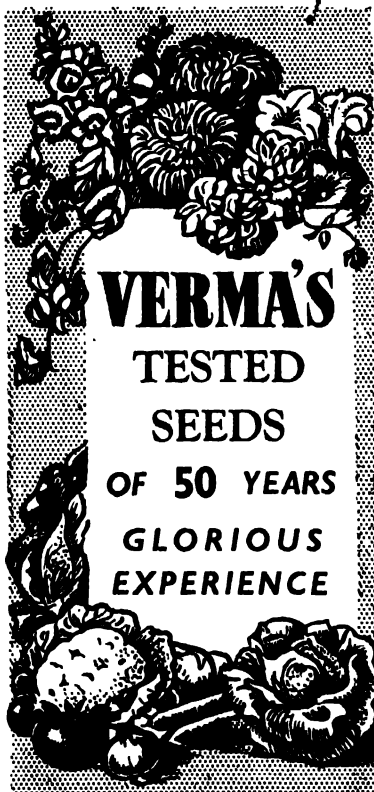
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PHYSIOGRAPHY

GEOGRAPHICALLY the mass of land today called India consists of the territories contained in the Union of India, the Portuguese possessions of Goa, Daman, Diu and the French possessions of Mahe, Karikal, Pondicherry and Yanam.

The Union of India (also referred to as the Republic of India) consists of the following 29 States. The names in brackets are of the capitals of the States:

Andhra (Kurnool)*, Assam (Shillong), Bihar (Patna), Bombay (Bombay), Madhya Pradesh, formerly called C.P. and Berar (Nagpur), Madras (Madras), Orissa (Cuttack), Punjab (Chandigarh), Uttar Pradesh, formerly called United Provinces (Lucknow), West Bengal (Calcutta), Hyderabad (Hyderabad), Jammu and Kashmir (Srinagar), Madhya Bharat (Gwalior), Mysore (Bangalore), Patiala and East Punjab States Union (Patiala), Rajasthan (Jaipur), Saurashtra (Rajkot), Travancore-Cochin (Trivandrum), Vindhya Pradesh (Rewa), Ajmer (Ajmer), Bilaspur (Simla), Bhopal (Bhopal), Coorg (Mercur), Delhi (Delhi), Himachal Pradesh (Simla), Kutch (Bhuj), Manipur (Imphal), Tripura (Agartala), Andaman and Nicobar Islands (Port Blair).

Some of these States have what is called a summer capital. The names of the summer capitals are given in brackets:

Bihar (Ranchi), Bombay (Poona), Madhya Pradesh (Pachmarhi), Madras (Ootacamund), Punjab (Simla), Uttar Pradesh (Naini Tal), West Bengal (Darjeeling), Jammu and Kashmir (Gulmarg), Madhya Bharat (Indore).

It may be stated here that the movement to the summer capital is not always as complete as it used to be.

India is about 1,700 miles from east to west, and about 2,000 miles from north to south. Its land frontier is about 7,100 miles long, and the sea frontier about 4,100 miles. The total land area is 1,269,610 sq. miles. The total population is 356,879,394† which is a little less than one-sixth of the population of the whole world.

In shape India is like a triangle with its base resting on the Himalaya Mountains in the north and its apex running far into the ocean in the south. At the southern extremity the triangle tapers with a pear-shaped curve to a point called Cape Comorin.

India lies entirely to the north of the equator. From south to north including Kashmir, it stretches from 8° north latitude to 37° north latitude, with the Tropic of Cancer cutting it roughly into two halves. West to east it stretches from about 68° 20' east longitude to 97° east longitude.

Broadly speaking India is shut off from the mainland of Asia by the Himalaya Mountains, the highest mountain range in the world. Going from west to east along the country's land frontier are Pakistan, Chinese Turkestan, Tibet, China, Burma and Pakistan. In the south, the country is surrounded on all sides by water—the Arabian Sea in the west, the Indian Ocean in the south and the Bay of Bengal in the east.

India is so vast and diversified that expressions like 'average rainfall,' 'average temperature' have no meaning. The average annual rainfall in the Thar desert is 4 inches, while that in Cherrapunji is 425. Similarly places in Kashmir have a minimum temperature of 49° F. while places in Rajasthan have recorded a maximum temperature of 120° F. So one can only speak of local averages rather than of national averages.

Compared with the size of the country, the coast-line is short, as there are few bays or inlets. Hence there are also very few harbours. The fact is the west coast is rocky and the sea is deep near the coast, while in the east the sea is extremely shallow so that big ocean-going ships have to weigh anchor at some distance from the shore. The only so-called

natural harbours are Bombay and Goa, while Madras, Vishakapatnam and Port Okha are examples of purely artificial harbours built by human enterprise.

The principal ports in India are (going from west to east along the coast), Bedi Bunder, Port Okha, Porbandar, Surat, Bombay, Marugao, Mangalore, Kozhikode (Calicut), Cochin, Alleppey, Quilon, Tuticorin, Dhanushkodi, Nagapattinam, Karikal, Cuddalore, Pondicherry, Madras, Masulipatnam, Kakinada, Vishakapatnam and Calcutta. Of these, Karikal and Pondicherry belong to France, Marugao belongs to Portugal, while the rest are in the Republic of India. It may also be mentioned that the new harbour at Kandla in Kutch is now in use.

MOUNTAIN WALL

India can be divided into three natural regions—1. the mountain wall, 2. the Plain of Hindustan, and 3. the Indian Plateau.

Let us take the mountain wall first. From the Pamir Knot in the far north two mountain ranges radiate one in the south-east and easterly direction called the Himalayas, and the other in a south-western direction reaching almost down to the sea, called the Sulaiman Range in the north and the Kirthar Range in the south. In the east the mountain wall between India and Burma is called by different names in different places. In the north, for instance, it is known as the Patkoi Hills, further south as the Naga Hills. In Assam it is called Jaintia, Khasi and Garo. Southward are the Lushai Hills, then lastly there are the Arakan Yoma which finally reach the sea at Cape Negrais and continue in the Andaman and Nicobar Islands.

Of the various ranges which constitute the mountain wall of India the Himalayas are the most note-worthy. Extending like a scimitar for a distance of 1,250 miles along the northern frontiers of the country they form the loftiest mountain range in the whole world, and contain many of the highest mountain peaks, Mount Everest 29,002 ft., Mount Godwin Austen 28,250 ft., and Kanchenjunga 28,140 ft.

There are no easy ways in and out through the mountain wall which shuts off India from the rest of Asia, but there are a few difficult passes. In the very north are the Zojila Pass and the Shipki Pass which lead out of Kashmir and Punjab respectively. Then from Shipki right down to Darjeeling there is no route across the mountain wall. Across the Burma frontier again there are a few routes but they are of little use for purposes of communication.

The following is a more detailed description of the mountain region.

In the east on the border of Burma the mountain wall is much lower. Here it can more accurately be described as a range of hills rather than of mountains. This region is wet, forested and very thinly populated. The region round about Cherrapunji in Assam has the highest rainfall in the world.

Then from Darjeeling to Kashmir are the Himalayas proper, over 1,500 miles in length and 150 to 300 miles in breadth. The Himalayas are thus not a mountain chain in the proper sense of the word. They can be described as a series of parallel but converging ranges intersected by valleys and big plateaus. On the whole, the slopes of the mountains facing India are very steep, while those facing north are much more gentle. We say, on the whole, because though the eastern Himalayas (in West Bengal and Bihar) rise abruptly from the plains, in the west (western Uttar Pradesh and the Punjab) the rise from the plains is a little more gradual. Hence the Himalayas themselves can be further sub-divided into three parallel zones, the Great Himalayas with an average elevation of 20,000 ft., always covered with snow; the Lesser Himalayas,

the middle range, with an average elevation of 15,000 feet; and finally the Outer Himalayas lying between the Lesser Himalayas and the plains with an average elevation of about 3,500 feet. The last are a sort of foot-hills to the Great Himalayas, and are usually described as forming the sub-Himalayan region, a region which extends from eastern Bihar to the Punjab all along the Plain of Hindustan.

In the north the altitude of the range is much lower: there are few peaks which exceed a height of 20,000 feet. The Punjab Himalayas are comparatively dry, and the snow-line is much higher than elsewhere. The northern slopes are bare while the southern slopes are forested.

Two of the longitudinal valleys which separate the mountain ranges are worth a note. They are the Vale of Kashmir and the valley of Khatmandu in Nepal. Both the valleys are fertile, extensive and from a tourist's point of view a dream of beauty.

Thus it is clear the whole region possesses great variety in climate and a range of vegetation stretching from the tropics to the poles.

The north mountain wall has a tremendous influence on the physiography of the country. On the one hand it keeps out the bitterly cold winds which blow from Central Asia and Tibet during the winter, and on the other it intercepts the moisture laden winds which blow from the sea in the south so that the northern plains of the country have rain during the monsoon. Second, the melting snow and rain falling on the mountains go to form the chief source for the water of the rivers which flow from the Himalayas. Hence the rivers of Hindustan never go completely dry in the summer.

PLAIN OF HINDUSTAN

Geologically, the Ganges plain can be considered as the fore-deep of the mountains to the north of it. This fore-deep extends thousands of feet below the sea-level, though since its formation it has been filled in by deposit. In the east this deposit consists of alluvial material from the mountains, in the west it consists of material blown by the wind. All through the deposit is fine grained made up chiefly of muds and sands.

The Plain of Hindustan extends from the Bay of Bengal in the east to the Pakistan frontier in the west; that is to say, it is about 1,500 miles long and from 150 to 200 miles broad. Throughout this vast tract of land not a hill can be seen. The slope from the mountains to the sea is so gradual that about 100 miles from the mouth of the River Ganges the surface is no more than 500 feet above sea-level.

The Plain of Hindustan is probably the most important part of the country. For one thing, it contains some of the richest soil in the world. Second, it is on the Plain of Hindustan that the whole drama of race conflict and race assimilation was played out, a drama which finally shaped the political and cultural destiny of both India and its neighbour Pakistan.

Going into more detail the Plain of Hindustan is formed by the basins of three distinct river systems. In the far west are the Beas and Sutlej, tributaries of the Indus draining into the Arabian Sea. Further east is the River Ganges with its tributaries the Jamuna, Gogra, Rapti and Gandak which flows south-eastwards into the Bay of Bengal. The capital of the Indian Republic Delhi stands on the water-shed between the Indus and the Ganges river basins. The third of the three river systems, the Brahmaputra rises beyond the Himalayas, turns east and enters India at its eastern extremity and joins the Ganges before reaching the Bay of Bengal. The Brahmaputra has no important tributaries.

On the Himalayas these rivers are rushing, roaring torrents, cutting their way through steep and rocky gorges. But when they reach

* Provisional.

† Excluding Kashmir, the population of which is estimated at 4·41 millions.

the vast plains they broaden out and wander slowly till they get to the sea. The land is so flat that the rivers sometimes leave their old beds and cut out new channels flooding the surrounding area.

The rivers of Hindustan are notable in three respects: 1. They give a constant supply of water, 2. The land through which they flow is broad, flat and fertile and eminently suitable for irrigation, 3. Because water flows perennially they are navigable through the greater part of the year.

As we go from west to east in the plain rainfall increases and so do the fertility of the soil and the density of population.

The whole plain can be sub-divided according to climate into a number of natural regions. There are first the plains of the north-west, comprising Punjab State, a dry area depending on the irrigation canals of the rivers Beas and Sutlej for its water. Second, there is the valley of the Upper Ganges covering the major part of Uttar Pradesh a comparatively dry region which depends for its cultivation on the irrigation canals of the Ganges and the Jamuna. Third, we have the valley of the middle Ganges embracing the State of Bihar, which is an intermediate zone, with both wet and dry cultivation. As we go further east we have the lower valley of the Ganges, which includes the whole of West Bengal, a wet region with considerable rainfall growing rice and jute.

INDIAN PLATEAU

The third of the natural regions into which the country is divided is called the Indian Plateau because it comprises a three-sided table-land covering the whole of the country in the south except for two narrow coastal strips in the east and the west. The Indian Plateau is marked off from the Plain of Hindustan by a confused mass of hill ranges running with a general direction of east to west. Three of these ranges have been distinguished by the names of Vindhya, Satpura and Ajanta respectively. They stand from 1,500 feet to over 4,000 feet high and though pierced by road and railway at the present time were not easy to cross in the old days and thus formed a barrier of hill and jungle between the northern and the southern portions of the country.

The Indian Plateau is higher in the west and the south than in the east and north. Along the western and eastern edge of the plateau run the Western and Eastern Ghats. They start southward, from the extremities of the Vindhya mountain system and run along the western and eastern coasts of the country and unite to form a sort of upheaved angle towards their southern extremity. The Western Ghats run through the State of Bombay and ascend to an average height of about 3,000 feet while some of the peaks are anything between 5,000 feet and 9,000 feet high. The Eastern Ghats stretch down the State of Madras and have an average elevation of 1,500 feet. The inner triangular plateau which the Western and Eastern Ghats form far in the south is seamed with little ranges of hills exceeding 4,000 feet in height the best known among which are the Nilgiris. It is on the Nilgiris that Ootacamund the famous summer capital of Madras State stands.

Drainage Systems.—There are three systems of drainage in the Indian Plateau—one towards the north, the second towards the west and the third towards the east. The drainage from the northern or Vindhya edge of the plateau falls into the Ganges. Two rivers Narmada and Tapi carry the rainfall of the southern slopes of the Vindhya and Satpura mountains respectively in almost parallel lines into the Arabian Sea. Further south, as we have already stated, the plateau is much higher in the west than the east. So the drainage has to make its way across the whole breadth of the plateau eastwards until it falls into the Bay of Bengal. The most important rivers are the Mahanadi, the Godavari, the Krishna and the Cauvery. These rivers differ from the rivers of the Plain of Hindustan in three ways; 1. They are fed only by the monsoon rains and therefore do not yield a constant supply of water, 2. Their

valleys are less suitable for irrigation, 3. And finally, they are not navigable for certain seasons in the year when parts of the river dry up.

From a geological point of view the Indian Plateau consists mainly of very old crystalline rocks—much older than the Himalayan fold mountains. On some of the edges of the plateau in the north-east for instance, are areas of sedimentary rocks from which the country obtains most of its coal. About nine-tenths of the coal resources of India lie in Jharia in Bihar and Ranigunj in West Bengal, though coal-bearing beds are also found in the valley of the Godavari and the northern slopes of the Vindhya. The north-west of the plateau is covered by vast stretches of lava called the Deccan lavas. This region is one of the largest areas of lava in the world, covering as it does an area of 250,000 square miles with a total thickness of several thousand feet. In spite of the great extent of the lavas there are few or no signs of volcano. In the rest of the Plateau valuable minerals occur here and there among old crystalline rocks. Gold is obtained in Kolar, manganese in Vishakhapatnam, Mysore and Madhya Pradesh, copper and iron in Bihar and Orissa, mica in Andhra and the south-east. The point about diamonds is of some interest. They occur in sand-stones or conglomerate in Panna in Vindhya Pradesh or Kurnool in Andhra, though no diamond bearing igneous rocks are found.

Natural Regions.—From the point of view of climate and vegetation the Indian Plateau can be divided into ten natural regions. There are first of all the coastal regions round the plateau. In the north covering part of the State of Bombay is the Gujarat region, moderately dry and hilly in places. Further south is the west coast region covering part of Bombay and part of Madras, narrow and wet. In the east is the Carnatic or Tamil region comprising part of Madras, moderately wet but wider than in the west. In the north is what is called the Northern Circars region covering part of Andhra and part of Orissa, also moderately wet. Then there are the dry regions lying to the north of the Vindhya mountains sloping downwards to the plains of the Ganges. There are the Thar or Great Indian Desert, the Rajasthan uplands dry and hilly, and the Central Indian Plateau comprising part of Madhya Pradesh. Finally there is a third group of regions which can be distinguished, all lying in the Indian Peninsula proper. These are first the southern part of the plateau covering the whole of Mysore and parts of Madras and Bombay, dry, somewhat barren and thinly populated; second, the Deccan lavas region in the north-west, containing parts of Bombay, Hyderabad and Madhya Pradesh dry but with fertile black soil suitable for cotton and moderately thickly populated; and lastly, the north-eastern Plateau covering parts of Bihar, Madhya Pradesh and Orissa. This last mentioned region has moderate rainfall, is thinly populated, but thickly forested. The inhabitants are mainly concentrated in two river valleys.

Ceylon is the only important island lying off the coast of India to which it is joined by a line of sand flats collectively called Adam's Bridge. But Ceylon is politically separate from the sub-continent. Two groups of very small islands in the Bay of Bengal, the Andamans and the Nicobars, and one group in the Arabian Sea the Laccadives are part of the Republic of India. So is the quasi-island of Kutch off the Kathiawar Peninsula in western India. Kutch is a dry, rocky, treeless country.

VEGETATION

India is thickly populated and so over a greater part of the country the natural vegetation has been removed. The country has no distinctive botanical features peculiar to itself. Where the rain-fall is more than 80 inches a year there are ever green forests on the hills. The wood from these forests is hard but the forests have not yet been commercially exploited. These ever-green forests are chiefly found on the slopes

of the Western Ghats, the wetter eastern parts of the Himalayas up to a level of 6,000 feet, and in Assam.

Where the rain-fall is less than 80 inches but more than 40 we have what are called the monsoon forests, so-called because the trees in these forests lose their leaves in the dry season. The monsoon forests are very valuable, because they contain two of the most useful kinds of tree, the teak and the sal. The teak is found chiefly in the western parts of the country while the sal is obtained in the lower slopes of the Himalayas and the north-east of the Plateau. Where the rainfall is less than 40 inches, in the drier parts of the country we find small thorny trees, sometimes so small that they are more like bushes than like trees. In the driest parts where the land is desert or semi-desert even bushes cannot grow. There we find plants with thick fleshy stems and long roots. As we go up the mountains too the vegetation changes. In the higher reaches of the mountains, above 5,000 feet in the south, and 3,000 feet in the north the forests are similar to those found in temperate lands. Some of the trees have broad leaves and are like the oak while others are tall and have needle-shaped leaves like the pine.

On the highest parts of the mountains it is too cold and too dry for trees to grow and so we find only small bushes and short grass.

Along the sea-coasts and in the great river deltas where the land is flat and muddy grows a kind of tree called mangrove. These trees are most frequent in the deltas of the River Ganges where they are called Sundarbans.

There is not much grass land in India though in the hills in the monsoon grass patches can be seen.

The main cultivated plants include rice, wheat, pulses and grains. Among the important seeds grown are castor, sesamum and ground-nut. The chief fruit trees include mango, coconut, arcanut and certain citrus fruit. Apples, peaches, pears, apricots and walnuts are confined chiefly to the Himalayan valleys. There are tea plantations over large areas on the mountains in the north-east and south, while coffee, cardamom, pepper and rubber are extensively grown in the south. In some of the damper regions the cinchona is successfully cultivated.

ANIMALS

Just as natural vegetation has disappeared over the greater part of the land so have a great many wild animals. The lion, for instance, was not uncommon within historical times in the north. Today it is confined wholly, to the Gir forest in Junagadh in Saurashtra.

The most famous among the wild animals which survive are the tiger and the elephant. The leopard or panther is more common than the tiger and equally destructive of life and property. The cheetah or the hunting leopard is found only in the Deccan and is generally trained for hunting the antelope. Other wild Indian animals of the cat family are the marbled cat and the jungle cat.

In the open country-side wolves are plentiful and usually prey on sheep. The Indian fox is comparatively scarce but the jackal is very common. The wild dog is found in the denser jungles and generally hunts in packs. Among other dogs are the pariah common in the south, and the greyhound used for hunting.

The black bear is common wherever rocky hills and forests occur. It lives on ants, honey and fruit and may often prove dangerous. The Himalayan bear which is found only in the north, stays in the mountains during the summer but comes lower down during the winter.

The rhinoceros found in the country are of three different types, two have a single horn and one has double. The rhinoceros is commonest in the Brahmaputra valley and in the Sundarbans. With the rhinoceros might be mentioned the crocodile which can be very dangerous specially in the rivers of the north. The wild hog is also well-known in certain parts of the country and is very destructive of crops.

In the remote parts of the deserts of Kutch is found the wild ass but its contacts with man are few. Many wild varieties of sheep and goat are met with in the mountain ranges of the north.

The antelope proper is more widely distributed. On the coasts of Gujarat and Orissa, for instance, a herd of does accompanied by a single buck is a common sight. The gazelle can also be found almost everywhere. The sambar is confined to hill forests, while the spotted deer is considered to be the most beautiful animal of the Indian jungle.

In the Western Ghats, and in the hill jungles of Assam and Madhya Pradesh is found the bison. It is a fierce animal and almost as dangerous to hunt as the tiger. Akin to the bison is the wild buffalo very common in Assam.

The rat and the mouse are a perpetual nuisance. The bandicoots some of which can be as long as 2 feet burrow under stores and godowns and are often deadly to plants, fruit or grain.

The reptiles abound in garden and jungle and even intrude into dwelling places specially during the rains. Thousands of people die every year in the country-side of snake-bite. The most dreaded of the reptiles is the cobra. There is another variety called Russell's viper whose bite is equally fatal. Generally speaking the salt-water snakes are dangerous while the fresh-water ones are harmless. The bigger variety scorpion which abounds in parts of Madras is a domestic terror.

Of all the wild animals in the country the elephant is the most interesting as well as the most useful. It generally lives in the wilder parts of the monsoon forests and being an intelligent animal can be trained to do heavy work such as dragging great logs of wood, or arranging them in neat piles. The elephant is also excellent as a transport animal as it can push its way through the thickest jungle where roads cannot be built.

Domestic Animals.—So much for the wild animals. Among the domestic animals the most useful are the oxen. It is estimated that there are about 145 million cattle in India. Milk is not a staple article of food and the oxen are chiefly used for ploughing or drawing carts. The bullocks are more valuable than the cows though in certain parts like Uttar Pradesh dairy-farming is an important industry. One handicap is that in most areas fodder has to be specially grown for the cattle.

There are 50 million buffaloes in the country. The buffalo is stronger than the bullock and is chiefly used for ploughing. The she-buffalo is the typical dairy animal.

There are 34 million sheep in the country. But they are a very poor specimen and do not give good wool or meat. Sheep are most numerous in Madras and live chiefly on waste land which is not good enough for cattle. Goats (50 million) are found everywhere because it does not take much to keep them alive. They can feed on the poorest grass or shrub and so find enough to eat even in the driest parts of the country.

There are 3-236 million horses, ponies and donkeys, most of which are used as draught animals. Mules, donkeys and camels are also used for purposes of transport: mules and donkeys on the hilly parts, and camels in the sandy desert. The total number of live-stock in the country is 284.429 millions.

The birds of India though not as gorgeous as those of some other tropical lands deserve mention. The parrot is easily the most beautiful of the Indian birds. The peacock is another beautiful bird, while the maina like the parrot lives happily in a cage and talks well. Of the vulture there are four varieties which include the common scavenger. There are many types of eagle too and some of the falcons can be trained for hawking. A bird much sought after for its plumage is the kingfisher and among the birds which are hunted for their flesh are pigeons, ducks, partridges, plover, quail and snipe. The jungle fowl, however, is not considered good for eating.

There are many beautiful butterflies in India, while among the more useful insects are the bee, the silk-worm, the *coccus lacca*, that is, the insect which gives lac. Certain varieties of Indian moth and ant are very destructive. Locust invasions are not frequent but when they appear they leave complete destruction behind them. Mosquitoes abound everywhere.

In India fish is eaten fresh as methods of fish preservation are either primitive or not practised. Among the edible Indian fishes are the carp family and the cat fishes. But the most delicious is the hilsa which is also a rich food. A fish which is found in all hill streams is the mahseer.

BASIC FACTS ABOUT INDIA*

Some basic facts may be shown more prominently as follows. For more details see under individual sections:

Land area: 1,269,640 sq. miles; population (without Jammu and Kashmir and Part B Tribal Areas of Assam): 356,879,394; birth-rate, death-rate, infant mortality rate for 1950: 21.8, 16, 127.1; Literacy (1951): 16.6.

National income (1948-49): Rs. 8,710 crores; average per capita income for agriculture: Rs. 500; average per capita income for mining, manufacturing, hand trades: Rs. 800; for commerce, transport and communications: Rs. 1,600; for other services: Rs. 1,100.

Area of India (1949-50): 811 million acres; total cropped area: 302 million acres; total irrigated area: 49 million acres.

Production of rice (in million tons for 1951-52): 20.77; of jawar: 5.51; of bajra: 2.15; of maize: 1.96; of ragi: 1.17; of small millets: 1.81; of wheat: 5.77; of barley: 2.14; of gram: 3.16; of sugar cane (in terms of raw sugar): 5.90; of potato: 1.60.

Production of tobacco (in lakh tons for 1951-52): 2.25; of sesamum: 4.41; of ground nut: 30.37; of rape and mustard: 9.00; of linseed: 3.09; of castor seed: 1.04; of jute: 46.78; of cotton: 31.34.

No. of oxen and buffaloes (in millions for 1950-51): 196; of sheep and goats: 88.59; of horses, ponies, mules, donkeys, camels, pigs: 7.89; of poultry: 70.

Amount of milk produced (1950-51): 21.42 million tons; amount of fish produced (1948): 130.20 million maunds.

Amount of cotton yarn produced (1952): 1,448.40 million pounds; of cloth (1952): 4,603.2 million yards; of steel (1952): 1.103 million tons; of coal (1952): 36 millions tons; of cement: 3.54 million tons.

Government of India's estimated revenue for 1953-54: Rs. 439.26 crores; expenditure: Rs. 438.81 crores; defence expenditure: Rs. 199.81 crores (45.5 per cent).

No. of universities (1953): 30; no. of colleges for general education (1950-51): 504; of colleges for special education: 99; of professional colleges: 213; of secondary schools: 20,981; of primary schools: 210,112; of pre-primary schools: 305; of vocational and technical schools: 2,162; of special education schools: 47,542; of research institutions: 20; of unrecognized institutions: 8,485.

No. of students at arts and science colleges: 3,04,324; at professional colleges: 54,716; at secondary schools: 5,225,454; at primary schools: 18,352,383; at pre-primary schools: 25,144; at vocational and technical schools: 164,904; at unrecognized schools: 406,338.

Total no. of students at all institutions (1950-51): 25,826,365.

Total no. of workers (1950-51): about 65,00,000; of workers employed in factories under the Factories Act of 1948: 24,68,280; no. of trade unions on register (1950-51): 4,277; membership of unions submitting returns (1950-51): 20,22,434.

Labour force was roughly divided as follows: factories: 29,50,000; railways: 14,00,000; plantations: 12,00,000; Mines: 5,00,000; Central Public Works: 2,00,000; Posts and Telegraphs: 2,00,000; major ports: 50,000.

Total mileage of all railways (Oct. 1952): 34,331. Kutchra roads (1950-51): 1,60,000 miles; surfaced roads: 90,200; total no. of motor vehicles: 310,145; of bullock carts: 9,630,975; navigable water-ways (1951-52): 5,200 miles; no. of major ports: 5; no. of aerodromes (1951-52): 75; no. of air routes: 50; air route mileage: 25,000; no. of post offices (1950): 29,671; no. of telegraph offices: 7,772; no. of telephone exchanges (1951): 582; no. of telephones: 1,40,793.

Total electric power production (Jan. 1952): 5,842 million kwh.

No. of broadcasting stations (Oct. 1952): 21; no. of radio sets: 6,77,403; total no. of community sets: 6,000; in industrial areas: 250.

No. of dailies (April 1952): 596; weeklies: 2,226; other periodicals: 3,940; total circulation of dailies: 20,00,000.

Total foreign trade (1952-53): Rs. 1,233.73 lakhs; imports: Rs. 653.11 lakhs; exports: Rs. 575.62 lakhs.

Total no. of displaced persons: 74.80 lakhs; total expenditure on rehabilitation since 1947: Rs. 145.28 crores.

NATIONAL FLAG AND ANTHEM

The National Flag is a horizontal tri-colour of deep saffron, white, and dark green all of equal breadth and in that order from top to bottom. There is a wheel on both sides in the centre of navy blue colour with twenty-four spokes. The wheel is the same size as the centre strip. It is an exact reproduction of the wheel on the capital of the Asoka pillar at Sarnath near Banares. The saffron is said to stand for courage, white for truth and peace, green for faith and chivalry (All-India Congress Committee, 1931); the wheel is the symbol of India's ancient culture (Mr. Jawaharlal Nehru). The flag was adopted by a resolution of the Constituent Assembly on July 22, 1947.

The National Anthem is *Janaganamana*; *Vande Mataram* also enjoys an equal status. It was adopted by the Constituent Assembly on Jan. 24, 1950. *Janaganamana* was composed by Rabindranath Tagore and published in his paper, *Tattvabodhini Patrika* of which Tagore himself was the editor in January, 1912. The poet rendered it into English in 1919 under the title *The Morning Song of India*. It was first sung at a Congress session on December 27, 1911.

* It is possible more up-to-date figures are given under Miscellaneous at the end of the book.

Vande Mataram occurs in the novel *Ananda Math* by Bankim Chandra Chatterjee published in 1882. It was set to music by Rabindranath Tagore and was first sung at the Congress session of 1896.

Janaganamana was preferred because *Vande Mataram* did not lend itself to harmonization.

There are rules and regulations about the use of the national flag.

No other flag or emblem should be placed above the national flag or to its right. It should not be dipped to any person or any thing. It should not be carried flat or horizontally but always aloft and free. In a procession it should be carried in front of the procession.

Normally it should be flown on important government buildings.

The use of the flag is unrestricted on certain special occasions specified as such, e.g. Independence Day, Mahatma Gandhi's birthday, Republic Day and during the national week.

WARRANT OF PRECEDENCE

(December 1952).

1. President of India.
2. Prime Minister of India.
3. Governors, Maharajpramukh of Rajasthan and Rajpramukhs within their respective charges.
- 3A. Vice-President of India.
4. Ex-President and ex-Governors-General of India.
- 4A. Lieut.-Governors within their respective charges.
5. Rulers of Indian States with a salute of 17 guns and above within their States.
6. Ambassadors accredited to India. High Commissioners of Commonwealth, Government in India.
7. Chief Justice of India. Speaker of Parliament.
8. Governors, Maharajpramukh of Rajasthan and Rajpramukhs outside their respective charges.
9. Cabinet Ministers of the Union of India.
- 9A. Lieut.-Governors outside their respective charges.
10. Rulers of Indian States with a salute of 17 guns or over outside their States.
11. Chief Ministers of Part A and Part B States in their respective States.
12. Rulers of Indian States with a salute of 15 guns or 13 guns.
13. Ministers Plenipotentiary and Envoys Extraordinary.
14. Ministers of State for the Union of India. Members of the Planning Commission.
- 14A. Chief Commissioners of Part C States having Councils of Ministers within their respective charges.
- 14B. Chief Ministers of Part C States within their respective States.
- 14C. Judges of the Supreme Court of India.
15. Ambassadors of India and visiting Ambassadors of India. Foreign Ambassadors visiting India. Visiting High Commissioners for India and High Commissioners of other Commonwealth countries visiting India.
16. Charge d'Affaires and acting High Commissioners *a pied and ad interim*.

17. Chiefs of Staff and Commanders-in-Chief, provided they hold the rank of a full General or an equivalent rank.
18. Chief Ministers of Part A States outside their States. Chief Ministers of Part B States outside their charges. Deputy Ministers of the Union of India. Attorney General of India. Comptroller and Auditor General of India. Chief Justices of high courts. Chairmen of legislative councils in Parts A and B States. Speakers of legislative assemblies in Parts A and B States.
20. Chiefs of Staff and Commander-in-Chief, provided they hold the rank of a Lieut.-General or an equivalent rank.
21. Rulers of Indian States with a salute of 11 or 9 guns.
22. Ministers of Parts A and B States.
23. Chairman of the Union Public Service Commission. Chief Election Commissioner. Piusne judges of high courts.
25. Deputy Ministers in Part A States.
26. Members of Parliament.
27. Officers of the rank of a full General or an equivalent rank. Solicitor-General of India. Secretary to the President. Secretaries to the Government of India and Principal Private Secretary to the Prime Minister. Commissioner for Scheduled Castes and Scheduled Tribes. Rehabilitation Adviser. Officiating Chief of Staff and Commanders-in-Chief holding the rank of a Major-General or an equivalent rank. Chief Commissioners of Part C States having Councils of Ministers outside their respective charges. Visiting Ministers Plenipotentiary of India and foreign Ministers Plenipotentiary visiting India. Chairman of the Railway Board. Financial Commissioner for the Railways.
- 27A. Chief Ministers of Part C States outside their respective States.
- 27B. Speakers of Part C States within and outside their States.
- 27C. Ministers of Part C States within and outside their States.
28. Members of the Railway Board. Ministers of foreign and Commonwealth missions other than Ministers Plenipotentiary. Officers of the rank of a Lieut.-General or an equivalent rank. Chief Commissioners of Andaman and Nicobar Islands, Kutch, Tripura and Manipur within their respective charges. Additional Secretaries to the Government of India. President of the Indian Tariff Board. Chairman of the Central Electricity Commission. Chairman of the Central Water-power, Irrigation and Navigation Commission. Vice-Chairman of the Indian Council of Agricultural Research. Financial Adviser to the Ministry of Finance (Defence). Chairman of the Central Board of Revenue. P.S.Os. of Armed Forces of the rank of a Major-General or an equivalent rank.*
30. Chairman of the Public Service Commission of a State. Chief Secretaries to the Governments of Part A States.

Financial Commissioners.

- Members of the Union Public Service Commission.
- Rear Admiral Commanding of the Indian Naval Squadron.
- Members of a Board of Revenue.
- Director-General of Health Services.
- Director-General of Posts and Telegraphs.
- Director of the Intelligence Bureau.
- General Managers of Railways.
- Establishment Officer to the Government of India.
- Joint Secretaries to the Government of India (including the Joint Secretary to the Cabinet).
- Officers of the rank of a Major-General or an equivalent rank.
- Surveyor General of India.
- Members of the Indian Tariff Board.
- Director-General of Civil Aviation in India.
- Surgeons-General.
- Director-General of Supplies and Disposals.
- Director-General of Ordnance Factories.
- Indian Navy Commodores-in-charge of Naval Ports or Areas.
- Commander(s) of an I.A.F. Command(s) of the rank of an Air Commodore.
- P.S.Os. of the Naval and Air Headquarters of Commodore and Air Commodore ranks.*
- Chief Commissioners of Andaman and Nicobar Islands, Kutch, Tripura and Manipur outside their respective charges.
- Director-General of All India Radio.
- Military Secretary to the President (so long as he also holds the post of Director-General of the Government Hospitality Organization).
- Counsellors of Foreign and Commonwealth Missions in India.
- Inspectors-General of Police in Part A States.
- Commissioners of Divisions.

Note 1. The order in the Warrant of Precedence is meant for State and ceremonial occasions and may not be strictly followed on more informal occasions.

Note 2. This Warrant will not affect the precedence enjoyed by rulers, etc., within Indian States and Part B States by virtue of local usage and custom; nor will it affect the local precedence *inter se* of rulers as in force immediately before August 15, 1947.

Note 3. Officers in the table of precedence will take rank in order of the number of entries, those included in one number shall take precedence *inter se* according to the date of entry into that number.

Note 4. When Members of Parliament are invited *en bloc* to major State functions, the enclosure reserved for them should be next to the Ambassadors, the Chief Justice of India, Speaker of Parliament and Governors, etc.

Note 5. The Director of Intelligence Bureau will take precedence over Inspectors-General of Police irrespective of the date of his entry into Article 31.

Note 6. Major-Generals irrespective of their date of entry into Article 33, will rank above Indian Navy Commodores-in-Charge and Indian Air Force Commodores.

Note 7. Chief Secretaries to Governments of Part A States will take precedence over Members of a Board of Revenue irrespective of the date of their entry into Article 30.

Note 8. For the purposes of the Warrant of Precedence, New Delhi and the Red Fort should be deemed to be outside the State of Delhi.

HOLIDAYS FOR 1954

The following is the list of Government of India holidays during 1954 which will be observed by Central Government offices in Delhi.

January 1—Bank holiday, January 26—Republic Day, March 3—Sheoratri, March 19 and

20—Holi, April 11—Ram Naumi, April 16—Baisakhi, April 18—Good Friday, May 17—Buddha Purnima, June 3—Id-ul-Fitr, August 10—Id-ul-Zuha, August 15—Independence Day, August 21—Janam Ashtami, September 9—

Muharram, October 2—Mahatma Gandhi's Birthday, October 5, 6 and 7—Dasara, October 26 and 27—Milad, November 9—Id-e-Milad, November 10—Guru Nanak's Birthday and December 25—Christmas Day.

* Should a P.S.O. hold the rank of a Lieut.-General, his seniority in the Warrant of Precedence will continue to remain the same as laid down for "the officers of the rank of Lieut.-General or an equivalent rank" in Article 29 of the Warrant of Precedence.

POPULATION*

THE more important figures are as follows: Total population (excluding Jammu and the Part B tribal areas of Assam): 356,879,394; Males: 183,333,874; Females: 173,545,520.

Population of Jammu and Kashmir: 4.41 millions (estimate for March 1, 1951); Population of Part B Tribal Areas of Assam: 0.56 millions (unverified local estimate).

Indians overseas: 4,229,096.

Increase over 1941: 42,113,014 or a mean decennial growth rate of 12.5 or percentage increase of 13.4 per cent.

Highest population: Uttar Pradesh (63,215,742); Lowest population (30,971); Average density: 312 per square mile. Highest density: Delhi (over 3,000); Lowest density: Andaman and Nicobar (10).

Only two States registered a decline in the mean decennial rate. Punjab, (0.5), Andaman and Nicobar Islands (8.6).

The lowest rate of increase was for PEPSU (2.6).

The highest rates of increase were: Delhi (62.1), Coorg (30.5).

In the following States the rate of increase was below 10: Bihar, Orissa, Madhya Pradesh, Bhopal, Vindhya Pradesh, Himachal Pradesh and PEPSU.

Registered birth-rate (1941-50): 27.2; Probable birth-rate (1941-50): 40; Registered death-rate (1941-50): 19.4; Probable death-rate (1941-50): 27; Natural increase rate (1941-50): 13; Infant mortality rate (1941-50): 127.1; Life expectancy 32 years and 5 months; Life expectancy at the age 10 years: 39.

Literacy for India for 1951: 16.6; Punjab, 16.5; Bihar, 12.2; Hyderabad, 9; Orissa, 15.8; M.P., 13.5; M.B., 10.8; PEPSU, 12; Rajasthan 8.1, U.P., 10.8.

Number of females to every 1,000 males: 947.

The number of females exceeds the number of males in the following States. Kutch (1,070), Madras (1,000), Manipur (1,030), Orissa (1,022), Travancore-Cochin (1,008).

In the following States the number of females is less than 900 for every 1,000 males: Assam, Coorg, PEPSU, Punjab, West Bengal.

In the following States they are the smallest: Andaman and Nicobars (625), Delhi (768).

Largest State: Madhya Pradesh (130,272 square miles); Smallest State: Bilaspur (to be merged with Himachal Pradesh) (453 square miles); Smallest but one: Delhi (578 square miles).

Total urban population: 62 millions (17.3 per cent.); Total rural: 295 millions (82.7 per cent.); Increase in urban population over 1941: 3.6

per cent. Highest urbanization: Delhi (83 per cent).

Number of cities with a population of one lakh and over: 75.

Percentage of population dependent on agriculture: 70.

States in which non-agricultural population exceeds agricultural: Ajmer, Andaman and Nicobars, Delhi, Kutch, Saurashtra.

If the population is divided into classes according to livelihood the percentage of each class would be as follows:—

Peasant proprietors, 47; Tenants, 9; Landless labourers, 13; Landlord or rentier, one; Industry or other non-agricultural production, 10; Commerce, 6; Transport, 2; Services and miscellaneous professions, 12.

CENSUS OPERATIONS

The last census was taken at the beginning of 1951 (Feb. 9 to Mar. 1, 1951).

For the first time the census embraced the whole of India including the former Indian States, but excluding Jammu and Kashmir and the tribal areas of Assam. Jammu and Kashmir was omitted because of special conditions and the tribal areas of Assam because they had never been enumerated before.

One vital difference between the 1951 census and all previous census is that caste and community distinctions do not figure as before except to the extent necessary for the purpose of Article 338 of the Constitution which provides safeguards to Scheduled Castes, Scheduled Tribes and Anglo-Indians, and of Article 340 which provides for the appointment of a Backward Classes Commission. The emphasis is laid on the economic aspects of the situation, such as the principal and subsidiary means of livelihood of the person, whether employer, employee or independent worker and so on.

The census questionnaire covered such items as (1) Total population; (2) Sex; (3) Age; (4) Marital Status; (5) Place of Birth; (6) Citizenship or Nationality; (7) Mother tongue; (8) Educational characteristics; (9) Fertility data; (10) Economic characteristics; (11) Urban and Rural population; and (12) Households (including relationship to Household Head).

In addition to the International list of 12 topics, the questionnaire asked three questions, of which the most important related to displaced persons.

Two main and two subsidiary questions in the census questionnaire related to "economic status" and "means of livelihood". These questions were: Are you a self-supporting person or a non-earning dependent or an earning dependent? If you are a self-supporting person, are you an employer or an employee or an independent worker or none of these? What is

the occupation or source of income which forms your principal means of livelihood? Have you a secondary means of livelihood? If so, what is it?

The manner of recording agricultural livelihood, was different from that of non-agricultural livelihood. Instructions were given to classify agriculturists under four heads, viz., (1) persons who cultivated land owned by themselves, (2) persons who cultivated land owned by another, (3) persons who were employed as labourers by another person who cultivated land and (4) persons who received rent in cash or kind in respect of land cultivated by another person.

These are general questions which were asked all over the country. There were also questions confined to particular States. For instance questions about unemployment were asked in the following twelve States:—U.P., Bombay, Punjab, Saurashtra, PEPSU, Mysore, Hyderabad, Delhi, Bilaspur, Himachal Pradesh, Kutch, and Vindhya Pradesh. Questions about previous occupation were asked in the 2 States of Madhya Bharat and Bhopal; about area of land owned and cultivated by each household in Orissa; about cultivation of land for which rent is paid in West Bengal; about land owned and rented by indigenous persons in the 3 States of Assam, Tripura and Manipur; about infirmities (incidence of diseases) in the 4 States of Madras, Coorg, Rajasthan and Ajmer; about fertility in the 2 States of Bihar and Madhya Pradesh. And about the duration of marriage and size of family in the State of Travancore-Cochin.

All useful data collected during the census operations will be recorded in a national register. Relevant parts of this register will be kept in every tahsil or sub-division or ward as a permanent and confidential record of the inhabitants. It is also proposed to bring out a census handbook for every district which the State Governments have been requested to publish. The State Governments have also been requested to include abstracts from these in school textbooks so that students could learn more about their region than they do at present.

GROWTH OF POPULATION

Year.	Population (in millions).	Increase (in millions).	Percentage Increase.
1951 ..	356.88	42.11	+ 13.4
1941 ..	314.77	39.25	+ 14.3
1931 ..	275.52	27.34	+ 11.0
1921 ..	248.18	-0.87	- 0.3
1911 ..	219.05	13.55	+ 5.8
1901 ..	235.50	..	..

During the twenty years (1931-51), the number added to the population was three times as many as during the ten years (1921-31) and twice as many as during the thirty years (1901-31).

POPULATION BY NATURAL REGIONS

Natural Region	Total Population	Males	Females	1941	Females per 1,000 males (1951)	Mean Decennial Growth Rate (1941-51)
INDIA	356,879,394	183,333,874	173,545,520	314,706,380	947	+12.5
1. Himalayan Region	17,042,697	8,982,675	8,060,022	14,827,606	897	+13.9
2. Northern Plains Region ..	139,398,043	73,022,392	66,375,651	125,072,878	909	+10.8
3. Peninsular Hills and Plateau Region	108,598,645	55,111,536	53,487,109	96,220,094	971	+12.1
4. Western Ghats and Coastal Region	39,926,793	20,371,388	19,555,405	32,518,913	960	+20.5
5. Eastern Ghats and Coastal Region	51,832,336	26,798,608	25,033,728	46,093,121	1,009	+11.7
Andaman and Nicobar Islands ..	30,971	10,056	11,916	33,708	625	- 8.0

* At the time of preparing the article the census reports were coming out in piece-meal fashion. It is possible, therefore, that additional information or later figures than those given here may be found in the section entitled Miscellaneous at the end of the volume.

Throughout Madras includes Andhra. When the census were taken Madras State was not divided.

POPULATION BY ZONES AND STATES

Zone and State.	Land area in square miles.	Total Population.	Males.	Females.	1941.	Females per 1,000 males (1961).	Mean Decennial Growth Rate (1941-51).*	Density per square mile.
INDIA	1,209,640	356,879,394	183,333,874	173,545,520	314,766,380	947	+ 12.5	303
I—North India	113,409	63,215,742	33,098,866	30,116,876	56,531,848	910	+ 11.2	....
1. Uttar Pradesh	113,409	63,215,742	33,098,866	30,116,876	56,531,848	910	+ 11.2	558
II—East India†	201,057	90,080,297	46,315,658	43,764,639	80,873,038	945	+ 10.8	....
1. Bihar	70,330	40,225,947	20,223,675	20,002,272	36,528,119	989	+ 9.6	572
2. Orissa	60,136	14,645,946	7,242,892	7,403,054	13,767,088	1,022	+ 6.2	243
3. West Bengal	30,775	24,810,308	13,345,441	11,464,867	21,837,295	859	+ 12.7	806
4. Assam††	85,012	9,043,707	4,812,166	4,231,541	7,599,037	879	+ 17.4	106
5. Manipur	8,628	577,635	283,685	293,950	512,069	1,036	+ 12.0	67
6. Tripura	4,032	639,029	335,589	303,440	513,010	904	+ 21.9	158
7. Sikkim	2,744	137,725	72,210	65,515	121,520	907	+ 12.5	50
III—South India	168,009	75,600,804	37,822,542	37,778,262	64,837,350	999	+ 15.3	....
1. Madras	127,790	57,016,002	28,419,003	28,596,999	49,830,749	1,006	+ 13.4	446
2. Mysore	29,480	9,074,972	4,657,409	4,417,563	7,337,818	949	+ 21.2	308
3. Travancore-Cochin	9,144	9,280,425	4,620,803	4,659,622	7,500,057	1,008	+ 21.2	1,015
4. Coorg	1,386	229,405	125,327	104,078	168,726	830	+ 30.5	145
IV—West India	149,609	40,661,115	20,982,281	19,678,834	33,249,726	938	+ 20.1	....
1. Bombay	111,434	35,956,150	18,614,862	17,341,288	29,181,146	932	+ 20.8	323
2. Saurashtra	21,451	4,137,359	2,094,442	2,042,917	3,560,700	975	+ 15.0	197
3. Kutch	16,724	567,606	272,977	294,629	607,880	1,079	+ 11.1	34
V—Central India	289,399	52,267,959	26,497,524	25,770,435	47,273,886	973	+ 10.0	....
1. Madhya Pradesh	130,272	21,247,533	10,662,812	10,584,721	19,631,615	993	+ 7.9	103
2. Madhya Bharat	46,478	7,954,154	4,133,075	3,821,079	7,169,880	925	+ 10.4	171
3. Hyderabad	82,168	18,655,108	9,431,062	9,224,046	16,327,119	978	+ 13.3	227
4. Bhopal	6,878	836,474	437,635	398,839	778,623	911	+ 7.2	122
5. Vindhya Pradesh	23,603	3,574,690	1,832,940	1,741,750	3,366,649	950	+ 6.0	151
VI—North-West India	284,342	34,972,597	18,569,728	16,402,869	31,960,764	883	+ 9.0	....
1. Rajasthan	130,207	15,290,797	7,961,673	7,329,124	13,300,232	921	+ 13.9	117
2. Punjab	37,378	12,641,205	6,786,934	5,854,271	12,698,603	863	+ 0.5	338
3. Patiala and East Punjab States Union	10,078	3,493,685	1,894,844	1,598,841	3,402,586	844	+ 2.6	347
4. Jammu and Kashmir	92,780	....	....	....	....	....	....	....
5. Ajmer	2,417	693,372	360,236	333,136	583,693	925	+ 17.2	287
6. Delhi	578	1,744,072	986,538	757,534	917,939	768	+ 62.1	3,017
7. Hilarpur	453	126,009	64,738	61,261	110,336	948	+ 18.3	278
8. Himachal Pradesh	10,451	983,367	514,765	468,602	947,375	910	+ 3.7	94
Andaman and Nicobar Islands	3,215	30,971	19,055	11,916	33,768	625	+ 8.0	10

* The mean decennial rate is based on the mean population of the two censuses, and not like the 'percentage variation' on the population according to the earlier census.

† Add Chandernagore: Total: 49,909; Males: 28,220; Females: 21,689.

†† Figures for Part B Tribal areas are not included.

For populations of districts see under each State.

FUTURE GROWTH

Calculations have been made about this from 1951 to 1981.

The estimate based on the assumption that the mean decennial rate of growth will be the same as that of the average of 1921-50 will be the lower limit, and the estimate based on the assumption that the mean decennial rate of growth will be the same as during the last decade will be the upper limit.

The figures given below are in millions:

	lower limit	upper limit
1951	361.3	361.3
1961	407.7	411.9
1971	458.5	469.7
1981	527.6	535.5

Making allowance for mortality and maternity rates, the trends may be estimated as follows: The figures are in crores: 1951—36; 1961—41; 1971—46; 1981—52.

DISPLACED PERSONS* Part 'A' States

Name of State.	1951 Census Provisional Totals of Displaced Persons.	Displaced Persons according to 1948 and 1949 Censuses.	Difference.
PART 'A' STATES—			
1. Assam	276,824	114,597	+ 162,227
2. Bihar	78,641	45,041	+ 33,600
3. Bombay	341,081	285,161	+ 55,920
4. Madhya Pradesh	120,886	91,507	+ 29,379
5. Madras	9,926	....	....
6. Orissa	20,026	....	....
7. Punjab	2,468,491	2,465,243	+ 3,248
8. Uttar Pradesh	475,822	412,399	+ 63,423
9. West Bengal	2,117,896	1,094,381	+ 1,023,515
TOTAL PART 'A' STATES	5,910,493	4,508,329	+ 1,371,312

* These are provisional totals; and are inclusive of children born to displaced persons after their arrival in India, in Uttar Pradesh, Madhya Pradesh, Assam, Orissa, Madras, Vindhya Pradesh, parts of West Bengal and Bihar. Elsewhere they do not include such children.

The total number of displaced persons in March, 1951 in those areas covered by the 1951 census where no special census of Displaced Persons was taken in 1948 or 1949 is 74,838.

Part 'B' States*

Name of State.	1951 Census Provisional Totals of Displaced Persons.	Displaced Persons according to 1948 and 1949 Censuses.	Difference.
PART 'B' STATES—			
1. Hyderabad	4,035	.....	.....
2. Jammu and Kashmir	Due to special conditions	prevailing there, no	Census was carried out.
3. Madhya Bharat	68,457	59,333	+ 9,124
4. Mysore	7,891	.....	.....
5. PEPSU	380,159	325,482	+ 54,677
6. Rajasthan	312,742	200,594	+ 52,148
7. Saurashtra	60,525	35,891	+ 24,634
8. Travancore-Cochin	354	.....	.....
TOTAL PART 'B' STATES	834,103	681,300	+ 140,583

Part 'C' States

Name of State.	1951 Census Provisional Totals of Displaced Persons.	Displaced Persons according to 1948 and 1949 Censuses.	Difference.
PART 'C' STATES—			
1. Ajmer	71,824	92,799	— 20,975
2. Bhopal	17,933	.....	.....
3. Bilaspur	187	.....	.....
4. Coorg	11	.....	.....
5. Delhi	509,767	377,117	+ 132,650
6. Himachal Pradesh	5,248	5,224	+ 24
7. Kutch	11,991	.....	.....
8. Manipur	1,200	541	+ 659
9. Tripura	100,251	34,883	+ 65,368
10. Vindhya Pradesh	11,626	12,945	+ 1,681
TOTAL PART 'C' STATES	733,038	523,509	+ 179,407

Part 'D' Territory

Name of State.	1951 Census Provisional Totals of Displaced Persons.	Displaced Persons according to 1948 and 1949 Censuses.	Difference
PART 'D' TERRITORIES AND OTHER AREAS—			
1. Andaman and Nicobar Islands	1,515	.....	.....
2. Sikkim	39	.....	.....
TOTAL	1,584	.....	.....
GRAND TOTAL	7,479,278	5,713,138	+ 1,691,302

FOREIGNERS*

The number of foreigners in India on December 31, 1952 was 77,865 excluding U.K. and Commonwealth citizens. They were distributed according to nationality as follows: Chinese, 23,481; Afghans, 7,592; U.S. nationals, 5,995; Iranians, 4,464; Tibetans, 10,549; Germans, 1,536; French, 1,351; Swiss, 768; Dutch, 816; Russians, 424; Belgians, 595; Japanese, 632.

RELIGIOUS GROUPS

The ratio of each religious group to the total population in the country is as follows (percentage): Hindus, 84.99; Muslims, 9.93; Christians, 2.30; Sikhs, 1.74; Jains, 0.46; Buddhists, 0.06; Zoroastrians, 0.03; Other tribal religions, 0.47; other non-tribal religions, 0.03.

The following table shows the position of religious groups in India State-wise* :

State	Hindus	Sikhs	Jains	Buddhists	Zoroastrians	Muslims	Christians	Jews	Other Tribals	Other Non-Tribals
Assam	5,894,733	4,107	4,245	22,675	27	1,996,456	585,399	209	527,712	8,144
Bihar	34,316,416	38,793	8,056	1,168	455	4,564,466	422,030	92	81,434	2,520
Bombay	31,785,614	37,017	572,093	2,395	97,573	2,906,887	525,454	20,135	8,982	8,982
Madhya Pradesh	20,215,007	38,396	96,251	2,941	3,066	800,781	88,802	228	1,183	5,878
Madras	49,996,318	2,859	35,778	1,375	2,087	4,338,136	2,431,006	474	11,036	11,056
Orissa	14,318,411	4,163	1,248	969	181	176,338	141,934	72	2,576	54
Punjab†	8,176,430	3,881,983	37,518	1,441	77	229,080	95,293	170	—	631
Uttar Pradesh	53,762,925	197,612	97,744	3,221	1,258	9,028,992	123,476	34	—	80
West Bengal	19,510,660	29,867	19,116	81,589	1,918	4,927,163	175,293	2,619	109,294	2,698
Hyderabad	16,088,905	8,449	80,287	145	1,992	2,206,182	200,973	16	24,503	3,656
Madhya Bharat	7,333,021	12,521	100,234	219	934	496,153	10,947	125	—	—
Mysore	8,177,291	3,247	22,930	1,125	470	698,831	170,909	162	—	1
PEPSU	1,704,349	1,721,935	7,578	219	98	55,913	3,665	9	—	19
Rajasthan	13,862,150	144,233	327,763	41	500	949,344	6,702	—	—	—
Saurashtra	3,587,884	881	128,916	13	560	422,186	1,814	69	—	36
Travancore-Cochin	5,587,852	275	354	40	38	721,227	2,968,030	2,288	—	321

* The population of Chandernagore (49,909) is not classified.

† Persons whose enumeration records were destroyed by fire—268,602.

The following table shows the position State-wise :—(Contd.)

State	Hindus	Sikhs	Jains	Buddhists	Zoroastrians	Muslims	Christians	Jews	Other Tribals	Other Non-Tribals
Ajmer	599,524	3,964	32,004	4,319	202	48,886	4,413	—	—	—
Bhopal	700,381	502	5,985	7	55	128,672	812	—	—	—
Coorg	199,465	9	54	16	10	23,062	6,788	—	—	1
Delhi	1,467,854	137,006	20,174	603	164	99,501	18,685	90	—	5
Himachal Pradesh and Bilaspur	1,088,841	5,019	34	2	—	15,253	317	—	—	—
Kutch	393,128	478	62,397	—	49	111,434	117	3	—	—
Manipur	347,325	50	150	33	1	37,197	68,394	—	124,485	—
Tripura	480,662	35	36	15,403	1	136,940	5,262	—	690	—
Vindhya Pradesh	3,485,083	529	11,835	7	13	76,126	1,092	5	—	—
Andaman and Nicobar	9,294	126	1	1,604	2	4,783	9,494	1	20	5,646
Sikkim	97,863	18	19	39,397	—	124	304	—	—	—
Total*	303,186,986	6,219,134	1,618,406	181,767	111,791	35,400,117	8,157,765	26,801	891,935	49,228

* The Census booklets available at the time of preparing the article did not give the all-India totals. The figures given here are the ones worked out in office by adding the figures for individual States.

SCHEDULED CASTES AND TRIBES

Statistics about three Special Groups are given below. The Special Groups which are four in number are the Scheduled Castes, the Scheduled Tribes, the Backward Classes and the Anglo-Indians.

The main results for the Scheduled Castes and Tribes for the country as a whole are shown in the table below :

Groups	Number (in Lakhs)			Number per 1,000 persons		
	Population	Scheduled Castes	Scheduled Tribes	Population	Scheduled Castes	Scheduled Tribes
INDIA	3 567*	513	191	1,000	144	54
.. .. . Total	2 048	462	186	1,000	157	63
.. .. . Rural	618	51	5	1,000	83	8
.. .. . Urban	2 491	381	173	1,000	153	70
All Agricultur. Classes	1 076	132	18	1,000	123	17
All Non-Agricultural Classes						
<i>Agricultural Classes :</i>						
I. Cultivators of land, wholly or mainly <i>owned</i> and their dependants	1 674	174	125	1,000	104	75
II. Cultivators of land, wholly or mainly <i>unowned</i> and their dependants	316	56	19	1 000	176	59
III. Cultivating labourers, and their dependants	448	148	28	1,000	330	63
IV. Non-cultivating owners of land, agricultural rent receivers and their dependants	53	3	1	1,000	61	12
<i>Non-Agricultural Classes :</i>						
Persons (including dependants) who derive their principal means of livelihood from :—						
V. Production other than cultivation	377	53	7	1,000	142	20
VI. Commerce	213	9	1	1,000	44	6
VII. Transport	56	6	1	1,000	110	11
VIII. Other Services and miscellaneous sources	430	64	9	1,000	147	20

* This does not include 1 35 lakhs for whom enumeration records were destroyed by fire in the Census Tabulation Office at Jullundur. Classification details for these persons are not available.

Also it does not cover Chandernagore or Sikkim.

The figures for Scheduled Castes and Tribes for Chandernagore and Sikkim are as follows:

State		Castes		Tribes	
		Males	Females	Males	Females
Chandernagore	Total	3,889	1,568	77	62
	Rural	.. .. .	.. .. .	.. .. .	.. .. .
	Urban	3,889	1,568	77	62
Sikkim	Total	99	13	14,739	14,690
	Rural	40	11	14,140	14,244
	Urban	59	2	599	446

The State-wise break-up is shown in the following table :

State	Scheduled Castes			Scheduled Tribes		
	Total	Agricultural Classes	Non-Agricultural Classes	Total	Agricultural Classes	Non-Agricultural Classes
INDIA	51,343,808	38,118,959	13,224,939	10,110,498*	17,284,260	1,822,422
Uttar Pradesh	11,479,102	9,011,654	2,467,448	—	—	—
Bihar	5,057,812	4,441,999	615,813	4,049,183	3,808,860	240,323
Orissa	2,630,763	1,925,763	705,000	2,967,334	2,615,289	352,045
West Bengal	4,696,205	3,264,940	1,431,265	1,165,337	921,221	244,116
Assam	424,044	251,926	169,118	1,735,245	1,026,968	108,277
Manipur	—	—	—	194,239	188,532	5,707
Tripura	46,371	30,311	16,060	192,293	180,701	11,592
Madras	8,533,632	6,626,062	1,907,570	935,979*	552,123	83,856
Mysore	1,608,821	1,207,893	400,928	15,310	12,062	3,248
Travancore-Cochin	870,139	628,999	241,140	26,580	22,791	3,789
Coorg	25,690	12,182	13,508	21,084	11,307	9,777
Bombay	3,003,024	1,683,770	1,319,254	3,359,305	2,833,354	525,951
Saurashtra	119,358	17,019	102,339	38,849	16,623	22,226
Kutch	7,150	2,549	4,601	17,002	8,724	8,278
Madhya Pradesh	2,898,968	2,102,841	796,137	2,477,024	2,380,974	96,050
Madhya Bharat	1,323,881	993,166	330,715	1,080,812	1,014,028	46,784
Hyderabad	2,800,184	2,091,050	709,134	354,933	329,817	25,116
Bhopal	129,370	89,517	39,853	59,114	53,332	5,782
Vindhya Pradesh	476,234	403,156	73,078	418,282	391,280	27,002
Rajasthan	1,609,074	1,146,268	462,806	316,348	314,099	2,249
Punjab	2,386,113	1,421,117	965,026	2,429	2,175	254
Patiala & East Punjab States Union	676,302	472,542	203,760	—	—	—
Ajmer	80,974	36,054	44,920	9,816	N.A.	N.A.
Delhi	208,612	23,219	185,393	—	—	—
Bilaspur	27,135	23,529	3,606	—	—	—
Himachal Pradesh	224,610	208,413	16,197	—	—	—

* The figures include about 5,000 persons in Madras district who returned themselves as Harijans but were misclassified as 'Scheduled Tribes'.

ANGLO-INDIANS

The following table shows the position about Anglo-Indians :

Zone and State		Persons	Males	Females
INDIA		111,637	54,563	57,074
Uttar Pradesh		6,343	3,388	2,955
Bihar		4,596	2,921	1,675
Orissa		485	296	189
West Bengal		31,616	14,421	17,195
Chandernagore		89	—	89
Assam		1,055	475	580
Manipur		—	—	—
Tripura		94	52	42
Sikkim		—	—	—
Madras		27,253	14,251	13,002
Mysore		10,659	4,021	6,638
Travancore-Cochin		11,990	6,012	5,978
Coorg		41	22	19
Bombay		7,327	3,550	3,777
Saurashtra		58	56	2
Kutch		—	—	—
Madhya Pradesh		2,634	1,593	1,041
Madhya Bharat		186	126	60
Hyderabad		3,919	1,881	2,038
Bhopal		18	18	—
Vindhya Pradesh		240	124	116
Rajasthan		740	390	350
Punjab		935	551	384
Patiala & East Punjab States Union		239	115	124
Ajmer		298	156	142
Delhi		812	142	670
Bilaspur		4	1	3
Himachal Pradesh		6	1	5
Andaman and Nicobar Islands		—	—	—

RURAL AND URBAN POPULATION *

State.	Total.	Rural.	Urban.	Percentage of Rural.	Percentage of Urban.
INDIA	356,879,394	295,004,271 *	61,875,123	83	17
Part 'A' States	278,802,540	232,878,014	46,124,526	..	..
Assam	9,043,707	8,629,289	414,418	95	5
Bihar	40,225,947	37,521,216	2,704,731	93	7
Bombay	35,956,150	24,785,610	11,170,540	69	31
Madhya Pradesh	21,247,533	18,370,194	2,877,339	86	14
Madras	57,010,002	45,832,268	11,183,734	84	16
Orissa	14,645,946	14,051,876	594,070	96	4
Punjab	12,641,205	10,240,273	2,400,932	81	19
Uttar Pradesh	63,215,742	54,500,043	8,625,699	86	14
West Bengal	24,810,308	18,057,045	6,153,263	76	24
Part 'B' States	67,886,500	54,594,053	13,292,447	..	..
Hyderabad	18,655,108	15,178,949	3,476,159	81	19
Madhya Bherat	7,954,154	6,512,923	1,441,231	82	18
Mysore	9,074,972	6,800,245	2,178,727	76	24
Patla and East Punjab States Union	3,493,685	2,828,175	665,510	81	19
Rajasthan	15,290,797	12,041,430	3,249,367	83	17
Saurashtra	4,137,359	2,744,198	1,393,161	66	34
Travancore-Cochin	9,280,425	7,792,133	1,488,292	84	16
Part 'C' States	9,971,749	7,574,266	2,397,483	..	..
Ajmer	693,372	395,608	297,764	57	43
Bhopal	836,474	700,411	136,063	84	16
Bilaspur	126,099	122,354	3,745	97	3
Coorg	229,405	213,150	16,255	93	7
Delhi	1,744,072	306,938	1,437,134	17	83
Himachal Pradesh	983,367	941,966	41,401	96	4
Kutch	507,006	453,852	113,754	80	20
Manipur	577,635	574,773	2,862	99	1
Mipur	639,029	596,434	42,595	93	7
Vindhya Pradesh	3,574,690	3,268,780	305,910	91	9
Part 'D' Territories and other areas	168,696	157,938	10,758	..	..
Andaman and Nicobar Islands	30,971	22,957	8,014	74	26
Chikim	137,725	134,981	2,744	98	2
Chandernagore	49,909	—	49,909	0	100

* It should be pointed out here that whether an area is urban or rural depends on a number of factors of which population is only one. Also these factors vary from State to State.

The population of villages and towns respectively grew as follows from 1921 to 1951 (figures in lakhs):

Year	Villages	Towns	Rate of Growth	
			Villages	Towns
1921	2,109	282	—	—
1931	2,420	334	+10.1	+18.4
1941	2,710	438	+12.0	+31.1
1951	2,950	619	+8.9	+41.3

The population of the 10 largest cities has grown as follows (figures in lakhs):

City	1951	1941-50	1931-40	1901-30
Calcutta	45.8	—	—	6.0
Bombay	28.4	11.4	3.9	4.6
Madras	14.2	6.4	1.3	1.4
Delhi	13.8	7.2	2.2	2.3
Hyderabad	10.9	3.5	2.7	0.2
Ahmedabad	7.9	2.0	2.8	1.3
Bangalore	7.8	3.7	1.0	1.5
Kanpur	7.1	2.2	2.4	0.4
Poona	5.9	2.4	0.8	0.0
Lucknow	5.0	1.1	1.1	0.2

HOUSES AND POPULATION

Zone.	Area in sq. miles.	Villages.	Towns.	Occupied Houses		
				Total.	Rural.	Urban.
*INDIA	1,176,864	558,080	3,018	64,361,676	54,056,388	10,305,288
North India	113,409	111,722	486	10,408,944	9,073,985	1,334,959
East India	261,661	185,319	208	17,285,005	15,255,491	2,029,514
South India	168,009	57,758	683	13,387,542	11,251,393	2,136,149
West India	140,609	39,533	594	7,248,611	5,056,813	2,191,798
Central India	280,399	102,062	517	10,145,228	8,720,099	1,425,129
North-West India	191,562	61,494	440	5,881,046	4,695,159	1,185,887
Andaman and Nicobar Islands	2,215	201	..	5,300	3,408	1,892

* Area (92,780 sq. miles) and population of the State of Jammu and Kashmir and population of Part B Tribal Areas of Assam not included.

No. OF TOWNS AND VILLAGES

Zone.	Total number of inhabited towns and villages.	Total Population.
INDIA	561,107	356,879,394
North India	112,208	63,215,742
East India	185,017	90,130,206
South India	58,441	75,000,804
West India	40,127	40,601,115
Central India	102,579	52,267,959
North-West India	61,934	34,972,597
Andaman and Nicobar Islands	201	30,971

TOWNS AND VILLAGES WITH POPULATIONS 500 TO 100,000

Size	Number	Males	Females
Less than 500	380,020	39,956,302	38,391,385
500—1,000	104,268	87,162,941	35,757,819
1,000—2,000	51,769	36,194,478	34,962,006
2,000—5,000	20,508	30,023,792	29,085,181
5,000—10,000	3,101	10,540,836	10,212,900
10,000—20,000	856	6,016,525	5,664,248
20,000—50,000	401	6,240,152	5,563,895
50,000—100,000	111	4,020,602	3,534,715

There can be a four-fold classification of towns—cities (population of one lakh and over), major towns (population 20,000 to one lakh), minor towns (population 5,000 to 20,000), townships (under 5,000).

The average number of villagers per village is 529.8.

The percentage of rural population living in small villages (under 500) is 26.5; in medium-sized villages, (500-2,000) is 48.8; in large villages (2,000-5,000) is 19.4; in very large villages (over 5,000) is 5.8.

A house is a building in which people live. A household is a group of people who live together and take their food from a common kitchen.

There are 112 households in every 100 houses in a typical Indian village, and 124 households in every 100 houses of a typical Indian town.

In every 100 households in a village there are 491 persons, in every hundred households in the town the number is 471.

In every 100 houses in a village 550 people live, in every 100 houses of a town 584.

Out of 491 people in every 100 rural households 252 are males and 239 are females. Out of 471 people in every 100 urban households 248 are males and 223 are females.

We can have a four-fold classification of households—small household (3 persons or less), medium (4, 5 or 6), large (7, 8 or 9), very large (10 or more).

The number of different types in 100 households in a typical village and a typical town will be as follows:

	Village	Town
Small	33	38
Medium	44	41
Large	17	16
Very large	6	5

The pattern of household relationship in 100 households with 487 persons in them will be as follows:

	Number
Heads of households	100
Wives of heads	71
Sons of heads	108
Daughters of heads	81
Male relatives other than sons	49
Female relatives other than daughters	72
Persons unrelated to heads	7
Total	487

POPULATION OF CITIES

State and City.	1951.	1941.	Mean Decennial Growth Rate (1941-51).	State and City.	1951.	1941.	Mean Decennial Growth Rate (1941-51).
INDIA	24,126,502	16,733,088	+ 36.2	Uttar Pradesh—contd.			
Part A States	18,286,425	13,063,200	+ 33.3	10. Dehra Dun*	144,216	78,228	+ 50.3
1. Bihar	856,720	622,849	+ 31.6	11. Aligarh	141,618	112,055	+ 22.8
2. Patna	283,479	196,415	+ 30.3	12. Rampur	134,277	89,322	+ 40.2
3. Jamshedpur	218,162	165,395	+ 27.5	13. Gorakhpur*	132,436	88,977	+ 28.9
4. Gaya	133,700	105,223	+ 23.8	14. Jhansi	127,305	103,254	+ 20.9
5. Bhagalpur*	114,530	93,254	+ 20.5	15. Mathura*	105,773	80,532	+ 27.1
6. Ranchi*	106,849	62,562	+ 52.3	16. Shahjahanpur	104,835	110,163	- 5.0
Bombay	5,075,668	3,281,579	+ 42.9	West Bengal	3,609,801	2,490,673	+ 21.8
1. Bombay	2,839,270	1,695,168	+ 50.5	1. Calcutta	2,548,677	2,108,891	+ 18.9
2. Ahmedabad	788,333	591,267	+ 28.6	2. Howrah	433,630	379,202	+ 13.4
3. Poona	480,982	278,165	+ 53.4	3. Tollyganj*	149,817	58,594	+ 87.5
4. Sholapur	266,050	203,691	+ 26.6	4. Bhatpara	134,916	117,044	+ 14.2
5. Surat	223,182	171,443	+ 26.2	5. Kharagpur*	129,636	87,185	+ 39.2
6. Baroda	211,407	153,301	+ 31.0	6. Garden Reach*	109,160	85,188	+ 24.7
7. Kolhapur*	136,835	93,032	+ 38.1	7. South Suburban (Behala)*	104,055	63,479	+ 48.4
8. Hubli*	129,609	95,512	+ 30.3	Part B States	4,350,097	2,831,778	+ 42.3
Madhya Pradesh	706,097	480,296	+ 34.1	Hyderabad	1,218,852	831,907	+ 37.7
1. Nagpur	449,090	301,957	+ 39.2	1. Hyderabad	1,085,722	739,159	+ 38.0
2. Jabalpur	250,998	178,339	+ 30.1	2. Warangal*	133,130	92,808	+ 35.7
Madras†	3,379,130	2,098,456	+ 46.8	Madhya Bharat	682,253	467,459	+ 37.4
1. Madras	1,416,050	777,481	+ 58.2	1. Indore	310,850	204,695	+ 41.7
2. Madurai	361,781	239,144	+ 40.8	2. Gwalior	241,577	182,492	+ 27.9
3. Tiruchirappalli	218,921	159,566	+ 31.4	3. Ujjain*	129,817	81,272	+ 40.0
4. Salem	202,335	129,702	+ 43.8	Mysore	1,182,384	691,159	+ 52.4
5. Coimbatore	197,755	130,348	+ 41.1	1. Bangalore	778,877	406,780	+ 62.4
6. Vijayavada*	161,198	86,184	+ 60.6	2. Mysore	244,323	150,540	+ 47.5
7. Kozhikode	158,724	120,362	+ 22.7	3. Kolar Gold Fields	150,084	138,859	+ 17.2
8. Guntur*	125,255	83,599	+ 39.9	Rajasthan	588,960	429,878	+ 31.2
9. Mangalore*	117,083	81,069	+ 36.3	1. Jaipur	291,130	175,810	+ 49.4
10. Vishakapatnam*	108,042	70,243	+ 42.4	2. Jodhpur	180,717	126,842	+ 35.0
11. Vellore*	106,024	71,502	+ 38.0	3. Bikaner	117,113	127,226	- 8.3
12. Rajahmundry*	105,276	74,564	+ 34.2	Saurashtra	374,439	226,617	+ 49.2
13. Tanjore*	100,680	68,702	+ 37.8	1. Bhavnagar	137,951	102,851	+ 29.2
Orissa	102,505	74,291	+ 31.9	2. Rajkot*	132,069	52,178	+ 86.7
1. Cuttack*	102,505	74,291	+ 31.9	3. Jamnagar*	104,419	71,588	+ 37.3
Punjab	648,358	637,932	+ 1.6	Travancore-Cochin	803,209	184,698	+ 48.6
1. Amritsar	325,747	391,010	- 18.2	1. Trivandrum	186,931	128,365	+ 37.2
2. Jullundur	168,816	135,293	+ 23.1	2. Alleppey*	116,278	56,933	+ 69.5
3. Ludhiana	153,795	111,639	+ 31.8	Part C States	1,490,070	838,063	+ 56.0
Uttar Pradesh	3,908,056	2,968,166	+ 27.3	Ajmer	196,633	147,258	+ 28.7
1. Kanpur	705,383	487,324	+ 36.6	Bhopal*	102,333	75,228	+ 30.5
2. Lucknow	496,861	387,177	+ 24.8	Delhi	1,191,104	615,682	+ 63.7
3. Agra	375,665	284,149	+ 27.7	1. Delhi	914,790	521,849	+ 54.7
4. Banaras	355,777	263,100	+ 30.0	2. New Delhi*	276,314	93,733	+ 98.7
5. Allahabad	332,295	260,630	+ 24.2				
6. Meerut	233,183	169,290	+ 31.6				
7. Bareilly	208,083	162,088	+ 7.7				
8. Moradabad	161,854	142,414	+ 12.8				
9. Saharanpur	148,435	106,263	+ 31.8				

* These towns have been treated as cities for the first time.

† The following cities are now in Andhra: Vijayavada, Guntur, Vishakapatnam and Rajahmundry.

TOWNS WITH THEIR POPULATIONS

Uttar Pradesh			Name of Town	Persons	Name of Town	Persons
(50,000—100,000)—15 Towns					Tripura	
Name of Town		Persons			(20,000—50,000)—1 Town	
Shahjahanpur		98,949	Sasaram	20,265	Agartala	42,505
Mathura		98,552	Girdih	29,167	Madras*	
Mirzapur		86,528	Jharia	20,480	(50,000—100,000)—20 Towns	
Faizabad		76,582	Sahibganj	25,069	Kakinada†	99,952
Meerut Cantonment		74,770	Deoghar	25,510	Tuticorin	98,886
Farrukhabad		74,205	Hajipur	25,149	Kumbakonam	91,643
Firozabad		65,438	Purnea	25,060	Eluru†	87,213
Muzaffarnagar		64,213	Dehri	24,496	Kancheepuram	81,810
Sambhal		61,429	Mothari	24,480	Nellore†	81,480
Etawah		59,986	Madhubani	23,283	Dindigul	78,361
Amroha		59,105	Siwan	22,625	Masulipatnam†	77,953
Hathras		56,619	Barhi (Admn. Committee)	20,752	Tirunelveli	73,476
Hardwar		56,175	Orissa		Bellary††	70,322
Budaun		53,521	(50,000—100,000)—1 Town		Palghat	69,504
Jaunpur		52,351	Berhampur	62,343	Cuddalore	69,084
(20,000—50,000)—17 Towns			(20,000—50,000)—5 Towns		Vizianagaram†	67,104
Hapur		49,260	Puri	40,057	Rajapalayam	60,861
Phibhit		46,225	Sambalpur	23,525	Kurnool†	60,222
Kanpur Cantonment		45,158	Balasore	22,851	Tenali†	58,116
Bahraich		44,741	Parlakimedi	22,270	Nagapattinam	57,854
Sitapur		44,397	Jeypore	20,352	Krode	57,576
Ghazabad		43,745	West Bengal		Adoni†	53,583
Agia Cantonment		42,135	(50,000—100,000)—14 Towns		Tiruppur	52,479
Khurja		38,462	Kamarhati	77,251	(20,000—50,000)—92 Towns	
Bulandshahr		37,496	Baranagar	77,126	Aruppukottai	48,554
Lucknow Cantonment		37,377	Asansol	76,277	Virudhunagar	46,309
Chandauli		36,689	Burdwan	75,376	Gudiyatham	45,667
Maunath Bhanjan		34,807	Serampur	74,324	Pudukottai	44,527
Ghazipur		33,498	Tilghar	71,622	Mayuram	43,436
Basti		33,203	Bally	63,138	Cannanore	42,131
Gonda		32,566	South Dum Dum	61,391	Karur	42,155
Kasganj		31,534	Hoogly—Chinsura	56,805	Pollachi	41,744
Bijnor		30,616	Kanchrapara	58,668	Ootacamund	41,370
Balha		30,638	Nabadwip	56,298	Tiruvannamalai	40,718
Banda		30,327	Berhampur Town	55,613	Srivilliputtur	40,436
Hardoi		29,881	Nalhati	55,313	Anakapalle†	40,102
Najibabad		29,362	Krishnagar	50,012	Tellicherry	40,040
Tanda		29,288	(20,000—50,000)—27 Towns		Palayamcottai	40,010
Nagina		27,947	Panhati	49,514	Ambur	39,992
Dehra Dun Cantonment		27,812	Bankura	49,369	Chittoor†	38,894
Azam Garh		26,632	Midnapur	45,476	Vaniyambadi	38,712
Deoband		25,906	Barrackpur	42,639	Karakudi	38,153
Unao		25,240	Santipur	42,413	Kadayanallur (P)	38,060
Haldwani		25,065	Jalpaiguri	41,250	Chirala†	37,729
Lakhimpur		25,055	Bhadrachar	36,292	Melapalayam	37,653
Rae Bareilly		24,958	Basirhat	34,823	Cuddapah†	37,438
Shahabad		24,627	Halsahar	34,666	Srirangam	36,702
Fatehpur		24,301	Darjeeling	33,605	Proddatur†	36,624
Sikandrabad		24,080	Cooch-Belhar	33,212	Bodmayakanur	35,912
Rootke		23,239	Siliguri	32,480	Villupuram	35,684
Katana		23,103	Budge-Budge	32,106	Chidambaram	34,732
Kannauj		23,138	North-Barrackpur	32,173	Palani	34,486
Raipur		23,088	Champdany	31,543	Nandyal†	33,314
Mainpuri		22,932	Kulti (Non-Municipal)	31,363	Anantapur†	31,952
Nawab Ganj		22,886	English Bazar	30,663	Gudivada†	31,942
Vrinda Ban		22,119	Bansberia	30,622	Guntakal†	31,341
Oral		21,258	Garulla	28,304	Tenkasi (P)	31,074
Tilhar		21,203	Ranaghat	27,465	Peryakulam	31,000
Sahaswan		21,107	Rishra	25,939	Bhimavaram†	30,928
Lalitpur		20,792	Baniganj	24,886	Gobichettipalayam	30,354
Konch		20,732	Alipur Duar (Non-Municipal)	24,883	Cochin	29,881
Deoria		20,156	Baldyabati	23,981	Mannargudi	29,800
Allahabad Cantonment		20,036	Vishnupur	23,364	Tindivanam	29,651
Bihar			Chandernagore		Vikramasingapuram (P)	29,361
(50,000—100,000)—6 Towns			(20,000—50,000)—1 Town		Panthalayi (P)	29,001
Darbhanga		84,816	Chandernagore	40,909	Sannalot (P)†	28,180
Monghyr		74,348	Assam		Ongole†	27,810
Muzaffarpur		73,594	(50,000—100,000)—1 Town		Pullyangudi (P)	27,619
Chapra		64,309	Shillong	53,756	Mettupalayam	27,516
Arrah		64,205	(20,000—50,000)—6 Towns		Tiruvarur	27,251
Bihar		63,124	Gauhati	43,615	Mettur (Township)	27,003
(20,000—50,000)—20 Towns			Dibrugarh	37,991	Combum (P)	27,002
Jamalpur		44,172	Silchar	34,059	Kovilpatti (P)	26,908
Dinapore		42,684	Nowgong	28,257	Devakottai	26,989
Katihar		42,365	Dhubri	22,787	Tirupathi†	25,207
Purulia		41,461	Barpeta	21,187	Arni (P)	24,567
Bettiah		35,631			Hindupur†	24,438
Dhanbad		34,077			Salur†	24,405
Hazari Bagh		33,812			Silkakulam (M)†	24,212
Barh		29,308			Dharapuram	24,163

* Includes towns in Andhra.

† Town in Andhra.

†† Town in Mysore.

* Town in Andhra.

AGRICULTURAL CATEGORIES

Zone and State.	Cultivators of land wholly or mainly owned and their dependents.		Cultivators of land wholly or mainly unowned and their dependents.		Cultivating labourers and their dependents.		Non-cultivating owners of land, Agricultural rent receivers and their dependents.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
INDIA	85,115,449	82,231,052	16,256,195	15,383,524	22,395,852	22,416,076	2,438,190	2,886,111
<i>I.—North India</i>	20,371,406	18,989,829	1,710,939	1,514,876	1,908,442	1,703,767	304,286	363,326
1. Uttar Pradesh	20,371,406	18,989,829	1,710,939	1,514,876	1,908,442	1,703,767	304,286	363,326
<i>II.—East India</i>	22,674,108	22,455,759	4,302,662	4,156,499	6,011,673	6,019,187	341,039	379,910
1. Bihar	11,108,039	11,134,447	1,665,358	1,661,319	4,294,978	4,500,264	120,821	126,068
2. Orissa	4,308,305	4,410,517	137,779	471,972	903,050	900,918	95,971	123,856
3. West Bengal	4,060,898	3,956,859	1,621,532	1,458,870	1,905,680	1,436,201	75,093	74,028
4. Assam	2,728,885	2,506,906	614,990	513,264	90,098	67,215	38,371	43,230
5. Manipur	206,432	204,930	27,915	29,823	701	680	5,165	6,371
6. Tripura	196,599	186,544	29,732	26,198	17,104	13,782	5,588	6,330
7. Sikkim	58,950	56,552	5,356	5,033	102	97	27	27
<i>III.—South India</i>	13,851,489	13,629,350	3,308,612	3,270,241	6,288,063	6,617,452	718,177	904,402
1. Madras	10,035,503	9,890,497	2,740,126	2,724,135	5,026,611	5,366,751	547,425	690,742
2. Mysore	2,566,834	2,465,953	223,980	204,455	319,229	296,624	117,632	144,673
3. Travancore-Cochin	1,209,905	1,234,609	332,503	326,603	927,974	911,703	49,789	65,130
4. Coorg	39,247	38,291	12,023	11,018	14,249	10,284	3,331	3,857
<i>IV.—West India</i>	8,126,228	8,036,516	1,063,570	1,920,941	1,732,085	1,692,341	353,606	435,077
1. Bombay	7,357,679	7,291,206	1,758,255	1,726,765	1,640,920	1,611,626	321,078	390,764
2. Saurashtra	690,917	664,687	177,993	167,163	83,556	72,029	31,943	39,932
3. Kutch	77,632	80,653	27,322	27,013	8,209	8,686	3,685	5,381
<i>V.—Central India</i>	12,462,061	12,246,406	1,769,793	1,657,433	4,571,624	4,610,286	408,585	485,615
1. Madhya Pradesh	5,206,144	5,312,984	482,496	467,266	2,165,857	2,170,424	152,313	191,395
2. Madhya Bharat	2,076,244	1,975,087	427,912	384,564	420,131	428,487	34,269	37,672
3. Hyderabad	3,885,624	3,802,003	711,816	666,118	1,589,615	1,610,154	207,717	211,773
4. Bhopal	162,580	148,554	31,710	27,040	83,152	84,273	5,006	5,102
5. Vindhya Pradesh	1,151,429	1,080,774	115,859	111,536	312,469	316,944	9,250	9,673
<i>VI.—North-West India</i>	7,607,980	6,832,472	3,200,525	2,833,463	983,280	872,907	307,476	317,754
1. Rajasthan	3,456,713	3,165,177	1,843,022	1,652,751	238,254	236,742	117,176	127,102
2. Punjab	2,566,061	2,256,115	1,076,879	938,689	519,301	443,376	133,429	134,747
3. Patiala and East Punjab States Union	911,284	777,842	218,136	186,741	195,195	163,481	41,702	40,303
4. Ajmer	132,611	127,634	11,348	10,398	9,111	10,457	6,674	7,232
5. Delhi	64,108	56,610	8,496	7,601	15,278	13,998	2,811	2,794
6. Bilaspur	49,589	47,520	6,854	7,126	1,191	795	579	744
7. Himachal Pradesh	427,522	402,174	35,350	30,157	4,950	4,148	5,105	4,832
Andaman and Nicobar Islands	2,177	1,890	94	...	85	46	21	27

NON-AGRICULTURAL CATEGORIES*

Zone and State.	Production other than cultivation.		Commerce.		Transport.		Other services and Miscellaneous sources.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
INDIA	20,024,164	17,696,033	11,232,253	10,076,618	3,114,358	2,505,770	22,657,958	20,324,786
<i>I.—North India</i>	2,861,348	2,439,965	1,692,701	1,486,894	476,173	383,838	3,773,571	3,204,581
1. Uttar Pradesh	2,861,348	2,439,965	1,692,701	1,486,894	476,173	383,838	3,773,571	3,204,581
<i>II.—East India</i>	4,245,187	3,484,969	2,496,330	2,028,495	760,495	489,337	4,584,158	3,851,483
1. Bihar	865,551	719,117	719,725	648,282	165,721	125,895	1,283,522	1,087,380
2. Orissa	456,960	469,823	208,911	216,941	41,160	36,378	700,756	812,044
3. West Bengal	2,176,471	1,634,829	1,329,911	981,398	480,579	275,718	2,089,277	1,646,964
4. Assam	710,327	617,224	202,772	150,204	67,782	47,787	353,938	255,591
5. Manipur	15,000	25,381	11,287	12,837	1,690	1,380	15,495	12,598
6. Tripura	20,206	18,189	22,566	18,272	1,801	1,513	41,093	33,808
7. Sikkim	672	451	1,164	471	1,762	166	4,177	2,698
<i>III.—South India</i>	5,095,492	4,897,774	2,485,000	2,470,811	717,419	664,866	5,358,290	5,323,366
1. Madras	3,599,441	3,443,500	1,893,379	1,918,091	494,508	464,337	4,082,010	4,098,946
2. Mysore	489,278	440,344	259,858	245,296	54,653	50,241	625,965	565,977
3. Travancore-Cochin	975,720	990,524	326,879	304,864	166,946	149,492	631,087	645,107
4. Coorg	81,653	23,406	4,884	3,060	1,312	796	19,228	13,336

* Chandernagore with a population of 49,000 is not included in this classification.

NON-AGRICULTURAL CATEGORIES* *Contd.*

Zone and State	Production other than Cultivation		Commerce.		Transport.		Other services and Miscellaneous sources.	
	Males	Females.	Males.	Females.	Males.	Females.	Males.	Females.
IV. West India	3,163,442	2,638,132	1,732,504	1,512,236	506,836	416,508	3,398,320	3,027,053
1. Bombay	2,727,891	2,221,266	1,482,275	1,254,038	443,416	358,772	2,883,318	2,486,851
2. Saurashtra	381,308	362,371	221,092	223,272	55,913	51,182	449,820	463,281
3. Kutch	54,243	51,495	29,227	34,926	7,507	6,554	65,152	76,921
V—Central India	3,030,683	2,791,517	1,277,164	1,208,319	352,136	316,396	2,605,478	2,415,463
1. Madhya Pradesh	1,173,576	1,078,457	482,384	450,217	161,024	147,794	836,018	760,184
2. Madhya Bharat	421,764	367,727	232,817	213,754	45,847	38,923	471,051	411,865
3. Hyderabad	1,297,343	1,228,168	482,400	472,116	125,734	117,458	1,130,823	1,086,252
4. Bhopal	48,917	39,027	27,556	24,203	7,795	5,492	70,919	61,235
5. Vindhya Pradesh	86,093	78,138	52,007	48,029	8,736	6,729	96,667	83,927
VI—North-West India	1,617,376	1,376,784	1,547,523	1,369,361	300,562	235,469	2,933,771	2,500,708
1. Rajasthan	712,170	615,766	517,623	488,222	77,532	65,579	999,181	867,785
2. Punjab	501,028	414,711	611,128	532,292	74,889	56,419	1,232,984	1,014,061
3. Patiala and East Punjab States Union	139,219	116,187	142,345	124,774	77,610	61,409	169,353	128,104
4. Ajmer	70,717	63,321	45,707	40,583	12,603	10,486	71,425	63,625
5. Delhi	177,312	124,785	220,401	175,750	55,053	40,115	442,589	335,881
6. Bilaspur	2,967	2,574	1,175	1,010	173	124	2,210	1,468
7. Himachal Pradesh	13,963	9,440	9,144	6,730	2,702	1,337	16,029	9,784
Andaman and Nicobar Islands	10,636	6,892	935	502	747	356	4,370	2,132

* Chandernagore with a population of 49,909 is not included in this classification.

LIVELIHOOD PATTERNS*

Out of a total population of 3,566 lakhs, 1,014 lakhs (28.3 per cent) are self-supporting; 2,113 lakhs (60.1 per cent) are non-earning dependents, and 379 (10.6 per cent) earning dependents.

Out of a total agricultural population of 2,490 lakhs, 710 lakhs are self-supporting; 1,470 lakhs are non-earning dependents, and 310 lakhs earning dependents.

Out of a total non-agricultural population of 1,076 lakhs, 334 lakhs are self-supporting; 673 lakhs are non-earning dependents; and 69 lakhs earning dependents.

The following table gives a comprehensive picture of self-supporting and dependent people and the percentage

Under Agriculture Class I is owner-cultivator, Class II tenant-cultivator, Class III cultivating owner, Class IV agricultural rentier.

Class V are persons engaged in non-agricultural production, Class VI persons in commerce, Class VII transport, Class VIII miscellaneous income recipients (non-agricultural rentiers, pensioners, etc.)

The second column shows self-supporting persons; the third non-earning dependents; the fourth earning dependents; the fifth total dependents; the sixth percentage to general population including dependents.

The figures are in lakhs.

Category	2	3	4	5	6
Class I	457	1,001	+ 215	1,673	46.9
Class II	88	189	+ 39	316	8.8
Class III	149	247	+ 52	445	12.6
Class IV	16	33	+ 4	53	1.5
Total Agricultural classes ..	710	1,470	- 310	2,490	69.8
Class V	122	223	- 32	377	10.5
Class VI	59	145	+ 9	213	6.0
Class VII	17	37	+ 2	56	1.6
Class VIII	136	268	+ 26	430	12.1
Total non-agricultural classes	334	673	+ 69	1,076	30.2
General Population ..	1,044	2,143	+ 379	3,566	100.0

The following figures show the number of dependents supported by 100 persons in each of the eight categories. The first figure in brackets shows the number of non-earning dependents and the second figure the number of earning dependents:

Class I—266 (219.47); Class II—250 (215.44); Class III—201 (166.35); Class IV—231 (206.25); All Agricultural classes—251 (207.44).

Class V—211 (185.26); Class VI—261 (246.15); Class VII—230 (218.12); Class VIII—216 (197.19); All non-agricultural classes—222 (201.21).

General Population—242 (205.37).

BROAD CONCLUSIONS

The broad conclusion of this survey is that the average self-supporting person uses his income to support himself and at least two others.

Roughly one among three self-supporting persons also provides, in addition, partial support for one earning dependent.

During the twenty years following 1931 population grew faster than cultivation. But the relative weight of dependence on agriculture for gainful employment has not declined in the country as a whole. It is probable that it has

increased slightly. Such increase is observable in Uttar Pradesh, Bihar, Orissa, Assam, Madras, Hyderabad, Rajasthan, Punjab. It has probably diminished in Bombay, West Bengal and Mysore. In Madhya Pradesh dependence on agriculture has not changed.

Thus on the whole, there has been a general increase of non-earning dependency. The increase in absolute numbers of non-earning dependents has exceeded the entire increase of rural population in India as well as in each of the five zones out of six.

The percentage of non-earning dependents to the general population has also increased in every State except Bombay, West Bengal and the Punjab.

The increases in the percentages are not accompanied by any material change in sex ratio or age structure. They must, therefore, be regarded as a rough index of the growth of unemployment in different parts of the country.

There has been a general increase throughout the country in the number of cultivators and cultivating labourers working on the same area (say 100 acres) of uncultivated land.

The increases are relatively small in the following States:

Assam (46 to 48), Bihar (50 to 52), U.P. (49 to 51), Madras (34 to 36), Orissa (29 to 32).

Larger increases are observable in the following States:

Punjab (23 to 26), Bombay (17 to 23), Madhya Pradesh (26 to 33), Travancore-Cochin (11 to 57).

Among the major States for which figures are available Mysore alone shows a fall (32 to 26).

Material changes have occurred in the percentage of cultivating labourers to all workers in land (i.e. cultivating labourers and cultivators including their unpaid family helpers).

There is only one major State where this percentage has increased—Travancore-Cochin (84 to 47). The percentage has remained practically unchanged in Bihar (27-26), Mysore (13-14), Hyderabad (31) and Punjab (11-12).

* For detailed tables see pages 18 to 20.

In other States the percentage has fallen: U.P. (18 to 9), Orissa (30 to 19), West Bengal (40 to 28), Madras (38 to 35), Bombay (43 to 18), Madhya Pradesh (43 to 32), Rajasthan (11 to 4).

The fall is the natural result of increase in the number of cultivators and members of their families occupying the same area of cultivated land. The cultivators' need for employing labourers diminishes, as also their capacity to pay for their services.

Other reasons for the fall may be that labourers were unwilling to acknowledge as labourers to guard against the accrual of occupancy rights in land.

There were also many people who partook of the characteristics of both cultivator and cultivating labourer and whose classification was open to doubt.

It is also possible that because of legislation and the general social climate a conversion has taken place of many persons from the status of cultivating labourer to that of cultivator. Such conversions probably account for an important part of the fall observed in Bombay, Madhya Pradesh, Uttar Pradesh Rajasthan and possibly elsewhere.

Among cultivators the relative proportion of cultivator owners has increased to some extent.

Agricultural rentiers formed only a small proportion of the people in 1931, and this proportion has become still smaller in 1951.

SELF-SUPPORTING PERSONS

There are 1,044 lakhs of self-supporting persons in the country or 29.3 per cent of the population.

The table in the next column shows the rural-urban and sex-wise break-up.

Rural-Urban	Number (in lakhs)	Percentage
Rural males ..	706	47.1
Urban males ..	166	49.8
Rural females ..	151	10.4
Urban females ..	21	7.4
Total ..	1,044	29.3

Out of 1,044 lakhs of self-supporting persons 710 lakhs or 68.1 per cent are agriculturists, and 334 lakhs or 31.9 per cent are non-agriculturists.

The rural-urban and the sex-wise break-up of agricultural and non-agricultural self-supporting classes is as follows (the number is in lakhs):

Rural-Urban break-up										Agriculturists		Non-agriculturists	
										Number	Percentage	Number	Percentage
Rural males ..	..	..	..	..	..	..	..	..	..	566	80.2	140	19.8
Urban males ..	..	..	..	..	..	..	..	..	..	19	11.4	147	88.6
Rural females ..	..	..	..	..	..	..	..	..	..	121	80.2	30	19.8
Urban females ..	..	..	..	..	..	..	..	..	..	4	19.7	17	80.8
Total ..	..	..	..	..	..	..	..	..	..	710	68.1	334	31.9

The self-supporting agriculturists can be divided into four classes. The number in the second column in the table below is in lakhs. The number in the third column is the percentage of all agriculturists, the number in the last is percentage of all self-supporting persons.

Category	Number	Percentage of agriculturists	Percentage of all self-supporting persons
Cultivators of land wholly or mainly owned ..	457	64.4	43.8
Cultivators of land wholly or mainly un-owned ..	88	12.3	8.4
Cultivating labourers ..	149	21.0	14.3
Non-cultivating owners of land and other rent receivers ..	16	2.3	1.6
Total ..	710	100.0	68.1

Another way of describing Classes I and II is as owner-cultivators and tenant-cultivators. Thus the number of owner-cultivators is 457 lakhs and the number of tenant-cultivators is 88 lakhs.

The total number of cultivators can thus be put down as 545 lakhs.

The 334 lakhs self-supporting non-agriculturists can also be divided into four sections. The number in the second column is in lakhs, the number in the third shows the percentage of all self-supporting non-agriculturists, the fourth the percentage of all self-supporting persons.

Categories	Number	Percentage of self-supporting non-agriculturists	Percentage of all self-supporting persons
Employers ..	11	3.3	1.1
Self-employed other than employers ..	165	49.4	15.7
Employees ..	148	44.3	14.2
Non-agricultural miscellaneous income-receivers ..	10	3.0	0.9
Total ..	334	100.0	31.9

The employees are a clear minority. Self-employed persons are more numerous than employers and employees combined.

If we deduct rentiers from both agriculturists and non-agriculturists we get the following classification of income-earners. The number in the following table is in lakhs.

Nature of income	Cultivation	Industries and Services	Total
Net profits ..	545	176	721
Wages and salaries ..	149	148	297
Total ..	694	324	1,018

Earners of profits are much more than twice as numerous as earners of wages and salaries.

PERSONS IN INDUSTRY

The 324 lakhs self-supporting persons engaged in industries and services other than cultivation may be divided as follows :

Categories	Number (in lakhs)	Percentage
Primary industries other than mining and quarrying (0) ..	24.0	7.4
Mining and quarrying (1) ..	5.7	1.8
Processing and manufacture (food stuffs, textiles, leather) (2) ..	55.1	17.0
Processing and manufacture (metals, chemicals) (3) ..	12.4	3.8
Processing and manufacture not elsewhere specified (4) ..	24.3	7.5
Construction and utilities (5) ..	15.9	4.9
Commerce (6) ..	59.0	18.2
Transport, storage and communications (7) ..	19.0	5.9
Health, education and public administration (8) ..	22.9	10.2
Services not elsewhere specified (9) ..	75.4	23.3

The number engaged in some of the sub-divisions of the above main divisions are as follows (the figure is in lakhs) :

Plantations—10.6; Stock-raising—6.3; Fishing—4.2; Forestry (wood cutting, collection of forest produce not elsewhere specified)—2.5; Rearing of small animals and insects—27 (in thousands).

Figures for men engaged in mining are given in thousands except for coal-mining, and mining of stone clay and sand which are in lakhs.

Coal-mining—3.1; Mining of stone, clay, sand—1.2.

Iron ore—9; metals other than iron—57; petroleum—3; mica—13; salt, salt petre—22; non-metallic minerals—11. Total for this group—135.

The figures for persons engaged in various industries given below are in lakhs

Divisions 2, 3, 4

Milling of cereals, pulses, hand pounding of rice, dehussing, grinding of food grains—4.0; Vegetable oil and dairy products—2.7; Sugar—1.4; Beverages (breweries, distilleries, toddy drawers, aerated waters)—1.6; Tobacco (preparation of raw leaf, makers of bdis, cigarettes, etc., snuff)—3.6; Other food industries—1.8; All food industries (except cultivators, housewives, hotel workers)—15.

Cotton textiles—28; wearing apparel (except footwear)—6.5; Other textiles (jute, wool, silk, hemp, flax, rayon, rope, twine, etc.)—7.1; Leather (leather products, footwear)—5.8.

Manufacture of transport equipment—2.2; Machinery (other than electrical) including engineering workshops—1.2; Basic manufacture of iron and steel—1.1; Manufacture of metal products otherwise unclassified—6.2.

Manufacture of wood and wood products (carpenters, turners, etc.)—10.4; Manufacture of non-metallic mineral products (potters, makers of earthenware porcelain, crockery, glass bangles, etc.)—4.5.

Division 5

Total for construction and utilities (15.9).

Division 6

The total number engaged in commerce is 59 lakhs.

They fall into three groups: Retail trade (51.1); Wholesale trade (4.6); Money-lending, banking, insurance, real estate (3.3).

Among men in retail trade: Selling food stuffs (22.5); Selling fuel (1.9); Selling textiles and leather goods (5.6).

Division 7

Total for Transport, Storage and Communications (19.0); Transport by road (8.9); By railway (5.7); By water (2.2); By air (13 thousand).

Division 8

Total for Health, Education and Public Administration (22.9); Medical and health services (3.8).

Total for educational services and research (7.4); of these stationed in towns (3.7); in villages (3.7).

These were divided as follows*: Professors, lecturers, teachers, research workers, employed in universities, colleges, research institutions (99,256); other professors, lecturers, teachers (549,544).

Total for public administration (21.6). These may be divided as follows (see next column) :

Employees of Central Government (5.03); Total employees of State Governments (14.26).

These may be sub-divided as General administration (8.09); Police (other than village watchmen) (3.80); Village establishments including village watchmen (2.37); Employees of local bodies (2.24).

Division 9

Services not elsewhere specified (75.4). Of these nothing is known of 37.3 except that they are self-supporting.

The following para gives the details about the rest of the 38.1 lakh persons (the number is in thousands) :

Domestic service (1,121); Laundries and laundry services (565); Barbers and beauty shops (511); Religious, charitable and welfare services (369); Legal and business services (230); Recreation services (214); Hotels, restaurants and eating houses (458); Arts, letters and journalism (39).

DEPENDENTS

Out of 3,566 lakhs 2,143 or 60.1 per cent have been classified as non-earning dependents.

The table below shows the rural-urban and the sex-wise break-up of non-earning dependents :

Rural-Urban	Number (in lakhs)	Percentage
Rural males ..	674	15.0
Urban males ..	152	45.6
Rural females ..	1,065	73.5
Urban females ..	252	88.1
	2,143	60.1

There are 379 lakhs or 10.6 per cent earning dependents in the country. They are dependents in the sense that left to themselves they cannot support themselves.

The table below shows the rural-urban and sex-wise break-up of earning dependents.

Rural-Urban	Number (in lakhs)	Percentage
Rural males ..	119	7.9
Urban males ..	15	4.6
Rural females ..	232	16.0
Urban females ..	13	4.5
	379	10.6

LIVELIHOOD CATEGORIES (AGRICULTURAL CLASSES)

Zone	Self-supporting persons		Non-earning dependents		Earning dependents	
	Males	Females	Males	Females	Males	Females
India	58,514,694	12,534,662	57,193,466	89,763,174	10,479,295	20,589,610
North India	12,650,071	1,282,460	9,867,505	16,457,548	1,768,497	4,881,590
East India	15,413,440	4,487,102	16,566,906	27,188,412	2,249,314	2,256,023
South India	10,067,318	2,501,206	12,988,564	20,555,971	1,110,159	1,364,268
West India	5,158,210	796,350	5,646,961	7,592,033	1,375,918	3,786,522
Central India	9,123,477	1,877,655	7,404,714	11,112,657	2,703,872	6,048,428
North-West India	6,091,954	1,609,736	4,717,856	6,904,692	1,271,042	2,252,759
Andaman and Nicobar Islands ..	1,224	153	960	1,261	193	20

* Exclusive of five districts in Bihar : Monghyr, Bhagalpur, Saharsa, Purnea, Santhal Parganas.

LIVELIHOOD CATEGORIES (NON-AGRICULTURAL CLASSES)

Zone	Self-supporting persons		Non-earning dependents		Earning dependents	
	Males	Females	Males	Females	Males	Females
India	28,662,536	4,087,911	25,407,927	41,926,707	2,937,036	3,931,294
North India	4,751,064	586,015	3,700,962	6,350,411	350,867	578,852
East India	6,415,002	1,411,294	5,233,364	8,042,979	463,852	420,518
South India	6,275,924	1,227,083	6,794,472	11,488,904	604,805	640,830
West India	4,428,106	515,054	3,862,807	6,288,494	510,270	760,381
Central India	3,005,418	526,177	3,006,947	5,108,068	593,066	1,097,450
North-West India	3,135,575	391,848	2,803,254	4,612,359	411,127	429,313
Andaman and Nicobar Islands	9,517	440	4,121	5,492	3,040	3,950

EMPLOYERS, EMPLOYEES AND INDEPENDENT WORKERS

Zone	Employers		Employees		Independent Workers	
	Males	Females	Males	Females	Males	Females
India	1,025,540	79,089	12,915,584	1,880,417	14,051,077	2,415,176
Total	319,980	45,316	1,956,516	1,090,894	8,358,703	1,671,961
Rural	675,560	33,713	7,959,068	789,523	5,692,374	743,215
Urban	110,820	8,778	1,405,188	97,163	3,095,523	442,488
North India	37,461	1,635	500,931	41,972	1,961,008	319,090
Total	103,359	1,113	904,257	55,191	1,134,515	93,380
Rural	173,607	19,783	3,617,089	738,073	2,198,691	506,833
Urban	73,908	13,901	1,736,116	533,615	1,568,246	460,648
East India	99,699	5,882	1,880,673	181,458	930,145	100,190
Total	331,312	28,731	2,987,373	579,041	2,811,566	539,497
Rural	140,206	16,818	1,422,111	351,244	1,790,452	367,603
Urban	185,106	11,913	1,564,932	227,797	1,021,114	171,894
West India	220,039	11,062	2,302,353	196,777	1,802,901	296,133
Total	36,855	3,194	406,013	35,081	836,613	142,945
Rural	183,184	7,868	1,896,340	161,096	966,288	133,188
Urban	111,029	7,803	1,475,441	176,775	1,055,615	297,479
Central India	41,668	5,066	565,509	68,438	1,209,363	173,348
Total	66,361	2,737	909,932	108,337	710,252	124,131
Rural	48,685	2,930	1,120,725	92,453	1,881,762	272,443
Urban	10,874	1,732	320,901	39,896	991,524	178,097
North-West India	87,811	1,198	799,824	52,557	800,238	94,346
Total	48	2	7,415	135	2,019	303
Rural						
Urban						
Andaman and Nicobar Islands						

Industry	Total		Employers		Employees		Independent Workers	
	Males	Females	Males	Females	Males	Females	Males	Females
Stock Raising	560,627	70,178	14,755	1,813	131,208	10,743	414,604	57,622
Plantation Industries	657,047	403,971	7,576	1,107	580,225	382,605	69,246	20,259
Forestry and Woodcutting	213,809	38,043	5,587	357	83,015	5,748	125,207	31,938
Fishing	383,108	37,936	12,610	1,143	47,840	2,919	322,658	33,874
Mining and Quarrying	464,967	101,903	5,510	426	362,823	82,290	96,634	19,187
Coal-mining	248,337	63,063	1,122	114	243,286	61,383	3,929	1,566
Iron Ore mining	5,742	2,877	70	6	4,910	2,789	762	82
Metal mining except iron ore mining	49,705	7,247	678	23	37,157	4,440	11,870	2,784
Crude Petroleum and Natural Gas	2,252	200	118	13	1,862	50	272	137
Stone-quarrying, clay and sand pits	106,130	15,718	2,498	198	39,625	5,981	64,007	9,530
Mica	25,996	6,632	580	19	21,292	4,896	4,124	1,717
Salt, Saltpetre and Saline substances	18,859	2,742	307	26	9,870	883	8,682	1,833
Vegetable Oil and Dairy products	228,648	38,462	11,831	1,354	67,243	4,782	149,574	32,316
Sugar Industries	127,853	7,417	3,306	200	80,033	2,813	44,424	4,404
Beverages	158,601	6,257	6,312	351	44,451	1,267	107,838	4,630
Tobacco	287,804	67,898	11,868	1,610	126,780	23,154	149,176	43,134
Cotton Textiles	1,833,757	227,994	52,242	4,719	901,553	79,968	879,062	143,307
Wearing apparel and made-up textiles	597,446	51,225	29,052	1,592	116,666	6,003	451,728	43,630
Textile Industries otherwise unclassified	548,540	162,661	11,182	1,142	381,105	82,631	156,253	78,888
Leather, leather products and footwear	540,699	36,780	15,365	898	78,817	4,143	446,717	31,739
Processing and Manufacture—Metals, Chemicals and products thereof	1,184,682	52,465	88,276	1,398	609,317	24,028	476,989	27,039

Industry	Total		Employers		Employees		Independent Workers	
	Males	Females	Males	Females	Males	Females	Males	Females
Manufacture of metal products, otherwise unclassified	592,548	27,997	20,915	817	202,164	5,143	360,460	22,037
Iron and Steel (Basic Manufacture)	104,894	7,479	1,722	71	89,463	0,533	13,709	875
Non-Ferrous metals (Basic Manufacture)	10,628	246	238	7	6,090	76	4,300	163
Transport Equipment	212,554	3,720	6,230	108	168,120	2,717	38,204	895
Electrical machinery, apparatus	41,997	773	1,201	8	29,228	535	11,568	230
Machinery (other than electrical machinery)	122,677	2,291	3,009	84	101,174	1,816	18,494	391
Basic Industrial Chemicals, Fertiliser and Power Alcohol	20,367	1,111	688	31	14,172	695	5,507	385
Medical and Pharmaceutical preparations	14,158	715	393	17	11,819	481	1,946	217
Manufacturing Industries otherwise unclassified	487,136	22,173	25,275	692	102,690	5,198	359,171	16,283
Products of Petroleum and Coal	11,053	745	238	13	8,809	247	2,006	485
Bricks, tiles and other structural clay products	154,764	29,391	4,186	392	74,449	14,207	76,129	14,792
Cement—Cement pipes and other cement products	22,860	2,992	349	24	18,896	1,001	3,615	1,067
Non-metallic mineral products	385,170	59,991	10,683	1,429	49,465	5,258	325,022	53,304
Rubber products	18,733	508	730	23	14,885	306	3,118	179
Wood and wood products other than furniture and fixtures	938,605	102,594	25,581	1,765	181,788	9,878	731,326	90,951
Furniture and Fixtures	32,001	2,494	1,521	159	8,819	478	21,661	1,857
Paper and paper products	20,130	2,075	562	55	22,806	1,256	5,768	764
Printing and allied industries	123,759	2,877	7,928	199	93,553	1,014	22,278	1,064
Construction and Utilities	1,315,915	269,811	29,488	2,072	598,545	114,058	687,882	153,081
Construction and maintenance—Buildings	669,312	87,395	18,566	1,114	206,371	29,700	444,375	56,581
Construction and maintenance—Roads, Bridges and other Transport Works	127,699	21,105	4,634	240	84,652	9,579	38,413	11,286
Construction and maintenance—Telegraph and Telephone lines	7,013	558	114	2	6,273	316	626	240
Construction and maintenance operations—Irrigation and other agricultural works	95,832	18,167	1,348	88	60,122	10,457	34,362	7,622
Works and Services—Electric power and gas supply	70,526	1,470	910	10	62,772	1,243	6,844	226
Works and Services—Domestic and Industrial water supply	49,298	14,861	842	293	22,169	5,357	26,287	9,211
Sanitary Works and Services (including scavengers)	227,655	112,611	1,107	228	133,833	53,774	92,715	58,009
Commerce	5,339,343	561,975	472,943	30,732	1,086,598	48,288	3,779,802	482,955
Retail trade otherwise unclassified	1,932,622	175,383	158,847	10,818	344,110	16,517	1,429,065	148,048
Retail trade in foodstuffs (including beverages and narcotics)	1,064,398	289,616	155,134	12,382	275,951	17,405	1,533,313	259,829
Retail trade in fuel (including petrol)	158,152	34,855	17,636	1,760	39,721	2,922	100,795	30,183
Retail trade in textile and leather goods	538,060	21,595	65,599	2,236	101,047	2,928	371,414	16,431
Wholesale trade in foodstuffs	152,883	11,776	20,944	822	38,720	1,387	93,219	9,567
Wholesale trade in commodities other than foodstuffs	287,486	11,030	32,910	846	132,831	3,498	121,745	6,686
Real Estate	16,698	3,438	2,117	438	7,280	290	7,292	2,710
Insurance	35,881	1,847	1,493	107	24,429	836	9,959	904
Money-lending, banking and other financial business	253,163	12,435	18,263	1,333	122,500	2,505	112,400	8,597
Transport, Storage and Communications	1,839,007	62,964	33,690	3,006	1,254,416	36,557	650,991	22,801
Transport and Communications (otherwise unclassified) and incidental services	37,814	2,926	766	68	18,161	1,378	18,887	1,540
Transport by Road	859,075	33,784	20,989	3,026	375,962	12,841	456,724	17,917
Transport by Water	211,419	5,349	5,501	377	155,947	2,959	49,971	2,013
Transport by Air	13,199	295	124	11	11,641	263	1,434	21
Railway Transport	558,280	14,459	211	96	536,104	13,200	21,945	1,163
Storage and Warehousing	8,687	938	90	28	6,994	771	1,603	139
Postal Services	112,942	2,047	9	..	112,656	2,043	278	4
Telegraph Services	20,205	416	..	..	20,178	415	27	1
Telephone Services	12,716	2,623	..	..	12,693	2,620	22	3
Wireless Services	4,091	67	..	..	4,081	67	10	..
Health, Education and Public Administration	3,017,844	272,483	20,100	2,608	2,798,285	234,129	199,459	35,746
Medical and other Health Services	305,236	79,625	14,071	1,383	150,450	50,283	140,715	27,959
Educational Services and Research	624,858	118,491	5,840	1,221	562,934	109,684	50,084	7,636
Police (other than Village Watchmen)	375,592	4,129	..	..	375,592	4,129	..	..
Village Officers and Servants, including Village Watchmen	231,747	5,433	189	4	228,898	5,278	2,660	151
Employees of Municipalities and Local Boards (not persons classifiable under any other division)	198,410	25,839	..	..	198,410	25,839	..	..
Employees of State Governments (not persons classifiable under any other division)	782,672	26,340	..	..	782,672	26,340	..	..
Employees of Union Government (not persons classifiable under any other division)	491,198	11,864	..	..	491,198	11,864	..	..
Employees of non-Indian Governments	8,131	762	..	..	8,131	762	..	..
Services not elsewhere specified	6,092,197	1,451,528	139,806	13,755	2,801,284	644,870	3,151,127	792,908
Services otherwise unclassified	2,946,132	786,483	25,467	5,941	1,217,746	271,563	1,702,920	508,979
Domestic Services	1,033,407	391,075	8,855	906	922,956	324,800	106,596	65,860
Barbers and beauty shops	480,106	30,401	14,596	607	61,086	8,607	404,514	28,187
Laundries and laundry services	439,003	125,506	15,570	2,037	59,633	14,867	368,800	109,052
Hotels, restaurants and eating houses	424,944	38,348	59,882	2,820	228,239	8,801	142,723	21,727
Recreation services	181,400	82,780	6,035	445	71,244	6,027	104,121	27,908
Legal and business services	221,361	6,959	12,809	185	136,112	6,566	79,240	8,478
Arts, letters and journalism	87,536	1,720	2,086	112	15,991	464	21,459	1,144
Religious, Charitable and Welfare Services	328,218	41,256	6,206	652	90,268	21,145	281,764	29,459

VITAL STATISTICS

The following table shows the number of births and deaths registered in each of the three decades. The figures in the first two columns are in lakhs. The figures in the last two columns give the mean decennial registered rates.

Year	Registered births	Registered deaths	Birth-rate	Death-rate
1921-30	669	502	33.7	25.3
1931-40	753	512	33.8	23.0
1941-50	680	486	27.2	19.4

Many births and deaths go unregistered. Making allowance for this it is calculated that the birth-rate should be around 40, and the death-rate around 27.

This would give a natural increase rate of 13 per thousand per annum during the last decade.

On the same basis the birth-rates for the various zones will be as follows:

Central India (44); West India (42); north-west India (41 or 42); north India (38 or 39); east India (38 or 39); south India (36 or 37).

The death-rates would be as follows:

Central India (34); north India (27 or 28); east India (26, 27 or 28); west India (26); north-west India (24, 25 or 26); south India (21 or 22).

The following table shows the birth and mortality rates for the sub-continent from 1921 to 1946 and for India alone for 1947, 1948, 1949 and 1950

Year	Birth-rate	Death-rate	Infant mortality
1921 ..	32	31	198
1922 ..	32	24	175
1923 ..	34	25	176
1924 ..	33	28	189
1925 ..	32	24	174
1926 ..	33	25	189
1927 ..	33	23	167
1928 ..	34	24	173

Year	Birth-rate	Death-rate	Infant mortality
1929 ..	33	24	178
1930 ..	33	25	189
1931 ..	35	25	179
1932 ..	34	22	169
1933 ..	36	23	171
1934 ..	34	25	187
1935 ..	35	24	164
1936 ..	36	23	162
1937 ..	35	22	162
1938 ..	34	24	167
1939 ..	34	22	156
1940 ..	33	22	160
1941 ..	32.1	21.0	158
1942 ..	29.5	21.4	163
1943 ..	26.1	23.9	165
1944 ..	25.8	24.5	169
1945 ..	23.0	22.1	151
1946 ..	23.9	18.7	136
1947 ..	26.6	19.7	145.6
1948 ..	25.4	17.1	130.9
1949 ..	26.7	15.8	122.4
1950 ..	24.8	16	127.1

The overwhelming majority of deaths are caused by such typical tropical diseases as small-pox, typhoid, dysenteries, cholera and malaria. Tuberculosis is also a big killer. Malnutrition and nutritional diseases are very common. This is no surprise considering the general poverty of the people.

The figures below are for the larger cities like Calcutta, Bombay or Madras because they are generally more accurate than figures for the smaller towns or rural areas. Here is a table which shows the specific death-rates per thousand for Calcutta, Bombay and Madras for 1949.

	Calcutta	Bombay	Madras
Tuberculosis	120	113	69
Dysentery and Diarrhoea ..	156	79	301
Typhoid ..	58	53	10
Cholera ..	84	0.0	19

There has been some reduction in the general rate of mortality due to specific diseases over the last three decades:

Year	Cholera	Small-pox	Plague
1920 ..	0.6	0.4	0.4
1925 ..	0.5	0.3	0.5
1930 ..	1.3	0.3	0.3
1931 ..	0.9	0.1	0.2
1932 ..	0.3	0.2	0.2
1933 ..	0.3	0.4	0.2
1934 ..	0.8	0.3	0.3
1935 ..	0.8	0.3	0.1
1936 ..	0.6	0.4	0.04
1937 ..	0.4	0.2	0.1
1938 ..	0.9	0.1	0.06
1939 ..	0.4	0.2	0.1
1940 ..	0.3	0.3	0.7
1941 ..	0.8	0.2	0.04
1942 ..	0.7	0.09	0.04
1943 ..	1.5	0.2	0.05
1944 ..	1.0	0.7	0.07
1945 ..	0.9	0.4	0.09
1946 ..	0.5	0.2	0.1
1947* ..	0.4	0.1	0.3

* After partition.

Turning to infant mortality figures in the larger towns we find that there has been on the whole some improvement as the following table shows:

City	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
Bombay	248	250.2	246.3	267.9	212.2	201.5	211.4	95.1	197.4	203.0	190.4	195.4	166.6
Calcutta	239	241.6	252.7	218.6	205.4	212.5	..	166.8	427.7	429.8	288.6	243.4	269.3
Madras	227	218.3	223.8	222.1	241.6	205.7	208.9	196.8	247.3	284.3	213.8	183.0	196.0
Lucknow	224	224.4	223.5	226.4	212.2	214.4	134.3	210.0	189.0	174.7	204.7	165.4	188.5
Nagpur	261	283.5	234.6	264.2	226.2	294.6	218.8	275.5	201.9	228.0	273.1	194.0	286.8
Delhi	196	170.0	187.4	156.0	169.9	173.8	185.9	177.3	196.0	186.0	154.0	146.6	178.0
Ahmedabad ..	280	303.4	280.2	283.0	267.4	310.2	133.2	293.1	263.5	277.5	186.5	235.9	239.5

SEX RATIO

In India as whole the total number of males is 183 millions, and of females 173 millions.

The sex ratio has varied as follows: 1921—956; 1931—951; 1941—946; 1951—947.

It may be mentioned here that in the world as a whole the sex ratio is probably 962.

In the country as a whole the sex ratio as mentioned above is female to male 947 to 1,000. The lowest is 893 in the north-west, the highest is 999 in south India where practical equality of the sexes exists.

In general the sex ratio is smaller in towns than in villages. For the country as a whole the sex ratio in villages is 966, while that in towns is 860.

The sex ratio in villages is lowest in north-west India (895). In the villages of south India females outnumber males (1,004).

The urban sex ratio is lowest in east India (719). It is highest in south India (977).

The difference between the rural sex ratio and the urban sex ratio is very large in east India (258). It is smallest in south India (27).

In the country as a whole there are 235 lakhs of people living in cities. Of those 132 lakhs are males and 103 are females.

The sex ratio for all cities is 787. It is lowest for east India (841) and highest for the south (940).

The sex ratio for the ten largest cities is as follows:

Greater Calcutta, 602; Greater Bombay, 596; Madras, 921; Delhi, 750; Hyderabad, 989; Ahmedabad, 764; Bangalore, 883; Kanpur, 690; Poona, 833; Lucknow, 783.

Males and females are not born in equal numbers. They do not die in equal numbers. Hence the difference in the numbers of males and females.

For example, the average sex ratio at birth during the decade 1941-50 was as follows in the following States:

Madras, 948; M.P., 939; Bombay, 935; U.P., 857.

The sex ratio of infants who died within one year of birth during 1941-50 was as follows:

Madras, 870; M.P., 844; Bombay, 806; U.P., 790.

The sex ratio among infants at the 1951 census was as follows:

Madras, 1006; M.P., 946; Bombay, 980; U.P., 941.

AGE GROUPS

Age Groups	Total		Unmarried		Married		Widowed or divorced	
	Males	Females	Males	Females	Males	Females	Males	Females
0	5,820,763	5,668,197	....	....	....	....	....	....
1-4	17,939,286	17,907,518	....	....	....	....	....	....
5-14	44,702,897	41,988,861	41,864,306	35,736,625	2,832,553	6,118,408	66,098	133,828
15-24	30,671,972	30,052,335	16,627,537	5,181,447	13,659,997	24,041,306	384,438	826,582
25-34	27,874,703	26,632,987	3,700,903	772,578	23,121,613	23,730,973	1,052,187	2,129,436
35-44	22,031,938	19,528,364	1,149,578	303,586	19,323,284	15,345,469	1,559,076	3,879,309
45-54	15,718,686	13,898,327	604,012	173,048	13,076,712	8,313,457	2,037,962	5,411,822
55-64	9,064,548	8,624,304	208,623	88,943	6,776,934	3,334,253	1,988,991	5,201,108
65-74	3,867,562	3,975,667	104,353	37,125	2,533,458	1,092,051	1,229,751	2,846,491
75 and over	1,629,982	1,756,145	46,438	18,468	882,924	370,410	700,020	1,367,237
Age not stated	111,503	116,979	51,497	60,138	45,611	41,640	14,395	15,201

The percentage of different age-groups in the villages and the towns is as follows:

	Villages	Towns
Infants and young people	13.7	12.9
Boys and girls	25.1	23.2
Young men and women	32.3	36.5
Middle-aged men and women	20.4	20.1
Elderly persons	8.5	7.3

MARITAL STATUS*

	Total			Unmarried		Married		Widowed or divorced	
	Persons	Males	Females	Males	Females	Males	Females	Males	Females
Total	349,583,524	179,433,840	170,149,684	88,117,296	65,950,673	82,253,086	82,387,997	9,033,158	21,811,014
Rural	291,620,960	148,215,841	143,375,119	72,400,699	51,823,396	68,173,714	70,185,963	7,671,128	18,465,760
Urban	57,962,564	31,187,999	26,774,565	15,746,597	11,127,277	14,079,372	12,202,034	1,362,030	3,445,254

* Excluding displaced persons.

MATERNITY PATTERN

Out of every 10,000 persons in India 5,133 are males and 4,867 are females.

Among them 2,521 males (19.1 per cent) and 1,886 females (38.5 per cent) are unmarried. Together the unmarried people are about 11.1 per cent of the population.

To put it the other way round, among men 45.8 per cent are married and 5.0 per cent are widowers, and among women 48.4 per cent are married and 12.8 per cent widows.

The number of divorced persons in India is 141,786 or 0.1 per cent.

The proportion of unmarried persons is highest in south India (48.2 per cent) and lowest in central India (41.1 per cent).

The 1951 census counted 28,33,000 married males and 61,18,000 married females, 66,000 widowers, 134,000 widows all between the ages of 5 and 14.

The approximate number of marriages contracted in contravention of the law would be 91,50,000.

But there is evidence that the child marriage rate is diminishing. The percentage of married females under 15 was 9.6. This dropped to 7.4 in 1951.

The percentage of unmarried women above 15 is 6.4.

Facts concerning marital status in villages and towns separately is as follows:

In the villages, out of 10,000 persons 2,338 are married males and 2,407 are married females.

In the towns the corresponding figures are 2,429 and 2,105.

There is a fall in the proportion of widowers and also of widows. The former fell from 5.6 per cent in 1931 to 5.0 per cent in 1951. The latter fell from 16.1 per cent in 1931 to 12.8 per cent in 1951.

For maternity only married women in the age-group 15 to 44 are to be taken into account.

We have to base our findings on investigations carried out in Travancore-Cochin State during the 1951 census.

On an average a mother in Travancore-Cochin who lives to complete her child-bearing period gives birth to more than 6 children but not more than 7.

Out of this the number actually alive on census day was 4.6. Among the children born alive 2 had died preceding their mothers.

Thus in Travancore-Cochin the child birth index is 6.6, child survival index 4.6, child loss index 2.0.

These indices vary as follows:

Age group	Child birth index	Child survival index	Child loss index
Under 20	1.2	1.0	0.2
20-24	1.8	1.4	0.4
25-29	2.9	2.3	0.6
30-34	4.2	3.2	1.0
35-39	5.3	4.0	1.3
40-45	6.2	4.6	1.6
Over 45	6.6	4.6	2.0
Average	4.3	3.2	1.1

The child birth indices of mothers divided into groups was as follows:

Agricultural landholders' and tenants' families	4.5
Agricultural labourers' families	4.1
Non-agricultural families	4.2
Rural	4.3
Urban	4.2

Mothers can be divided into two groups: those who commenced child-bearing during the ages 15 to 19 (Maternity Type A), and those who commenced child-bearing during the ages 20 to 24 (Type B).

Their child birth indices are as follows:

	Type A	Type B
Under 20	1.2	-
20-24	2.0	1.3
25-29	3.6	2.3
30-34	4.8	3.7
35-39	6.0	4.9
40-44	6.8	5.8
Over 45	7.3	6.1

Investigations of a different sort have given the following results:

The total number of births which occur in the course of one year among about 1,000 persons is 40. Among these 40 births, 8 births are first births, 16 births are either first births or second births; 23 births are either first, second or third births; and 17 out of 40 are either fourth births or births of a higher order.

We may speak of births occurring to mothers who have already given birth to three or more children as 'improvident maternity'—except in the exceptional circumstance where all previously born children are dead. We may refer to the percentage of such maternities to all births as the Incidence of Improvident Maternity.

The following figures show the incidence for a number of countries. In most countries this incidence is falling, while in India there is no evidence of any decrease:

India—42.8; U.S.A.—19.2; U.K.—14.3; France—19.7; Japan—33.9.

INDIANS OVERSEAS

THE total Indian (includes Pakistani before 1948) population overseas, according to the latest available estimates, is as follows:—

Commonwealth : 3,207,969
Foreign Countries : 1,822,688
Total : 5,030,657

Name of country	Indian population	Date of estimates	Name of country	Indian population	Date of estimates
<i>Commonwealth.</i>			<i>Foreign Countries</i>		
Aden	9,456	1946	Afghanistan	238	1951
Australia	2,480	..	Argentina	600	1950
Barbados	100	1950	Bahrain	2,500	1951
British Guiana	197,696	1951	Belgium	50	1949
British Honduras	1,366	1946	Belgian Congo	1,227	1950
British North Borneo	1,298	1931	Brazil	21	1950
British Somaliland	250	1946	Burma	700,000	1952
Brunei	720	1950	China	321	1951
Canada	2,148	1951	Dutch Guiana	60,000	1952
Ceylon	957,839	1953	Egypt	868	1952
Cyprus	40	1950	Ethiopia	1 100	1952
Dominica	5	1950	Europe	1,000 (approx- imately)	..
Fiji Islands	148,802	1952	Fr. Possessions in India	316,425	1939
Federation of Malaya	640,709	1952	Indo-China	2,616	1948
Gibraltar	41	1946	Indonesian Republic	35,000	1951
Gold Coast	250	1948	Iran	752	1951
Grenada	3,482†	1932	Iraq	650	1948
Hongkong	2,000	1950	Italy	90	1949
Jamaica	25,000	1952	Italian Somaliland	1,000	1947
Kenya	90,528	1948	Japan	171	1952
Leeward Islands	99	1946	Kuwait	1,965	1951
Malta	37†	1948	Lebanon	49	1948
Mauritius	322,972	1952	Madagascar	9,955	1950
Nigeria	875	1947	Mexico	20	1950
New Zealand	1,800	1952	Morocco, Tangiers, Algiers,	2,500	1952
Northern Rhodesia	2,600	1952	Libya, Tunisia	1,145	1948
Nyasaland	1,000	1952	Muscat	19,441	1941
Sarawak	2,300	1940	Nepal	28	1950
Sechelles	285	1947	Nicaragua	308	1950
Singapore	83,624	1952	Panama	56	1947
Sierra Leone	76	1948	Pakistan	1,800	1951
South Africa	265,525	1952	Philippines	5,000	1948
Southern Rhodesia	4,150	1952	Portuguese East Africa	637,846	1950
St Kitts	97	1950	Portuguese Possessions in India	2,200	1950
St Lucia	2,643	1950	Rouillon	1,964	1940
St Vincent	1,818	1950	Ruanda Urundi	2,400	1948
Tanganyika	56,499	1952	Saudi Arabia	32	1948
Trinidad and Tobago	243,155	1951	Syria	17,000	1952
Uganda	33,767	1948	Thailand	2,405	1947
United Kingdom*	7,128	1932	United States of America	40	1950
Zanzibar and Pemba	15,812	1948	Venezuela .. .. .	..	..
Total for Commonwealth	3,207,969	..	Total for foreign countries	1,822,688	..
			Total for all countries	5,030,657	..

* The last authoritative census were taken in 1932. According to an estimate made in 1947 the figure lies between 5,000 and 6,000.
† Denotes number of Asians

EMIGRATION LAWS

Emigration out of India is governed by the Indian Emigration Act (VII of 1922) and the Rules made thereunder, as amended in 1938 and 1940.

"Emigration" means departure by sea out of India of a person under an agreement to work for hire. Emigration is not lawful except from Ports which have been notified as "Emigration" Ports. Emigration for unskilled work is not lawful to any country at present, and the very departure for engaging in unskilled work to Ceylon, Burma, Malaya and Singapore is prohibited, unless exemption is granted by general or special orders of the Central Government.

Emigration for skilled work is permissible on compliance with prescribed formalities.

The functions under the Act are performed by the Central Government through the Controller-General of Emigration and Joint Secretary to the Government of India in the Ministry of External Affairs, New Delhi, with the assistance of the Protectors of Emigrants at the Emigration Ports and the Controller of Emigration, Madras, who supervises the activities of the Protectors of Emigrants in the Madras State.

Following Ports are at present Emigration Ports under the Act. Each Port has a Protector of Emigrants.

1. Bombay (Protector of Emigrants Exchange Building, Sprott Road, Ballard Estate, Bombay).
2. Okha (Port Officer).
3. Porbander (Port Officer).
4. Bedi (Port Officer).
5. Madras (Protector of Emigrants: Kilpauk, Madras 10).
6. Nagapattinam (Protector of Emigrants).
7. Dhanushkodi (Protector of Emigrants), (Mandapam Camp).
8. Tuticorin (Protector of Emigrants).
9. Gopalpur (The District Officer).
10. Calcutta (Protector of Emigrants: 7, Hare Street, Calcutta).

ENTRY ON QUOTA

The following countries admit Indians on quota basis: Canada, U.S.A., Thailand and Indonesia.

Canada. Under an Agreement entered in 1951 between the Government of India and the Government of Canada, the latter agreed to receive 150 Indian nationals every year for permanent residence. Selection is entirely by the Government of Canada. The main criteria is that the immigrant should be likely to assimilate in the local population. Educational qualifications, property qualifications, etc. are considered. Priority is also given according to the nearness of relationship between the intending immigrant and his sponsors in Canada, also the capacity of the sponsors to support him financially. Chronological order of applications is also taken into consideration.

U.S.A. United States of America has fixed an annual quota of 100 Indian immigrants. 25 per cent of this quota is reserved for Indians born or residing outside India. The selection of immigrants is made by the U.S. Government. The main considerations on which selection is made are: (a) the immigrant must be a genuine East Indian, (b) must be free from contagious diseases or moral turpitude, (c) must not subscribe to anarchist or subversive theories, (d) must not be a practising polygamist, (e) must be literate in some modern language, and (f) must be in possession of sufficient funds to avoid likelihood of becoming public liability.

Thailand. The quota fixed by Thailand is 200 per annum. The selection is made by the Thai Government.

Indonesia. Indonesia fixed a quota of 1,000 immigrants in 1952 to a group of four countries, viz., India, Pakistan, Ceylon and Burma. It is, however, entirely at the discretion of the Indonesian Government to permit Indians to settle in Indonesia.

FREER MIGRATION

In some of the countries, though Indians are not admitted for the specific purpose of settlement, they can enter and reside on completion of formalities and conditions prescribed under the respective immigration and other laws of those countries. Mauritius, British East African territories of Kenya, Uganda, Tanganyika, Zanzibar, Northern Rhodesia, Nyasaland, Belgian Congo, Ruanda-Urundi, Nigeria, Ethiopia, Aden, Bahrain, Iraq, Muscat, Kuwait, Saudi Arabia, Seychelles, Malaya, Fiji, Japan, the United Kingdom, British West Indies, British Guiana, and British North Borneo are among such countries.

The main requirements of some of the countries are indicated below:

Mauritius. An intending immigrant should be able to deposit Rs. 1,000 on entry into the Colony.

British East Africa. A person intending to engage on his own account in trade, business, agriculture, mining, and manufacture in these territories must have at his disposition prescribed capital and must obtain a certificate from the prescribed authority in the territory concerned permitting him or her to engage in a particular profession, trade or calling in that territory. Professionals like doctors, dentists, lawyers, are not required to have any prescribed capital, but should possess sufficient capital or assured income to enable them to give effect to their intention.

Northern Rhodesia. The main requirement is a knowledge of the English language. Persons intending to enter for business and trade must also have sufficient capital. There is scope for Indians wishing to settle there as doctors, lawyers, technicians, etc.

Malaya. Before the New Immigration Ordinance which was to come into force on August 1, 1953, Indians were free to enter provided they were not likely to become destitute. Under the new immigration laws, entry permits for permanent residence will not normally be granted to fresh immigrants wishing to enter Malaya for employment or for pursuing a profession unless the applicant is a skilled artisan or his entry is considered to be in the economic interest of Malaya or Singapore, or he holds a contract of employment with a well-established business concern on terms and conditions of service of a prescribed standard, or unless he holds special qualifications to be able to pursue his profession without prejudice to the interests of persons already resident in Malaya.

British West Indies. Indians are admitted in exceptional cases, where they possess special skills that are in short supply there or who may bring capital for investment.

Belgian Congo. Entry Permits may be granted to those who can deposit a certain sum and satisfy the authorities regarding good conduct, etc.

Ethiopia. There is no particular restrictions for immigration into Ethiopia, but the Ethiopian Government's permission is required in every case.

United Kingdom. Indians are free to settle in the United Kingdom.

Switzerland. Indian nationals can go to and reside in Switzerland, subject to the laws and rules in force in that country.

BAN ON ENTRY

Fresh Indian immigration is either banned or is not permitted as a matter of policy into the following countries:—South Africa, Southern Rhodesia, Australia, New Zealand, Ceylon, Philippines, most of the European and South American countries and Burma.

South Africa. Immigration of Indians into the Union of South Africa is banned.

Southern Rhodesia. Southern Rhodesia treats Indians as prohibited immigrants, but admits wives and dependant children of the persons already there.

New Zealand. There is a ban on the entry of fresh Indians, but as a special case the New Zealand Government permits the entry of the children of permanent residents into New Zealand for permanent residence subject to certain conditions.

Australia. Asians, including Indians, are not allowed to immigrate into Australia for permanent settlement. Indians are, however, permitted to start wholesale export-import business provided the minimum annual turn-over is £A500; but without any citizenship or other rights. Indians already settled there can, however, take their wives and minor children subject to certain conditions.

BURMA

Burma was a province of India till 1937 April when it was given a separate constitution. In 1931 the Indian population was reported to be over one million. Consequent upon the Japanese occupation of Burma in 1942, about 4 lakhs of Indians left Burma for India. After the liberation of Burma many did not return to that country in view of the changed conditions in Burma and the difficulty of obtaining employment there. The present population of Indians in Burma is estimated to be about 7 lakhs.

Indians are mainly agricultural, dock and casual labourers and small-scale businessmen. Some Indians are engaged in wholesale importing business and as rice merchants.

With the introduction of the Burmaisation policy, no foreigner is now allowed to buy any property, nor can any property be transferred to any foreigner. Non-nationals in Government service are being replaced by nationals.

A large number of Indian land-owners in Burma will be adversely affected by the 'Land Nationalization' Scheme.

Under the Union of Burma Citizenship Act, 1948, an alien can become a Burma citizen by naturalisation, if he had resided continuously in the Union for not less than five years before the application and also fulfils other prescribed conditions.

As foreigners in the country, Indians as such have no franchise. Those Indians who have become Burmese citizens are entitled to all privileges including franchise that other Burmese are entitled to.

Rupees forty a month can be remitted to dependants in India by Money Order. Large sums for maintenance of families and other specific purposes can be remitted on the strength of certificates from the District Magistrate concerned in India. On leaving Burma for good, all assets can be transferred to India.

MALAYA

Malaya is divided into two administrative units, the Federation of Malaya and the Colony of Singapore.

Of the total Indian population of about 7 lakhs, about 70 per cent are labourers in rubber and tin estates, and the rest are either clerks or employed in business, trade and other professions, like law and medicine.

Indians do not suffer from any special disabilities.

Indians are eligible for citizenship of the Federation of Malaya, if they fulfil the prescribed conditions. Under the new citizenship code for the Federation, which came into force on September 15, 1952, Federal citizenship is automatic for citizens of the U.K. and Colonies. Most of the Indians in Malaya are qualified or entitled to become citizens of the U.K. and Colonies under the British Nationality Act, 1948.

In Singapore there is no citizenship law and the British Nationality Act applies.

The Federation of Malaya's Legislature is nominated and there are no elections to it. In a Legislative Council of 75 seats, Indians have 5 seats. In the Federal Executive Council of 20, there is one Indian member.

The Colony of Singapore is under a Governor; Strength of Executive Council 12, Indian Members 1; Strength of Legislative Council 25, Indians 3.

There are no restrictions on Indians in the matter of remittances to India.

CANADA

Indian residents of Canada are largely comprised of labourers employed in lumbering and trucking. There are a few lumber mill owners, and some are working as clerks in various establishments. The Indian community is mostly concentrated in British Columbia where there are 1,937 Indians out of a total of 2,148 Indians in the whole of Canada. The Indian community is called the "East Indian Community".

There are no disabilities on Indians in the matter of owning property, engaging in trade or profession, entering Government service or residence in any locality. The period for qualification for citizenship is 5 years. In 1952, one Indian was elected to a Municipal Council.

Indians can remit to India any amount earned in Canada.

BRITISH GUIANA, WEST INDIES

Indians form the bulk of sugar plantation labour in British Guiana and Trinidad. A good number of them work also on cocoa plantations. They are the backbone of the countries' agriculture, and grow rice and vegetables. There are also a number of prominent Indian merchants, doctors and teachers.

In British Guiana, Indians constitute the largest single racial group. (46 per cent of the total population.) In Trinidad Indians are about 38 per cent of the total population.

Very few Indians have been employed in Government service. A vast majority of Indians are illiterate. In Jamaica, a large number of dairies are owned by Indians.

There is no discrimination against Indians in British Guiana or Trinidad, and they enjoy the same citizenship rights as other nationals of these territories.

In Trinidad the Executive Council has 5 elected members and the Legislative Council 18 elected members. There is one Indian in the Executive Council and 6 Indians in the Legislative Council.

In the Executive Council of British Guiana there are 6 elected members, of whom 3 are Indians. The Legislative Council consists of 24 elected members, 8 of whom are Indians.

In Jamaica where Indians form only 1.7 per cent of the total population there is one Indian member in the Lower House comprising 32 elected members.

Money can be freely sent to India from the British West Indies.

MAURITIUS

Indians in Mauritius form about 65 per cent of the total population of the Colony. The Indian population is mainly composed of descendants of "indentured" labourers from Madras, U.P. and Bihar, but there is a sprinkling of traders from Bombay. Indians have settled

there for generations and are now termed "Indo-Mauritians". A large proportion of them are farm-labourers on sugar plantations. The rest are engaged in commerce and trade or are doctors, lawyers, government servants.

Indians are mostly illiterate, and on the whole their economic and social conditions are not as satisfactory as in some other Colonies.

There is no colour bar against Indians, nor do they suffer from any political disability.

There are 3 Indians on the Executive Council which consists of 10 members including the President (the Governor) and 3 ex-officio members. In a Legislative Council of 35 consisting of the President (the Governor), 3 ex-officio, 12 nominated and 19 elected members, 13 are Indians. Fresh elections to the Legislative Council were due in August-September, 1953.

There are no restrictions on remittances to India.

EAST AFRICA

British East Africa consists of the four territories of Kenya, Uganda, Tanganyika and Zanzibar.

The majority of the Indians in these territories are engaged in commercial undertakings. Artisans, technicians, Government servants, doctors, lawyers, make up most of the balance.

Indians in East Africa—numbering about 2 lakhs—are mostly concentrated in urban centres. In Kenya and Tanganyika they constitute about 59 per cent of the total non-native population of each territory; in Uganda they form the single largest community among the non-Africans, being about 82 per cent of the non-African population. Their general economic condition is on the whole very satisfactory. Many of them are quite well-to-do.

In Uganda some Indians have big factories, e.g., sugar, sisal and ginning. About 90 per cent of the total trade of Uganda passes through Indian hands.

Indians (and also other non-Europeans) are not allowed to own or lease land in the Kenya Highlands for agricultural and industrial purposes. Anti-Asiatic regulations prevent the purchase or occupation of certain residential sites in Nairobi and Mombasa (in Kenya) by Indians.

Indians are, in practice, discriminated against in the matter of appointments under the Government; they are generally excluded from appointments to higher posts and are denied military training. An Indian (or other non-European) gets less pay than a European for the same work.

In Kenya, grants for social services, e.g., education, are more favourable to Europeans than to Indians. Indians are also known to be subject to social disability, such as exclusion from European hotels, restaurants, etc.

Indian residents in these territories are entitled to acquire the citizenship of the U.K. and Colonies under the British Nationality Act. Normally one year's continuous stay or birth in the territory is necessary.

In Tanganyika, Uganda and Zanzibar there is no elective system for filling up seats in the Legislative Councils. In Kenya, the population is divided into race electorates for the election of members to the Legislative Council; the Indian electoral roll is further subdivided as between Indian Muslims and other Indians. Out of six seats two are for Indian Muslims and four for other Indians.

Indians also enjoy municipal franchise in these territories.

The representation of Indians on the Legislative and Executive Councils is shown below:

Country	Executive Council		Legislative Council	
	Total	Indians	Total	Indians
Kenya	12	1	54 (28 non-officials).	8 (6 elected unofficial— 2 Muslims and 4 other Indians—and 2 nomi- nated officials).
Uganda	14	2	32 (16 non-officials).	4 (nominated non-officials).
Tanganyika	13	1	20 (14 non-officials).	3 (nominated non-officials).
Zanzibar	9	—	17 (8 non-officials).	2 (nominated non-officials).

Since 1st January, 1948, Kenya, Uganda and Tanganyika have been included in a sort of loose union designated East African High Commission with a common legislature and a common administrative service for certain specific purposes. The legislature of the East African High Commission consists of 7 ex-officio members, 3 nominated official members (1 from each territory) and 13 non-official members. The 13 non-official members consist of: one elected by the non-official members of the Legislative Council of each territory, one European, one Indian and one African member appointed by the Governor of each territory (in Kenya the European and Indian members are elected by the European and Indian members respectively of the Kenya Legislative Council) and one Arab member (appointed by the High Commission).

There are no restrictions on remittances to India.

SOUTH AFRICA

Persons of Indian origin in South Africa are mostly labourers, traders, small farmers, factory workers, and in small numbers professionals (doctors, lawyers).

Racial discrimination against Indians exists in South Africa in every walk of life and in the worst possible form. Persons of Indian origin are practically excluded from parliamentary, provincial and municipal franchise as well as from public services except in menial and subordinate posts.

"Apartheid" or racial segregation is the declared policy of the South African Government. In accordance with this policy Indians are subject to a number of restrictions as regards immigration, inter-provincial migration, residence, trade, industry, professional and other occupations. Racial segregation is also enforced in schools, post offices, railways, public transport, hotels, and public utility undertakings.

The outstanding piece of anti-Asiatic legislation is the Group Areas Act, 1950. By this Act, the entire population of the Union has been divided into three main groups, White, Native and Coloured. Persons of Indian origin are included in the Coloured group. The Government will establish by proclamation "group areas" for exclusive occupation or ownership or both, of any of the groups. The various racial

communities will have to live and occupy premises for trade and professions only in areas allotted to them. Indians and other non-Europeans will thus not be able to continue to hold properties in an area declared for the European group. The Union Government has already started taking active steps for the proclamation of group areas in a number of important cities in the Union. When the Act is fully implemented, persons of Indian origin will have to move into the areas exclusively reserved for them and this will disrupt their trade and business and involve immense losses running to millions of pounds.

Asians have been declared prohibited immigrants since 1913, but the right of entry into the Union of wives and children of Indians domiciled in South Africa was provided for in the Reciprocity Resolution passed at the Imperial Conference of 1918 and later in the Cape Town Agreement of 1927. The Union Government have now announced their decision to ban the entry into South Africa of the wives and children of persons of Indian origin domiciled in the Union.

The aim of the present South African Government in regard to Indians is their ultimate repatriation to India.

Practically all Indians domiciled in South Africa are South African citizens by law, but they are denied some of the most important rights of citizenship.

No Indian, who is not already a South African citizen, is allowed to acquire South African citizenship.

Indians have no franchise rights in the Provinces of Natal and Transvaal. In the Cape Province they enjoy limited franchise rights as for Cape Coloureds.

Indians are not eligible to a place in the Executive Council or Legislature, whether provincial or central.

There is no special limit to remittances by Indians to India.

The question of the treatment of the people of Indian origin in South Africa was placed before the General Assembly of the United Nations in 1946. In that year the U.N. General Assembly passed a resolution expressing the opinion that "the treatment of Indians should be in conformity with the international obligations under the agreements concluded between the two governments and the relevant provisions of the Charter." Resolutions have been passed in subsequent sessions of the U.N. General Assembly in this respect, but the Union Government have paid little attention to these resolutions. In the Resolutions adopted in 1950 and afterwards the Union Government was also called upon to suspend the implementation of the Group Areas Act pending the conclusion of negotiations between the Governments of India, Pakistan and South Africa. But the Government of South Africa has proceeded with the implementation of this Act despite these Resolutions.

The General Assembly, by its latest Resolution, set up a Good Offices Commission to assist the three Government concerned in their negotiations on this question. But the South African Government refused to recognise the Commission.

SOUTHERN RHODESIA

Indians in Southern Rhodesia are mostly traders. Immigration of Indians into Southern Rhodesia has been prohibited since 1920, and only wives and children under 16 of domiciled Indian residents are admitted.

Although there are no discriminatory laws as such against Indians, in practice and in the interpretation of laws discrimination against them exists, particularly in the social sphere. Indians are not eligible for appointments to the Fixed Establishment of the Civil Services, and are not admitted into the Armed Forces. Indians are required to obtain special permits in order to purchase, possess or sell arms and ammunition whereas Europeans can do so on ordinary permits.

There is a common roll for all races with common qualifications. Of about 50,000 voters in the territory, between 400 and 500 are Indians.

Southern Rhodesia is a quasi-Dominion and has a cabinet of seven Ministers headed by a Prime Minister. There are no Indians in the Cabinet. The country has an elected Legislative Council consisting of 30 members, all of whom are Europeans. Because of the small number of Indian voters, no Indian has been elected to the Legislative Council so far.

There is no limit to remittances to sterling area countries.

CEYLON

Out of a total of 957,839 persons of Indian origin in Ceylon, about 781,000 (labourers, subordinate staff, etc.) are in the tea, rubber and coconut estates. The balance of 176,839 is made up of merchants, shop assistants, land proprietors, and professional men such as doctors, accountants, lawyers and their families.

There is no restriction on Indians' acquiring property in Ceylon, but non-Ceylonese are not allotted Crown Land. Trade in certain commodities and with certain countries like Japan and Germany is exclusively reserved for Ceylonese enterprise. Certain rights like fishing rights and the ownership of industries like public transport (omnibuses) are restricted to Ceylonese. Government service is restricted to Ceylonese except that foreigners are appointed on a contract basis when no qualified or suitable Ceylonese is available. Consequently Indians who have not acquired Ceylon citizenship have severe handicaps. Indians are also denied certain privileges such as National Insurance and unemployment relief.

The rights of Indians to citizenship are governed by two Acts enacted in 1948 after a discussion between the Indian and Ceylonese Prime Ministers*. These Acts are the Ceylon Citizenship Act and the Indian and Pakistani Residents (Citizenship) Act, which provide that the Indian residents in Ceylon would be entitled to obtain the citizenship of Ceylon by registration subject to the following conditions: (a) an applicant must be resident in Ceylon when the laws came into force and must have been residing in Ceylon since January 1, 1936 if a bachelor and since January 1, 1939 if a married man, (b) he must have adequate means of livelihood, (c) he should be in a position to comply with the laws and customs of Ceylon, and (d) the application for registration was filed and submitted to the Controller of Registration before August 5, 1951.

Consequent on an adverse Privy Council judgement, an amendment to the Indian and Pakistani Residents (Citizenship) Act was made by the Government in November, 1952, providing that the wife and each minor child of an applicant for citizenship should have been continuously resident in Ceylon from January 1, 1939, or the first anniversary of the marriage, or birth, as the case may be, whichever was later, subject to certain exemptions. This has proved a hardship to many persons.

Great difficulty has also been encountered by applicants in proving ordinary residence in Ceylon during 1936-47 mainly due to lapse of time, lack of documents and the illiteracy of the majority of applicants and consequent inability to provide legal proof of the required residential qualifications.

Franchise to the legislature is limited to Ceylonese citizens. Indians, even those who were voters till 1949, were disfranchised after the enactment of the Ceylon Parliamentary Election (Amendment) Act of 1949, if they had not acquired Ceylon citizenship.

Indians at present enjoy franchise for local bodies but a bill has been introduced in Parliament restricting such franchise only to Ceylon citizens.

The Parliament of Ceylon consists of the House of Representatives (Lower House) and the Senate (Upper House). The strength of the House of Representatives is 101, 95 elected and 6 nominated members. None of the elected representatives could be a non-Ceylonese, and consequently there is no Indian member in Parliament. There is no Indian appointed by the Governor-General for either House of Parliament, but one person, a Ceylonese by citizenship, has been nominated to the House of Representatives to represent Indian interests.

Remittances from Ceylon are governed by the Exchange Control Regulations in force which are altered from time to time in accordance with the financial situation in Ceylon. Under the existing Exchange Control Regulations remittances up to a maximum of one-third of proved income in Ceylon may be sent to India. All non-Ceylonese holding valid residence permits can obtain Exchange Control Cards from the Post Offices for a monthly remittance of Rs. 30 for purposes of maintenance.

Fiji

Indians have played an important part in the development of the economic resources of the Fiji Islands. Indian residents are the descendants of the indentured immigrants from India who started coming into the Colony in

1879. The Indian population is about 47 per cent of the whole population of the island. The majority of the Indians are independent farmers, agricultural labourers, skilled and semi-skilled workers; the rest being teachers, clerks, store-keepers, doctors, lawyers. Sugar-cane production and road transport are Indian monopolies.

There is no colour bar in Fiji and Indians suffer from no 'political disabilities'. There is also no racial discrimination against Indians with regard to appointment to the civil services. However, under the present Government regulations, Indians cannot own land which is marked as 'Native Land Reserve' or 'Crown Land, without the approval of Government; but there are no restrictions on their acquiring freehold land.

Indians in Fiji have franchise both in respect of Legislature and Local Town Council but the franchise is on a communal basis.

The Legislative Council consists of 31 members—16 officials and 15 non-officials. In the non-official group Europeans, Indians and Fijians have equal representation with 5 members for each group. Of the 5 Indian members 3 are elected on a communal franchise and 2 are nominated. The Executive Council consists of 4 officials (excluding the Governor) and 3 non-official members. One of the non-official members is an Indian elected from among the Indian members on the Legislative Council.

There are no restrictions on the remittance of money outside Fiji.

AUSTRALIA, NEW ZEALAND

The majority of persons of Indian origin settled in Australia are engaged in retail trade or agricultural operations.

Indians domiciled in Australia do not suffer from any disability and have all citizenship rights. In accordance with the White Australia Policy, fresh Indians are, however, not admitted for permanent settlement.

The Commonwealth franchise was granted to Indians domiciled in Australia in 1925.

The great bulk of Indians in New Zealand are engaged in the sale of fruits and groceries. Domiciled Indians are not generally subject to any disability or discrimination.

Indians have always enjoyed the right to vote both in Municipal and Parliamentary elections.

Indians can remit a limited amount to India for maintenance of wives and children. Up to April 1952, the limit was £55 for wife and £5 for each child (subject to maximum of 4 children) per quarter, but since then a 50 per cent cut has been imposed.

* An agreement between India and Ceylon on the status of Indian residents in Ceylon was expected to be signed in February.

A TOURIST'S GUIDE*

THE following hints meant for foreign tourists may be useful:

1. Every foreign tourist entering India should be in possession of a valid passport issued by his Government.

He should also obtain before leaving his country a visa from the Indian representative abroad (or the British representative in countries where there are no Indian representatives). Commonwealth citizens are exempt from the visa requirement, provided their passports are valid for travel to India. Persons of non-Indian origin domiciled in South Africa are, however, required to obtain entry permits.

Transit visas are required even when a person holds a through ticket unless he does not wish to leave the airport or the ship. He can, however, leave the airport or ship by obtaining a landing permit.

The maximum period of stay on a tourist visa is 3 months, and on a transit visa 15 days.

For short visits not exceeding 2 weeks to Pakistan, Ceylon or Nepal return visas can be obtained from the Government.

Visas for India are, unless otherwise specified, valid for a single journey only.

2. All non-Commonwealth tourists arriving in India are required to get themselves registered at the port of arrival and obtain certificates of registration. They will be registered as "tourists" and will not be required to report their movements to the police or registration authorities during their stay in India.

3. The Government of India have placed no health restrictions on persons entering India by sea or air, except in regard to yellow fever.

However, all persons are advised, in their own interest, to be protected against small-pox and cholera according to international requirements.

4. All baggage is open to customs examination. The duty payable on most articles varies from 25 per cent to 75 per cent according to the article.

Personal effects are allowed to enter free. Also alcoholic liquor up to one quart, provided the tourist can procure a permit on arrival by producing his Tourist Introduction Card.

5. Tourists are allowed to bring into India any amount of Indian or foreign currency notes or coins except in the cases specified below.

Bank of England notes up to £10 per head; Straits dollar notes up to \$45 per head; Australian notes up to A£4 per head; Egyptian notes £20; Indian notes from Burma Rs. 100; Indian coins from Pakistan Rs. 5 in value; Indian coins from Afghanistan Re. 1 in value. There is no limit on the amount of Travellers' Cheques.

The official rates of exchange are as follows: £1 equal to Rs. 13-33; U.S. \$1 equal to Rs. 4-76. The actual buying and selling rates, however, differ slightly from these rates.

Foreign currency notes declared to the customs can be exchanged at any authorized dealer or money-changer.

6. Tourists are advised to arrange for clearing their baggage by one of the recognized travel agencies.

TRAVEL AGENCIES

Here is a list of recognized agencies: 1. American Express Co., Inc., Oriental Life Building, 304, Hornby Road, Bombay; 2. Balmer Lawrie & Co., Ltd., 21, Netaji Subhas Road, Calcutta; 3. Bharat Travel Service, Ltd., Vanguard House, 11 and 12, Second Line Beach, Madras 1; 4. Cox & Kings (Agents), Ltd., Lloyds Bank Building, Hornby Road, Post Box No. 398, Bombay 1; 5. George Waller & Co., 1, Netaji Subhas Road, Calcutta 1; 6. Govan Agencies, Ltd., Post Box No. 10, Scindia House, Connaught Circus, New

Delhi; 7. Grindlays Bank, Ltd., Post Box No. 93, Mint Road, Bombay 1; 8. International Carriers, Ltd., 32, Rampart Row, Bombay; 9. Iyer & Son, Ltd., Scindia House, Connaught Circus, New Delhi; 10. Jeena & Co., 10, Veer Nariman Road, Fort, Post Box No. 849, Bombay 1; 11. Lee & Muirhead (India), Ltd., 12, Rampart Row, Fort, Bombay; 12. Mercury Travels (India), Ltd., G.P.O. Box No. 925, 25, Netaji Subhas Road, Calcutta; 13. Orient Express Co., Ltd., Marina Hotel, New Delhi; 14. Ram Mohan & Co., Ltd., National Insurance Buildings 362, Netaji Subhas Road, Madras; 15. Thomas Cook & Son, Ltd., Hornby Road, Bombay 1; 16. Travel-Aids, 15, Barakhamba Road, New Delhi; 17. Trade Wings, 30, Rampart Row, Bombay; 18. Trade Wings, Ltd., 15, Old Court House Street, Calcutta; 19. Tukdas Khimlani, 46, Veer Nariman Road, Fort, Bombay; 20. Vensimal Bassarmal & Bros., Kalbadevi Road, Post Box No. 2112, Bombay 20; 21. Jamanalal Sons Ltd., Jehangir Wadia Building, Mahatma Gandhi Road, Fort, Bombay; 22. Shipping and Travel Agents Ltd., Botawala Chambers, Pheozeshahi Mehta Road, Fort, Bombay; 23. Raghunathmal Bank Ltd., Hyderabad.

Agencies which have their tourist offices in Bombay, Madras, Calcutta and Delhi are American Express, Thomas Cook, Grindlays, Cox & Kings, Trade Wings, International Carriers.

There are Government of India Regional Tourist Offices in Bombay, Delhi, Calcutta and Madras and Tourist Information Offices in Agra and Srinagar.

1. Ministry of Transport (Tourist Traffic Branch), New Delhi.

2. Regional Tourist Office, 123, Queen's Road Churchgate, Bombay.

3. Regional Tourist Office, Esplanade Mansions, 14-16, Government Place East, Calcutta.

4. Regional Tourist Office, 88, Queensway, New Delhi.

5. Regional Tourist Office, 19-A, Mount Road, Madras.

TOURIST CENTRES

Mount Abu (hill station) Pop. 4,316 (1941) In Bombay State, about 4,000 feet above sea-level. There are two seasons in the year, the first lasting about two and a half months from the middle of March to the beginning of June, and the second lasting about one and a half months from the middle of September to the end of October. *Places worth a visit:* 1. The Dilwara Jain temples (11th-13th century A.D.) containing the finest marble carvings in India. 2. Achalgarh temples (15th-16th Century A.D.) and Mandakini Kund. 3. Ruins of an ancient town called Chandravati. 4. Nakki Talao (lake). 5. Arbuda Devi, a shrine cut in rock. 6. Guru Shikhar (5,646 ft.), highest point in Abu. 7. Sunset point. 8. Palanpur point. 9. Gaumukh Temple and Agni Kund. 10. The Municipal Park. Mount Abu is electrified and has waterworks with public utility taps. The chief means of conveyance are rickshaws, taxis and buses. There are hotels, dak bungalows and inspection houses at Mount Abu. Permission is required to use the dak bungalows and inspection houses. Mount Abu is reached by railway and road. The nearest railway station is Abu Road on the metre-gauge section of the Western Railway from Ahmedabad to Delhi. From the station Abu Road is about 17½ miles by road, and there is regular motor service between the town and the station. Taxis can be hired from Mount Abu Motor Service, Abu Road.

Agra: Pop. 375,665 (1951), a town in U.P., stands on the banks of the River Jumuna. It was the capital of the Moghul Empire during the reigns of Babar, Akbar, Jehangir and Shah

Jehan. *Places worth a visit:* 1. the Taj Mahal, regarded by many as the most beautiful building in the world. 2. the Fort. 3. the Juma Masjid. 4. Moti Masjid. 5. the tomb of Itmad-ud-Daula. 6. Akbar's tomb at Sikandra, about five miles from Agra. 7. Dayal Bagh. 8. Twenty-three miles from Agra is the deserted city of Fatehpur Sikri founded by Akbar.

Agra, which has many railway stations, is on the main Bombay-Delhi and Calcutta-Delhi lines and is accessible by the Central or the Western or the Northern Railway.

Ahmedabad: In Bombay State, is an important textile centre. It contains numerous monuments of the fifteenth and sixteenth centuries. Pop. 788,333 (1951).

Aiholi: near Bagalkot in Bombay State contains about fifty temples important in the development of Hindu architecture and sculpture.

Ajanta Caves: are 66 miles north of Aurangabad in Hyderabad State. The rock-cut caves are 29 in number (5 chaityas or shrines and 24 viharas or monasteries, all Buddhist) and present a record of a unique combination of painting, sculpture and architecture of a period extending over nine centuries from about the 2nd Century B.C. to about 7th Century A.D. Three miles from the caves are a rest-house and a travellers' bungalow under the charge of the Director of Archaeology of the State. There is a curator's office next to the rest-house from which help and information can always be obtained. The caves can be reached from Aurangabad on the railway line between Dronachellam and Mannadi by the State Transport buses which regularly ply between Aurangabad station and the Ajanta caves.

Ajmer: city of considerable antiquity, Hindu and Muslim religious centre, contains Western Railway workshop. Pop. 196,633 (1951). *Places worth a visit:* 1. the Durgah of Khwaja Sahib (tomb of Muslim saint). 2. the Magazine (Akbar's old palace now museum). 3. Ana Sagar Lake (the marble pavilions round the lake were built by Shah Jehan). 4. Ashal-din-ka-jhouptra (Hut of two and a half days). 5. Taragarh Fortress (built by Akbar). 6. Mayo College. 7. Pushkar, the most sacred lake in India, is about seven miles away. The chief means of conveyance are buses, tongas and pao gharis. Ajmer lies on the metre-gauge section of the Western Railway line between Delhi and Ahmedabad. A line from Ajmer goes south to connect it with Khandwa on the Central Railway line between Delhi and Bombay.

Allahabad: city in U.P., situated at the confluence of the Ganga and the Jumuna. It has an old fort and also an Asoka pillar. Sixty-five miles from Allahabad is Kosumbi where the ruins of an ancient capital are being excavated. Pop. 332,295 (1951).

Alwar, Bikaner, Jodhpur, Kotah: famous for Rajput historical monuments.

Amritsar: town in the Punjab, sacred to the Sikhs. Pop. 325,747 (1951). Amritsar is the very centre of the Sikh religion and has a big trade in grain and textiles. *Places worth a visit:* 1. the Golden Temple standing in the Pool of Immortality. 2. Baba Atal Tower. 3. Akal Takht. 4. Ram Bagh Gardens, and 5. Fort Govind Garh. The chief means of conveyance in the city are hackney carriages. Fares are fixed. Amritsar is the Indian terminus of the frontier line from Delhi. It is on the Northern Railway.

Aurangabad: in Hyderabad, is noteworthy because of its proximity to Ellora and Ajanta caves and for handloom textiles. *Places worth a visit are:* 1. Bibi-ka-Mughara—the tomb of Aurangzeb's wife which is a replica of the famous Taj. 2. Panchakki (old water-mill). The shrine of Shah Musafir, a Muslim saint, lies near by. Pop. 66,636 (1951).

* In 1952 about 25,450 foreign tourists visited India; and the country earned about Rs. 45 lakhs... When the population of a town is not given it may be generally assumed that it is less than 20,000.

Badami: in Bombay State, is famous for sculptured caves of the 6th century and for a group of Hindu temples. Fifteen miles from Badami is Pattadakal with another group of early Hindu temples (7th or 8th century) examples of pure Dravidian architecture.

Bangalore: Largest city in Mysore and a health resort is about 3,000 feet above sea-level. It is well laid-out and up-to-date with every urban facility. *Places worth a visit:* 1. Cubbon Park, 2. Lal Bagh, 3. Band-stand, 4. Race Course, 5. Maharaja's Palace, 6. Tipu's Palace, 7. Venkatarmanaswamy Temple. The chief means of conveyance are rickshaws, juthas, buses and taxis. Pop. 778,977 (1951).

Baroda: Capital town of the former Baroda State, now part of Bombay State, is about 250 miles to the north of Bombay, modern, pop. 211,497 (1951). *Places worth a visit:* 1. Laxmi Vilas Palace (the residence of the Maharaja, one of the most beautiful palaces in India), 2. Old Nazar Bagh Palace, 3. Museum and Public Park, 4. Jubilee Garden, 5. L. F. Battery, and 6. the city walls. The chief means of conveyance are tongas, buses, taxis. Baroda lies on the main line of the Western Railway between Bombay and Delhi and Bombay and Ahmedabad.

Belur: in Mysore State, noted for its elaborately sculptured temples of the Hoysala period.

Banaras: town in U.P. on the banks of the Ganges, very sacred to the Hindus. It is in fact the religious capital of Hindu India and contains about 1,500 comparatively large temples besides countless minor shrines. It is also reputed to be the oldest city in the country. Pop. 357,175 (1951). *Places worth a visit:* 1. Vishwanath Temple, 2. Bharat Mata Temple, 3. Man-mandir, with Jaisingh's Observatory, 4. Aurangzeb's Mosque, 5. Gyan Wapi Mosque, 6. Nandeeswar Kothli, 7. Ramnagar Fort, 8. Madaoin Garden, 9. Victoria Gardens, 10. Benares Hindu University, and 11. Sarnath, a great Buddhist centre with many architectural remains, is about six miles from Banaras. The chief means of conveyance are taxis and tongas.

There are also about 30 dharmasalas for Hindu pilgrims. Banaras is on the branch line from Moghul Sarai to Saharanpur. It is also connected with the major towns of India by railway. Pop. 355,777 (1951).

Bharatpur: town in Rajasthan is famous for its historic fort. Pop. 37,321 (1951).

Bhuvaneshwar: is to be the new capital of Orissa, is a city of temples once said to number 7,000. *Places worth a visit:* 1. Lingaraj Temple, visitors are not allowed inside the compound but have to see it from a platform, 2. Mukteswar Temple, 3. Parasurameswar Temple, 4. Raj Rani Temple. Nearby are the Jain and Buddhist rock-cut caves of Khindigiri and Udaygiri and Asoka's Rock Edict at Bhauli. There is a Dak Bungalow where visitors can stay with the District Board's permission. Bhuvaneshwar is on the main E. R. line between Waltair and Howrah, about 20 miles from Cuttack and 38 miles from Puri.

Bijapur: town in Bombay State, capital of the old Muslim kingdom of Bijapur is full of the remains of palaces, mosques, tombs of the rule of the Adil Shahi kings. *Places worth a visit:* 1. Jamil Masjid (the greatest mosque in South India), 2. Gol Gumbaz (the tomb of Muhammad Adil Shah and the second largest dome in the world), also called the Whispering Gallery, 3. Methar Mahal, 4. Ashar Mahal, 5. Gagan Mahal, 6. Chini Mahal, 7. Mecca Masjid, 8. Taj-Baury (water-tank), 9. Malik-i-Maldan, (Great Gun), 10. Landi-Kasab Gun, 11. Haldar Burj (tower), 12. Ibrahim Roza (the tomb and mosque of Ibrahim II), 13. Jala Mandir (reservoir), 14. Chand Bauri (old tank), 15. Granary, 16. Jod Gombaz (double tomb), 17. Bara Kaman Masjid, and 18. Begum Tank. The chief means of conveyance are taxis, lorries, tongas and bullock-carts. Bijapur is a railway station on the Gadag-Sholapur section of the Southern Railway. There are a dharmasala and a travellers' bungalow about one and a half miles from the station. Pop. 65,734 (1951).

Bombay: second city and port in India generally called the Gateway to India, is big, western, modern. Pop.: 2,839,270; Area (Greater Bombay) 111 sq. miles. It is the principal centre of the textile industry, and the second biggest financial centre. The foreign trade of Bombay is about 30 per cent of the total trade of India. The city returns 25 per cent of the country's total income-tax, and 40 per cent of the corporation tax. It is a big communications centre, served by seventeen airlines and two big railways of both of which it is a terminus. May and October are the hottest months, but from November to March it is pleasant. *Places worth a visit:* 1. the Gateway of India, 2. Apollo Bunder, 3. Prince of Wales Museum, 4. the Town Hall, 5. Bombay Castle, 6. Rajabai Tower and University Building, 7. Victoria Terminus of the Central Railway, 8. the General Post Office, 9. Crawford Market, 10. Brabourne Stadium, 11. Chowpatty sands, 12. Malabar Hill and Hanging Gardens and Kamla Nehru Park, 13. Central Station, Terminus of the Western Railway, 14. Race Course, 15. Bhandarwadi Reservoir and Gardens, 16. Victoria Gardens. Places near about Bombay which are worth a visit are: 1. Juhu (sea-side resort), 2. Versova (sea-side resort), 3. Vihar Lake (from which the city gets its water-supply), 4. Kanheri Caves (rock-cut caves of Buddhist origin), 5. Jogeshwari Caves, 6. Vajreshwari (temple and hot springs of medicinal property), 7. Mandapeshwar (cave temple), 8. Nirmal (temple and lake), 9. Ambarnath (temple), 10. Uran (port, with private garden and zoo), 11. Pali (hot springs and small game shooting), 12. Elephanta Caves (Brahmanical Caves). The chief means of conveyance in Bombay are trams, buses, electric railway, taxis and tongas.

Brindavan: holy place of Hindus, about six miles from Mathura in U.P. It is sacred because of its association with the birth and early life of the Hindu God Shri Krishna. *Places worth a visit:* 1. Govind Dev Temple, 2. Gopinath Temple, 3. Ranganath Mandir.

There are travellers' bungalows. Brindavan is accessible by railway or road from Mathura.

Budh Gaya: in Bihar, a Buddhist centre of pilgrimage. It contains the famous medieval Buddhist temple near the Bodhi Tree under which Gautama did penance and attained Enlightenment. Pop. 133,700 (1951).

Bundi: in Rajasthan is well-known for its buildings. Jungles nearby provide plenty of tiger shooting. Pop. 22,697 (1951).

Calcutta: until March, 1912, the headquarters of the Indian Government, and now, as then, the commercial capital of India. It is the terminus of two great railways, and the port of an immense river traffic. Though it lies 84 miles from the Bay of Bengal on the River Hooghly, it has a larger foreign trade than any other Indian port, and its enterprising Port Trust has the largest revenue among Indian port authorities. It is the centre of five great industries—jute, tea, hides and skins, coal and lac. Its exports include gunny bags, raw jute, tea, shellac, coal, hides and skins, rice and linseed, while it is the chief distributing centre for Lancashire piece-goods, metals and machinery, and the vast and varied requirements of the States of West Bengal, East Bengal (Pakistan), Bihar and Orissa and the ten districts. Population of West Bengal is 24,810,308 and of Greater Calcutta 4,578,071. *Places worth a visit:* 1. Victoria Memorial (contains picture-gallery and museum), 2. the Indian Museum, 3. the Zoological Gardens, 4. the Jain Temple, 5. the Kalighat Temple, 6. Belvedere House (where the British Viceroy stayed when on visit to Calcutta), now being turned into a museum, 7. Raj Bhavan (residence of the Governor of West Bengal), 8. Marble Palace (containing art treasures property of the Mullik family), 9. Fort William, 10. the Eden Gardens, 11. the Town Hall, 12. the National Library, 13. Dalhousie Square, 14. the Race Course, 15. Dhakuria Lake, 16. the Hindu bathing ghata, 17. Dakshineswar Temple. Places near about Calcutta which are worth a visit are:

1. Bally (holy place), 2. Belur (home of the Ramakrishna Mission), 3. the Botanical Gardens (contains the biggest banyan tree in existence), 4. Diamond Harbour (fort and customs house), 5. Dum Dum (airport of Calcutta).

Cape Comorin: also called Kanya Kumari in Travancore-Cochin, is the southern-most tip of India.

Conjeevaram (Kanchipuram): also called the city of temples, the Banaras of the South, is about 45 miles to the south of Madras. It is one of the seven holy cities of India and the only one in the South. The place is divided into three parts, Shiva Conjeevaram (containing Shiva temples), Vishnu Conjeevaram (containing a smaller number of Vishnu temples) and Pillayar Pallyam, a testimony to the part played by all the main Hindu religious sects in the history of the city. There are over a thousand temples in all. *Places worth a visit:* 1. Kallanath Temple (over 1,000 years old), 2. Vaikunth Perumal Temple (over 1,000 years old), 3. Ekambareswar Temple (400 years old), 4. Vedaraja Perumal Temple. Pop. 84,810 (1951).

Conjeevaram is on the Renigunta-Chinglepet section of the Southern Railway and is easily accessible from Madras via Chinglepet.

Cooch-Bihar: in north-east India, is known for the facilities and opportunities which it offers to shikaris in search of big game hunting. Pop. 33,242 (1951).

Coochoor: hill station on the Nilgiri Hills in Madras State, is about 6,000 feet above sea-level. The climate is mild and genial neither too hot in the summer nor too cold in the winter. The mean day temperature is 64 degrees. The north-east monsoon breaks in October and lasts about two months. The town has good water-supply and natural drainage facilities and is reputed to be one of the cleanest towns in South India. *Places worth a visit:* 1. Sim's Park (contains collection of plants), 2. Low's Waterfall, 3. Tiger Rock (hill fort). There are innumerable places for excursion and picnic purposes, e.g. the Droog, the Dolfin Nose, the Lamb's Rock, Laz Falls, Lady Canning Seat, the Ralliah Dam and Catherine Falls. The chief means of conveyance are cars which can be hired.

Coochoor lies on the Mettupalayam-Ootacamund line of the Southern Railway. It is also connected by road with Ootacamund, and Kotagiri, another hill station. Pop. 23,902 (1951).

Darjeeling: hill station and summer capital of the West Bengal Government lies on the lower slopes of the Himalayas about 370 miles to the north of Calcutta. It is 7,110 feet above sea-level. The maximum temperature in the summer is about 70 degrees and the minimum in the winter is about 35. The town commands picturesque views including that of Mount Kanchenjunga and on a clear day of Mount Everest. Various sports are available during the season such as fishing, shooting, horse-riding and a number of other indoor and outdoor sports. Darjeeling has also a first-class sanatorium known as Eden Sanatorium. *Places worth a visit:* 1. Government House, 2. Town Hall, 3. Museum, 4. Observatory Hill (from where a magnificent view of Kanchenjunga can be obtained), 5. the Mall, 6. Natural History Botanical Gardens, 7. Birch Hill Park, 8. Senchal Lakes, 9. Ghoom Monastery, 10. Tiger Hill (from where the sunrise over Everest is generally viewed).

The chief means of conveyance are rickshaws, ponies and dandies. Darjeeling is the terminus of the Darjeeling-Himalayan section of the N. E. Railway, is about 27 hours' journey from Calcutta. From Nilgiri where the visitor has to change, Darjeeling can also be reached by car or Rail Motor which is quicker than travelling by the mountain railway. Pop. 33,606 (1951).

Daulatabad: in Hyderabad State contains the famous rock-hewn 12th century fortress at one time so prosperous that it led Bin Tuglak to shift his capital to it from Delhi (1308). Close by is the tomb of the Moghul Emperor Aurangzeb.

Delhi (New): the capital of India and the seat of the Government. It was planned in accordance with modern ideas by the architects Sir Edwin Lutyens and Sir Herbert Baker and was formally opened in 1931. New Delhi houses the President's House (now called Rashtrapati Bhavan), the Parliament, and the Secretariat. All the buildings in New Delhi are white except the ones mentioned above. These latter are built of red sandstone. Pop. 276,314 (1951).

Delhi (Old): also called Shahjahanabad, the ancient capital of India stands on the river Jumna, and is enclosed by a stone wall with seven gates. It has a history going back to 3,000 years and within an area of 60 square miles eight Delhis rose and declined and fell. The seven predecessors of present-day Delhi are Kutub, Siri, Tuglakabad, Jahanabad, Firozabad, Purana Qilla and Shahjahanabad. No city in India contains as many historical remains as Old Delhi. One can trace here the growth and decay of almost every dynasty which held sway over the ancient land of Hindustan. There are also a number of factories and jewellery and gold and silver embroidery and ivory carvings works for which Delhi is well-known. Pop. 911,700 (1951). Delhi is a great distributing centre for cotton, wool and silk. Industries include hardware, utensils and stoneware. Delhi is also a large market for grain. Lately tourist traffic has grown into a regular new trade. *Places worth a visit:* Red Fort, Jama Masjid, Chandni Chowk, Rajghat Samadhi, Ashoka's Pillars, Feroze Shah Kotla, Purana Qilla, Humayun's Tomb, Isa Khan's Tomb, Lodhi Park and Lodhi Tombs, Safdar Jang's Tomb, Hauz Khas, Kutab Minar, Tughlaqabad, India Gate or War Memorial Arch, Rashtrapati Bhavan, Parliament House, National Museum, Shri Lakshmi Narayan Temple, Jantar Mantar or the Observatory, Musums.

The means of conveyance are tongas, buses, taxis, and trains (last in old Delhi only).

Delhi is directly connected by rail and air with Bombay, Calcutta and Madras. The Central and Western Railways connect it with Bombay, the Northern and Eastern Railways connect it with Calcutta, and the Southern and Central Railways together connect it with Madras.

Delhi also lies on the direct East-West trans-world air routes linking India with all the major cities of the world.

Ellora Caves: are situated about 15 miles to the north-west of Aurangabad in Hyderabad State. The caves which are excavated in the face of a hill are 34 in number and run north to south for a distance of a mile and a quarter. The hill has the shape of a crescent the southern, the centre, and the northern being occupied respectively by Buddhist, Hindu and Jain temples. There are 12 Buddhist caves, 17 Hindu caves and 5 Jain caves. The Hindu caves are more lavishly decorated than others and Kallash Temple which is the most famous of the caves is also the biggest cave temple in India. It stands in a court averaging 154 feet wide, 276 feet long with a scarp 107 feet high at the back. Among other notable caves are caves X, XII, XIV, XV, XXIX, XXXIII, XXXIV. It is believed that the Ellora Caves are about a thousand years old. They are reached from Aurangabad by bus or car.

Ernakulam: in Travancore Cochin, is famous for its backwaters fringed by Hindu, Muslim, Christian and Jewish settlements. Pop. 62,283 (1951).

Fatehpur Sikri: founded by Akbar in 1569 but now a dead forsaken city, is situated 23 miles from Agra. Akbar wished to make it his capital but it had to be abandoned because of lack of water. Here Akbar's son Salim who later became the Emperor Jehangir was born. The place contains a number of palaces, shrines, mosques built of marble and red sandstone. *The more notable among the monuments are:* 1. Buland Darwaja, the Gateway of Victory, built to commemorate the conquest of Khandesh. It is 176 feet high and is the highest gateway in India. It forms the southern gateway to the most imposing

structure in Fatehpur Sikri, 2. the Jami Masjid, said to be a copy of the mosque at Mecca or Medina. Then there are 3. Panch Mahal, 4. Diwan-i-Khas (Hall of Private Audience), 5. Mariam's House, 6. Palace of Jodh Bai, 7. House of Birbal, 8. Elephant Tower and 9. Khas Mahal. Fatehpur Sikri has a railway station, and the ruins can also be easily reached by car. There is a dak bungalow where visitors can get meals by previous arrangement.

Golconda: 5 miles from Hyderabad is an ancient spectacular fort.

Gopalpur-on-Sea: in Orissa is a sea-side resort for a quiet holiday.

Gulmarg: an ideal hill station about twenty-nine miles from Srinagar, is a little less than 9,000 feet above sea-level. The place boasts of all modern facilities and is particularly noted as a winter play ground affording scope for skating, ski-ing, tobogganning, and golf. Round about are ideal places for walks, rides and excursions.

Gwalior: one of the two capital towns of Madhya Bharat, best known for its fort (which is reputed to be the most interesting and remarkable example of a Hindu palace of an early age) lies about 200 miles to the south of Delhi. *Places worth a visit:* 1. Gwalior fort (includes Man Singh's Palace and a number of temples and shrines), 2. Tansen's Tomb, 3. Rani Laxmi Bai's Chhatra, 4. the Chhatris of other Mahratta rulers, 5. Tomb of Mahomed Ghaus, 6. Jami Masjid, 7. State Museum, 8. King George Park and Zoo, 9. Gwalior Pottery Works. Seventy-two miles from Gwalior is Shivpuri or Sipri famous for its lake and scenery. Survaya which is twelve miles again from Shivpuri contains the remains of a fortress of the early mediaeval period. The chief means of conveyance are tongas and buses. There are two dharmasalas open only to Hindus but at Dufferin Sarai opposite the station rooms are available for rent. Gwalior is on the main Central Railway line between Bombay and Delhi. Pop. 241,577 (1951).

Halebid: in Mysore, is well known for its elaborately sculptured temples of the Hoysala period.

Hampi: in Mysore State, is the ruined capital of the Vijayanagar Empire. It is 8 miles from the Hospet Railway Station on the Southern Railway. The ruins are about 600 years old and are described as "virtually a vast open air museum of Hindu monuments in the Dravidian style of architecture".

Hardwar: in U.P. on the Inner Himalayas is a great Hindu pilgrim centre.

Imphal: north-east frontier town and capital of Manipur. It is celebrated for the Manipur dance and handloom products.

Jabalpur: in Madhya Pradesh; fourteen miles from Jabalpur are the marble rocks. Pop. 256,998 (1951).

Jaipur: provisional capital of Rajasthan Union, is a well laid-out modern city. It is famous all over India for the beauty of its art and the skill of its artisans. Jaipur pottery, brass ware, stone carving, ivory and sandalwood work and jewellery have enjoyed a great reputation from ancient times. Pop. 291,130 (1951). *Places worth a visit:* 1. Maharaja's Palace, 2. Jai Singh's Observatory, 3. the ruins of Amber (ancient capital), 4. the Hawa Mahal, 5. the Palace Armoury, 6. Cenotaphs of the Queens, 7. Galta (place of pilgrimage) and Ghat, 8. School of Arts, 9. Public Library, 10. Transport Gardens, 11. Museum. The chief means of transport are tongas, ekkas, phaetons, taxis, buses and palgharis.

Jaipur is on the metre-gauge line of the Western Railway between Ahmedabad and Delhi.

Jamshedpur: in Bihar, famous as India's 'steel town'. Pop. 218,162 (1951).

Jog Falls: in Mysore State, are one of the highest waterfalls in the world.

Junagadh: in Saurashtra, is situated below the celebrated Girnar Hill and is one of the most ancient cities in India. The temples on the hill

are noted for their architecture and delicate painting. On the way to Girnar is a rock with an Asoka edict. Pop. 62,730 (1951).

In Junagadh is the famous Gir Forest—the only place in Asia where lions are found.

Kangra Valley: famous for its magnificent landscapes and historic temples, lies in the Punjab. Semi-urban hill stations are Kangra and Dharamsala. *Places worth a visit in Dharamsala are:* 1. Bhagsunath Water Springs, 2. State Quarries, 3. Himalayan Snow View. The chief means of conveyance are cars and buses. There is also a dak bungalow at Dharamsala where visitors can stay. To get to the Kangra Valley a visitor has to change at Pathankot into the narrow-gauge railway which runs to Nagrota. Dharamsala can also be reached from Pathankot by car.

Kanheri: in Bombay State, is famous for Buddhist caves of different dates beginning with the 1st century A.D. It is about twenty miles from Bombay.

Kashmir: unsurpassed for the beauty of its mountains, lakes and valleys is this province of the State of Jammu and Kashmir, situated in the far north of India, 5,000 ft. above sea-level. Srinagar, the capital of the State is famous for its shawls and carpets and the exquisite beauty of its wood-work and papier-mache articles. Its fruit and vegetables are equally well-known. Well-furnished, luxurious house-boats moored along the river Jhelum or in the Dal Lake provide all necessary comforts amidst gorgeous natural surroundings. The normal recreations include trips on lakes, shrikaras, mountain climbing, big and small game, golf, fishing and swimming. Gulmarg, Sonamarg and Pahalgam are favourite holiday resorts in the neighbouring mountains and can be reached by motorable road. The way to Srinagar is from Pathankot, which is a railway terminus. From Pathankot one goes to Srinagar by road passing Jammu on the way. There is a regular air service from Delhi to Srinagar, and a shuttle non-scheduled air service from Pathankot to Srinagar during the tourist season. The chief means of conveyance are boats, tongas, cars or buses. *Places worth a visit:* 1. The Moghul Gardens, like a. Shalimar, b. Chashama, c. Achabal, d. Shahi and e. Nishat, 2. The lakes like a. Dal Lake, b. Wular Lake, c. Anchar Lake, d. Manasbal Lake and so on. 3. Places of historical and religious interest like a. Martand temple, b. Pandranath temple, c. Bhaumazu caves, d. Avantika Pura and e. Pari Mahal.

Khajuraho: is famous for its group of highly ornate mediaeval temples.

Kodalkanal: famous hill station on the Paim Hills in South India. It is about 7,000 feet above sea-level and is neither too hot nor too cold. The average annual rainfall is 65 inches, the major part of the rain falling in October, November and December. The months of April, May and June constitute the 'season'. The town enjoys excellent water-supply and is also well-equipped with all the ordinary amenities of life. The place affords plenty of scope for such recreations as walking, hiking, boating, fishing, hill climbing and golf. Going on an excursion or picnic is yet another way of diverting oneself. For the more adventurous there is big game hunting. Kodalkanal is the delight of the gardener and plants are in bloom all the year round. *Places worth a visit:* 1. the lake skirted by a three-mile road, 2. the water falls like a. Fairy Falls, b. Silver Cascades, c. Bear Shola Falls, d. Glen Falls, e. Pamber Falls, 3. There are view points like a. Coaker's Walk, b. Pillar Rocks, c. Prospect Point, d. Vembadi Shola Peak, e. Dolphin's Nose. Then 4. the Solar Observatory.

There are a number of boarding houses, and fully furnished flats can also be rented. Kodalkanal is reached from Kodalkanal railway junction on the Southern Railway via Tiruchirappalli. Kodalkanal town is 50 miles from the railway station and the journey can be done by car, taxi or bus on a very good motoring road.

Kanarak or Konark: place in Orissa, famous as the site of the Temple of the Sun God otherwise called Black Pagoda. It is remarkable both as an example of ancient Indian architecture and sculpture and of engineering skill. A great part of the temple is destroyed but the porch stands with the huge figures of warriors and life-sized pieces of horses and elephants and the famous carved wheels at the basement. The image of the sun in the yard of Puri Temple is generally supposed to have come from Kanarak. Kanarak is about 50 miles from Puri by bus or taxi, 40 miles from Bhuvaneswar by bus or taxi. The road is open from November to May.

Kolar: in Mysore, is the site of the famous gold fields. Pop. 159,084 (1951).

Kotagiri: hill station on the Nilgiris, higher than Coonoor, but lower than Ootacamund is smaller and quieter than either. It is about 6,500 feet above sea-level and has a mean day temperature of 62 degrees. The town has electricity, a number of shops and boarding houses, a local board hospital and golf course. Kotagiri is reached from Coonoor or Ootacamund by car or bus. The roads are excellent and there is regular bus service. Between Kotagiri and Ootacamund the road goes over Doddabetta the highest peak in the Nilgiri Hills.

Kulu Valley: well-known for the variety of its scenery and places of historical interest is situated in the Punjab, north of Simla. It is ideal for hiking and trout fishing. The important part of the valley from the tourist's point of view is the road which runs from Pathankot or Nagrota to the railheads into the valley. A few miles beyond Pathankot the road passes through the rich cultivation of the Kangra Valley and the extensive tea gardens surrounding Palampur and Baijnath. The traveller has a view of the majestic snow-capped mountains of the Dhaul Dhar range standing out in bold relief against the sky-line. He also comes across the ancient temples of Baijnath. Beyond Aut after Mandi the valley opens out and the final stretch through the lovely Kulu Valley mainly along the left bank of the river Beas offers an entirely different type of scenic effect. The Kulu Valley is also called the 'Valley of the Gods' as in addition to several important deities like Raghunathi at Sultampur and Jamli of Mahana every village has its own particular God. The best season is from March to May and September to November. The summer is never uncomfortably hot. The main centres of the Kulu Valley are: 1. Kulu or Sultampur, the principal town, about 4,000 feet above sea-level. It is the main shopping centre and has a dak bungalow, and a number of rest-houses. 2. Raison, 8 miles from Sultampur and 4,700 feet above sea-level. The available sports are golf, tennis and swimming. Mayflower and the Shacks are two hotels. 3. Katrain, is in the widest part of the Valley, 12 miles from Sultampur and 4,800 feet above sea-level. 4. Naggar, summer headquarters, is 5,800 feet above sea-level. There is a departmental rest-house and a serai. 5. Manali, the head of the valley and terminus of the motor road, is 23 miles from Sultampur and is situated amid typical alpine scenery. Accommodation for visitors is available at Sunshine Orchards, Departmental rest houses and Mission Hospital. Except Manali, the road to which may be occasionally closed owing to snow-fall the rest of the valley is open throughout the year. Pathankot is the rail-head for Kulu. From Pathankot Kulu is reached by bus or car, or from Pathankot to Nagrota by metre-gauge railway and from there by bus to Kulu.

Kumaon Hills: in U.P. form part of the Himalayas and are known as the sportsman's paradise. Two important summer resorts are Nainital and Ranikhet. Most mountaineering parties establish their base at Ranikhet.

Tiger shooting is available in the Terai and Bhabhar Forests in the Kumaon region.

Lansdowne: in U.P. in Garhwal about half way between Mussoorie and Nainital.

Lonavla: in Bombay State, lies in the heart of the Western Ghats and is known for the Karla Caves—6 miles from Lonavla by car.

Lucknow: the city of gardens is the capital of U.P. It is full of places of historical interest and of architectural beauty and is generally regarded as the cultural capital of Moghul India. It is well-known for its pottery, copper and brass ware, wood and ivory carvings and gold and silver embroidery on cloth. Legend connects the founding of the city with Laxmana, the brother of Rama, the mythical hero of the Hindus, and is sometimes called Laxmanpur. Pop. 496,861 (1951). The chief means of conveyance are tongas, ekkas, phaetons and taxis. *Places worth a visit:* 1. Great Imambara, 2. Small Imambara, 3. Tombs of Wajid Ali Shah and his Begum, 4. Kaiser Bagh Palace, 5. Chattr Manzil, 6. Dilkhusha Palace, 7. Moti Mahal, 8. Machi Bhawan Palace, 9. Juma Masjid, 10. Charbagh, 11. Alambari, 12. Sikander Bagh, 13. Musa Bagh, 14. Wingfield Park, 15. Residency, 16. Hawdock's Tomb, 17. Clock Tower, 18. Museum, 19. Observatory, 20. Iron Bridge. Lucknow is a big junction on the Northern Railway.

Madras: the third largest city in the sub-continent and the capital of Madras State. It is the place where the English first settled to trade. Pop. 1,116,956 (1951 census). The chief means of conveyance are rickshaws, jukkas, horse carriages, taxis, buses and trams. *Places worth a visit:* 1. Fort St. George (contains the oldest Protestant church in the country where Clive was married), 2. High Court, 3. Light House, from the top of which one can get a panoramic view of the city, 4. Marina. The Marina is one of the most beautiful promenades in the world; sea-bathing is possible at certain points. 5. The Museum, 6. Connemara Library, 7. The Zoo, 8. The Observatory, 9. Moore Market, 10. Parthasarathy Temple, 11. Mylapore Tank and Kapaleswar Temple, 12. St. George's Cathedral, 13. St. Thomas Mount, 14. Race Course, 15. Buckingham and Carnatic Mill, 16. Madras Pencil Factory and 17. Adyar, where the headquarters of the Theosophical Society are located. There are two places round about Madras which are also worth a visit: 1. the ruins of the Ginge Fort famous in the days of the Vijayanagar Empire are about 95 miles from Madras and can be reached by rail and road, 2. The seven Pagodas of Mahabalipuram are 34 miles by road from Madras and can also be reached by road from Chinglepet Railway Junction. Kalakshetra is a well-known institution for music, dance and drama at Adyar.

Madurai: the second biggest city in Madras State is a great religious centre, containing as it does a number of famous temples. In the old days it was the capital of the Pandya kingdom and has always been a seat of Hindu culture particularly Hindu architecture. The silk-weaving and textile industries of Madurai are also noteworthy. *Places worth a visit:* 1. The Great Temple, actually made up of two temples one of Meenakshi and the other of Shiva. Adjoining the temple are a. Nandi Hall, b. temple of the Saints, c. the Jewel House, d. the Stable Houses. Then there is 2. Trimal Nayak's Palace. Pop. 361,781 (1951).

Mahabaleshwar: a hill station in Bombay State, the season being April and May. It is 4,500 feet above sea-level and is noted for its bracing climate. It is also well-known for its fruit and vegetables, orchids and lilies which bloom in April and May. The chief recreations are hiking and driving in a car. Among the sports which are available are tennis, golf and polo. *Places worth a visit:* 1. The two Government Houses old and new, 2. Reay Garden and 3. the two temples Krishna and Mahabaleshwar. Then there are a number of points from which magnificent views can be obtained, like Arthur Seat Point, Baghdad Point, Castle Rock, Carnac Point, Connaught Point, Falkland Point, Elphinstone Point, Margery and Lardwick Point and Bombay Point. Then there are the waterfalls like Chinaman's Waterfall, Dhoobi Waterfall, Lingnada Waterfall and a lake called Yenna Lake. The places of historical interest are all connected with the name of the Maratha leader Shivaji such as

Kamalgarh Fort, Makrandgarh Fort, Pandavgarh Fort, Pratapgarh Fort and Ralgah Fort. Near Pratapgarh are the Bhavani Temple and the tomb of Afzulkhan. All these places are accessible by road from Mahabaleshwar.

Mahabaleshwar: can be reached from Poona both by road and railway. By railway one can go as far as Wathar Station from where Mahabaleshwar is only about half-an-hour's journey by road.

Mandu: in Madhya Bharat is one of the greatest mediæval city sites in India with extensive remains including fortifications and palaces. Seventy-eight miles west of Mandu by road via Dhar is Bagh which has a large number of caves adorned with fine old frescoes.

Matheran: the nearest hill station to Bombay is 2,650 feet above sea-level, and is famous for the magnificent views which it yields. The town looks on to the sea, and the coastal plain lies imperceptibly until it reaches the steep ascent of the Ghats. In his walk round the eighteen-mile circumference of the hill the visitor can reach no fewer than thirty-three points of which the following deserve mention: 1. Garbut Point, 2. Panorama Point, 3. Porcupine Point, 4. Louisa Point, 5. Chowk Point, 6. Alexandra Point, 7. Belvedere Point, 8. Echo Point, 9. Monkey Point. At every one of these points the visitor will find comfortable seats, shady trees and fine views. Among other places which are worth a visit are: 1. Charlotte Lake, 2. Paymaster Park, 3. Band-stand, 4. Castle Hill Tower, 5. Race Course. The chief recreations are walking and riding. Rickshaws, muntchies and horses are the chief means of conveyance.

Matheran is reached from Neral Station on the main line between Bombay and Poona. From Neral there is a light railway to Matheran which is about one-and-a-half-hour's journey. Alternatively one can do the journey by rickshaw or pony by previous engagement at Matheran.

Mathura: in U.P. is an important place of pilgrimage for Hindus, because of its associations with Shri Krishna. It has also an archaeological museum. Six miles from Mathura is Brindavan. Pop. 98,552 (1951).

Mussoorie: hill station in U.P. lies 18 miles to the north of Dehra Dun. It is 6,580 feet above sea-level. The town has excellent water-supply, electric lighting system, hospitals, nursing homes and some of the best schools in India both for boys and girls. There are also plenty of sports and amusements. And like every Himalayan hill station one can obtain magnificent views of mountain tops and green river valleys. Hiking and going on excursion or picnic are among the main recreations. The means of conveyance are rickshaws, ponies, dandies, buses and cars. *Places worth a visit:* 1. The falls like a. Bhatta Falls, b. Kamptoe Falls, c. Hearsay Falls, d. Mossy Falls, 2. Wimper's Tank, 3. Band-stand. Mussoorie is reached from Dehra Dun by car or bus and is about two hours' journey.

Mysore (State): commemorates the destruction of Mahishasur, the demon by Chamundi who is the tutelary goddess of the royal family of Mysore. Mysore is a picturesque land of forest and mountain presenting the most diversified and beautiful scenery. In the southern forests are found wild elephants for the capture of which khedda operations are undertaken from time to time. Tigers, leopards, bears and lions are also numerous. *Places worth a visit in Mysore State:* 1. The Chenna Kesava Temple at Belur, 24 miles from Hasan, 2. Sivasamudram Falls on the Cauvery River, 3. Hoyasaleswara Temple at Halebidu, 4. Gersoppa Falls also called the Jog Falls on the Shiratti River, the most famous beauty spot in Mysore. The falls are higher than Niagara, 5. Kolar Gold Fields, the biggest in India worked by electric power, 6. Nandidurg, a hill station near Bangalore, and the summer residence of Tippu Sultan, 7. Srirangapatnam of historical and religious interest as the capital of Tippu and as the city of many temples, 8. Shravanabelgola, the great Jain religious centre with the huge statue of Gomateshwara and of course the city of Bangalore and the town of Mysore.

Mysore (City): the capital of the State, is built in accordance with modern standards, and contains a number of beautiful public buildings. It attracts great crowds twice a year when the city wears a gala appearance. These two occasions are the Maharaja's birthday and the Dasarah. *Places worth a visit:* 1. The various palaces (and also stables) like the Maharaja's Palace, Jagannathan Palace and so on, 2. Chamundi Hill, with the Bull and the Temple, 3. Zoological Gardens, 4. Silk Factory, 5. Sandalwood Factory, 6. Krishnarajasagar Dam and the Brindavan Gardens, among the most beautiful in the world, about 12 miles from Mysore. The chief means of conveyance are juktas, coaches, and taxis. Mysore is one of the termini of the Southern Railway. Pop. 211,323 (1951).

Naini Tal: hill station and summer capital of the U. P. Government, is about 6,350 feet above sea-level. Among the principal recreations are hiking, boating and yatching on the lake around which the town stands, and fishing and riding. One can also enjoy the Himalayan mountain scenery. *Places worth a visit:* 1. Cheena Peak, 2. Land's End, 3. Lariya Kanta Peak, 4. Sher-ka-Danda Peak, 5. Tiffin Top or Dorothy Seat, 6. Camel's Peak or Deopatta Peak. Naini Tal is reached from Kathgodam railway station which is connected with Bareilly and Mathura. From Kathgodam one goes by bus or car to Naini Tal which is 22 miles away.

Nalanda: in Bihar contains a group of ruined Buddhist temples and monasteries and a small local museum. It was the seat of an ancient Buddhist university.

Nasik: in Bombay State, is a place of pilgrimage for Hindus and is famous for Buddhist rock-cut temples of the first century B.C. and later. Pop. 97,042 (1951).

Ootacamund: hill station and summer capital of Madras State, stands 7,500 feet above sea-level on the Nilgiris. It is sometimes called 'the Queen of the hill stations.' One of the main features which distinguishes it from other hill stations is the number and length of motorable roads which go winding in and out of spacious parks or long stretches of turf studded with ornamental trees. The mean temperature for the year is 57.33°; during the winter the thermometer touches freezing point. Ootacamund is called the sportsman's paradise, plenty of fishing and big game shooting being available. There is also golf and tennis and during the season races and tournaments are held. *Places worth a visit:* 1. Botanical Gardens, 2. Race Course, 3. Assembly Room, 4. Dodd's Betta, the highest peak in the Nilgiris, and 5. Pykara Hydro-Electric Dam which is about 18 miles from Ootacamund. The chief means of conveyance are juktas, rickshaws and taxis. Ootacamund is the terminus of the Nilgiri Mountain Railway. Pop. 41,370 (1951).

Pachmarhi: hill station and summer capital of Madhya Pradesh lies on the Mahadeo hills of the Satpura Range and is about 3,500 feet above sea-level. There are about 20 golf links in the town and plenty of game is also available in the Pipariya forest. *Places worth a visit:* 1. Bee Dam, 2. Mahadeo Caves, 3. Dhuggarh, highest point in the Satpuras, 4. Dorothy Deep Falls, 5. Duchess Falls, 6. Lansdowne Hill, 7. Nilphur springs, 8. Waters Meet, 9. Big Falls, 10. Pansy Pool, 11. Twipram Pool, 12. Saunderson's Pool, 13. Pandava Caves. Pachmarhi is reached from Pipariya Station on the main Central Railway line from Bombay to Jabalpur. From Pipariya, Pachmarhi is 32 miles and the journey can be done by bus or car. There is a golf course and facilities for swimming, trekking and riding.

Padmanabhapuram: in Travancore-Cochin, is the ancient capital of the former Travancore State. *Place worth a visit:* Palace.

Pahalgam: in Kashmir in the lap of the Liddar Valley is situated 60 miles from Srinagar and is famous for its camping sites, and as a base for the Amarnath Cave and Kolahol glacier.

Palitana: in Saurashtra, is famous for its holy hill Shatrunjaya (see separate note) and its Jain temples. Pop. 24,097.

Patna: capital of Bihar, stands on the site of the ancient city of Pataliputra. Pop. 283,479 (1951).

Poona: in Bombay State has many old palaces and parks and one of the best race courses in India. *Places worth a visit are:* the National Chemical Laboratory, the Defence Academy and the Central Water and Power Research Station at Khadakvasla. Pop. 480,982 (1951).

Porbander: in Saurashtra, is the birth-place of Mahatma Gandhi and an attractive summer resort. Pop. 58,824 (1951).

Prabhas Patan: in Saurashtra, is the site of the famous Somnath Temple, the idol in which was reinstated in May 1951.

Puri: famous for the Jagannath Temple, is a coastal town in the State of Orissa and is the State's summer capital. The car festival when an image of Jagannath is taken in procession in a huge rath is an event of India-wide importance. The temple has a black marble pillar in front and a 24-feet high stone wall all round. There are four entrances. The presiding deities are Krishna, Balaram and their sister Subhadra. Besides the Jagannath Temple other places worth a visit are the monastic establishments (maths). Fifty miles from Puri is Konarak, famous for the Sun Temple. Pop. 49,057 (1951).

Rameshwaram: This holy town in South India is built on an island in the Palk Straits. It contains one of India's most venerated temples, perhaps the finest example of South Indian architecture. It is in the form of a quadrangular enclosure 650 ft. by 1,000 ft. The temple is renowned for its vast pillared corridors nearly 4,000 ft. long.

Ranchi: hill station and summer capital of Bihar, noted for its picturesque scenery and fine roads. Pop. 106,849 (1951).

Ranikhet: is a hill station in U.P. on the Kumaon Hills. Most mountaineering parties establish their bases at Ranikhet.

Sanchi: small village in Bhopal State, famous for the Buddhist stupa which is the largest and the best preserved in India. The stupa is built with sandstone and is about 103 feet in diameter and 42 feet high. The sculpture is remarkable in that there is no anthropomorphic figure of Buddha. The most striking features of the Stupa are the four gates which are profusely carved with scenes from the Jataka stories. Sanchi is on the main Central Rly. line between Bombay and Delhi. There is a State-owned dak bungalow at the place where lodging and boarding are available by previous arrangement.

Santiniketan: in West Bengal, is the home of the famous Viswa Bharati, the international university founded by Tagore. *Places worth a visit are:* Rabindra Bhavan (the poet's residence) where his personal belongings, manuscripts, etc. are on display and the poet's mud hut where he wrote many of his famous books.

The place is 91 miles from Calcutta on the Eastern Railway and 2 miles from Bolpur Station.

Sasaram: in Bihar is famous for the magnificent tomb of Sher Shah, Emperor of Delhi. Pop. 29,265 (1951).

Seringapatam: or Srirangapatna in Mysore State, 9 miles by road from Mysore city is the ancient capital of Tipu Sultan. It has the Sultan's fort, mosque and palaces.

Sevagram: in Madhya Pradesh is the village where Mahatma Gandhi founded his ashram.

Shatrunjaya Hills.—Shatrunjaya, near Palitana in Saurashtra, is also known to the Jains as Siddhagiri or Siddhachala or the Hill of the Perfected Ones. It is the most sacred place (tirtha) of Shvetambara Jains. There are a great number of temples in groups on *touks* or summits. The most important one is the *touk* of Adishvara Bhagavan. The ancient image, consecrated by the prophet's son, Batubal, has been replaced. This is perhaps the most holy site within the most sacred precincts of the

Shatrunjaya Hills. At this place a large number of saints are said to have attained Nirvana. A number of inscriptions have been found here, which have been utilised towards writing the history of Western India and the history of the different schools of Jainism.

Shillong: is the headquarters of the Assam Government. Thirty-six miles from here is Cherrapunji, the wettest place in the world. Pop. 53,750 (1951).

Shivpuri: also known as Shri is in Madhya Bharat, 72 miles from Gwalior. It is an interesting tourist resort with good hunting and boating possibilities. Pop. 21,887 (1951).

Simla: the former summer capital of the Government of India and the Government of the Punjab, it is situated on a spur of the Himalayas at a height of 7,200 feet. Among the recreations of the place are hiking, riding and shooting. The roads are excellent. *Places worth a visit:* 1. President's House, 2. Race Course, 3. Jakko Hill, 4. Observatory Hill, 5. Prospect Hill, and 6. Mashobra-Mahasu, seven miles away. There is a very good road into the interior and hikers to Narkanda, Kotgarh, Rampur and Bushahr can lodge in rest-houses that line the road. There is also a motor bus service on this road and holiday-makers who leave in the morning can be back in Simla by evening. The trek route to Kulu commences at Narkanda. Simla is also well provided with a number of excellent schools. The chief means of conveyance are rickshaws and horses.

Simla is reached from Delhi via Kalka on the Delhi-Ambala line. From Kalka there is a mountain railway upto Simla. At Kalka motor cars are available for those who prefer to travel by road, the journey taking 3½ hours. For cheaper travel there are buses which regularly run between Kalka and Simla. All through the scenery is superb, with mountain peaks or luxuriant foliage. Pop. 46,150 (1951).

Somnath: see under Prabhas Patan.

Sravanabelagola: in Mysore State, is noted for its Jain temples and the colossal statue of Gomatesvara which is 60 ft. high, the tallest known monolithic statue in the world erected in 983 A.D.

Srirangam: an island on the Cavery, two miles north of Tiruchirappalli (Trichinopoly), contains the largest temple in South India. The temple is consecrated to Ranganath (Vishnu) and contains a hall of 1,000 columns. Changes were made from the 9th to the 16th centuries and inscriptions of Chola, Pandya, Hoysala and Vijayanagar are all found on it. The north gopuram is 152 feet high. Pop. 36,702 (1951).

Tanjore: in the delta of the Cavery river in Madras State is noted for its temples and palaces. It was the capital of the Cholas under whom it grew in name and fame as a great centre of culture. *Places worth a visit:* 1. the temple of Brihadishvara built by Raja-Raja the great, 2. Nalk's Court, 3. Mahratha Court (the two together are often called the Palace in Tanjore), 4. Nandi, the Bull. The chief means of conveyance are juktas and taxis. There are also good dak bungalows. Tanjore is reached from Madras by the Southern Railway. Pop. 100,680.

Tiruchirappalli (Trichinopoly): the third largest city in Madras State is situated on the Cavery. It is a very ancient city and was the strategic capital of the Chola and Naik kings. Tiruchirappalli is also known as the Kashi of the South. It is now a great educational centre. *Places worth a visit:* 1. The Rock and the temple on the Rock, 2. the two huge masses of granite known as the Golden Rock and Fakir Rock, 3. the Jambukeshwar Temple, two miles north of Trichinopoly dedicated to Appulluga or Siva. Pop. 218,921 (1951).

Travancore (constituent part of Travancore-Cochin Union): the most beautiful and fertile region in all southern India has many charms to offer the traveller within its domains. It has scenery ranging from a countryside of lakes,

creeks and canals, to low hills, undulating land, rice fields and forests of cocoanut and areca palms, with a heavy undergrowth of pepper vines and taploca.

It has also a wonderful highland zone with mountains touching heights of from 5,000 feet to over 8,000 feet, and hills covered with the densest of virgin forest, the home of great herds of wild elephants and bison, tiger, bear, black panther and wild boar, and where lies the lovely Periyar Lake over which one may cruise in comfort and see wild life in its natural habitat.

Trivandrum, the capital, is accessible by well-kept roads and railway, and is also now connected by air with Bombay, Madras and Colombo. Pop. 186,931 (1951).

Places worth a visit : 1. the Palaces, 2. Museum, 3. Picture Gallery, 4. Zoo, 5. Aquarium.

About seven miles south of Trivandrum is Kovalam, a pleasant seaside resort with good facilities for bathing.

Cape Comorin (Kanya Kumari), the Lands End of India, is the southern most point of Travancore where the sunrise and sunset are magnificent sights. It is a sacred spot to Hindus and a place of pilgrimage as the reputed abode of Kanyakumari, the virgin Goddess to whom the temple there is dedicated.

North of Trivandrum is the ancient town of Quilon and to the north of this again, a pleasant trip by boat along delightful backwaters or by car along a good motor road, is the busy seaport of Alleppey.

Trivandrum : See under Travancore.

Udaipur : In Rajasthan, is a city of lakes with inland palaces. Seventy miles from Udaipur is Chittorgarh, the abandoned capital of Mewar, famous for its Tower of Victory. Pop. 89,621 (1951).

Ujjain : In Madhya Bharat, is one of the seven cities sacred to the Hindus. Pop. 129,817 (1951).

HOTELS

Here is a list of first-class Western style hotels :

AGRA

AGRA HOTEL : 165, Metcalfe Road ; HOTEL IMPERIAL : 12, Mahatma Gandhi Road ; LAURIE'S HOTEL : Mahatma Gandhi Road.

AHMEDABAD

RITZ HOTEL : Khanpur Road. Also Circuit House.

ALLAHABAD

BARNETT'S HOTEL : 14, Canning Road, Civil Lines ; ROYAL HOTEL : 24, South Road, Civil Lines.

AURANGABAD

RAILWAY HOTEL : About 2 miles from Aurangabad Railway Station ; GREEN'S HOTEL.

BANARAS CANTT.

CLARK'S HOTEL : Near the Railway Station ; HOTEL DE PARIS : Mall Road, Cantonment.

BANGALORE

CENTRAL HOTEL ; HOTEL EMBASSY : 40C, Infantry Road ; LAVENDER'S HOTEL : 4, Cubbon Road ; SHILTON HOTEL : St. Mark's Road ; WEST END HOTEL : Opp. Race Course.

BARODA

BARODA HOTEL (Old State Guest House).

BIKANER

STATE HOTEL : Outside Public Park.

BOMBAY

AIR LINES HOTEL : Churchgate Reclamation ; AMBASSADOR HOTEL : Near Churchgate Railway Station ; GRAND HOTEL : Ballard Estate ; GREEN'S HOTEL : Lansdowne Road, Apollo Bunder ; HOTEL MAJESTIC : 9, Wodehouse Road, Fort ; MIRABELLES HOTEL : Lotus House, Marine Lines, Fort ; SEA GREEN HOTEL : Marine Drive ; TAJ MAHAL HOTEL : Strand Road, Apollo Bunder ; ASTORIA HOTEL : Churchgate ; RITZ HOTEL :

Churchgate Reclamation, Fort. WEST END HOTEL : 45, Marine Lines.

CALCUTTA

CONTINENTAL HOTEL : 12, Chowringhee Road. GRAND HOTEL : 15, Chowringhee. GREAT EASTERN HOTEL : 1-3, Old Court House Street.

SPENCER'S HOTEL, LTD. : 4, Wellesley Place.

CAPE COMORIN

CAPE HOTEL.

CHATTARPUR

CIRCUIT HOUSE : For tourists going to Khajuraho. For reservation the Deputy Commissioner is to be contacted.

COCHIN HARBOUR (Willington Island).

MALABAR HOTEL : Willington Island.

COONOOR (Nilgiri Hills).

HAMPTON HOTEL ; HILL GROVE HOTEL : Figure of Eight Road.

DALHOUSIE

DALHOUSIE CLUB : Near the motor terminus ; GRAND VIEW HOTEL : Near the bus stand ; METRO HOTEL : Charing Cross.

DARJEELING

BELLEVUE HOTEL : The Mall ; HOTEL MOUNT EVEREST : Gandhi Road ; WINDMERE HOTEL : Observatory Hill.

DEHRA DUN

WHITE HOUSE : 15-A, Lytton Road, Civil Lines.

DELHI

GRAND HOTEL : 2, Underhill Road, Civil Lines ; HOTEL AMBASSADOR : Sujana Singh Park, New Delhi ; HOTEL CECIL : Civil Lines.

HOTEL IMPERIAL : Queensway, New Delhi. MAIDEN'S HOTEL : Civil Lines, Alipore Road.

MARINA HOTEL : Connaught Circus, New Delhi.

SWISS HOTEL : 2, Alipore Road.

DEOLALI

CORONATION HOTEL : Sam Road ; RUGBY HOTEL : Rest Camp Road.

GOPALPUR-ON-SEA

P.O. Gopalpur (Ganjam).

PALM BEACH HOTEL.

GULMARG

GOLF VIEW HOTEL : Upper Golf Course ; NEDOU'S HOTEL.

GWALIOR

GWALIOR HOTEL & STATE GUEST HOUSE : Opposite Railway Station.

HYDERABAD

ROCK CASTLE HOTEL : Jubilee Hill.

INDORE

INDORE HOTEL : Near Railway Station ; LANTERN HOTEL : North Tukoganj.

JAIPUR

KAISER-I-HIND HOTEL : Near Railway Station and Head Post Office ; NEW HOTEL : Civil Lines ; CIRCUIT HOUSE : Station Road.

JODHPUR

NEW GUEST HOUSE : Pall Road.

JALALPUR

JACKSON'S HOTEL : Civil Lines.

KANPUR

BERKLEY HOUSE : Civil Lines.

KARWAR

GRAND HOTEL.

KHANDALA

KHANDALA HOTEL : Near the Railway Station.

KODAIKANAL

CARLTON HOTEL : Lake Road ; HOLIDAY HOME : Near the Golf Club.

KRISHNARAJ SAGAR

HOTEL KRISHNARAJ SAGAR : Brindavan Gardens.

LONAVLA

HAMILTON HOTEL : Near Railway Station.

LUCKNOW

CARLTON HOTEL, LTD. : Shahnajaf Road ; ROYAL HOTEL : Abbot Road.

MADRAS

AMBASSADOR HOTEL : Mount Road ; "CHESNEY HALL" : Commander-in-Chief Road, Egmore. Phone No. 86830 ; CONNEMARA HOTEL : Mount Road.

MAHABLESHWAR

FREDERICK'S HOTEL : Poona-Mowar Road ; RACE VIEW HOTEL : Cassum Sajan Hill.

MATHERAN

LORD'S HOTEL : Mahatma Gandhi Road ; RUGBY HOTEL : Vithalrao Kotwal Road.

MOUNT ABU

MOUNT VIEW HOTEL : Dilwara Road.

MUSSOORIE

CHARLEVILLE HOTEL ; HAKMAN'S GRAND HOTEL : The Mall ; SAVOY HOTEL.

MYSORE

CARLTON HOTEL : Dee's Road ; HOTEL METROPOLIS : Viceroy Road.

NAGPUR

MOUNT HOTEL : Commercial Road, Civil Lines.

NAINITAL

GRAND HOTEL : The Mall ; HOTEL METROPOLE : Near Secretariat ; HOTEL WALDORF ASTORIA : The Mall ; ROYAL HOTEL : The Mall.

NASIK

LIBERTY HOTEL : Bombay-Agra Road ; GOLF CLUB (Write to District Magistrate).

OOTACAMUND

HOTEL CECIL ; SAVOY HOTEL.

PAHALGAM

PLAZA : WAZL.

PATNA

GRAND HOTEL : Fraser Road.

POONA

NAPIER HOTEL : 10, Modena Road, Camp ; POONA HOTEL : 4, Connaught Road ; WELLESLEY HOTEL : 12-A, Connaught Road.

PURI

E. RAILWAY HOTEL : Sea beach.

RANCHI

E. RAILWAY HOTEL : Opposite Railway Station.

SECUNDERABAD

PERCY'S HOTEL : Alexandra Road.

SHILLONG

FERNDALE HOTEL : Near the Secretariat ; PEAK HOTEL : Near the Secretariat. PINKWOOD HOTEL : Near Government House.

SIMLA

CECIL HOTEL. CLAUKE'S HOTEL.

SRINAGAR

GARDEN HOTEL : Boulevard Road ; GOLF VIEW HOTEL : Boulevard Road ; NEDOU'S HOTEL : Hotel Road ; PARK HOTEL : The Bund.

TRIVANDRUM

MASCOT HOTEL.

UDAIPUR

ANAND BHAWAN STATE GUEST HOUSE & STATE HOTEL : Near Lakshmi Vilas Palace.

DAK BUNGALOWS

Here is a list of Dak Bungalows, Retiring Rooms and Rest Houses, etc. at important tourist centres :

ACHHABAL (Kashmir) : Dak Bungalow.

AJANTA: State Hotel at Aurangabad. Dak bungalows and a State Guest House at Fardapur about 3 miles from the Caves.

AJMER: Railway retiring rooms and Dak bungalow.

ALLEPPY (Travancore-Cochin): Dak bungalow. **ALWAR:** Dak bungalow.

ALWAYE (Travancore-Cochin): Dak bungalow. **AMRITSAR:** Dak bungalow.

BADAMI: Dak bungalow. **BAGALKOT:** (for Ahole), Dak bungalow.

BAGH: Inspection bungalow. **BAGHI (Himachal Pradesh):** Dak bungalow.

BANIHAL (Kashmir): Dak bungalow. **BARODA:** Dak bungalow.

BATOT (Kashmir): Dak bungalow. **BELUR:** Dak bungalow.

BHARATPUR: Dak bungalow. **BHILSA:** Dak bungalow.

BHOPAL: Dak bungalow and Circuit House. **BHUVANESHWAR:** Dak bungalow.

BIJAPUR: Travellers' bungalow. **BUDH GAYA:** Dak bungalow at Gaya.

BURDI: Dak bungalow. **CHAMBA:** Dak bungalow.

CHIDAMBARAM: Dak bungalow. **CHITTUR:** Dak bungalow and Railway retiring room.

CONJEEVARAM: Dak bungalow.

COOCH BEHAR: Dak bungalow.

DAULATABAD: Dak bungalow. (Railway Hotel at Aurangabad.)

DHAR: Dak bungalow.

ELLORA: Dak bungalow and State Guest House. (Railway Hotel at Aurangabad.) State Guest House and Dak bungalow at Khuldabad, 3 miles from Ellora.

ERNAKULAM: Dak bungalow.

HAMPT: Dak bungalow at Hospet (8 miles from Hampi).

IMPHAL: Rest House.

JOG FALLS: Travellers' bungalow.

JOGINDAR NAGAR (Himachal Pradesh): Dak bungalow.

JUNAGADH: Dak bungalow.

KARWAR: Travellers' bungalow.

KHAJURAHO: Dak bungalow at Chhattarpur, Circuit House at Nowgong and Panna, and Rest House at Khajuraho.

KONARAK: Dak bungalow.

KOTAH: Dak bungalow.

KOTTAYAM (Travancore-Cochin): Dak bungalow.

KUD (Kashmir): Dak bungalow.

KULU: Dak bungalow and Rest House.

MADURAI: Retiring room, Circuit House and Dak bungalow.

MAHAALIPURAM: P.W.D. Inspection bungalow. (Can be visited from Madras.)

MANDU: Dak bungalow.

MATHURA: Retiring room and Dak bungalow.

MOUNT ABU: Dak bungalow.

NALANDA: Rest House.

NALDERA (Himachal Pradesh): Rest House.

NARKANDA (Himachal Pradesh): Dak bungalow.

PALITANA: Dak bungalow.

PATANKOT: Retiring room.

QAZIGUND (Kashmir): Dak bungalow.

QUILON (Travancore-Cochin): Dak bungalow.

RAMESHWARAM: Rest House.

SANCHI: Two dak bungalows.

TANJORE: Dak bungalow and Railway retiring rooms.

TANMARG (Kashmir): Dak bungalow.

TIRUCHIRAPALLI: Railway retiring rooms.

UJJAIN: Dak bungalow.

MUSEUMS, ART GALLERIES

India is rich in museums and art galleries, a list of which is given below:

National Archives of India, New Delhi; Delhi Fort Museum of Archaeology, Delhi; Central Asian Antiquities Museum, New Delhi; Archaeological Museum, Nalanda; Archaeological Museum, Sarnath; Archaeological Museum, Nagarijankonda; Fort St. George Museum, Madras; Rajputana Museum, Ajmer; Indian Museum, Calcutta; Victoria Memorial Hall, Calcutta; State Museum, Bhuvaneshwar (Orissa); State Museum, Lucknow; Government Museum, Madras; Curzon Museum of Archaeology, Mathura; Central Museum, Nagpur; Patna Museum, Patna; State Museum, Gauhati (Assam); Palace

collection, Aundh; Mysore Government Museum, Bangalore; Baripada Museum, Mayurbhanj (Orissa); Khiching Museum, Mayurbhanj; Baroda State Museum and Picture Gallery, Baroda; Barton Museum, Bhavnagar (Saurashtra); Bhuri Singh Museum, Chamba (Himachal Pradesh); Archaeological Museum, Himmatnagar (Idar); Archaeological Museum, Gwalior; Hyderabad Museum, Hyderabad; Indore Museum, Indore; Albert Museum, Jaipur; Sardar Museum, Jodhpur; Jardine Museum, Khajuraho, Chhattarpur (Vindhya Pradesh); Pudukottai Museum, Pudukottai (Madras); Watson Museum of Antiquities, Rajkot (Saurashtra); Museum of Archaeology, Sanchi (Bhopal); State Museum, Trichur (Cochin); Government (Napier's) Mu-

seum, Trivandrum (Travancore); Victoria Hall Museum, Udaipur (Rajputana); Junagadh Museum, Junagadh (Saurashtra); Nawanagar Museum, Nawanagar (Saurashtra); Prince of Wales Museum of Western India, Bombay; Lord Reay Maharashtra Industrial Museum, Poona; Bharat Kala Bhavan, Banaras (U.P.); St. Xavier's College Museum, Bombay; Museum of Bangiya Sahitya Parishad, Calcutta; Asutosh Museum, Calcutta University, Calcutta; Bharat Itihasa Sansodhak Mandal, Poona (Bombay); Allahabad Municipal Museum, Allahabad; Victoria Jubilee Museum, Bezawada; Archaeological Museum, Bijapur (Bombay); Victoria and Albert Museum, Bombay; Raipur Museum, Raipur (Madhya Pradesh).

PROTECTED MONUMENTS

The following list of protected monuments along with the place of location is given for purposes of easy reference:

Gandhara Sun Temple (8th century A.D.): Martand (Kashmir).

Sikh Golden Temple (1766 A.D.): Amritsar.

Goddess Saraswati—Height 120 cm. (12th century A.D.): Bikaner.

Capital City (1459 A.D.): Jodhpur.

Kumbha Rana's Jain Temple (15th century A.D.): Ranakpur.

Hawa Mahal (1699 A.D.): Jaipur.

Gateway (17th century A.D.): Amber.

Female figures on a Kushan Period railing (c. 100 A.D.): Muthra.

Mother and Child—Kushan Period Sculpture c. 100 A.D.): Muthra.

Gupta period Statue of Buddha—Height 217 cm. (c. 600 A.D.): Muthra.

Tomb of Isa Khan, the Pathan (1545 A.D.): Delhi.

Tomb of Humayun, the Mogul (1556 A.D.): Delhi.

Kutub Minar—Height 238 ft. with five storeys (commenced 1232 A.D.): Delhi.

Khas Mahal, Mogul Fort (17th century A.D.): Delhi.

Tomb of Itimad-ud-Daula (1622 A.D.): Agra.

Taj Mahal (1663 A.D.): Agra.

Bulanda Darwaza (1602 A.D.): Fatehpur-Sikri.

Sas-Bahu Temples (1098 A.D.): Gwalior.

Man Singh Palace of Chit Mandir (1486 A.D.): Gwalior.

Tell-ka-Mandir (c. 9th century A.D.): Gwalior.

Govind Palace of Vir Singh Deo (17th century A.D.): Datia.

Palace of Vir Singh Deo (17th century A.D.): Orchha.

Khandarya—Mahadeva Temple (c. 1000 A.D.): Khajuraho.

Vishnu reclining on the serpent Ananta, symbol of eternity, in Vishnu Temple (5th century A.D.): Deogarh.

Liberation of the elephant by Vishnu, in Vishnu Temple (5th century A.D.): Deogarh.

Shiva as the great ascetic—Maha Yogi (5th century A.D.): Deogarh.

Statue of an unknown woman—8 ft. 7 ins. high—in Indian Museum, Calcutta (5th century B.C.): Besnagar.

Sri Allata of Kaitan Rani Tower—Kirti Stambha (12th century A.D.): Chitor.

Temple of Vrijl (1450 A.D.): Chitor.

Palace (16th to 18th century A.D.): Udaipur.

Temple (17th century A.D.): Udaipur.

A ceiling in Adinath Temple (1031 A.D.): Mount Abu.

Pillars and arches in Nemnath Temple (1230 A.D.): Mount Abu.

Budramal Temple (950 A.D.): Sidhpur.

Kirti Stambha—35½ ft. high (c. 10th century A.D.): Vadnagar.

Sun Temple (1026 A.D.): Modhera.

Zenana of the Palace (10th century A.D.): Jaumnagar.

Temple (18th century A.D.): Dwarka.

Nemnath Jain Temples (1177 A.D.): Girnar.

Tomb of Baha-ud-Din Bhar: Junagadh.

863 Jain Temples (11th to 20th century): Palitana.

Women's Gallery in Great Mosque (1364 A.D.): Mangrol.

Hutheesing Temple (1848 A.D.): Ahmedabad.

Niche in Great Mosque (1424 A.D.): Ahmedabad.

Window of Sidi Salyad Mosque (10th century A.D.): Ahmedabad.

Mosque (15th century A.D.): Champaner.

Clock Tower and Palace (18th century A.D.): Baroda.

Baroda Gate—height 31 ft. (11th to 13th century A.D.): Dabhol.

Buddha with attendants (4th to 7th century A.D.): Bagh.

Gateway and Stupa (c. 150 B.C.): Sanchi.

The Teaching Buddha—Cave No. 16 (4th to 6th century A.D.): Ajanta.

Entrance to Chaitya—Cave No. 26 (500 to 650 A.D.): Ajanta.

Kailash Cave Temple (8th century A.D.): Ellora.

Panel of Ravana shaking the abode of Shiva—Kailash Cave Temple (8th century A.D.): Ellora.

Mausoleum of Rabi Daurani (17th century A.D.): Aurangabad.

- Chand Minar—height 100 ft. (1435 A.D.): Daulatabad.
- Gondeswara Temple (12th century A.D.): Sinner.
- Pandu Lena Chaitya—Cave No. 18 (100 B.C. to 200 A.D.): Nasik.
- Buddha—height 21 ft. (6th century A.D.): Kanheri; Wall in front of Cave No. 3 (6th century A.D.): Kanheri.
- Shiva as Creator, Preserver and Destroyer—Trimurti—height 19 ft. (8th century A.D.): Elephanta.
- Dance of Shiva—Tandava (8th century A.D.): Elephanta.
- Marriage of Shiva and Parvati (8th century A.D.): Elephanta.
- Donors in front of Chaitya (100 A.D.): Karli.
- Chaitya (100 A.D.): Karli.
- Mahakapi Jataka of Buddha, in Indian Museum, Calcutta (180 B.C.): Bhaurut.
- Maya's Dream, in Indian Museum, Calcutta (180 B.C.): Bhaurut.
- Mausoleum in Khusru Bag (17th century A.D.): Allahabad.
- Entrance of Ataladevi Mosque—height 75 ft. (1408 A.D.): Jaunpur.
- Head of Parvati—height 12 cm. (5th century A.D.): Ahich Chatra (Barrell).
- Tara, Consort of Avalokiteshwara, in the collection of K. J. Khandalawalla, Bombay (15th to 17th century A.D.): Nepal.
- Avalokiteshwara of Padmapani—height 22½ ins. in the Calcutta Art Gallery (4th century A.D.): Nepal.
- Asoka Pillar—height 33 ft., Lion Capital 7 ft. (240 B.C.): Lauriyanaudangarh.
- Lion Capital of Asoka Pillar, in Sarnath Museum (240 B.C.): Sarnath.
- Buddha, in Sarnath Museum (5th century A.D.): Sarnath.
- Temples and Ghat (dating earlier than 1000 B.C.): Banaras.
- Mausoleum of Sher Shah (1540 A.D.): Sasaram.
- Buddha Temple—height 180 ft. (Seen by Hui-n Tsang in 635 A.D.): Buddha-Gaya.
- Bronze Buddha, in Nalanda Museum (6th to 8th century A.D.): Nalanda.
- Yakshi or Women attendant—height 160 cm. (c. 200 B.C.): Patna.
- Head of a boy, in Patna Museum (3rd to 1st century B.C.): Patna.
- Buddha (c. 12th century A.D.): Rajgir.
- Statue of Surya (Sun)—height 5½ ft. in Victoria and Albert Museum, London (12th century A.D.): Raj Mahal Hills.
- Hindu Temple (1643 A.D.): Vishnupur.
- Yakshi Chulakoka from Stupa railing at Bharhut, height 214 cm., in Indian Museum, Calcutta (2nd century B.C.): Calcutta.
- Apsaras in Heaven—Bharhut sculptures, in Indian Museum, Calcutta (200 B.C.): Calcutta.
- Bronze Kall's Dance, in Indian Museum, Calcutta (10th to 11th century A.D.): Calcutta.
- Status of Indrani (10th century A.D.): Jajpur.
- Skirted female figure—height 80 cm. (6th or 7th century A.D.): Bhubaneswar.
- Woman writing with a stylus—height 69 cm. (11th century A.D.): Bhubaneswar.
- Markandaya Temple (10th century A.D.): Bhubaneswar.
- Mother fondling child—height 92 cm. (11th century A.D.): Bhubaneswar.
- Colossal horse with attendant (c. 1200 A.D.): Konarak.
- Colossal Elephant (c. 1200 A.D.): Konarak.
- Sun Temple (c. 1200 A.D.): Konarak.
- Temples (11th century A.D. onwards): Puri.
- Durga slaying the Demon Mahesha (11th century A.D.): Puri.
- Pillar in Temple on Ramappa Lake (c. 12th century A.D.): Palampet.
- Pillar in Hindu Temple (1102 A.D.): Ifanankonda.
- Kirti Stambha (c. 12th century A.D.): Warangal.
- Descent of Buddha into the womb of Maya, in Indian Museum, Calcutta (170 A.D.): Amravati.
- Court scene on a Medallion, in British Museum, London (2nd century A.D.): Amravati.
- Slab from base of Stupa, in Madras Museum (2nd century A.D.): Amravati.
- Monastery (6th century A.D.): Undavalli.
- Sculpture in Rameshwarswami Temple (1485 A.D.): Tadpatri.
- Vishnu as Narsinh (Hon) Avtar (1528 A.D.): Vijayanagar.
- Chariot—height 26 ft. (1521 A.D.): Vijayanagar.
- Sculpture on outer wall of Srinhasan Hall in Palace (16th century A.D.): Vijayanagar.
- Vishnu sitting on serpent Ananta—ceiling slab in Temple (634 A.D.): Alhole.
- Char Minar Mosque—height 186 ft. (1501 A.D.): Hyderabad.
- Gateway of Banda Nawaz (1640 A.D.): Gulbarga.
- Gol Gumbaz or Mausoleum of Mohammed Adil Shah—dome: 124 ft. wide (1659 A.D.): Bijapur.
- Temple (8th century A.D.): Pattadakal.
- Vishnu in Cave Temple (c. 600 A.D.): Badami.
- Pillar in Kashi Vishwanath Temple (earlier than 11th century A.D.): Jakhandi.
- Temple of Chenna Kesava (12th century A.D.): Belur.
- Dancing figure in Chenna Kesava Temple (12th century A.D.): Belur.
- Hoyaleswara Temple (18th century A.D.): Halebid.
- Lord Krishna raising Mount Govardhan (18th century A.D.): Halebid.
- Bronze—Shiva from Hindu Temple (17th century A.D.): Vellore; Kalyana Mandapam of Hindu Temple (14th century A.D.): Vellore.
- Brass images of Krishnaraya and his two Queens in Vijayanagar Tirumalai Hill Temple (16th century A.D.): Tirupati.
- Temple of Vardaraja Swami (earlier than 13th century A.D.): Conjeevaram.
- Bronze—Uma, in Boston Museum (12 century A.D.): Madras.
- Bronze—Parvati, in Madras Museum (10th or 17th century A.D.): Madras.
- Bronze—Krishna, in collection of K. J. Khandalawalla Bombay (14th or 15th century A.D.): Madras.
- Rock-cut Ganesha Rath (680 A.D.): Mamlapuram.
- Bas-relief: "Penance of Arjuna" (7th century A.D.): Mamlapuram.
- Temples of Shiva and Parvati (from 500 to 1700 A.D.): Chidambaram.
- Sarangpani Vishnu Temple (10th to 14th century A.D.): Kumbhakonam.
- Temple Cart: Sri Rangan.
- Vishnu Temple of Raghunatha Swami (16th century A.D.): Sri Rangan.
- Jambukeswara Shiva Temple (17th century A.D.): Trichinopoly.
- Prasanna Chenna Kesava Temple (1270 A.D.): Somnathpur.
- Jinanathpur (12th century A.D.): Basti.
- Gomateshwara, Jain Saint—carved out of single rock—height 70 ft. 3 ins. (980 A.D.): Sravanabelagola.
- Huntress—height 136 cm. (12th century A.D.): Mysore.
- Ratha (17th to 18th century A.D.): Mysore.
- Nandi—height 16 ft. (1659 A.D.): Mysore.
- Audience Hall—Tirumala Nayak Palace (17th century A.D.): Madura.
- Menakshi Temple (17th century A.D.): Madura.
- Dancing Shiva in the Great Temple (17th century A.D.): Madura.
- Dancing Shiva in a ring of flames, in Madras.
- Museum (10th to 11th century A.D.): Tanjore.
- Temple (18th century A.D.): Rameshwaram.
- Monolithic Temple (10th century A.D.): Kalugumalai.
- Padmanabha Temple (5th century A.D.): Trivandrum.

GOVERNMENT OF INDIA

INDIA, that is Bharat, is a sovereign democratic Republic. It is a union of 29 States, which are divided into four classes called Part A States, Part B States, Part C States and Part D States.

The Part A States are: Andhra, Assam, Bihar, Bombay, Madhya Pradesh, Madras, Orissa, Punjab, Uttar Pradesh, West Bengal.

The Part B States are: Hyderabad, Jammu and Kashmir, Madhya Bharat, Mysore, Patiala and East Punjab States Union, Rajasthan, Saurashtra, Travancore-Cochin.

The Part C States are: Ajmer, Bhopal, Bilaspur*, Coorg, Delhi, Himachal Pradesh, Kutch, Manipur, Tripura and Vindhya Pradesh.

There is only one Part D State: Andaman and Nicobar Islands.

The constitution of India is federal in nature.

The distribution of power between the Centre and the local administrations follows the accepted principle that subjects which for convenience and efficiency ought to be administered on an all-India basis are vested in the Union Government, while others (of the nation-building sort) which can be conveniently administered on a local basis are vested in the State Governments.

Thus, defence, foreign affairs, transport and communications, currency and coinage, banking, customs and export duties, and the administration of justice at the higher level are all Central subjects, while State powers include those over police, public health, education, agriculture, forests and so on.

There is a third group of subjects that fall betwixt and between such as economic and social planning, social security and insurance, labour welfare, price control and vital statistics. On these subjects both the Centre and the State can freely legislate, it being understood that whenever there is conflict between Union and State legislation the Union laws prevail.

Three detailed lists of subjects are drawn up, the Union List, the State List and the Concurrent List, and the residuary power rests with the Union. That is to say, if at any time, a subject which does not figure in any of the three lists, comes up for consideration the power of dealing with it lies with the Union Government.

Thus the constitution of India is a quasi-federation in which the Centre is the dominating partner. The Union Government controls the State governments in certain matters. The Union has also the power to confer additional powers on the States.

Provision is made for removing differences between the various States by empowering the President to establish an Inter-State Council.

It may be pointed out here that while the relations between the Centre and each of the States are substantially the same, the Centre has a higher responsibility for the affairs of some States than in others. Thus while in regard to a State like Bombay the Centre can intervene only in case of grave emergency, in regard to a State like Madhya Bharat the Centre has the right to issue directives on day to day administration for a period of ten years.

FUNDAMENTAL RIGHTS

In the Indian Union the rights of Indian citizenship are given to 1. One who is born in India, 2. Either of whose parents were born in India, and 3. Who has been a resident of India for five years. Provision is also made for persons who are affected by the partition of the sub-continent.

Certain fundamental rights are guaranteed to every citizen for the first time. All citizens are equal before the law and no discrimination is made on grounds of religion, sex, caste, etc. All citizens have equal opportunities.

Freedom of speech and expression is guaranteed, and the right to hold meetings (without arms), to form unions and associations, to move freely in India and to reside in any part, to acquire property and to practise any profession are also assured under the Constitution.

Life and personal liberty are protected under the law, and there will not be punishment for the same offence more than once. Preventive detention is also forbidden except in certain cases.

Children under the age of 14 will not be allowed to be employed in factories and forced labour like *begar* is prohibited.

India is a secular State and as such there is freedom of conscience. Citizens are allowed to profess, practise and propagate any religion; and the State will not ordinarily interfere in religious questions. The minorities are assured of cultural and educational rights.

The State can acquire compulsorily property for public purposes, but compensation must be paid to the owner of the property concerned. But property may also be acquired without compensation in certain cases.

All titles, except military or academic, are also abolished.

Untouchability is abolished.

These fundamental rights can be enforced by the Supreme Court which has the authority to issue prerogative writs such as *habeas corpus*, *certiorari*, *prohibition*, etc.

In respect to the Defence Forces, however, Parliament has power to legislate on these fundamental rights.

It must also be pointed out that some of these fundamental rights can be suspended in case of emergency, and the remedies available for their enforcement may also be suspended by an order of the President.

There are also certain Directive Principles in accordance with which the State has to direct its policy. These principles are of a recommendatory character and cannot be enforced in a court of law. However the State is expected to look upon them as a kind of touch-stone for its policy and action.

These principles include organization of village panchayats, provision for just and humane conditions of work, maternity relief, a uniform civil code for the citizens, provision for compulsory and free education of children and separation of judiciary from executive.

UNION EXECUTIVE

The executive head of the Indian Union is the President. He is elected by the elected members of the Houses of Parliament and the Legislative Assemblies of all the States. His term of office is five years, and he is eligible for re-election. Only a person who is a citizen of India and has completed the age of thirty-five years is qualified to contest the election.

He is the Supreme Commander of the Armed Forces.

He has the power to grant pardons or remission of punishment.

The President is entitled to the use of an official residence without payment of rent, and a salary of Rs. 10,000 per month and allowances. Provision has also been made by an Act of Parliament for a pension of Rs. 15,000 per annum.

The President has the power of summoning, proroguing and dissolving Parliament. At the commencement of each session he addresses both Houses of Parliament assembled together. He has the right of sending messages to Parliament and sending back a Bill presented to him for his consent. This power however can be used by him only once.

The President has legislative powers under certain circumstances. When neither of the Houses of Parliament is in session and the President is satisfied that circumstances exist which make immediate action necessary he may promulgate an ordinance. Such ordinance must be put before both the Houses of Parliament and will cease to operate at the expiration of six weeks from the reassembly of Parliament. The President can also declare emergency if he is satisfied that the security of India or any part thereof is threatened either by war or internal disturbances when the legislature is in session. Such a proclamation would give additional powers to the Union executive and the Legislature.

The judges of the Supreme Court and the High Courts, the Attorney-General of India and the Comptroller and Auditor-General of India are all appointed by the President. The heads of the various States, i.e., Governors and Rajpramukhs are also appointed by the President. He has the power of appointing ambassadors abroad and receiving diplomatic representatives of foreign States.

The President places a number of annual reports before Parliament: the Annual Financial Statement, the report of the Auditor-General of India relating to the accounts of the Government of India, the recommendations of the Finance Commission, the annual report of the Union Public Services Commission and the report of the Special Officer for Minorities.

All executive action of the Government of India is taken in the name of the President and it is the duty of the Prime Minister to communicate to the President all decisions of the Council of Ministers.

Provision is made for the impeachment of the President, by Parliament, for violation of the Constitution. If such a resolution is passed by a majority of not less than two-thirds of the total membership, such a resolution has the effect of removing the President from office.

In the exercise of his functions, the President has the aid and advice of a Council of Ministers, with the Prime Minister at the head of it. The President appoints the Prime Minister and other Ministers are appointed on the advice of the Prime Minister.

The Council of Ministers is collectively responsible to the House of the People. Every Minister must be a member of either House of Parliament, and he is required to take an oath of office and secrecy.

The salaries and allowances of Ministers are determined by Parliament.

There is a Vice-President of India, who is ex-officio Chairman of the Council of States. The Vice-President acts as President during a casual vacancy in the office of the President. He is elected by the members of both Houses of Parliament and his term of office is five years.

UNION PARLIAMENT

The Parliament consists of the President and two Houses to be known as the Council of States and the House of the People. It must meet at least twice a year. The maximum strength of the two Houses is to be 250 and 500 respectively.

The Council of States is elected by the members of the Legislative Assemblies of the States, while the House of the People is elected directly by the voters in the country.

The elections to the House of the People are based on adult suffrage and joint electorates. There is no reservation of seats for any group except Scheduled Castes and Scheduled Tribes.

* A proposal to merge Bilaspur into Himachal Pradesh is under consideration.

The Council of States is a permanent body with one-third of its members retiring every second year. The Chairman of the Council of States is the Vice-President of the Union.

The House of the People has a duration of five years, ordinarily. There is a Speaker and a Deputy Speaker of the House both of whom are elected by its members.

All these posts carry a salary and allowances.

Under certain circumstances, the members can be disqualified and their seats declared vacant.

Money Bills can be introduced only in the House of the People. The Council of States can only return a bill with its recommendations to the House of the People within a period of fourteen days of its receipt. Bills passed by Parliament are submitted to the President for his assent. Only on such assent being given does the Bill become law.

The language used in Parliament is either Hindi or English.

The distribution of seats in the Council of States is as follows:—Andhra, 12; Assam, 6; Bihar, 21; Bombay, 17; Madhya Pradesh, 12; Madras, 18; Orissa, 9; Punjab, 8; Uttar Pradesh, 31; West Bengal, 14; Hyderabad, 11; Jammu and Kashmir, 4; Madhya Bharat, 6; Mysore, 6; Patiala and East Punjab States Union, 3; Rajasthan, 9; Saurashtra, 4; Travancore-Cochin, 6; Ajmer and Coorg, 1; Bhopal, 1; Bilaspur and Himachal Pradesh, 1; Delhi, 1; Kutch, 1; Manipur and Tripura, 1; Vindhya Pradesh, 4.

Twelve members are nominated by the President, from among persons who are known for their eminence in literature, science or art, or for their record of social service.

The allocation of seats in the House of the People is as follows:—

Andhra, 28; Assam, 12; Bihar, 55; Bombay, 45; Madhya Pradesh, 29; Madras, 46; Orissa, 20; Punjab, 18; Uttar Pradesh, 86; West Bengal, 34; Hyderabad, 25; Jammu and Kashmir, 6; Madhya Bharat, 11; Mysore, 12; Patiala and East Punjab States Union, 5; Rajasthan, 20; Saurashtra, 20; Travancore-Cochin, 12; Ajmer, 2; Bhopal, 2; Bilaspur, 1; Coorg, 1; Delhi, 4; Himachal Pradesh, 3; Kutch, 2; Manipur, 2; Tripura, 2; Vindhya Pradesh, 6; Andaman and Nicobar Islands, 1.

The Supreme Court of India consists of a Chief Justice of India and not more than seven other Judges. The appointments are made by the President. The salary of the Chief Justice is Rs. 5,000 per month and of the other Judges Rs. 4,000 per month.

For purposes of constitutional law the Supreme Court has exclusive original jurisdiction in any dispute (a) between the Government of India and one or more States, (b) between the Government of India and one or more States on one side and one or more other States on the other, (c) between two or more States only in so far as the dispute involves any question on which the existence of a legal right depends.

The Supreme Court has also jurisdiction both appellate and original in matters which involve a substantial question of law as to the interpretation of the constitution.

An Attorney-General for legal advice and a Comptroller and Auditor-General of India for audit and accounts are appointed by the President. The Attorney-General has the right to appear in all courts in India.

STATES

There are three types of States from a constitutional point of view. (1) Ten States, that have a Governor as the executive head. They are Andhra, Assam, Bihar, Bombay, Madhya Pradesh, Madras, Orissa, Punjab, Uttar Pradesh and West Bengal. (2) Seven, which have a Rajpramukh at the head. They are Hyderabad, Madhya Bharat, Mysore, Patiala and East Punjab States Union, Rajasthan, Saurashtra

and Travancore-Cochin. (3) Ten States, which have a Chief Commissioner or a Lieutenant-Governor at the head and controlled by the Union Government. They are, Ajmer, Bhopal, Bilaspur, Coorg, Delhi, Himachal Pradesh, Kutch, Manipur, Tripura, and Vindhya Pradesh.

Of the third type of State those which have a Lieutenant-Governor are Himachal Pradesh and Vindhya Pradesh.

Bilaspur is, in fact, administered by the Lieutenant-Governor of Himachal Pradesh.

Andamans and Nicobar Islands are administered by the President through a Chief Commissioner.

Kashmir is technically a Part B State but is in fact in a class by itself. It is internally autonomous and has even extra-territorial jurisdiction. It is a part of India only in the matter of the three subjects for which it has acceded—defence, foreign affairs and communications. Hereditary monarchy has also ceased. The head of the State is really a President: he is called Sadar-i-Riyasat.

The Governor of a State is appointed by the President. And a Rajpramukh is appointed or recognized by the President. Executive power is vested in the Governor who is appointed for a term of five years, ordinarily. Only a citizen of India and one who has completed 35 years of age, is eligible for such an appointment.

The Governor, like the President has power to grant pardon, etc. He will have a Council of Ministers to aid and advise him. The Governor also appoints an Advocate-General for the State.

Seven States (Bihar, Bombay, Madras, Mysore, Punjab, Uttar Pradesh, West Bengal) have two Houses of Legislature, the others, only one. The two Houses are called the Legislative Assembly and the Legislative Council. The former has a duration of five years, while the latter is a permanent body with one-third of the members retiring every second year. The minimum strength of the Council is 40, and the maximum one-fourth of the State Assembly.

It may be added here that three Part C States have only electoral colleges and not Legislatures. They are Kutch, Manipur and Tripura.

The Legislature must meet at least twice a year. While the Assembly consists of members who are directly elected from territorial constituencies, the Council consists of members nominated by the Governor, elected by the Assembly and of representatives of local bodies and special interests.

The total number of seats in the Legislative Assemblies and the Legislative Councils are as follows:—

Name of State	Total number of Seats in the Assembly	Total number of Seats in the Council
Andhra	140	—
Assam	108	—
Bihar	330	72
Bombay	315	72
Madhya Pradesh	232	—
Madras	230	45
Orissa	140	—
Punjab	128	40
Uttar Pradesh	430	72
West Bengal	238	51
Hyderabad	175	—
Madhya Bharat	99	—
Mysore	104	40
Patiala & East Punjab States Union	60	—
Rajasthan	160	—
Saurashtra	60	—
Travancore-Cochin	108	—
Ajmer	30	—
Bhopal	30	—
Coorg	24	—
Delhi	48	—
Himachal Pradesh	36	—
Vindhya Pradesh	60	—

Jammu and Kashmir has only a Constituent Assembly yet.

The right of summoning, proroguing and dissolving the Legislature is vested in the Governor, who addresses the legislature at the commencement of each session.

Like the Parliament there is a Speaker, a Deputy Speaker, a Chairman and a Deputy Chairman for the Legislative Assembly and the Legislative Council respectively. These officers of the legislatures are entitled to salary and allowances.

The language in the legislature can be either Hindi or English or any other language allowed by the Speaker.

The State Legislatures cannot discuss the conduct of any Judge of the Supreme Court or of a High Court in the discharge of his duties.

As the Governor is a part of the legislature, he has certain legislative powers. He can promulgate ordinances during the recess of the legislature; such ordinances must be placed before the legislature and cease to operate at the expiration of six weeks from the reassembly of the legislature.

The salary of the Governor is Rs. 5,500 per month and he is also entitled to certain allowances.

If the Government of the State cannot be carried on in accordance with the provisions of the Constitution, and the Governor or the Rajpramukh makes a report to that effect to the President, the President may by proclamation assume to himself all or any of the functions of the Government of the State. He may also declare that the powers of the State legislatures shall be exercised by Parliament, and may suspend any provision of the constitution relating to the State.

However, he cannot assume to himself, or suspend any of the provisions of the Constitution relating to High Courts.

There is a High Court for each State.

The administration of the States in group two, e.g. Hyderabad, is carried on in accordance with the provisions laid down with reference to the States in group one. Instead of a Governor, these States have a Rajpramukh. Also, for a period of ten years from the commencement of the constitution these States will be under the general supervision of the Government of India.

The constitution of Part C States is governed by the Government of Part C States Act (Act XLIX of 1951). By this Act all States except Bilaspur, Kutch, Manipur and Tripura have a legislature called the Legislative Assembly. Provisions as regards duration, sessions and officers, etc. of the Assemblies, are similar to those laid down for Part A States. The extent of the legislative power is specifically mentioned in Section 21.

There will be a Council of Ministers in each State to aid and advise the Chief Commissioner. In case the Chief Commissioner disagrees with the Council, he may refer the matter to the President and act according to his directions. The Chief Commissioner and the Council of Ministers will be under the general control of and comply with such particular directions, as may from time to time be given by the President.

Special provision is made for the State of Delhi.

Provision is also made to meet any situation created by the failure of the constitutional machinery in the Part C States.

For the States of Kutch, Manipur and Tripura there are Councils of Advisers set up by the President to assist the Chief Commissioners.

For Vindhya Pradesh and Himachal Pradesh there are Lieutenant-Governors, whose salaries are fixed at Rs. 3,000 per month.

As regards Andaman and Nicobar Islands, the President makes rules and regulations for the peace and good government of the State, and appoints a Chief Commissioner for administration. The President has the power of making regulations which have the effect of amending or repealing an Act of Parliament.

FINANCE

The financial relations between the Union and the States are as follows:—There is a Consolidated Fund of India and a Consolidated Fund of each State, and all money received is credited to the public account of India or the public account of the State as the case may be. Provision is also made for the establishment of a 'Contingency Fund of India' and a 'Contingency Fund of the State.'

Certain duties and taxes are levied and collected by the Government of India, such as duties in respect of succession to property, terminal taxes, taxes on railway fares and freights, etc. But the net proceeds are assigned to the States, in accordance with such principles of distribution as formulated by Parliament. Certain other taxes, like income-tax are levied and collected by the Government of India, but are distributed between the Union and the States.

These matters are now fixed in accordance with the recommendations of the Finance Commission.

No moneys can be appropriated out of the Consolidated Fund of India or of a State except in accordance with an Appropriation Act by the appropriate legislature.

The property of the Union is exempt from the taxes imposed by a State, and the property and income of State are exempt from Union taxation.

The privy purse sums of the Rulers are a charge on the Consolidated Fund of India, and these sums are to be exempt from taxes on income.

There is a Public Service Commission for the Union and also for most of the States. Two or more States may agree to have only one Commission for the group. Appointment of members of the Commission are made by the President or the Governor or Rajpramukh as the case may be. The Commission conducts examinations for appointments to the services of the Union or the State. The Union Commission submits an annual report to the President.

ELECTIONS

All elections are directed and controlled by an Election Commission. Elections to the House of the People and the Legislative Assemblies of the States are on the basis of adult suffrage. Seats are reserved in the House of the People for the Scheduled Castes and the Scheduled Tribes.

The President may nominate not more than two members of the Anglo-Indian community to the House of the People if he thinks that the community is not adequately represented. Similar power is given to the Governor or the Rajpramukh of a State.

The claims of the Schedule Castes and the Scheduled Tribes are to be considered in making appointments to services, and for two years after the commencement of the Constitution the Anglo-Indians were to have the same proportion in the services as they had immediately before 15th August 1947. This reservation is to be progressively reduced by 10 per cent every two years in such a way that it is to cease completely ten years after the commencement of the Constitution.

In fact all reservation including reservation of seats for Scheduled and Tribal classes are to cease ten years after the commencement of the Constitution.

A special officer for the Scheduled Castes and the Schedule Tribes has been appointed.

OFFICIAL LANGUAGE

Hindi in the Devanagari script is the official language of the Union and the form of numerals is the international form of the Indian numerals.

The English language, however, will continue to be the official language for a period of not more than fifteen years from the commencement of the Constitution.

The official language of the Union, i.e., English will be used for communication between the Union and a State or between one State and another. However, if two States agree Hindi may be used instead of English between them.

All proceedings in the Supreme Court and High Courts, the texts of Bills and Acts passed by the legislatures and ordinances promulgated by the appropriate authorities are to be in the English language, until Parliament by law provides otherwise.

By previous consent of the President proceedings in a High Court may be conducted in Hindi or any recognised State language but judgments, decrees or orders passed by the court must be in English.

It is the duty of the Union Government to promote and spread the Hindi language. The vocabulary for the development of the language is to be drawn primarily from Sanskrit.

The States have been given the liberty of adopting any one or more languages used in their territory or Hindi as the official language of the State.

The following languages are recognised by the Constitution: (1) Assamese, (2) Bengali, (3) Gujarati, (4) Hindi, (5) Kannada, (6) Kashmiri, (7) Malayalam, (8) Marathi, (9) Oriya, (10) Punjabi, (11) Sanskrit, (12) Tamil, (13) Telugu, (14) Urdu.

A commission is to be appointed by the President, at the expiration of five years from the commencement of the Constitution, to make recommendations to him, as regards the progressive use of the Hindi language for official purposes of the Union, and other allied matters.

EMERGENCY PROVISIONS

If the President is satisfied that a grave emergency exists, and the security of India or any part thereof is threatened either by war or internal disturbance, he may make a declaration to that effect. Such proclamation must be approved by both the Houses of Parliament, before the expiration of two months, otherwise it ceases to operate at the end of that period. As a result of this proclamation the Parliament will be authorised to legislate on items included in the State list and the President, to issue directions either to the Governor or the Rajpramukh as the case may be. Parliament can validate such a proclamation for a period of three years which is the maximum.

A request for a declaration of emergency may also come from a State authority.

This, however, would not be applicable to the functions of the High Courts. Somewhat similar provision is also made for financial emergency.

AMENDMENT OF THE CONSTITUTION

For purposes of amendment the items are divided into three classes with a different procedure for each class.

For amendment of the provision with respect to the Supreme Court and the High Courts, the distribution of legislative powers between the Centre and the States, the representation of the States in Parliament, etc., the amendment must be passed by both the Houses of Parliament by a majority of the total membership of the House and by a majority of two-thirds of the members present and voting, and must further be ratified by the legislatures of not less than one-half of the States.

In other cases no reference to the State legislatures is necessary. Parliament by itself can amend the Constitution in the manner mentioned above. In some cases amendments can be effected even by a bare majority such as is required for the passing of any ordinary law. The amendments contemplated in Articles 4, 169 and 240 fall within this class.

RE-ALLOCATION OF SEATS

The Census of 1952 made changes in the composition of the legislatures inevitable. Accordingly a Delimitation Commission was set up and certain orders made. The composition of the legislatures as laid down in these orders is given below. They will come into force at the next general election.

The distribution of seats in the House of the People will be as follows. The second column gives the member reserved for the Scheduled Castes and the third column the number reserved for the Scheduled Tribes:

PART A STATES

1. Andhra	28	4	1
2. Assam	12	1	2
3. Bihar	55	7	6
4. Bombay	49	4	5
5. Madhya Pradesh	29	4	3
6. Madras	49	8	Nil
7. Orissa	20	4	4
8. Punjab	17	3	Nil
9. Uttar Pradesh	86	16	Nil
10. West Bengal	34	6	2

PART B STATES

1. Hyderabad	25	Nil	Nil
2. Jammu & Kashmir	6	Nil	Nil
3. Madhya Bharat	11	2	1
4. Mysore	13	2	Nil
5. PEPSU	5	1	Nil
6. Rajasthan	21	2	Nil
7. Saurashtra	6	Nil	Nil
8. Travancore-Cochin	13	1	Nil

PART C STATES

1. Ajmer	1	Nil	Nil
2. Bhopal	2	Nil	Nil
3. Bilaspur	1	Nil	Nil
4. Coorg	1	Nil	Nil
5. Delhi	3	Nil	Nil
6. Himachal Pradesh	2	Nil	Nil
7. Kutch	2	Nil	Nil
8. Manipur	2	Nil	1
9. Tripura	2	Nil	1
10. Vindhya Pradesh	5	1	1

The composition of the various State legislatures is as follows. The second and the third columns show the number of seats assigned to the Scheduled Castes and the Scheduled Tribes respectively:

PART A STATES

1. Andhra	196	26	5
2. Assam	108	5	9
3. Bihar	330	41	33
4. Bombay	294	25	27
5. Madhya Pradesh	232	32	27
6. Madras	245	39	1
7. Orissa	140	25	28
8. Punjab	119	22	Nil
9. Uttar Pradesh	430	78	Nil
10. West Bengal	238	45	11

PART B STATES

1. Hyderabad	175	Nil	3
2. Madhya Bharat	99	16	13
3. Mysore	117	21	Nil
4. PEPSU	60	12	Nil
5. Rajasthan	168	18	3
6. Saurashtra	60	Nil	1
7. Travancore-Cochin	117	11	Nil

About the Assam Legislative Assembly out of the 108 seats assigned 18 seats will be reserved for the autonomous districts of that State as shown below:—

United Khasi and Jaintia Hills district 5; Garo Hills district, 4; Lushai Hills district, 3; Naga Hills district, 3; North Cachar Hills, 1; Mikir Hills, 2.

DIVISION OF POWER

The following is the full text of the Seventh Schedule showing the three lists of subjects. List I is the Union list showing the subjects that are exclusively under the jurisdiction of the Central Government; List II shows the subjects that are under the jurisdiction of the individual States; and List III shows subjects on which both the Central and State Governments can legislate:

LIST I—UNION LIST

1. Defence of India and every part thereof including preparation for defence and all such acts as may be conducive in times of war to its prosecution and after its termination to effective demobilisation.
2. Naval, military and air forces; any other armed forces of the Union.
3. Delimitation of cantonment areas, local self-government in such areas, the constitution and powers within such areas of cantonment authorities and the regulation of house accommodation (including the control of rents) in such areas.
4. Naval, military and air force works.
5. Arms, firearms, ammunition and explosives.
6. Atomic energy and mineral resources necessary for its production.
7. Industries declared by Parliament by law to be necessary for the purpose of defence or for the prosecution of war.
8. Central Bureau of Intelligence and Investigation.
9. Preventive detention for reasons connected with Defence, Foreign Affairs, or the security of India; persons subjected to such detention.
10. Foreign Affairs; all matters which bring the Union into relation with any foreign country.
11. Diplomatic, Consular and trade representation.
12. United Nations Organisation.
13. Participation in international conferences, associations and other bodies and implementing of decisions made thereat.
14. Entering into treaties and agreements with foreign countries and implementing of treaties, agreements and conventions with foreign countries.
15. War and peace.
16. Foreign jurisdiction.
17. Citizenship, naturalisation and aliens.
18. Extradition.
19. Admission into, and emigration and expulsion from India; passports and visas.
20. Pilgrimages to places outside India.
21. Piracies and crimes committed on the high seas or in the air; offences against the law of nations committed on land or the high seas or in the air.
22. Railways.
23. Highways declared by or under law made by Parliament to be national highways.
24. Shipping and navigation on inland waterways, declared by Parliament by law to be national waterways, as regards mechanically propelled vessels; the rule of the road on such waterways.
25. Maritime shipping and navigation, including shipping and navigation on tidal waters; provision of education and training for the mercantile marine and regulation of such education and training provided by States and other agencies.
26. Lighthouses, including lightships, beacons and other provision for the safety of shipping and aircraft.
27. Ports declared by or under law made by Parliament or existing law to be major ports, including their delimitation, and the constitution and powers of port authorities therein.
28. Port quarantine, including hospitals connected therewith; seamen's and marine hospitals.
29. Airways; aircraft and air navigation; provision of aerodromes; regulation and organisation of air traffic and of aerodromes; provision for aeronautical education and training and regulation of such education and training provided by States and other agencies.
30. Carriage of passengers and goods by railway, sea or air, or by national waterways in mechanically propelled vessels.
31. Posts and telegraphs; telephones, wireless, broadcasting and other like forms of communication.
32. Property of the Union and the revenue therefrom, but as regards property situated in a State specified in Part A or Part B of the First Schedule subject to legislation by the State, save in so far as Parliament by law otherwise provides.
33. Acquisition or requisitioning of property for the purposes of the Union.
34. Courts of wards for the estates of Rulers of Indian States.
35. Public debt of the Union.
36. Currency, coinage and legal tender; foreign exchange.
37. Foreign loans.
38. Reserve Bank of India.
39. Post Office Savings Bank.
40. Lotteries organised by the Government of India or the Government of a State.
41. Trade and commerce with foreign countries; import and export across customs frontiers; definition of customs frontiers.
42. Inter-State trade and commerce.
43. Incorporation, regulation and winding up of trading corporations, including banking, insurance and financial corporations but not including co-operative societies.
44. Incorporation, regulation and winding up of corporations, whether trading or not, with objects not confined to one State, but not including universities.
45. Banking.
46. Bills of exchange, cheques, promissory notes and other like instruments.
47. Insurance.
48. Stock exchanges and futures markets.
49. Patents, inventions and designs; copyright; trade-marks and merchandise marks.
50. Establishment of standards of weight and measure.
51. Establishment of standards of quality for goods to be exported out of India or transported from one State to another.
52. Industries, the control of which by the Union is declared by Parliament by law to be expedient in the public interest.
53. Regulation and development of oilfields and mineral oil resources; petroleum and petroleum products; other liquids and substances declared by Parliament by law to be dangerously inflammable.
54. Regulation of mines and mineral development to the extent to which such regulation and development under the control of the Union is declared by Parliament by law to be expedient in the public interest.
55. Regulation of labour and safety in mines and oilfields.
56. Regulation and development of inter-State rivers and river valleys to the extent to which such regulation and development under the control of the Union is declared by Parliament by law to be expedient in the public interest.
57. Fishing and fisheries beyond territorial waters.
58. Manufacture, supply and distribution of salt by Union agencies; regulation and control of manufacture, supply and distribution of salt by other agencies.
59. Cultivation, manufacture, and sale for export, of opium.
60. Sanctioning of cinematograph films for exhibition.
61. Industrial disputes concerning Union employees.
62. The institutions known at the commencement of this Constitution as the National Library, the Indian Museum, the Imperial War Museum, the Victoria Memorial and the Indian War Memorial, and any other like institution financed by the Government of India wholly or in part and declared by Parliament by law to be an institution of national importance.
63. The institutions known at the commencement of this Constitution as the Benares Hindu University, the Aligarh Muslim University and the Delhi University, and any other institution declared by Parliament by law to be an institution of national importance.
64. Institutions for scientific or technical education financed by the Government of India wholly or in part and declared by Parliament by law to be institutions of national importance.
65. Union agencies and institutions for—
 - (a) professional, vocational or technical training, including the training of police officers; or
 - (b) the promotion of special studies or research; or
 - (c) scientific or technical assistance in the investigation or detection of crime.
66. Co-ordination and determination of standards in institutions for higher education or research and scientific and technical institutions.
67. Ancient and historical monuments and records, and archaeological sites and remains, declared by Parliament by law to be of national importance.
68. The Survey of India, the Geological, Botanical, Zoological and Anthropological Surveys of India; Meteorological organisations.
69. Census.
70. Union public services; all-India services Union Public Service Commission.
71. Union pensions, that is to say, pensions payable by the Government of India or out of the Consolidated Fund of India.
72. Elections to Parliament, to the Legislatures of States and to the offices of President and Vice-President; the Election Commission.
73. Salaries and allowances of members of Parliament, the Chairman and Deputy Chairman of the Council of States and the Speaker and Deputy Speaker of the House of the People.
74. Powers, privileges and immunities of each House of Parliament and of the members and the committees of each House; enforcement of attendance of persons for giving evidence or producing documents before committees of Parliament or commissions appointed by Parliament.
75. Emoluments, allowances, privileges and rights in respect of leave of absence, of the President and Governors; salaries and allowances of the Ministers for the Union; the salaries, allowances, and rights in respect of leave of absence and other conditions of service of the Comptroller and Auditor-General.

76. Audit of the accounts of the Union and of the States.

77. Constitution, organisation, jurisdiction and powers of the Supreme Court (including contempt of such Court), and the fees taken therein; persons entitled to practise before the Supreme Court.

78. Constitution and organisation of the High Courts except provisions as to officers and servants of High Courts; persons entitled to practise before the High Courts.

79. Extension of the jurisdiction of a High Court having its principal seat in any State to, and exclusion of the jurisdiction of any such High Court from, any area outside that State.

80. Extension of the powers and jurisdiction of members of a police force belonging to any State to any area outside that State, but not so as to enable the police of one State to exercise powers and jurisdiction in any area outside that State without the consent of the Government of the State in which such area is situated; extension of the powers and jurisdiction of members of a police force belonging to any State to railway areas outside that State.

81. Inter-State migration; inter-State quarantine.

82. Taxes on income other than agricultural income.

83. Duties of customs including export duties.

84. Duties of excise on tobacco and other goods manufactured or produced in India except—

- (a) alcoholic liquors for human consumption;
- (b) opium, Indian hemp and other narcotic drugs and narcotics,

but including medicinal and toilet preparations containing alcohol or any substance included in sub-paragraph (b) of this entry.

85. Corporation tax.

86. Taxes on the capital value of the assets, exclusive of agricultural land, of individuals and companies; taxes on the capital of companies.

87. Estate duty in respect of property other than agricultural land.

88. Duties in respect of succession to property other than agricultural land.

89. Terminal taxes on goods or passengers, carried by railway, sea or air; taxes on railway fares and freights.

90. Taxes other than stamp duties on transactions in stock exchanges and futures markets.

91. Rates of stamp duty in respect of bills of exchange, cheques, promissory notes, bills of lading, letters of credit, policies of insurance, transfer of shares, debentures, proxies and receipts.

92. Taxes on the sale or purchase of newspapers and on advertisements published therein.

93. Offences against laws with respect to any of the matters in this List.

94. Inquiries, surveys and statistics for the purpose of any of the matters in this List.

95. Jurisdiction and powers of all courts, except the Supreme Court, with respect to any of the matters in this List; admiralty jurisdiction.

96. Fees in respect of any of the matters in this List, but not including fees taken in any court.

97. Any other matter not enumerated in List II or List III including any tax not mentioned in either of those Lists

LIST II—STATE LIST

1. Public order (but not including the use of naval, military or air forces or any other armed forces of the Union in aid of the civil power).

2. Police, including railway and village police.

3. Administration of justice; constitution and organisation of all courts, except the Supreme Court and the High Court; officers and servants of the High Court; procedure in rent and revenue courts; fees taken in all courts except the Supreme Court.

4. Prisons, reformatories, Borstal institutions and other institutions of a like nature, and persons detained therein; arrangements with other States for the use of prisons and other institutions.

5. Local government, that is to say, the constitution and powers of municipal corporations, improvement trusts, district boards, mining settlement authorities and other local authorities for the purpose of local self-government or village administration.

6. Public health and sanitation; hospitals and dispensaries.

7. Pilgrimages, other than pilgrimages to places outside India.

8. Intoxicating liquors, that is to say, the production, manufacture, possession, transport, purchase and sale of intoxicating liquors.

9. Relief of the disabled and unemployable.

10. Burials and burial grounds; cremations and cremation grounds.

11. Education including universities, subject to the provisions of entries 63, 64, 65 and 66 of List I and entry 25 of List II.

12. Libraries, museums and other similar institutions controlled or financed by the State; ancient and historical monuments and records other than those declared by Parliament by law to be of national importance.

13. Communications, that is to say, roads, bridges, ferries, and other means of communication not specified in List I; municipal tramways; ropeways; inland waterways and traffic thereon subject to the provisions of List I and List III with regard to such waterways; vehicles other than mechanically propelled vehicles.

14. Agriculture, including agricultural education and research, protection against pests and prevention of plant diseases.

15. Preservation, protection and improvement of stock and prevention of animal diseases; veterinary training and practice.

16. Pounds and the prevention of cattle trespass.

17. Water, that is to say, water supplies, irrigation and canals, drainage and embankments, water storage and water power subject to the provisions of entry 56 of List I.

*18. Land, that is to say, rights in or over land, land tenures including the relation of landlord and tenant, and the collection of rents; transfer and alienation of agricultural land; land improvement and agricultural loans; colonization.

19. Forests.

20. Protection of wild animals and birds.

21. Fisheries.

22. Courts of wards subject to the provisions of entry 34 of List I; encumbered and attached estates.

23. Regulation of mines and mineral development subject to the provisions of List I with respect to regulation and development under the control of the Union.

24. Industries subject to the provisions of entry 52 of List I.

25. Gas and gas-works.

26. Trade and commerce within the State subject to the provisions of entry 33 of List III.

27. Production, supply and distribution of goods subject to the provisions of entry 33 of List III.

28. Markets and fairs.

29. Weights and measures except establishment of standards.

*30. Money-lending and money-lenders; relief of agricultural indebtedness.

31. Inns and inn-keepers.

32. Incorporation, regulation and winding up of corporations, other than those specified in List I, and universities; unincorporated trading, literary, scientific, religious and other societies and associations; co-operative societies.

33. Theatres and dramatic performances; cinemas subject to the provisions of entry 60 of List I; sports, entertainments and amusements.

34. Betting and gambling.

35. Works, lands and buildings vested in or in the possession of the State.

36. Acquisition or requisitioning of property, except for the purposes of the Union, subject to the provisions of entry 42 of List III.

37. Elections to the Legislature of the State subject to the provisions of any law made by Parliament.

38. Salaries and allowances of members of the Legislature of the State, of the Speaker and Deputy Speaker of the Legislative Assembly and, if there is a Legislative Council, of the Chairman and Deputy Chairman thereof.

39. Powers, privileges and immunities of the Legislative Assembly and of the members and the committees thereof, and, if there is a Legislative Council, of that Council and of the members and the committees thereof; enforcement of attendance of persons for giving evidence or producing documents before committees of the Legislature of the State.

40. Salaries and allowances of Ministers for the State.

41. State public services; State Public Service Commission.

42. State pensions, that is to say, pensions payable by the State or out of the Consolidated Fund of the State.

43. Public debt of the State.

44. Treasure trove.

45. Land revenue, including the assessment and collection of revenue, the maintenance of land records, survey for revenue purposes and records of rights, and alienation of revenues.

46. Taxes on agricultural income.

47. Duties in respect of succession to agricultural land.

48. Estate duty in respect of agricultural land.

49. Taxes on lands and buildings.

50. Taxes on mineral rights subject to any limitations imposed by Parliament by law relating to mineral development.

*A resolution empowering the Centre to legislate on certain items in the State List with a view to separating the admixture of non-evacuee interest in evacuee property has been passed by Parliament.

These rights relate to Entries 18 and 30 in the State List and comprise rights in or over land, transfer and alienation of agricultural land, money-lending, and money-lenders and relief of agricultural indebtedness.

Such separation of non-evacuee interest in evacuee property, would allow more accurate definition of the "dimensions" of evacuee property. Admixture existed in cases where evacuee property was mortgaged to a non-evacuee and *vice versa* and where only a part-share of a number of co-sharers was declared evacuee property.

Since evacuee property was scattered all over the country, individual investments by States under Entries 18 and 30 would result in a lack of uniformity.

51. Duties of excise on the following goods manufactured or produced in the State and countervailing duties at the same or lower rates on similar goods manufactured or produced elsewhere in India :—

- (a) alcoholic liquors for human consumption;
- (b) opium, Indian hemp and other narcotic drugs and narcotics;

but not including medicinal and toilet preparations containing alcohol or any substance included in sub-paragraph (b) of this entry.

52. Taxes on the entry of goods into a local area for consumption, use or sale therein.

53. Taxes on the consumption or sale of electricity.

54. Taxes on the sale or purchase of goods other than newspapers.

55. Taxes on advertisements other than advertisements published in the newspapers.

56. Taxes on goods and passengers carried by road or on inland waterways.

57. Taxes on vehicles, whether mechanically propelled or not, suitable for use on roads including tramcars subject to the provisions of entry 35 of List III.

58. Taxes on animals and boats.

59. Tolls.

60. Taxes on professions, trades, callings and employments.

61. Capitation taxes.

62. Taxes on luxuries, including taxes on entertainments, amusements, betting and gambling.

63. Rates of stamp duty in respect of documents other than those specified in the provisions of List I with regard to rates of stamp duty.

64. Offences against laws with respect to any of the matters in this List.

65. Jurisdiction and powers of all courts, except the Supreme Court, with respect to any of the matters in this List.

66. Fees in respect of any of the matters in this List, but not including fees taken in any court.

LIST III—CONCURRENT LIST

1. Criminal law, including all matters included in the Indian Penal Code at the commencement of this Constitution but excluding offences against laws with respect to any of the matters specified in List I or List II and excluding the use of naval, military or air forces or any other armed forces of the Union in aid of the civil power.

2. Criminal procedure, including all matters included in the Code of Criminal Procedure at the commencement of this Constitution.

3. Preventive detention for reasons connected with the security of a State, the maintenance of public order, or the maintenance of supplies

and services essential to the community; persons subjected to such detention.

4. Removal from one State to another State of prisoners, accused persons and persons subjected to preventive detention for reasons specified in entry 3 of this List.

5. Marriage and divorce; infants and minors; adoption; wills, intestacy and succession; joint family and partition; all matters in respect of which parties in judicial proceedings were immediately before the commencement of this Constitution subject to their personal law.

6. Transfer of property other than agricultural land; registration of deeds and documents.

7. Contracts, including partnership, agency, contracts of carriage, and other special forms of contracts, but not including contracts relating to agricultural land.

8. Actionable wrongs.

9. Bankruptcy and Insolvency.

10. Trust and Trustees.

11. Administrators-general and official trustees.

12. Evidence and oaths; recognition of laws, public acts and records, and judicial proceedings.

13. Civil procedure, including all matters included in the Code of Civil Procedure at the commencement of this Constitution, limitation and arbitration.

14. Contempt of court, but not including contempt of the Supreme Court.

15. Vagrancy; nomadic and migratory tribes.

16. Lunacy and mental deficiency, including places for the reception or treatment of lunatics and mental deficient.

17. Prevention of cruelty to animals.

18. Adulteration of foodstuffs and other goods.

19. Drugs and poisons, subject to the provisions of entry 59 of List I with respect to opium.

20. Economic and social planning.

21. Commercial and industrial monopolies, combines and trusts.

22. Trade Unions; industrial and labour disputes.

23. Social security and social insurance; employment and unemployment.

24. Welfare of labour including conditions of work, provident funds, employers' liability, workmen's compensation, invalidity and old age pensions and maternity benefits.

25. Vocational and technical training of labour.

26. Legal, medical and other professions.

27. Relief and rehabilitation of persons displaced from their original place of residence by reason of the setting up of the Dominions of India and Pakistan.

28. Charities and charitable institutions, charitable and religious endowments and religious institutions.

29. Prevention of the extension from one State to another of infectious or contagious diseases or pests affecting men, animals or plants.

30. Vital statistics including registration of births and deaths.

31. Ports other than those declared by or under law made by Parliament or existing law to be major ports.

32. Shipping and navigation on inland waterways as regards mechanically propelled vessels, and the rule of the road on such waterways, and the carriage of passengers and goods on inland waterways subject to the provisions of List I with respect to national waterways.

33. Trade and commerce in, and the production, supply and distribution of, the products of industries where the control of such industries by the Union is declared by Parliament by law to be expedient in the public interest.

34. Price control.

35. Mechanically propelled vehicles including the principles on which taxes on such vehicles are to be levied.

36. Factories.

37. Boilers.

38. Electricity.

39. Newspapers, books and printing presses.

40. Archaeological sites and remains other than those declared by Parliament by law to be of national importance.

41. Custody, management and disposal of property (including agricultural land) declared by law to be evacuee property.

42. Principles on which compensation for property acquired or requisitioned for the purposes of the Union or of a State or for any other public purpose is to be determined, and the form and the manner in which such compensation is to be given.

43. Recovery in a State of claims in respect of taxes and other public demands, including arrears of land-revenue and sums recoverable as such arrears, arising outside that State.

44. Stamp duties other than duties or fees collected by means of judicial stamps, but not including rates of stamp duty.

45. Inquiries and statistics for the purposes of any of the matters specified in List II or List III.

46. Jurisdiction and powers of all courts, except the Supreme Court, with respect to any of the matters in this List.

47. Fees in respect of any of the matters in this List, but not including fees taken in any court.

FUNDAMENTAL RIGHTS

The following is the full text of the Fundamental Rights and the Directive Principles Articles of the Constitution, showing the numbers of the Articles :

GENERAL

12. In this Part, unless the context otherwise requires, "the State" includes the Government and Parliament of India and the Government and the Legislature of each of the States and all local or other authorities within the territory of India or under the control of the Government of India.

13. (1) All laws in force in the territory of India immediately before the commencement of this Constitution, in so far as they are inconsistent with the provisions of this Part, shall, to the extent of such inconsistency, be void.

(2) The State shall not make any law which takes away or abridges the rights conferred by this Part and any law made in contravention of this clause shall, to the extent of the contravention, be void.

(3) In this article, unless the context otherwise requires—

(a) "law" includes any Ordinance, order, bye-law, rule, regulation, notification, custom or usage having in the territory of India the force of law;

(b) "laws in force" includes laws passed or made by a Legislature or other competent authority in the territory of India before the commencement of this Constitution and not previously repealed, notwithstanding that any such law or

any part thereof may not be then in operation either at all or in particular areas.

RIGHT TO EQUALITY

14. The State shall not deny to any person equality before the law or the equal protection of the laws within the territory of India.

15. (1) The State shall not discriminate against any citizen on grounds only of religion, race, caste, sex, place of birth or any of them.

(2) No citizen shall, on grounds only of religion, race, caste, sex, place of birth or any of them, be subject to any disability, liability, restriction or condition with regard to—

(a) access to shops, public restaurants, hotels and places of public entertainment; or

(b) the use of wells, tanks, bathing ghats, roads and places of public resort maintained wholly or partly out of State funds or dedicated to the use of the general public.

(3) Nothing in this article shall prevent the State from making any special provision for women and children.

(4) Nothing in this article or in clause (2) of article 29 shall prevent the State from making any special provision for the advancement of any socially and educationally backward classes of citizens or for the Scheduled Castes and the Scheduled Tribes.

16. (1) There shall be equality of opportunity for all citizens in matters relating to employment or appointment to any office under the State.

(2) No citizen shall, on grounds only of religion, race, caste, sex, descent, place of birth, residence or any of them, be ineligible for, or discriminated against in respect of, any employment or office under the State.

(3) Nothing in this article shall prevent Parliament from making any law prescribing, in regard to a class or classes of employment or appointment to an office under any State specified in the First Schedule or any local or other authority within its territory, any requirement as to residence within that State prior to such employment or appointment.

(4) Nothing in this article shall prevent the State from making any provision for the reservation of appointments or posts in favour of any backward class of citizens which, in the opinion of the State, is not adequately represented in the services under the State.

(5) Nothing in this article shall affect the operation of any law which provides that the incumbent of an office in connection with the affairs of any religious or denominational institution or any member of the governing body thereof shall be a person professing a particular religion or belonging to a particular denomination.

17. "Untouchability" is abolished and its practice in any form is forbidden. The enforcement of any disability arising out of "Untouchability" shall be an offence punishable in accordance with law.

18. (1) No title, not being a military or academic distinction, shall be conferred by the State.

(2) No citizen of India shall accept any title from any foreign State.

(3) No person who is not a citizen of India shall, while he holds any office of profit or trust under the State, accept without the consent of the President any title from any foreign State.

(4) No person, holding any office of profit or trust under the State shall, without the consent of the President, accept any present, emolument, or office of any kind from or under any foreign State.

RIGHT TO FREEDOM

19. (1) All citizens shall have the right—

- (a) to freedom of speech and expression;
- (b) to assemble peaceably and without arms;
- (c) to form associations or unions;
- (d) to move freely throughout the territory of India;
- (e) to reside and settle in any part of the territory of India;
- (f) to acquire, hold and dispose of property;
- (g) to practise any profession, or to carry on any occupation, trade or business.

(2) Nothing in sub-clause (a) of clause (1) shall affect the operation of any existing law or prevent the State from making any law in so far as such law imposes reasonable restrictions on the exercise of the right conferred by the said sub-clause in the interest of the security of the State, friendly relations with foreign States, public order, decency or morality, including in particular, any existing or other law relating to contempt of court, defamation or incitement to an offence.

(3) Nothing in sub-clause (b) of the said clause shall affect the operation of any existing law in so far as it imposes, or prevent the State from making any law imposing, in the interests of public order, reasonable restrictions on the exercise of the right conferred by the said sub-clause.

(4) Nothing in sub-clause (c) of the said clause shall affect the operation of any existing law in so far as it imposes, or prevent the State from making any law imposing, in the interests of public order or morality, reasonable restrictions on the exercise of the right conferred by the said sub-clause.

(5) Nothing in sub-clauses (d), (e) and (f) of the said clause shall affect the operation of any existing law in so far as it imposes, or prevent the State from making any law imposing, reasonable restrictions on the exercise of any of the rights conferred by the said sub-clauses either in the interests of the general public or for the protection of the interests of any Scheduled Tribe.

(6) Nothing in sub-clause (g) of the said clause shall affect the operation of any existing law in so far as it imposes, or prevent the State from making any law imposing, in the interests of the general public, reasonable restrictions on the exercise of the right conferred by the said sub-clause, and, in particular, nothing in the said sub-clause shall affect the operation of any existing law in so far as it relates to, or prevents the State from making any law relating to—

- (i) the professional or technical qualifications necessary for practising any profession or carrying on any occupation, trade or business, or
- (ii) the carrying on by the State, or by a corporation owned or controlled by the State, of any trade, business, industry or service, whether to the exclusion, complete or partial, of citizens or otherwise.

No law in force in the territory of India immediately before the commencement of the constitution which is consistent with the provisions of article 19 as amended shall be deemed to be void, or ever to have become void, on the ground that, being a law which takes away or abridges the right conferred by sub-clause (a) of clause (1) of the said article, its operation was not saved by sub-clause (2) of that article as originally enacted.

Explanation—In this clause the expression "law in force" has the same meaning as in clause (1) of article 13 of the constitution.

20. (1) No person shall be convicted of any offence except for violation of a law in force at the time of the commission of the act charged as an offence, nor be subjected to a penalty greater than that which might have been inflicted under the law in force at the time of the commission of the offence.

(2) No person shall be prosecuted and punished for the same offence more than once.

(3) No person accused of any offence shall be compelled to be a witness against himself.

21. No person shall be deprived of his life or personal liberty except according to procedure established by law.

22. (1) No person who is arrested shall be detained in custody without being informed, as soon as may be, of the grounds for such arrest nor shall he be denied the right to consult, and to be defended by, a legal practitioner of his choice.

(2) Every person who is arrested and detained in custody shall be produced before the nearest magistrate within a period of twenty-four hours of such arrest excluding the time necessary for the journey from the place of arrest to the court of the magistrate and no such person shall be detained in custody beyond the said period without the authority of a magistrate.

(3) Nothing in clauses (1) and (2) shall apply—

(a) to any person who for the time being is an enemy alien; or

(b) to any person who is arrested or detained under any law providing for preventive detention.

(4) No law providing for preventive detention shall authorise the detention of a person for a longer period than three months unless—

(a) an Advisory Board consisting of persons who are, or have been, or are qualified to be appointed as, Judges of a High Court has reported before the expiration of the said period of three months that there is in its opinion sufficient cause for such detention;

Provided that nothing in this sub-clause shall authorise the detention of any person beyond the maximum period prescribed by any law made by Parliament under sub-clause (b) of clause (7); or

(b) such person is detained in accordance with the provisions of any law made by Parliament under sub-clauses (a) and (b) of clause (7).

(5) When any person is detained in pursuance of an order made under any law providing for preventive detention, the authority making the order shall, as soon as may be, communicate to such person the grounds on which the order has been made and shall afford him the earliest opportunity of making a representation against the order.

(6) Nothing in clause (5) shall require the authority making any such order as is referred to in that clause to disclose facts which such authority considers to be against the public interest to disclose.

(7) Parliament may by law prescribe—

(a) the circumstances under which, and the class or classes of cases in which, a person may be detained for a period longer than three months under any law providing for preventive detention without obtaining the opinion of an Advisory Board in accordance with the provisions of sub-clause (a) of clause (4);

(b) the maximum period for which any person may in any class or classes of cases be detained under any law providing for preventive detention; and

(c) the procedure to be followed by an Advisory Board in an inquiry under sub-clause (a) of clause (4).

RIGHT AGAINST EXPLOITATION

23. (1) Traffic in human beings and *begar* and other similar forms of forced labour are prohibited and any contravention of this provision shall be an offence punishable in accordance with law.

(2) Nothing in this article shall prevent the State from imposing compulsory service for public purposes, and in imposing such service the State shall not make any discrimination on grounds only of religion, race, caste or class or any of them.

24. No child below the age of fourteen years shall be employed to work in any factory or mine or engaged in any other hazardous employment.

RIGHT TO FREEDOM OF RELIGION

25. (1) Subject to public order, morality and health and to the other provisions of this Part, all persons are equally entitled to freedom of conscience and the right freely to profess, practise and propagate religion.

(2) Nothing in this article shall affect the operation of any existing law or prevent the State from making any law—

(a) regulating or restricting any economic, financial, political or other secular activity which may be associated with religious practice;

- (b) providing for social welfare and reform or the throwing open of Hindu religious institutions of a public character to all classes and sections of Hindus.

Explanation I.—The wearing and carrying of *kirpans* shall be deemed to be included in the profession of the Sikh religion.

Explanation II.—In sub-clause (b) of clause (2), the reference to Hindus shall be construed as including a reference to persons professing the Sikh, Jaina or Buddhist religion, and the reference to Hindu religious institutions shall be construed accordingly.

26. Subject to public order, morality and health, every religious denomination or any section thereof shall have the right—

- (a) to establish and maintain institutions for religious and charitable purposes;
- (b) to manage its own affairs in matters of religion;
- (c) to own and acquire movable and immovable property; and
- (d) to administer such property in accordance with law.

27. No person shall be compelled to pay any taxes, the proceeds of which are specifically appropriated in payment of expenses for the promotion or maintenance of any particular religion or religious denomination.

28. (1) No religious instruction shall be provided in any educational institution wholly maintained out of State funds.

(2) Nothing in clause (1) shall apply to an educational institution which is administered by the State but has been established under any endowment or trust which requires that religious instruction shall be imparted in such institution.

(3) No person attending any educational institution recognised by the State or receiving aid out of State funds shall be required to take part in any religious instruction that may be imparted in such institution or to attend any religious worship that may be conducted in such institution or in any premises attached thereto unless such person or, if such person is a minor, his guardian has given his consent thereto.

CULTURAL AND EDUCATIONAL RIGHTS

29. (1) Any section of the citizens residing in the territory of India or any part thereof having a distinct language, script or culture of its own shall have the right to conserve the same.

(2) No citizen shall be denied admission into any educational institution maintained by the State or receiving aid out of State funds on grounds only of religion, race, caste, language or any of them.

30. (1) All minorities, whether based on religion or language, shall have the right to establish and administer educational institutions of their choice.

(2) The State shall not, in granting aid to educational institutions, discriminate against any educational institution on the ground that it is under the management of a minority, whether based on religion or language.

RIGHT TO PROPERTY

31. (1) No person shall be deprived of his property save by authority of law.

(2) No property, movable or immovable, including any interest in, or in any company owning, any commercial or industrial undertaking, shall be taken possession of or acquired for public purposes under any law authorising the taking of such possession or such acquisition, unless the law provides for compensation for the property taken possession of or acquired and either fixes the amount of the compensation, or specifies the principles on which, and the manner in which, the compensation is to be determined and given.

(3) No such law as is referred to in clause (2) made by the Legislature of a State shall have effect unless such law, having been reserved for the consideration of the President, has received his assent.

(4) If any Bill pending at the commencement of this Constitution in the Legislature of a State has, after it has been passed by such Legislature, been reserved for the consideration of the President and has received his assent, then, notwithstanding anything in this Constitution, the law so assented to shall not be called in question in any court on the ground that it contravenes the provisions of clause (2).

(5) Nothing in clause (2) shall affect—

- (a) the provision of any existing law other than a law to which the provisions of clause (6) apply, or
- (b) the provisions of any law which the State may hereafter make—
 - (i) for the purpose of imposing or levying any tax or penalty, or
 - (ii) for the promotion of public health or the prevention of danger to life or property, or
 - (iii) in pursuance of any agreement entered into between the Government of the Dominion of India or the Government of India and the Government of any other country, or otherwise, with respect to property declared by law to be evacuee property.

(6) Any law of the State enacted not more than eighteen months before the commencement of this Constitution may within three months from such commencement be submitted to the President for his certification; and thereupon, if the President by public notification so certifies, it shall not be called in question in any court on the ground that it contravenes the provisions of clause (2) of this article or has contravened the provisions of sub-section (2) of section 299 of the Government of India Act, 1935.

31A. (1) Notwithstanding anything in the foregoing provisions of this Part, no law providing for the acquisition by the State of any estate or of any rights therein or for the extinguishment or modification of any such rights shall be deemed to be void on the ground that it is inconsistent with, or takes away or abridges any of the rights conferred by, any provisions of this Part.

Provided that where such law is a law made by the legislature of a State, the provisions of this article shall not apply thereto unless such law, having been reserved for the consideration of the President, has received his assent.

(2) In this article—

- (a) The expression 'estate' shall, in relation to any local area, have the same meaning as that expression or its local equivalent has in the existing law relating to land tenures in force in that area, and shall also include any Jagir, Inam or muafi or other similar grant;
- (b) the expression 'rights' in relation to an estate, shall include any rights vesting in proprietor, sub-proprietor, under-proprietor, tenure-holder or other intermediary and any rights or privileges in respect of land revenue.

31B. Without prejudice to the generality of the provisions contained in article 31A, none of the Acts and Regulations specified in the Ninth Schedule nor any of the provisions thereof shall be deemed to be void, or ever to have become void, on the ground that such Act, Regulation or provision is inconsistent with, or takes away or abridges any of the rights conferred by any provisions of this Part, and notwithstanding any judgement, decree or order of any court or tribunal to the contrary, each of the said Acts and Regulations shall, subject to the power of any competent Legislature to repeal or amend it, continue in force.

RIGHT TO CONSTITUTIONAL REMEDIES

32. (1) The right to move the Supreme Court by appropriate proceedings for the enforcement of the rights conferred by this Part is guaranteed.

(2) The Supreme Court shall have power to issue directions or orders or writs, including writs in the nature of *habeas corpus*, *mandamus*, *prohibition*, *quo warrant* and *certiorari*, whichever may be appropriate, for the enforcement of any of the rights conferred by this Part.

(3) Without prejudice to the powers conferred on the Supreme Court by clauses (1) and (2), Parliament may by law empower any other court to exercise within the local limits of its jurisdiction all or any of the powers exercisable by the Supreme Court under clause (2).

(4) The right guaranteed by this article shall not be suspended except as otherwise provided for by this Constitution.

33. Parliament may by law determine to what extent any of the rights conferred by this Part shall, in their application to the members of the Armed Forces or the Forces charged with the maintenance of public order, be restricted or abrogated so as to ensure the proper discharge of their duties and the maintenance of discipline among them.

34. Notwithstanding anything in the foregoing provisions of this Part, Parliament may by law indemnify any person in the service of the Union or of a State or any other person in respect of any act done by him in connection with the maintenance or restoration of order in any area within the territory of India where martial law was in force or validate any sentence passed, punishment inflicted, forfeiture ordered or other act done under martial law in such area.

35. Notwithstanding anything in this Constitution—

(a) Parliament shall have, and the Legislature of a State shall not have, power to make laws—

(i) with respect to any of the matters which under clause (3) of article 16, clause (3) of article 32, article 33 and article 34 may be provided for by law made by Parliament; and

(ii) for prescribing punishment for those acts which are declared to be offences under this Part;

and Parliament shall, as soon as may be after the commencement of this Constitution, make laws for prescribing punishment for the acts referred to in sub-clause (ii);

(b) any law in force immediately before the commencement of this Constitution in the territory of India with respect to any of the matters referred to in sub-clause (i) of clause (a) or providing for punishment for any act referred to in sub-clause (ii) of that clause shall, subject to the terms thereof and to any adaptations and modifications that may be made therein under article 372, continue in force until altered or repealed or amended by Parliament.

Explanation.—In this article, the expression "law in force" has the same meaning as in article 372.

DIRECTIVE PRINCIPLES OF STATE POLICY

36. In this Part, unless the context otherwise requires, "the State" has the same meaning as in Part III.

37. The provisions contained in this Part shall not be enforceable by any court, but the principles therein laid down are nevertheless fundamental in the governance of the country and it shall be the duty of the State to apply these principles in making laws.

38. The State shall strive to promote the welfare of the people by securing and protecting as effectively as it may a social order in which justice, social, economic and political, shall inform all the institutions of the national life.

39. The State shall, in particular, direct its policy towards securing—

- (a) that the citizens, men and women equally, have the right to an adequate means of livelihood;
- (b) that the ownership and control of the material resources of the community are so distributed as best to subserve the common good;
- (c) that the operation of the economic system does not result in the concentration of wealth and means of production to the common detriment;
- (d) that there is equal pay for equal work for both men and women;
- (e) that the health and strength of workers, men and women, and the tender age of children are not abused and that citizens are not forced by economic necessity to enter avocations unsuited to their age or strength;
- (f) that childhood and youth are protected against exploitation and against moral and material abandonment.

40. The State shall take steps to organise village panchayats and endow them with such powers and authority as may be necessary to enable them to function as units of self-government.

41. The State shall, within the limits of its economic capacity and development, make effective provision for securing the right to work, to education and to public assistance in cases of unemployment, old age, sickness and disablement, and in other cases of undeserved want.

42. The State shall make provision for securing just and humane conditions of work and for maternity relief.

43. The State shall endeavour to secure, by suitable legislation or economic organisation or in any other way, to all workers, agricultural, industrial or otherwise, work, a living wage, conditions of work ensuring a decent standard of life and full enjoyment of leisure and social and cultural opportunities and, in particular, the State shall endeavour to promote cottage industries on an individual or co-operative basis in rural areas.

44. The State shall endeavour to secure for the citizens a uniform civil code throughout the territory of India.

45. The State shall endeavour to provide, within a period of ten years from the commencement of this Constitution, for free and com-

pulsory education for all children until they complete the age of fourteen years.

46. The State shall promote with special care the educational and economic interests of the weaker sections of the people, and, in particular, of the Scheduled Castes and the Scheduled Tribes, and shall protect them from social injustice and all forms of exploitation.

47. The State shall regard the raising of the level of nutrition and the standard of living of its people and the improvement of public health as among its primary duties and, in particular, the State shall endeavour to bring about prohibition of the consumption except for medicinal purposes of intoxicating drinks and of drugs which are injurious to health.

48. The State shall endeavour to organise agriculture and animal husbandry on modern and scientific lines and shall, in particular, take steps for preserving and improving the breeds, and prohibiting the slaughter, of cows and calves and other milch and draught cattle.

49. It shall be the obligation of the State to protect every monument or place or object of artistic or historic interest, declared by Parliament by law to be of national importance, from spoliation, disfigurement, destruction, removal, disposal or export, as the case may be.

50. The State shall take steps to separate the judiciary from the executive in the public services of the State.

51. The State shall endeavour to—

- (a) promote international peace and security;
- (b) maintain just and honourable relations between nations;
- (c) foster respect for international law and treaty obligations in the dealings of organised peoples with one another, and
- (d) encourage settlement of international disputes by arbitration.

MISCELLANEOUS

SALARIES

The following salaries are statutorily fixed by the Constitution:

President—Rs. 10,000 p.m.; Governor—Rs. 5,500 p.m.; Chief Justice of the Supreme Court—Rs. 5,000 p.m.; Other judges of the Supreme Court—Rs. 4,000 p.m.; Chief Justice of Part A State—Rs. 4,000 p.m.; Other judges of High Courts of Part A States—Rs. 3,500 p.m.; Comptroller and Auditor-General of India—Rs. 4,000 p.m.

LANGUAGES

The following are the 14 languages recognized for State purposes under Articles 344(1) and 361:

Assamese; Bengali; Gujarati; Hindi; Kannada; Kashmiri; Malayalam; Marathi; Oriya; Punjabi; Sanskrit; Tamil; Telugu; Urdu.

ACTS, REGULATIONS

The following Acts and Regulations are listed in the Ninth Schedule to the Constitution. According to Art. 31B they cannot be declared null and void on the ground that they are inconsistent with the fundamental rights guaranteed by the Constitution.

1. The Bihar Land Reforms Act, 1950 (Bihar Act XXX of 1950).
2. The Bombay Tenancy and Agricultural Lands Act, 1948 (Bombay Act LXVII of 1948).
3. The Bombay Muleki Tenure Abolition Act 1949 (Bombay Act LXI of 1949).
4. The Bombay Taluqdari Tenure Abolition Act, 1949 (Bombay Act LXII of 1949).
5. The Panch Mahals Mehwasi Tenure Abolition Act, 1949 (Bombay Act LXIII of 1949).
6. The Bombay Khoti Abolition Act, 1950 (Bombay Act VI of 1950).
7. The Bombay Paragana and Kulkarni Watan Abolition Act, 1950 (Bombay Act LX of 1950).
8. The Madhya Pradesh Abolition of Proprietary Rights (Estates, Mahals, Alienated Lands) Act, 1950 (Madhya Pradesh Act I of 1951).
9. The Madras Estates (Abolition and Conversion into Ryotwari) Act, 1948 (Madras Act XXVI of 1948).
10. The Madras Estates (Abolition and Conversion into Ryotwari) Amendment Act, 1950 (Madras Act I of 1950).
11. The Uttar Pradesh Zamindari Abolition and Land Reforms Act, 1950 (Uttar Pradesh Act I of 1951).
12. The Hyderabad (Abolition of Jagirs) Regulation 1358 F. (No. LXIX of 1358, Fasli).
13. The Hyderabad Jagirs (Commutation) Regulation, 1359 F. (No. XXV of 1359, Fasli).

PUBLIC SERVICES

THE Constitution provides for the setting up of a Public Service Commission for the Union and for each State. Two or three States may join together to have a Common Public Service Commission.

The chairman and members of the Union Public Services Commission and of joint Commissions are appointed by the President of the Union, while the chairman and members of a State Commission are appointed by the Governor or Rajpramukh as the case may be.

A member of the Union Commission holds office for six years or till he is 65 years. A member of a State Commission also holds office for six years but retires earlier on attaining the age of 60. Broadly speaking, a member of a Commission is eligible for appointment only on the same Commission or some other Commission subject to certain conditions. He is not eligible for appointment to any other Government post. The Chairman of the Union Public Service Commission is not eligible for any Government appointment whatever. A member of a Commission can be removed only by the President on the advice of the Supreme Court.

The Union and State Commissions conduct examinations for recruitment to Government service. The Commissions also advise the Governments on the service conditions of the employees. There is a moral obligation for a Government to consult the Commission on such questions, and if there are any rules which specifically exempt Government from such consultation these rules should be approved by the legislature.

An annual report of the Commission which also includes a list of cases in which Government did not accept the advice of the Commission has to be placed before the appropriate legislature.

ALL INDIA SERVICES

The following All-India services now exist:

Indian Administrative Service, Indian Foreign Service, Indian Police Service, Indian Audit and Accounts Service, Military Accounts Service, Indian Railways Accounts Service, Indian Customs and Excise Service, Income-tax Officers (Class I), Grade II Service, Transportation and Commercial Departments of the Superior Revenue Establishments of State Railways, Establishment Department of State Railways, Indian Postal Service, Survey of India, Indian Forest Service, Central Engineering Service, Indian Railway Service of Engineers, Superior Telegraph Engineering and Wireless Branches of Posts and Telegraphs.

There is also a Central Secretariat Service which includes all posts in the Central Secretariat from an Assistant up to an Under-Secretary. There are four grades. Starting from the bottom they are: Assistant, Assistant Superintendent, Superintendent, Under-Secretary. The last two are selection posts filled by promotion, and the first two partly by promotion from the lower rank and partly by direct recruitment on the basis of a competitive examination held by the Union Public Services Commission.

There are some services to which recruitment is made by selection. These services include:

Zoological Survey (Class I), Archaeological Survey (Class I), Apprentices for Training in Ordnance Factories, Cantonment Executive Officers' Service, District Medical Officers for State Railways.

The pay scales of some of the more important All-India services are given below:

Indian Administrative Service.

Junior Scale: 350-400-450-500-550-600-E.B.-30-870-40-950 (19 years).

Senior Scale: 800 (6th year or under)-50-1,000-60-1,300-50-1,800 (25 years).

Indian Foreign Service.

350-400-450-500. Scales for subsequent years is fixed later.

Indian Police Service.

Junior Scale: 350-350-380-380-500-E.B.-30-770-40-850 (19 years).

Senior Scale: 600 (6th year or under)-40-1,000-1,000-1,050-1,100-1,150 (22nd year).

Selection grade: 1,250.

Indian Audit and Accounts Service, Postal Service, Income-tax Service (Class I).

Junior Scale: 350-350-380-380-500-E.B.-30-770-40-850.

Senior Scale: 600-40-1,000-1,000-1,050-1,050-1,100-1,100-1,150.

PUBLIC SERVICE COMMISSIONS

The following is a list of Public Service Commissions in India:

1. Assam Public Service Commission (Shillong).
2. Bihar Public Service Commission (15, Bayley Road, Patna).
3. Bombay Public Service Commission (Bank of India Building, Mahatma Gandhi Road, Bombay).
4. Hyderabad Public Service Commission (Hyderabad, Deccan).
5. Public Service Commission (Madras).
6. Madhya Pradesh Public Service Commission (Nagpur).
7. Mysore Public Service Commission (Ballabrook, Palace Road, High Grounds, Bangalore).
8. Orissa Public Service Commission (Cuttack).
9. Punjab Public Service Commission (Simla).
10. Public Service Commission, PEPSSU (Patiala).
11. Public Service Commission, Saurashtra (Rajkot).
12. Travancore-Cochin Public Service Commission (Trivandrum).
13. Uttar Pradesh Public Service Commission (Allahabad).
14. Public Service Commission, Madhya Bharat (Gwalior).
15. Public Service Commission, Rajasthan (43, Station Road, Jaipur).
16. West Bengal Public Service Commission (Anderson House, Alipore, Calcutta).

The Union Public Service Commission also operates for Part C States.

APPLEBY REPORT

Mr. Paul H. Appleby, consultant in public administration to the Ford Foundation was invited by the Government of India to study the Indian administrative system and make recommendations for their improvement. He made a five-month study. His report was presented to Parliament on May 12, 1953.

His main conclusion is that the administrative system is cumbersome in manner, requiring too many inter-hierarchical conferences and utilizing paper in an unnecessarily burdensome way.

Mr. Appleby recommends the establishment of an institute of public administration for India to provide a national, informal focussing of attention on public administration as a profession of many facets and elements.

An institute of public administration will provide for stimulation through association, through the medium of professional journal, and through the making of studies and the development of a literature recording and expanding administrative learning.

In association with the institute, the Government should develop academic graduate programmes in public administration and establish special avenues for annual entry into public service of some young persons so trained.

Other recommendations made by Mr. Appleby are:

(1) The establishment directly, under an appropriate Minister, with strong Government backing, an organization and management office or public administration office.

(2) The making of further and more specialized studies by a team of outside experts, as sequels to this report, and as desirable that a new organization and management office would be equipped for them.

(3) Consolidating administrative responsibility for the carrying on of the Community Projects, elevating it in status, and providing for more flexibility and discretion in its management.

(4) In general, in all developmental and social action fields, consolidating responsibility by simplifying and reducing inter-Ministerial involvements and reviews.

(5) Filling in the administrative hierarchy by making hierarchies have a more truly pyramidal form with more executives at most levels, and by increasing the number of levels and narrowing the present excessively wide gaps between all but the low levels.

(6) Eliminating fixed "cadre" limitations and making recruitment depend wholly upon frequent and flexible determinations of needs.

(7) The establishment of extensive and sustained personal development programmes designed to maximize the potentialities of all persons working for the Government.

(8) Authorization for revenue staff recruitment as rapidly as suitable persons can be secured and trained without numerical limitation, until tax collection is wholly current and the gap between assessments and collections is nominal.

(9) Concerted activity with the States to bring land assessment and tax rates up to a sound current standard, to impose an agricultural income-tax and limitations on land rents and to improve administration of tax collection in the States so as to bring the gap between tax intentions and tax actualities to nominal proportions.

(10) The establishment as a sequel to heightened responsibility, of agencies charged with action, of adequate methods of checking on action during and after the fact.

Fiscal Practice

Administration in considerable part determines what a tax law means, and all fiscal policy is enormously dependent on the views and capacities of the administrative personnel concerned.

Administrative delay in assessing income-taxes consistently results in very substantial losses of revenue. It seems possible that 15 per cent of some important kinds of taxes that should be paid under existing law, fail to reach the State and Centre treasuries.

Parliamentary and legislative unwillingness to appropriate for enough personnel is one factor in this, but some of the aspects of the problem are within reach of administrators.

Budgetary practice is on the whole well developed, although staffs available for the process are inadequate. The organization of budget information which is technically known as "budgetary classification" could be improved by simultaneous uses of some additional classification schemes.

Attention will have to be given to the fact that much of what the Government 'spends' is not spent in the conventional sense; in these instances the Government is performing functions of credit and capital formation that in most other economies are more largely carried on privately.

One should like to see the thinking behind the "expenditures met from capital disbursement of loans and advances" carried further and given more extensive organization.

A total balance sheet of assets and liabilities for the Government, in successive years, suitably organized, would be an interesting and enlightening document.

Financial control of expenditures seems to be too specific and detailed and too slow. Certainly, it is not subject to any valid criticism for not providing close scrutiny before the fact, or the limited scrutiny possible in general auditing after the fact.

Personnel

Mr. Appleby says that in both the Centre and the States, prevailing structures, except in a

few fields, such as defence, revenue collection, internal order and external affairs, provide chiefly for "co-ordination" rather than for administration.

Within the Centre and within the States there is an enormous amount of co-ordination before the fact of action, a consequent lack of discretion and specific responsibility on the part of those presumed to act, and a general inclination not to make decisions.

Personnel administration has too much feudalistic heritage, too much academic and 'intellectuality' orientation too little administrative, action and human-relations orientation, and is too defensive of the 'rights' of existing personnel. These characteristics are reflected in greater or less degree in recruitment policies and methods, in assignment methods, in the attention and lack of attention given to developing the potentialities of personnel, and in the arrangements in which personnel administration is considered and personnel themselves are 'classified.'

The criteria by which personnel are selected by the Public Service Commissions are not up-to-date, and the examining and appraising techniques are far from modern.

Mr. Appleby suggests the removal of the Community Projects from the direction of the Planning Commission. His reasons are that a commission is never a good form for large-scale and rapid-action administration; that administrative responsibility reduces the objectivity and disinterest essential to broad planning, giving the planners a vested interest in one type of operations and so reducing their dynamic character; and finally that persons denominated as planners recruited and associated as planners tend in the first instance to lack and in the second instance to lose the special qualities essential to large and rapid-action administration.

He recommends that the administration of the projects should be headed by a single person of strength, stature and special zeal for this kind of programme. Within his organization, the administration should have its own financial control and evaluation units.

On the whole the Government of India should be among the dozen or so most advanced Governments in the world.

It was also one of the dozen or so Governments in which honesty has been carried to its highest levels.

ADMINISTRATION OF JUSTICE

THE writs which for generations ran over the length and breadth of the country in the name of the British Sovereign, now run in the name of the President of the Republic of India. Nevertheless, all the existing laws continue to operate in India as before subject to adaptation and modification made therein. Article 372 of the Constitution provides *inter alia* that, subject to the other provisions of the Constitution, all the laws in force in the territory of India immediately before the commencement of the Constitution shall continue in force therein until altered, repealed or amended by a competent Legislature or other competent authority.

For the purpose of bringing the provisions of any law in force in the territory of India into accord with the provisions of the Constitution, it is further provided that the President may by order make such adaptations and modifications of such law as may be necessary or expedient.

Article 13 of the Constitution provides that all laws in force in the territory of India immediately before the commencement of the Constitution, in so far as they are inconsistent with the provisions of the Constitution relating to Fundamental Rights (Part III) shall to the extent of such inconsistency be void.

The State is also debarred from making any law which takes away or abridges the Fundamental Rights conferred by this Part, and any law made in contravention shall be void to the extent of such contravention (Art. 13 (2)).

Article 14 ensures to all persons equality before the law by providing that the State shall not deny to any person equality before the law or the equal protection of the laws within the territory of India.

The continuity of the existing laws and legal procedure is further ensured by Article 375 under which all courts of civil, criminal and revenue jurisdiction and all authorities and officers continue to exercise their respective functions subject to the provisions of the Constitution.

The indigenous law of India is personal and divisible with reference to the two great classes of the population, Hindu and Muslim. Both systems claim divine origin and are inextricably interwoven with religion, and each exists in combination with a law based on custom. The rules of the Shastras and the Koran have, however, been in some cases altered and relaxed. Instances can be found in the Bengal Sati Regulation Act of 1829, the Indian Slavery Act, 1843, the Caste Disabilities Removal Act of 1850, the Hindu Widows' Remarriage Act, 1856, and some other Acts and Codes.

During recent years indeed there has been a determined demand on the part of social reformers, and various women's organisations in India for an amendment of the Hindu Law so as to bring it into line with progressive social opinion, in consonance with the spirit of the times.

The Draft Hindu Code that was before the Indian Parliament aimed at abolishing the archaic principles of the ancient system of law, the removal of sex and caste disabilities, and generally simplifying, secularising, and modernising the law governing all Hindus, including Lingayats, Buddhists, Jains and Sikhs. But the Code has lapsed on account of the dissolution of the provisional Parliament.

In the meanwhile, an opposite tendency has been observable among the Muslims, who by recent legislation have sought to revert to the law of the Shariat, discountenancing the application of Hindu Law and custom to the sections of the Muslim community who as converts from Hinduism had retained Hindu Law in matters of inheritance and succession.

Apart from this, the entire legal system which has hitherto prevailed in the country is in course of time bound to undergo a profound transformation by reason of the withdrawal of British rule and the partition of India. A demand for a uniform civil code for all Indians is made by some people.

A demand is also made for the simplification of the procedure and law for the administration of justice and the Government of India are thinking of introducing a legislative measure to achieve this end.

The Indian Penal Code has from time to time been amended. The rules of Civil Procedure have been embodied in the Code of Civil Procedure. The Code of Civil Procedure was remodelled in 1908 and the Code of Criminal Procedure in 1898. These Codes as amended from time to time are now in force.

The years between 1870 and 1885 saw a great deal of legislative activity in British India, and important branches of the law, like Evidence, Contract, Transfer of Property, Trusts, Negotiable Instruments, etc., were codified in the form of Acts of the Indian Legislature applicable to the whole of British India. These, amended from time to time and supplemented by rules derived from English decisions, constitute the bulk of the law administered in India today.

SUPREME COURT

Art. 124 of the Constitution provides for the establishment of a Supreme Court of India consisting of a Chief Justice of India, and, until Parliament by law prescribes a larger number, of not more than seven judges. Every judge of the Supreme Court shall be appointed by the President and shall hold office until he attains the age of sixty-five years. In the course of appointment of a Judge the Chief Justice shall always be consulted. Only a citizen of India who has been for at least 5 years a Judge of a High Court, or for 10 years an advocate of a High Court, or in the opinion of the President a distinguished jurist, is qualified to be appointed Judge of the Supreme Court.

A Judge of the Supreme Court is not liable to be removed from his office except by an order of the President passed after an address by each House of Parliament, supported by a majority of the total membership of that House, and by a majority of not less than two-thirds of the members of that House present and voting, has been presented to the President in the same session for such removal, on the ground of proved misbehaviour or incapacity. No person who has held office as a Judge of the Supreme Court shall plead or act in any court or before any authority within the territory of India.

The Supreme Court is a court of record with all the powers of such a court including the power to punish for contempt. The seat of the Court is to be in Delhi or such other place as the Chief Justice with the approval of the President may from time to time appoint.

The Supreme Court has exclusive original jurisdiction in any dispute (a) between the Government of India and one or more States; (b) between Government of India and one or more States on the one side and one or more other States, on the other; (c) between two or more States, if and in so far as the dispute involves any question (whether of law or fact) on which the existence or extent of a legal right depends (Article 131).

The Appellate jurisdiction of the Supreme Court extends over all appeals from any judgment, decree or final order of a High Court, in civil, criminal or other proceedings, if the High Court certifies that the case involves a substantial question of law as to the interpretation of the Constitution. If the High Court refuses such a certificate the Supreme Court may grant special leave to appeal in a proper case (Art. 132). An

appeal shall also lie to the Supreme Court from a High Court in civil matters, when the amount or value of the subject matter in dispute is not less than Rs. 20,000 or the High Court certifies the case to be a fit one for appeal to the Supreme Court (Art. 133).

In criminal matters under Art. 134 an appeal lies to the Supreme Court from any judgment, final order or sentence of a High Court, if the High Court has (a) on appeal reversed an order of acquittal of an accused person and sentenced him to death; or (b) has withdrawn for trial before itself any case from a subordinate court and has in such trial convicted the accused person and sentenced him to death; or (c) the High Court has certified that the case is a fit one for appeal.

For purposes of appeals to the Supreme Court, the Judicial Commissioners' Courts are to be considered as High Courts.

Under Art. 136 discretion is given to the Supreme Court to grant special leave to appeal from any judgment, decree, sentence or order, in any matter passed by any Court or Tribunal in the territory of India.

The jurisdiction and powers of the Federal Court under the existing law are also exercisable by the Supreme Court (Art. 135) including the advisory power to give its opinion on questions of law or fact referred to it by the President (Art. 143).

The law declared by the Supreme Court shall be binding on all courts in the territory of India.

Parliament has the power to legislate on the constitution, organisation, jurisdiction and powers of the Supreme Court.

Article 32 of the Constitution guarantees the right to move the Supreme Court by appropriate proceedings for the enforcement of Fundamental Rights; and for the enforcement of such rights the Supreme Court has power to issue directions or orders or writs, including writs in the nature of Habeas Corpus, mandamus, prohibition, *quo warrant* and *Certiorari* whichever may be appropriate.

Power is given to Parliament to enlarge the jurisdiction of the Supreme Court by appropriate legislation (Art. 138).

The jurisdiction of the Judicial Committee of His Britannic Majesty's Privy Council over appeals from India in all matters is now abolished.

The royal prerogative to grant pardons, reprieves, respites or remissions of punishments now resides in the President (Art. 72).

Under Art. 348, all proceedings in the Supreme Court and in every High Court in India and the authoritative text of all Bills and Acts of Parliament and the State Legislatures and of all Ordinances promulgated by the President or Governors or Rajpramukhs of States, and of all orders, rules and regulations issued under the Constitution or any law shall be in the English language. If this language is to be replaced by any other language, Parliament must legislate to that effect.

HIGH COURTS

Every High Court is a court of record and has all powers of such court including the power to commit for contempt of itself.

Every Judge of a High Court is appointed by the President after consultation with the Chief Justice of India, the Governor of the State and the Chief Justice of the particular High Court; and he holds office until he attains the age of sixty years.

A person is not qualified to be appointed a Judge of a High Court unless he is a citizen of India and has either held judicial office or practised as an advocate for 10 years in any of the States.

A High Court judge is not liable to be removed from his office except in the manner provided in Art. 124 (4) for the removal of a judge of the Supreme Court of India.

No person who has held office of a Judge of a High Court can plead or act in any court or before any authority in the territory of India.

The Chief Justice of a High Court may with the previous consent of the President, request a retired High Court Judge to sit and act as the Judge of the High Court of that State.

Power is given to the President in consultation with the Chief Justice of India to transfer a judge from one High Court to any other High Court in India (Art. 222).

Article 225 preserves the jurisdiction and powers of the High Courts as they existed immediately before the commencement of the Constitution. Restrictions on the exercise of the original jurisdiction in revenue matters are removed.

Art. 226 gives to every High Court in India power throughout its jurisdiction to issue to any person or authority including Government directions, orders, writs, including writs in the nature of *Habens Corpus*, *mandamus*, prohibition, *quo warrant* and *Certiorari* for the enforcement of Fundamental Rights and for any other purpose. (Art. 226).

The High Courts have powers of superintendence over all subordinate Courts within their respective jurisdiction.

Legislation affecting constitution and organisation of the High Courts can be passed by Parliament alone.

LOWER COURTS

The Code of Criminal Procedure provides for the constitution of inferior criminal courts styled courts of session and courts of magistrates.

Every State, outside the towns of Madras, Bombay and Calcutta, is divided into sessions divisions consisting of one or more districts, and every sessions division has a court of session and a sessions judge, with assistants if need be. These stationary sessions courts are like the English Assizes, and are competent to try all accused persons duly committed, and to inflict any punishment authorised by law, but sentences of death are subject to confirmation by the highest court of criminal appeal in the State.

Magistrates' courts are of three classes with descending powers. Provision is made and largely utilised in the towns, for the appointment of honorary magistrates. In the towns of Madras, Bombay and Calcutta Presidency Magistrates deal with magisterial cases and benches of Justices of the Peace or Honorary Magistrates dispose of the less important cases.

In Bombay Honorary Magistrates or Justices of the Peace do not try cases.

Article 50 of the Constitution lays down that the States shall take steps to separate the judiciary from the executive in the public service of the States.

The State of Bombay is the first state that has introduced the separation of the judiciary from the executive in public services, by a statute. The Act came into force on July 1, 1953.

In three other states i.e. Hyderabad, Madras and Bihar there is partial separation. It is not effected by any statute but by rules made by the Government in that behalf.

The constitution and jurisdiction of the inferior civil courts varies. Broadly speaking one district and sessions judge is appointed for each district. As District Judge he presides in its principal civil court of original jurisdiction. His functions as Sessions Judge have already been described.

For these posts members of the Indian Civil Service were mainly selected though some appointments were made from the Provincial Service.

Next come the Subordinate Judges and Munsiffs, the extent of whose original jurisdiction varies in different parts of the country.

There are in addition a number of Courts of Small Causes, with jurisdiction to try money suits up to Rs. 500. In the towns of Madras, Bombay and Calcutta where the Chartered High Courts have original jurisdiction, Small Causes Courts dispose of money suits up to Rs. 2,000.

In Bombay and Madras there are also City Civil Courts. The City Civil Court in Bombay has a pecuniary jurisdiction of Rs. 25,000.

As Insolvency Courts the Chartered High Courts of Calcutta, Bombay and Madras have jurisdiction in the Presidency towns. In the mofussil similar powers were conferred on the District Courts by the Provincial Insolvency Act of 1920.

There are Coroners only for the Presidency Towns of Calcutta and Bombay. Elsewhere their duties are discharged by the ordinary staff of magistrates and police officers unaided by jurors.

SPECIAL COURTS

Labour Courts are established in the State of Bombay under the Bombay Industrial Relations Act, 1946.

A labour Court consist of a single judge.

There are at present Labour Courts in Bombay, Ahmedabad, Jalgaon and Sholapur. They decide upon disputes regarding (a) propriety or legality of an order passed by an employer (b) the application and interpretation of standing orders. (c) They also decide disputes referred to them by Government for arbitration. Legality or otherwise of strikes or lock-outs or closure etc is also decided by them.

An appeal against the judgment of the Labour Courts lies to the Industrial Court. This court has also original jurisdiction regarding matters referred to it by the Government or by representative Unions. It decides upon questions of law referred to it by Wage Boards and references regarding interpretation of the Act and the Rules. It has power of superintendence over Labour Courts.

The Bombay Industrial Relations Act 1946 applies at present to the following industries: Textile, Cotton, Woollen, Silk, Textile Processing, Hosiery, Transport by tram and omnibus in Greater Bombay, Electricity, Sugar and Banking (in the case of banks having branches in Bombay State only).

Labour Courts and Industrial Courts now exist in most States.

The Industrial Disputes Act was passed by the Central Legislature in 1947 for the investigation and settlement of industrial disputes.

Industrial Tribunals were established under this Act. If the conciliation bodies set up under this Act fail to bring about a settlement, the matter is referred to the Industrial Tribunals.

Neither party to a dispute is entitled to be represented by a legal practitioner except with the consent of the other party and by leave of the Tribunal.

Industrial Tribunals are not permanent Courts. Whenever a matter is referred to the Government regarding an industrial dispute the Government appoints one or more persons as Industrial Tribunal to adjudicate upon the dispute.

In the State of Bombay the members and the President of the Industrial Court are the ones chosen for appointment as Industrial Tribunals.

The Industrial Disputes (Appellate Tribunal) Act was passed in 1950. It has constituted a new Court, the Labour Appellate Tribunal of India. It is an appellate Court over the Industrial Tribunals and Industrial Courts. The judgments given by the Appellate Tribunal have helped to establish uniformity in labour matters.

Juvenile offenders are tried by the Juvenile Courts. In places where there are no juvenile courts the offenders are tried either by the High Court, or the Court of Session or a salaried Presidency Magistrate or a salaried Magistrate of the First Class.

Legal practitioners are not entitled to appear in any case or proceeding before a Juvenile Court. However the Court may grant permission in exceptional cases.

Probation officers are appointed by the State Government for helping the Court in the discharge of its functions. The powers and duties of such officers are laid down in the rules. Their main duty is to investigate the history of the juvenile offender and offer help to the Court. An appeal against the judgment of a Juvenile Court lies to the Chief Presidency Magistrate in Greater Bombay, and in other places to the Court of Session. If a case is decided by a Presidency Magistrate or a Court of Session the appeal lies to the High Court.

Panchayat Courts (called Nyaya Panchayat) are in existence in many States. In Bombay for instance each Court consists of five members. The members of the Panchayat Court are elected by the Village Panchayat. Sections 30-44 of the Act lay down rules about the suits that may be tried and the suits that may not be tried by the Court. A Nyaya Panchayat cannot alter or revise its decision. An appeal against a decision of the Nyaya Panchayat lies to the District Judge.

LEGAL OFFICIALS

The Government of India have their own law colleague in the Law Minister of the Union Cabinet. All Government measures are drafted in his department after their substance is decided upon by the administrative departments concerned.

Outside the Cabinet the principal law officers of the Government of India are the Attorney-General and Solicitor-General appointed by the President. At Bombay and Calcutta the Government of India have their own solicitors.

Each of the State Governments has its own Advocate-General.

Article 76 of the Constitution of India says that for the post of Attorney-Generalship the President shall appoint a person qualified to be appointed a Judge of the Supreme Court. It shall be the duty of the Attorney-General to give advice to the Govt. of India upon such legal matters and to perform such other duties of a legal character as may be referred or assigned to him by the President, and to discharge the functions conferred upon him by the Constitution. In the performance of his duties the Attorney-General shall have right of audience in all Courts in the territory of India. The Attorney-General has a right to take part in the proceedings of Parliament and address it.

Under Article 165 the Governor of each State is authorised to appoint a person qualified to be appointed a Judge of a High Court to be Advocate-General for the State.

The Advocate-General is appointed by the Governor. He has to give advice to the Government of the State upon such legal matters and to perform such other duties of a legal character as may be referred to or assigned to him. He holds office during the pleasure of the Governor. He appears in the Court on behalf of the Government. He is the leader of the Bar and the President of the Bar Council. He is also authorised to take part in the proceedings of the State legislature, if his advice is sought.

In addition to the Advocate-General there is also a Government Pleader in many States. He usually belongs to the Appellate Side of the High Court while the Advocate-General belongs to the Original Side. The Government Pleader is assisted by an Assistant Government Pleader and they look after criminal work.

The State Governments have their own law officers, in addition to the Advocate-General and the Government Pleader. The law officer

is designated Remembrancer of Legal Affairs. He also works as Secretary to the Legal Department. He is never a practising lawyer, but a Government servant. Usually one of the District Judges is appointed Remembrancer of Legal Affairs.

The Legal Remembrancer drafts Government Bills and gives advice to Government Departments on all legal matters.

Sheriffs are attached to the High Courts of Bombay, Calcutta and Madras.

They are entrusted with the work of preparing jury lists, serving summons and other legal processes. The Sheriff in Bombay is the ex-officio Chairman of the Bombay State Permanent Famine Relief Committee. He can also convene public meetings on behalf of the citizens.

The detailed work of the office is entrusted to the Deputy Sheriff who is an officer of the High Court.

These are Official Assignees in three States—Bombay, W. Bengal and Madras. The appointment is made by the Chief Justice of the High Court concerned.

The duties of the Official Assignee are two-fold, viz, realisation and distribution of the insolvent's estate, and the control of the property of the insolvent and his conduct generally.

A party aggrieved by the decision of the official Assignee may appeal to the Insolvency Judge of the High Court.

In addition to the Official Assignee, a Deputy Official Assignee may also be appointed. Another officer of the court is the Insolvency Registrar who may be vested with the powers mentioned in section 6 of the Presidency Towns Insolvency Act.

There are two classes of legal practitioners, practising in the Supreme Court. They are Senior Advocates, and other Advocates (popularly known as Junior Advocates). No person can appear as an Advocate in any case unless he is instructed by an Agent.

All Advocates of the Supreme Court are entitled to practise in High Courts. In Bombay and Calcutta an Advocate can appear on the original side only when instructed by an Attorney. An Advocate of a High Court is entitled to practise in the High Court concerned and in all the courts subordinate to it. An Attorney-at-Law if enrolled as an Advocate can also practise in the High Court, except on the original side. He, however, can plead in insolvency and chamber matters.

Pleaders are entitled to practise in the District for which they hold sanads.

In addition to these classes, there are Mukhtars in the States of Assam, Bihar, Orissa, Uttar Pradesh, West Bengal, Madhya Bharat and

Rajasthan. In Assam there is one more class of legal practitioners known as Revenue Agents.

The Government of India appointed a Committee called The All-India Bar Committee, under the chairmanship of Justice S. R. Das, Judge, Supreme Court, India. It recommended the unification of Indian Bar. To achieve this it proposed that there should be no further recruitment of non-graduate pleaders or Mukhtars or Revenue Agents.

As regards the dual system in Bombay and Calcutta, the Committee favoured its retention. It however recommended the abolition of the dual system in the Supreme Court of India.

Formerly official Law Reports were published only in six series—Bombay, Allahabad, Calcutta, Madras and Nagpur. Three more series, Cuttack, Mysore and Rajasthan, have been added recently.

These reports contain cases decided by the High Courts and the Supreme Court of India.

In addition to these series a Supreme Court Reporter is also published. It contains important decisions of the Supreme Court of India.

Besides these official reports there are a number of private agencies that also bring out reports of the decisions of the Supreme Court and the High Courts. Reports are also published of important cases determined by Labour Courts, Industrial Courts and Labour Appellate Tribunals.

DEFENCE FORCES

THE present day Army of India traces its origin to the guards enrolled for the protection of the East India Company.

The partition of India in 1947 was an important landmark in the history of the Armed Forces of India. The Armed Forces were divided between the two countries on a communal-cum-optional basis which worked out to an approximate proportion of one-third to Pakistan and two-thirds to the Union of India.

British troops, including the Royal Air Force, were completely withdrawn from India on February 28, 1948.

The nationalisation of the Defence Forces started soon after the partition. General K. M. Cariappa, became the first Indian Commander-in-Chief on January 15, 1949. In the Indian Air Force today only about a dozen British officers and some technicians are employed on a contract basis.

In the Navy, the progress towards nationalisation has been slower since the requisite number of Indian officers with experience did not exist. The policy in regard to the Navy is also the same and only such British officers as those whose services are absolutely essential are retained.

The order of precedence of India's Defence Services has been re-arranged as Army, Navy and Air Force. With the inauguration of the new Constitution on January 26, 1950, the use of the prefix 'Royal', wherever it occurred, in the designation of Service, regiment, corps or unit of the Armed Forces was discontinued. Similarly, the expression 'His Majesty's Indian Ship' was also dropped.

DEFENCE ORGANISATION

At the top is the Defence Committee of the Cabinet, which is for all practical purposes the Government so far as the Defence Services are concerned. This Committee consists of the Prime Minister as chairman and the Ministers for Defence, Finance and Transport. Matters of policy are decided by this Committee.

Then there is the Defence Minister's Committee consisting of the Defence Minister, the three Chiefs of Staff, the Financial Adviser and the Defence Secretary. It deals with the more important inter-Services problems. The decisions of this Committee are final and binding on all.

A Defence Science Organisation was set up in August 1948 under Dr. D. S. Kothari, Scientific Adviser to the Ministry of Defence. This Organisation consists of a (1) Defence Science Policy Board, (2) Defence Science Advisory Committee and (3) Personnel Research Panel.

A Defence Science Service has been instituted which includes all civilian scientists engaged in research, development or teaching in any of the three Services or in the Ministry of Defence.

There is an Institute of Armament Studies at Kirkee to train technical staff officers and to undertake a comprehensive scientific study of the principles of armament and performance of weapons and equipment.

The Defence Science Organisation has a laboratory situated in the National Physical Laboratory (Delhi) where research in Defence Science is carried on by a number of scientists. A well-equipped technical library is attached to it.

For conducting research in problems connected with the Navy suitable laboratories have been opened in Bombay and Cochin.

A Psychological Research Wing was formed in July 1949 under Dr. Sohan Lal, Chief Psychologist, the main function of which is to conduct research in the assessment of human personality so that the right type of officers may be selected for the Defence Forces.

TRAINING INSTITUTIONS

The important training institutions common to the three Services are given below:

National Defence Academy: The permanent location of the Academy will be at Khadakvasla near Poona where it will start functioning in January 1955. The establishment at Khadakvasla will consist of the Joint Services Wing (the National Defence Academy proper) and the Military Wing. At present the Defence Academy is located in the Indian Military Academy at Dehra Dun, where training at the Joint Services Wing started on January 4, 1949. At the J. S. W. Army, Navy and Air Force cadets receive two years' basic training whereas Naval Cadets (Supply and Executive Branches) receive three years' training. After the transfer to Khadakvasla the cadets of all the three Services will undergo a three-year course of which the first two years will be devoted to a common basic training and the third to specialized training in the three respective services. Thereafter the Naval and Air Force cadets will proceed to their Services Establishments for advanced training, while the Army cadets will join the Military Wing for a further one-year course.

Commandant, National Defence Academy: Maj.-Gen. B. Habibullah.

Defence Services Staff College: This is located at Wellington, in the Nilgiri Hills in south India. One hundred officers drawn from all the three Services including six officers from the U.S.A. and Commonwealth countries are trained every year. The object of the training is to prepare officers to hold second grade or equivalent staff appointments or higher staff or command appointments.

School of Foreign Languages: This is located in New Delhi and was started on February 1, 1949. The object is to impart instruction in certain foreign languages to officers of the Armed Forces. Other Ministries also take advantage of this school, and a large number of civilian officers and non-gazetted staff attend courses.

College of Military Engineering: This is located at Kirkee, near Poona. Officers of the Corps of Engineers, the Corps of Signals and the Corps of Electrical and Mechanical Engineers are trained to a degree standard in Civil, Telecommunication and Electrical and Mechanical Engineering respectively. The status of the institution is that of a college.

Armed Forces Medical College: This is located in Poona and trains junior and senior medical officers. Other ranks also receive training to qualify as laboratory assistants, radiographers, sanitary assistants, blood transfusion orderlies and dispensers. The institution provides the Armed Forces with all the biological and chemical reagents for the diagnosis of diseases and also with blood transfusion material and equipment. There is a thousand-bed hospital and the following departments among others: Virus Research Unit; Department of Anti-biotics; Department of Chemistry and Entomology. Selected civilian doctors are offered facilities at the institution for advanced training in various branches of the medical science.

SENIOR DEFENCE FORCES OFFICERS

Chief of Army Staff and Commander-in-Chief, Indian Army, General Maharaj Shri Rajendra-sinhji, D.S.O.

Chief of the General Staff, Indian Army, Maj.-Gen. J. N. Chaudhury.

Adjutant-General, Indian Army, Maj.-Gen. Thakur Singh Bal.

Quartermaster-General, Indian Army, Maj.-Gen. Tara Singh Bal.

Engineer-in-Chief, Indian Army, Maj.-Gen. H. Williams.

Master-General of Ordnance, Indian Army, Maj.-Gen. S. D. Verma.

Military Secretary, Indian Army, Maj.-Gen. Y. S. Paranjpe.

General Officer Commanding-in-Chief, Western Command, Lt.-Gen. K. S. Thimayya.

General Officer Commanding-in-Chief, Eastern Command, Lt.-Gen. Sant Singh.

General Officer Commanding-in-Chief, Southern Command, Lt.-Gen. S. M. Shrinagesh.

Director-General, Medical Services, Maj.-Gen. D. N. Chakravartty.

Director of Supplies and Transport, Maj.-Gen. H. M. Mohite.

Director, Movements and Quartering Directorate, Brig. Pritam Singh Chowdhury.

Provost Marshal (Mtl. Police), Col. Sheikh Mohiuddin.

Indian Navy

Chief of Naval Staff & Commander-in-Chief, Indian Navy, Vice-Admiral Sir Mark Plzey.

Deputy Commander-in-Chief and Chief of Staff, Commodore G. A. French.

Flag Officer (Flotillas) Indian Fleet, Rear Admiral F. A. Balance.

Chief of Administration, Naval H. Qrs., Captain M. K. Heble.

Chief of Personnel, Naval H. Qrs., Captain B. A. Samson.

Chief of Material, Capt. A. H. F. Newnham.

Chief of Naval Aviation, Capt. J. E. Smallwood.

Naval Secretary, Capt. Aniceto Pereira.

Commodore-in-Charge, Bombay, Commodore R. M. P. Taylor.

Commodore-in-Charge, Cochin, Commodore A. D. M. Jay.

Naval Officer-in-Charge, Vizagapatam, Captain B. S. Soman.

Director, Naval Education, Instr. Capt. E. F. Byng.

Indian Air Force

Chief of the Air Staff and Commander-in-Chief, I.A.F., Air Marshal G. E. Gibbs*.

Deputy Chief of Air Staff, Air Vice-Marshal S. Mukerjee†.

Air Officer Commanding, Operational Command, Air Commodore D. A. R. Nanda.

Dy. Air Commander-in-Chief, Air Vice-Marshal A. M. Engineer.

Air Officer Commanding, Training Command, Air Commodore S. N. Goyal.

Air Officer-in-Charge, Technical and Equipment Services (Air H.Q.), Air Commodore R. H. D. Singh.

Air Officer-in-Charge, Personnel and Organisation (Air H.Q.), Air Commodore Arjan Singh.

* Is expected to retire on April 1, 1954 when Air Vice-Marshal S. Mukerjee will take over.

† Is expected to become Chief on April 1, 1954.

INDIAN ARMY

The Army Headquarters is divided into the following main branches which are again further sub-divided into directorates :—

General Staff Branch;
Adjutant-General's Branch;
Quartermaster-General's Branch;
Master-General of Ordnance Branch;
Engineer-in-Chief's Branch;
Military Secretary's Branch.

Under the Army Headquarters, the Army is organised into Commands, each Command under a General Officer Commanding-in-Chief of the rank of Lieutenant-General. The Commands are divided into Areas, each under the command of a G.O.C. of the rank of Major-General, and the Areas in their turn are sub-divided into Sub-Areas under the command of a Brigadier. These are static formations.

The Commands are three in number—the Eastern Command, the Southern Command and the Western Command.

The Army is divided into a number of arms. They are: Armoured Corps; Regiment of Artillery; Corps of Engineers and Ordnance; Army Ordnance Corps; Corps of Electrical and Mechanical Engineers; Infantry; Army Service Corps; Army Educational Corps; Army Corps of Clerks (Army Service Corps); Staff Duties and Remounts, Veterinary and Farms Corps.

COMMANDS

Southern Command	Lt.-Gen. S. M. Shrinagesh
Eastern Command	Lt.-Gen. Sant Singh
Western Command	Lt.-Gen. K. S. Thimayya, DSO

Areas

GOC

Madras Area	Maj.-Gen. J. C. Katoch
Bombay Area	Maj.-Gen. K. P. Dhargalkar
Uttar Pradesh Area	Maj.-Gen. S. B. S. Chinnai
Delhi Area	Maj.-Gen. D. S. Brar
East Punjab Area	Maj.-Gen. Daulet Singh

Sub-Areas

Commander

Jabalpur Independent Sub-Area	Brig. E. A. Rodrigues
Bangalore Sub-Area*	
Bombay Sub-Area	Brig. K. K. Varma
Poona Sub-Area	Brig. M. K. Sheriff
Lucknow Sub-Area	Brig. N. V. Bal
Meerut Sub-Area	Brig. Gurbachan Singh
Jullundur Sub-Area	Brig. Ram Singh
Ambala Sub-Area	Brig. K. S. Moghe.

ARMY ORGANISATION

The numerical composition of the types of unit in the Army are given below :—

(a) Light Armoured Regiment	650
(i) Squadron	120
(b) Field Regiment	700
(i) Battery	200
(ii) Troop	70
(iii) Section	20
(c) Infantry Battalion	900
(i) Rifle Company	140
(ii) Platoon	40
(iii) Section	10

TERRITORIAL ARMY

The T. A. Act 1948, was passed by Parliament in September 1948 and the Army was inaugurated in October 1949 when recruitment was thrown open.

The Territorial Army consists of all arms of service, i.e., the Armoured Corps, the Corps of Artillery including Anti-aircraft and Coastal Defence units, the Corps of Engineers including Port and Railway units, the Corps of Signals, Infantry, the Army Service Corps, the Army Medical Corps and the Corps of Electrical and Mechanical Engineers. The units raised are of two types, i.e., Provincial units recruited from rural areas who undergo annual training of two to three months' duration at a stretch, and Urban units recruited from large towns where Territorial Army units have been raised. They undergo training on the weekly drill system, i.e., in the evenings, Sundays and holidays with a small camp of not less than four consecutive days.

All able-bodied persons from the unskilled labourer to highly qualified technicians provided they are citizens of India, are eligible for recruitment. The age limits are 18 and 35 years relaxable in case of ex-service (Army, Navy and Air Force) personnel and civilians possessing technical qualifications.

The country has been divided into eight zones for purposes of recruitment which is done on a zonal basis, i.e., only residents of the zone are recruited in the units which are raised from that zone.

The role of the Territorial Army is as follows :—

- To relieve Regular Army of static duties and support the civil power if required.
- To provide coast defence and Anti-aircraft units.
- To provide field formations and units for the Regular Army if and when required.

When embodied, called out or under training, the Territorial Army personnel receive the same pay and allowances as are admissible to the corresponding ranks of the Regular Army.

In order to provide an incentive to the Junior Commissioned Officers and men for hard and meritorious work, 2½ per cent of the actual vacancies available at the Military Wing of the National Defence Academy will in future be reserved for the personnel of the Territorial Army. On successful completion of the course at the N.D.A. they will be granted Regular commissions in the Army.

No officer or enrolled person is required to perform military service beyond the limits of India save under a general or special order of the Central Government.

NATIONAL CADET CORPS

The Corps came into being in 1948. The aim of the Corps is (1) to develop character, comradeship, the ideal of service and capacity for leadership in young men and women; (2) to stimulate interest in the defence of the country, and (3) to build up a reserve of potential officers to enable the Armed Forces to expand rapidly in a national emergency. The Organisation is thus mainly of an educational, and nation-building character. Officers and cadets have no liability whatsoever for active military service. In this way it is different from The Territorial Army which is designed to serve as a second line of defence. However, a close link is maintained between the Territorial Army and the NCC since the latter may be called upon to provide man power for the former in an emergency.

The NCC consists of three divisions: (1) Junior Division, (2) Senior Division, and (3) Girls' Division.

The strength of the Corps at present is as follows :—

	Officers	Cadets	Total
Junior Division	1,572	51,810	52,382
Senior Division	816	25,508	26,324
Girls' Division	14	420	434

The expenditure on the Corps is shared between the Central and State Governments. The Central Government meets the cost of the Directorate controlling the staff and the permanent regular staff of the units and also provides the arms, ammunition and equipment for the NCC units. The State Governments meet the rest of the expenditure for the raising and maintenance of units including the provision of clothing.

Student cadets of all the three divisions are given 60 to 80 periods of training in Service subjects every year with 10 to 15 days in camps under the supervision of regular Service personnel. The training year corresponds to the academic year of Universities and schools.

Social service work forms an important part of the curriculum of the cadets. Each unit of a Senior Division of the NCC is affiliated to a regular Army, Navy, and Air Force unit which provides the required personnel and helps to train the NCC personnel by organising training cadres.

The strength of each Army, Navy and Air Wing Units (Senior and Junior Division and Girls' Division) is as follows :—

(a) Senior Division Army Units (Infantry)	NCC Officers	NCC Cadets
(i) 4 Coy Bn NCC	15	625
(ii) 3 Coy Bn NCC	12	470
(iii) 2 Coy Bn NCC	8	315
(iv) Independent Coy NCC	8	154
(b) Senior Division Technical Unit (all arms except Armed Corps unit)	2	60
(c) Senior Division Armoured Corps Unit	3	60
(d) Senior Division Naval Wing Unit	2	60
(e) Senior Division Air Wing Unit	2	80
(f) Junior Division Troop (Army, Navy, Air Wing)	1	33
" Public School	1	30
(g) Girls' Division Troop	3	90
" (one Sub-Troop)	1	80

INDIAN NAVY

On 15th August 1947, when India attained independence, the following ships were allocated to India: Sloop: BUTLER, JUMNA, KISTNA, CAUVERY. Frigates: TIE, KUKRI. Minesweepers: ORISSA, DECCAN, BIHAR, KUMAON, KHYBER, BOHLEHAND, CAR-NATIC, RAJPUTANA, KONKAN, BOMBAY, BENGAL, MADRAS. Corvette: ASSAM. Survey Vessel: INVESTIGATOR. Trawlers: NABIK, CALOUTTA, COCHIN, AMRITSAR. In addition, India got four harbour defence motor launches and all existing landing craft.

Today the Indian Navy consists of:

Cruiser (flagship): DELHI.

* No one was appointed at the time of writing.

11th Destroyer Squadron: RAJPUT (Capt. D11), RANJIT, GODAVARI, GOMATI and GANGA.

12th Frigate Squadron: JUMNA (Capt. F12), CAUVERY, KISTNA.

Boys Training Ship: TIR.

31st Minesweeping Squadron: BOMBAY (M/S 31), KONKAN, MADRAS, RAJPUTANA, BENGAL.

Survey ships: INVESTIGATOR, ROHIL-KHAND.

Landing Ship Tank: MAGAR.

Ocean-going tug: HATHI.

There are also seaward defence motor-launches and landing craft.

On 15th January 1949 Naval Headquarters was reorganised into five main branches each under a Principal Staff Officer styled as follows:—

Deputy Commander-in-Chief and Chief of Staff; Chief of Personnel; Chief of Administration; Chief of Material, Chief of Naval Aviation.

In August 1950 it was decided to set up a Secretariat in Naval Headquarters modelled on the Secretariat of the British Admiralty. The Head of the Secretariat is the Naval Secretary.

On 4th April 1949 a new appointment designated Commodore Indian Naval Squadron (short title COMINS) was created. COMINS was responsible for the operations, administration and training of Indian Naval ships in commission. This appointment was subsequently raised to the status of Rear-Admiral Commanding Indian Naval Squadron (short title RACINS).

FORMATION OF FLEET

Some important events in the formation of the fleet are as follows: I.N.S. DELHI (7,000 cruiser of the Leander class) was acquired from the U.K. on September 15, 1948; RAJPUT, RANJIT, BANA (three destroyers from the U.K.) were acquired in March 1949; 11th Destroyer Squadron formed under the command of a Captain of Destroyers; 12th Frigate Squadron formed under Captain of Frigates; the Navy dropped the word 'Royal' and became Indian Navy, and the White Ensign was replaced by the Indian Naval Ensign on January 26, 1950; Supreme Commander-in-Chief presented President's Colour to the Navy, May 1951; three 'Hunt' class destroyers acquired from the U.K. and re-named GODAVARI, GOMATI and GANGA, early 1953; the Navy's first air station INS GARUDA commissioned at Cochin, May 1953.

Since the Fleet was formed, IN ships visited Burma, Malaya, Siam, Indonesia, Australia and New Zealand in the east, Iran, Iraq, Arabia, East Africa and other countries in the Middle East and the Mediterranean. DELHI, RANJIT and TIR participated in the Coronation Naval Review in June 1953. Routine combined training exercises were also carried out by IN ships with those of the Royal Navy and the Commonwealth Navies and the Indian and Royal Air Forces.

TRAINING

The training of ratings in the Indian Navy is now carried out in shore establishments at Cochin, Vishakapatnam, Jamnagar and Lonavla under the overall supervision of the Commodore-in-Charge, Cochin who, in addition to his other duties, carries out the function of the Commodore Superintendent Training Establishments.

Cadets for the Indian Navy now receive their general education along with the cadets for the Army and the Air Force in the Joint Services Wing of the National Defence Academy at Dehra Dun and on completion of this initial training proceed to United Kingdom for higher naval training. In future, however, the entire naval training is expected to be done in India.

There is now a naval staff course at the Defence Services Staff College at Wellington (Nilgiris) under a Chief Naval Instructor. This course was inaugurated in August 1950.

ESTABLISHMENTS

INS VENDURUTHY (Cochin) contains schools of Seamanship, Gunnery, Signals, Torpedo and Anti-submarine, Supply and Secretariat, Cookery, New Entry Training.

INS CIRCARS (Vishakapatnam) contains Boys Training Establishment.

INS ANGRE, the base establishment at Bombay controls Naval Dockyard, I.N. Pay Office, Radar Training Establishment, Regulating School, Shipwright Training School, IN School of Physical Training and Naval Barracks.

INS SHIVAJI (at Lonavla) contains the Mechanical Training Establishment.

INS VALSURA (at Jamnagar) contains the Electrical School.

INS HADMA is the combined operations establishment near Bombay.

With the setting up of a shore-based Fleet Requirement Unit of INS GARUDA (Cochin) air training for I.N. personnel will now be imparted at that place.

INS ASVINI at Bombay is the first Naval Hospital.

The Naval Dockyard at Bombay is to be expanded. Work on this began early in 1953.

It is decided to set up a hydrographic office in India. The purpose of this is the production and printing of charts for marine survey. Also one of the I.N. minesweepers has been temporarily converted for carrying out marine survey duties on the Indian coast.

INDIAN AIR FORCE

The IAF is in the main divided into two major formations namely, Operational Command and Training Command under the control of Air Headquarters in New Delhi.

The Operational Command controls all flying units—fighter, bomber, reconnaissance and air-transport squadrons. The Training Command has under its control ground training schools for both officers and airmen. There are also certain units which come directly under the administrative and functional control of Air HQ, such as Record office, Air Force Academies, Central Accounts office.

The two Commands exercise their control through their Wings and Stations located in various parts of the country. Under each Wing and Station come various squadrons and units.

Air HQ is divided into three main Branches—Air Branch which deals with operations, training, policy and plans, signals and intelligence; Personnel and Organisation Branch; and Technical and Equipment Services Branch. Each is under a Branch P.S.O. who in turn has several Directorates under him.

The types of aircraft used by the IAF are as follows:—

Training Aircraft: Tiger Moth, Percival Prentice, HT 2, Harvard, Spitfire.

Fighter Aircraft: Spitfire, Tempest, Vampire.

Transport Aircraft: Dakota, Devon.

Bomber: Liberator.

Reconnaissance: Spitfire, Auster, Harvard.

The following are the major training institutions:—

No. 1 Air Force Academy, at Begumpet (Hyderabad) trains pilots.

No. 2 Air Force Academy, Jodhpur, is the nursery of pilots, navigators and air-signallers of the IAF.

No. 3 Air Force Academy at Coimbatore trains officers of ground duty branches.

Technical Training College, Jalahalli (near Bangalore), imparts training to the Engineering Officers of the Service.

Flying Instructors School, Ambala.

No. 1 Ground Training School, Jalahalli, for non-technical airmen trainees.

No. 2 Ground Training School, Tambaram (Madras) for technical tradesmen (airmen).

No. 3 Ground Training School, Jalahalli for airmen trainees of higher signals trades.

JETS

India has ordered 71 jet-fighters of the Ouragan class from France. By the end of 1953 thirty-nine of these had been delivered, and the rest were to be delivered shortly afterwards.

The Ouragan class jet-fighter is a single-seater monoplane capable of attaining a speed of 600 miles an hour at sea-level and reaching a height of 8,000 feet a minute.

The jet-fighter has been described as a well-designed military aircraft for defence and air-strikes and for ground-attack-cum-interceptor because of its innumerable operational characteristics.

Some of the features of the monoplane are: manoeuvrability, fast rate of ascent, fire-power endurance, operating ceiling and speed.

Equipped with cannon and carrying rockets and bombs under its wings, the Ouragan has a pressurised cabin, permitting the pilot to operate at high altitudes.

Its bullet-proof fixed screen and the armour force and aft provide additional protection to the pilot when engaged in air battle. The aircraft has ejector seats and a sliding jettisonable canopy which form the life-saving devices in emergency.

GALLANTRY AWARDS

Three new gallantry awards were instituted by the President of the Indian Republic after independence for gallantry in combat with the enemy. They are designated the Param Vir Chakra, the Maha Vir Chakra and the Vir Chakra. They came into force with effect on August 15, 1947.

The Param Vir Chakra is awarded for most conspicuous bravery, or some daring or pre-eminent act of valour, or self-sacrifice, in the presence of the enemy, whether on land, at sea, or in the air. It ranks first among all awards.

The Maha Vir Chakra is awarded for acts of gallantry in the presence of the enemy whether on land, at sea, or in the air.

The Vir Chakra is awarded for acts of gallantry in the presence of the enemy, whether on land, at sea, or in the air.

All members of the Armed Forces including members of the Nursing Services and civilians working with the Armed Forces are eligible for the above three gallantry awards.

A fourth gallantry decoration named the Ashoka Chakra in three grades, Class one, Class two and Class three, was instituted for acts of gallantry other than in face of the enemy. This also came into force with effect on August 15, 1947.

Class I of the Chakra is awarded for most conspicuous bravery, or some daring or pre-eminent valour or self-sacrifice. Class II of the Chakra is awarded for conspicuous gallantry and Class III, for gallantry.

Members of Armed Forces and civilians alike are eligible for this award.

If any recipient of a Chakra again performs such an act of bravery as would have made him or her eligible to receive the Chakra, such further act of bravery is recorded by a Bar attached to the riband by which the Chakra is suspended, and for every such additional act of bravery, an additional Bar is added, and any such Bar or Bars is also awarded posthumously. For every Bar awarded a replica of the "Indra's Vajra" in miniature is added to the riband when worn alone.

Every recipient of any of these decorations who is junior in rank to a Sub-Lieutenant in the Navy, a Second-Lieutenant in the Army, or a Pilot Officer in the Air Force, is entitled from the date of the act by which the decoration has been gained to a special pension, and each additional Bar conferred carries with it additional pension, for life.

A system of Mention-in-Despatches was also instituted on August 15, 1947 to recognise distinguished and meritorious service in operational areas and acts of gallantry which are not of a sufficiently high order to warrant the grant of gallantry awards. The terms of eligibility for Mention-in-Despatches are the same as for gallantry awards. Names may be included posthumously and there is no objection to a person's name being mentioned in more than one despatch.

The *inter-se* order of priority of the new gallantry decorations will be Param Vir Chakra, Ashoka Chakra Class I, Maha Vir Chakra, Ashoka Chakra Class II, Vir Chakra, Ashoka Chakra Class III, followed by Campaign Medals, e.g. General Service Medal, 1947, and Commemorative Medals, e.g. Independence Medal. State Medals and Commonwealth awards come last.

The rates of monetary allowance admissible are as below :—

- (a) (i) Param Vir Chakra.—Rs. 50 p.m.
(Rs. 70 p.m. in the case of J.C.Os. who have previously been awarded an award of the second Order of gallantry, such as the I.O.M.).
- (ii) Each Bar to PVC.—Rs. 20 p.m.
- (b) (i) Maha Vir Chakra.—Rs. 30 p.m.
(Rs. 50 p.m. in the case of J.C.Os. who have been previously awarded a gallantry award of the 3rd order such as the M.C.).
- (ii) Each Bar to M.V.C.—Rs. 10 p.m.
- (c) (i) Vir Chakra.—Rs. 20 p.m.
- (ii) Each Bar to Vr.C.—Rs. 8 p.m.

On the death of such a recipient of the Chakra the pension is continued to his widow until her death or remarriage.

The following are the details of Republican India's awards won by members of the Armed Forces :—

INDIAN ARMY

Param Vir Chakra—5 (3 posthumous).
Ashoka Chakra Cl-I—2 (1 posthumous).
Maha Vir Chakra—49 (19 posthumous).
Ashoka Chakra Cl-II—8 (1 posthumous).
Vir Chakra—286 (57 posthumous).
Ashoka Chakra Cl-III—18.
Mention-in-Despatches—1,127(35 posthumous).

INDIAN NAVY

Ashoka Chakra Class III—1.

INDIAN AIR FORCE

Ashoka Chakra Cl-I—1.
Maha Vir Chakra—4.
Ashoka Chakra Cl-II—4.
Vir Chakra—30 (2 posthumous).

RANKING

The various ranks in the Army starting from the lowest are as follows :

Sepoy, Lance Nalk, Nalk, Havildar, Havildar Major, Jemadar, Subedar/Risaldar, Subedar Major/Risaldar Major, 2nd Lieutenant, Lieutenant, Captain, Major, Lieut. Colonel, Colonel, Brigadier, Major General, Lieut. General, General.

Jemadars, Subedars, Risaldars, Subedar Majors and Risaldar Majors are Junior Commissioned officers, while those with the ranks of 2nd Lieutenant and above are officers.

The various ranks in the Navy from the top downwards are as follows :

Admiral, Vice-Admiral, Rear-Admiral, Commodore, Captain, Commander, Lieut.-Commander, Lieutenant, Acting Sub-Lieutenant, Branch List Officer, Midshipman, Chief Petty Officer, Petty Officer, Leading Rate, Able Rate, Ordinary Rate.

The ranking in the IAF is as follows :

Air Chief Marshal, Air Marshal, Air Vice-Marshal, Air Commodore, Group Captain, Wing Commander, Squadron Leader, Flight Lieutenant, Flying Officer, Pilot Officer. These are officers.

The men are ranked as follows :

Master Warrant Officer, Warrant Officer, Flight Sergeant, Sergeant, Corporal, Leading Aircraftman, Aircraftman Class I, Aircraftman Class II.

INDIAN SOLDIERS', SAILORS' AND AIRMEN'S BOARDS

These Boards are probably the most important and valuable non-official institutions connected with the Armed Forces. The nucleus of their funds was the residue of the Imperial

Indian War Relief Fund which was handed in at the end of 1922. The face value of the securities constituting the fund amounted on 31st March 1953 to Rs. 11,97,700, bearing an annual interest of Rs. 35,031.

The Board has its seat at New Delhi and co-ordinates the activities of State Boards which exist in each State. Under the control of these State Boards there exists throughout the country a network of District Boards reinforced in some cases by Tehsil or Taluka Committee and other kindred bodies. These Boards are established in all districts from which recruits have been obtained in sufficient numbers. The President of the Board is the Collector or the Deputy Commissioner. Each Board has a paid Secretary, usually an ex-I.C.O. or ex-J.C.O. At present there are 176 District Boards.

The following are the objects and duties of the District Soldiers', Sailors', and Airmen's Boards :—

- (a) Constantly to endeavour to promote and maintain a feeling of good-will between the civilian and military classes ;
- (b) To give all possible assistance to the President of the Board in his capacity as head of the district in all administrative matters connected with the ex-Serviceman or his family ;
- (c) To demonstrate the benefit of and so promote the desire for mutual co-operation between ex-Servicemen and civilian officials ;
- (d) To represent and explain to the local authorities all matters of particular moment to ex-Servicemen that require the attention of the local administration ;
- (e) Generally to watch over the welfare of the ex-servicemen and their families, and the interests of serving personnel absent from home, with their units.

The Indian Soldiers', Sailors' and Airmen's Board Fund is now used primarily for payment of special pensions to blinded ex-Servicemen, and to meet the expenditure on miscellaneous items such as bank charges, audit fees, etc., in connection with the administration of the fund. The surplus interest on investments is being utilised towards the maintenance of the District Soldiers', Sailors' and Airmen's Boards.

There are other Central funds which are not under the control of the Indian Soldiers' Sailors' and Airmen's Boards. They are :

Armed Forces Benevolent Fund, Flag Day Fund (1952-53 : Rs. 7 lakhs), Armed Forces Reconstruction Fund, the Army Central Welfare Fund, the Indian Navy Benevolent Association Fund, the Indian Navy Amenities Fund, the Indian Air Force Benevolent Association Fund, the Indian Air Force Central Welfare Fund, St. Dunstan's India Fund.

LAWS OF 1952-53

THE following is a list of the Acts passed between February and August 1952. The dates within the brackets are the dates when the bill got the assent of the President and became an Act:—

1. The Part B States Marriages Validating Act, 1952 (February 15, 1952).
2. The Prevention of Corruption (Amendment) Act, 1952 (February 15, 1952).
3. The Indian Explosives (Amendment) Act, 1952 (February 22, 1952).
4. The Madras Port Trust (Amendment) Act, 1952 (February 23, 1952).
5. The Delhi University (Amendment) Act, 1952 (February 23, 1952).
6. The Capital Issues (Continuance of Control) Amendment Act, 1952 (February 23, 1952).
7. The Abducted Persons (Recovery and Restoration) Amendment Act, 1952 (February 23, 1952).
8. The Foreign Exchange Regulation (Amendment) Act, 1952 (February 23, 1952).
9. The Indian Independence Pakistan Courts (Pending Proceedings) Act, 1952 (February 23, 1952).
10. The Uttar Pradesh Cantonments (Control of Rent and Eviction) Act, 1952 (February 27, 1952).
11. The Bombay Port Trust (Amendment) Act, 1952 (February 29, 1952).
12. The Coal Mines (Conservation and Safety) Act, 1952 (March 4, 1952).
13. The Appropriation Act, 1952 (March 4, 1952).
14. The Punjab Appropriation Act, 1952 (March 4, 1952).
15. The Appropriation (Railways) Act, 1952 (March 4, 1952).
16. The Punjab Appropriation (Vote on Account) Act, 1952 (March 4, 1952).
17. The Control of Shipping (Amendment) Act, 1952 (March 4, 1952).
18. The Industrial Disputes (Amendment) Act, 1952 (March 4, 1952).
19. The Employees' Provident Funds Act, 1952 (March 4, 1952).
20. The Inflammable Substances Act, 1952 (March 6, 1952).
21. The Appropriation (Railway) Vote on Account Act, 1952 (March 6, 1952).
22. The Bombay Coastal Vessels (Amendment) Act, 1952 (March 6, 1952).
23. The Code of Criminal Procedure (Amendment) Act, 1952 (March 6, 1952).
24. The Criminal Tribes Laws (Repeal) Act, 1952 (March 6, 1952).
25. The Indian Boilers Amendment Act, 1952 (March 6, 1952).
26. The Delhi Special Police Establishment (Amendment) Act, 1952 (March 6, 1952).
27. The Indian Tariff (Amendment) Act, 1952 (March 7, 1952).
28. The Appropriation (Vote on Account) Act, 1952 (March 7, 1952).
29. The Finance Act, 1952 (March 7, 1952).
30. The Requisitioning and Acquisition of Immovable Property Act, 1952 (March 14, 1952).
31. The Presidential and Vice-Presidential Elections Act, 1952 (March 14, 1952).
32. The Contempt of Courts Act, 1952 (March 14, 1952).
33. The Territorial Army (Amendment) Act, 1952 (March 14, 1952).
34. The Preventive Detention (Amendment) Act, 1952 (March 14, 1952).
35. The Mines Act, 1952 (March 15, 1952).
36. The Indian Standards Institutions (Certification Marks) Act, 1952 (March 21, 1952).

37. The Cinematograph Act, 1952 (March 21, 1952).
38. The Delhi and Ajmer Rent Control Act, 1952 (April 15, 1952).
39. The Saurashtra (Abolition of Sea Customs Duties and Imposition of) Port Development Levy Repealing Act, 1952 (July 10, 1952).
40. The Displaced Persons (Claims) Amendment Act, 1952 (June 10, 1952).
41. The Calcutta Port (Amendment) Act, 1952 (June 10, 1952).
42. The Indian Tariff (Second Amendment) Act, 1952 (June 15, 1952).
43. The Appropriation (Railways) No. 2 Act, 1952 (July 19, 1952).
44. The Appropriation (No. 2) Act, 1952 (July 22, 1952).
45. The Indian Tariff (Third Amendment) Act, 1952 (July 22, 1952).
46. The Criminal Law Amendment Act, 1952 (July 28, 1952).
47. The Maintenance Orders Enforcement (Amendment) Act, 1952 (July 30, 1952).
48. The Repealing and Amending Act, 1952 (August 2, 1952).
49. The Indian Tea Control (Amendment) Act, 1952 (August 2, 1952).
50. The Rubber (Production and Marketing) Amendment Act, 1952 (August 2, 1952).
51. The Indian Companies (Amendment) Act, 1952 (August 6, 1952).
52. The Essential Goods (Declaration and Regulation of Tax on Sale or Purchase) Act, 1952 (August 9, 1952).
53. The Notaries Act, 1952 (August 9, 1952).
54. The Central Tea Board (Amendment) Act, 1952 (August 9, 1952).
55. The Indian Ports (Amendment) Act, 1952 (August 9, 1952).
56. The Central Silk Board (Amendment) Act, 1952 (August 9, 1952).
57. The National Cadet Corps (Amendment) Act, 1952 (August 11, 1952).
58. The Salaries and Allowances of Ministers Act, 1952 (August 12, 1952).
59. The Prevention of Corruption (Second Amendment) Act, 1952 (August 12, 1952).
60. The Commissions of Inquiry Act, 1952 (August 14, 1952).
61. The Preventive Detention (Second Amendment) Act, 1952 (August 22, 1952).
62. The Reserve and Auxiliary Air Forces Act, 1952 (August 22, 1952).
63. The State Armed Police Forces (Extension of Laws) Act, 1952 (August 22, 1952).
64. The Code of Criminal Procedure (Second Amendment) Act, 1952 (August 27, 1952).
65. The Essential Supplies (Temporary Powers) Amendment Act, 1952 (August 27, 1952).

The following acts were passed during the year 1953:—

66. The Indian Tariff (Fourth Amendment) Act.
67. The Sugar (Temporary Additional Excise Duty) Act.
68. The Indian Oilseeds Committee (Amendment) Act.
69. The Indian Coconut Committee (Amendment) Act.
70. The Indian Patents and Designs (Amendment) Act.
71. The Code of Civil Procedure (Amendment) Act.
72. The Mysore High Court (Extension of Jurisdiction to Coorg) Act.
73. The Indian Power Alcohol (Amendment) Act.
74. The Forward Contracts (Regulation) Act.

75. The West Bengal Evacuee Property (Tripura Amendment) Act.
76. The Influx from Pakistan (Control) Repealing Act.
77. The Abducted Persons (Recovery and Restoration) Amendment Act.
78. The Industrial Finance Corporation (Amendment) Act.
79. The Iron and Steel Companies Amalgamation Act.
80. The Appropriation (No. 3) Act.
81. The Delimitation Commission Act.

DETAILS

Some of the more important Acts from the above are dealt with in detail below.

Act 1. The Part B States Marriages Validating Act.—S. 2. The Christian Marriages solemnised under the Indian Christian Marriage Act, 1872 in any Part B States other than Jammu and Kashmir between 26th January 1950 and 31st March 1951 shall be valid.

Act 2. The Prevention of Corruption (Amendment) Act.—Amends the Prevention of Corruption Act, 1947 by substituting in subsection 3 of section 1 of the Act the words 'ten years' for the words 'five years'.

Act 4. The Madras Port Trust (Amendment) Act.—Amends the Madras Port Trust Act, 1905. The number of trustees is reduced from twenty-one to twenty.

Act 5. The Delhi University (Amendment) Act.—Amends the Delhi University Act 1922.

S. 2 makes the Delhi University a teaching and affiliating University.

Act 7. The Abducted Persons (Recovery and Restoration) Amendment Act.—Amends the Abducted Persons (Recovery and Restoration) Act, 1949 and lays down the extent of its application.

Act 8. The Foreign Exchange Regulation (Amendment) Act.—Amends the Foreign Regulation Act, 1917.

S. 2 extends the life of the principal Act into December 1957.

S. 6 makes certain provisions relating to obligations of foreign companies to furnish certain information to the Central Government and incidental things.

S. 7 lays down that if information is not supplied to the Central Government, warrant may be issued against the defaulting person.

S. 9 makes the Sea Customs Act applicable in certain cases.

Act 9. The Indian Independence Pakistan Courts (Pending Proceedings) Act.—S. 3. Certain Pakistan decrees will not be given effect to in India.

S. 4. A holder of such a decree may institute a fresh suit within one year from the commencement of the Act.

Act 11. The Bombay Port Trust (Amendment) Act.—Amends the Bombay Port Trust Act of 1879.

Act 12. The Coal Mines (Conservation and Safety) Act.—Provides for the conservation of coal and for safety in coal mines.

S. 4 provides for establishment of a Coal Board.

S. 5 lays down the functions of the Board.

S. 6 empowers the Board to enter upon any property in which the work has to be done.

S. 7. Powers of the Central Government in respect of safety in coal mines and conservation of coal are stated.

S. 8. The Central Government may impose excise duties not exceeding one rupee per ton on all coal raised and dispatched. Additional duty may be imposed on selected coal.

S. 9. The Central Government may impose Customs duty on all coal imported or brought into India.

Secs. 10 and 11 provide for collection of excise duties and payment to the Coal Board.

S. 12 creates the Coal Mines Safety and Conservation Fund and lays down that the money received by the Board shall be credited to this Fund. It also lays down the purposes for which the fund may be used.

S. 13 lays down powers of Inspectors and the Chief Inspector as regards examination and inquiry to ascertain whether the provisions of the Act are complied with or not.

S. 14 makes some of the provisions of the Indian Mines Act, 1923 applicable to an order issued under this Act.

S. 15 lays down the composition of Advisory Committees.

S. 16 protects every action taken in good faith.

Act 17. The Control of Shipping (Amendment) Act.—Amends the Control of shipping Act, 1947 by substituting the figures "1954" in place of the figures "1952" in sub-section 13J of Section 1 of the Principal Act.

Act 18. The Industrial Disputes (Amendment) Act.—Amends the Industrial Disputes Act, 1947.

S. 3 lays down that the Tribunal to which a dispute is referred for adjudication shall confine its adjudication to those points and matters incidental thereto. It also lays down that the appropriate Government may include, while making an order for adjudication in a dispute concerning any establishment, similar establishment in the order.

S. 5 repeals corresponding ordinance.

Act 19. The Employees' Provident Funds Act.—Provides for the institution of provident funds for employees in factories and other establishments.

S. 3 empowers the Central Government to apply this Act to establishments which have a common provident fund with a factory.

S. 6. The employers' contribution shall be six and a quarter per cent of the basic wages and dearness allowances, and the employees contribution shall not exceed eight and one third per cent.

S. 8 lays down the mode of recovery of moneys due from employers.

S. 12. No employer shall by reason only of his liability for any contribution payable under this Act reduce directly or indirectly wages of any employee.

S. 13. Provides for appointment of Inspectors under this Act.

S. 14. The punishment for violation of provisions of this Act may extend to six months.

S. 16. This Act will not apply to factories belonging to Government or local authority but also to infant factories, i.e. factories that have not completed three years of existence.

S. 17 empowers the appropriate Government to exempt from the operation of this Act any factory if the rules of its Provident fund are in conformity with this Act or are more favourable to the employee.

S. 20 repeals the ordinance 8 of 1951. Schedule I mentions the industries: Cement, Cigarettes, Electrical, Mechanical or general engineering products, Iron and Steel, paper and textiles.

Act 20. The Inflammable Substances Act.—S. 3 mentions the dangerously inflammable substances. They are acetone, calcium phosphide, carbide of calcium, cinematograph films having a nitro-cellulose base, ethyl alcohol, methyl alcohol and wood naphtha.

S. 4 empowers the Central Government to apply the Petroleum Act of 1934 to dangerously inflammable substances.

S. 7 repeals section 80 of the Petroleum Act.

Act 23. The Code of Criminal Procedure (Amendment) Act.—Empowers the Supreme Court to transfer cases and appeals from one High Court to another High Court or from a Criminal Court subordinate to one High Court to another Criminal Court of equal or superior jurisdiction subordinate to another High Court. The Act also lays down the procedure to be followed by the Court to which the case is transferred.

Act 24. The Criminal Tribes Law (Repeal) Act.—Provides for the repeal of the Criminal Tribes Act, 1924 and certain other laws corresponding thereto with effect from the 31st day of August 1952.

Act 27. The Indian Tariff (Amendment) Act.—Amends the Indian Tariff Act of 1934.

Act 29. The Finance Act.—S. 2 makes provision for the continuance for the financial year the existing rates of income-tax and super-tax.

S. 3 provides for additional duties on Customs and Excise.

S. 4 discontinues salt duty from 1st April 1952.

Act 30. The Requisitioning and Acquisition of Immovable Property Act.—S. 1. The Act shall remain in force for a period of six years from the date of the commencement.

S. 3 empowers the competent authority to requisition immovable property for a public purpose, being a purpose of the Union. Before requisitioning, the landlord will be given a notice in writing and will be asked to show cause why the property should not be requisitioned. It also lays down that certain properties cannot be requisitioned.

S. 6. The requisitioned property may be released at any time by the Central Government. If the requisitioned property is destroyed by any act not due to the fault of the Government, the requisitioning shall be void.

S. 8 lays down the principles and method of determining compensation.

S. 10 provision is made for appeals from orders of requisitioning. The appeal is to be preferred to the Central Government.

S. 11. Provision is made for appeals from awards in respect of compensation.

S. 14 provides for power to enter and inspect.

S. 19 bars the jurisdiction of Civil Courts as regards matters under this Act.

S. 23 validates certain requisitions and acquisitions.

S. 24 repeals the following Acts.

(i) The Requisitioned land (Continuance of Powers) Act, 1947 and the Requisitioning and Acquisition of Immovable Property Ordinance, 1952.

Act 31. The Presidential and Vice-Presidential Elections Act.—Regulates certain matters relating to or connected with elections to the office of President and Vice-President of India.

Part II refers to the actual conduct of Presidential and Vice-Presidential elections.

Part III lays down rules for removing disputes regarding elections.

Part V contains miscellaneous provisions.

Act 32. The Contempt of Courts Act.—Defines and limits the powers of certain Courts in punishing contempts of Courts.

S. 3 lays down that no High Court shall take cognizance of a contempt alleged to have been committed in respect of a court subordinate to it, where such contempt is an offence punishable under the I.P. Code.

S. 4 lays down that the punishment for contempt may extend to simple imprisonment for a term not exceeding six months or fine upto two thousands or both.

S. 5 empowers the High Court to try offences committed or offenders found outside its jurisdiction.

Act 33. The Territorial Army (Amendment) Act.—Amends the Territorial Army Act of 1948.

S. 2. lays down that it shall be the duty of every employer by whom a person who is required to perform military service was employed to re-instate him in his employment. He must be employed on conditions not less favourable than those which would have been applicable to him had his employment not been interrupted. Under certain circumstances an employer may be exempted from this liability. During the period of military service the employee shall continue to enjoy the rights under any provident fund or any other similar scheme.

Act 34. The Preventive Detention (Amendment) Act.—Amends the Preventive Detention Act of 1950.

S. 3 lays down rules as regards validity and duration of detention in certain cases.

Act 35. The Mines Act.—Amends and consolidates the law relating to the regulation of labour and safety in mines.

Chapter II lays down provisions as regards Inspectors and Certifying Surgeons.

It also provides that the District Magistrate may exercise powers and perform the duties of an Inspector, under certain circumstances.

S. 7 lays down the powers of Inspectors of Mines.

S. 9. All facilities must be afforded to Inspectors.

S. 11 refers to the appointment of a Certifying Surgeon and mentions his duties.

Chapter III deals with Mining Boards and Committees.

S. 12 provides for Constitution of Mining Boards.

S. 13 lays down the constitution of Committees.

S. 14 states the powers of Mining Boards.

S. 15 lays down rules as regards recovery of expenses of any inquiry, from the owner or the agent of the mine concerned.

S. 16. Every owner or agent must give notice to the Chief Inspector, before beginning mining operations.

S. 17 provides for the appointment of a Manager for every mine.

S. 18 lays down in detail duties and responsibilities of owners, agents, and managers.

S. 19. Arrangements ought to be made in every mine for cool and wholesome drinking water.

S. 20 lays down the detailed provisions regarding consanguinity.

S. 21 provides for medical facilities.

S. 22. The Inspector may give notice to the owner, calling upon him to make necessary repairs.

S. 23. It is obligatory for every owner of a mine to give notice of any accident that might happen in the mine.

S. 24 empowers the Central Government to appoint a Court of Inquiry in cases of accident.

S. 25 lays down the procedure to be followed in case a miner contracts a disease connected with mining operations.

S. 28. Only six days in a week will a miner be required to work.

S. 29 provides for compensatory days of rest in case a person is deprived of his weekly days of rest.

S. 30 there will be only 48 hours a week.

S. 31. Hours of work below ground shall not be more than eight hours in a day and 44 hours in a week as a general rule.

S. 33. Extra-wages will be paid for overtime and also the rate of the extra wages.

S. 35. An adult may be employed for fifty-six hours a week and the total number of hours of his overtime work cannot exceed fifty for any one quarter.

S. 37 excludes the supervising staff from the operation of section 28, 30, 31, 34 and 36.

S. 43 empowers an Inspector to serve on the Manager of the Mine a notice requiring that a particular person shall be medically examined by a Certifying Surgeon.

S. 45. No child shall be employed in any mine.

S. 46 lays down rules as regards employment of women in mines.

S. 51 provides for annual leave with wages, the period of leave may be seven days or fourteen days, depending upon the nature of employment.

S. 56 empowers the Central Government to exempt certain mines from the application of these leave rules.

S. 61 lays down that the owner of a mine is to make bye-laws, if called upon to do so either by the Chief Inspector or an Inspector.

S. 72 lays down the obligations of persons, employed in a mine.

S. 73 provides penalty for disobedience of orders.

S. 77 mentions the cases in which the owner, or agent or Manager may be exempted from liability.

S. 80. No court inferior to that of a Presidency Magistrate or Magistrate of the First Class shall try offences under this Act.

S. 81. The Court may refer the case to Mining Board or Committee in lieu of prosecution under certain circumstances.

S. 85. This Act shall apply to mines belonging to the Government.

S. 86. Certain provisions of the Factories Act of 1948 will be applicable to all mines.

S. 88 repeals the Indian Mines Act of 1923.

Act 36. The Indian Standards Institution (Certification Marks) Act.—Provides for the standardisation and marking of goods.

S. 3 lays down powers and duties of Indian Standards Institution.

S. 5 provides for prohibition of improper use of standard marks.

S. prohibits registration in certain cases.

S. 8 enables the Institution to appoint Inspectors.

S. 13. Penalty for improper use of standard marks may be a fine which may extend to Rs. 10,000.

S. 17. This Act will not affect the operation of the Agricultural Produce (Grading and Marking) Act of 1937 and the Drugs Act of 1940.

Act 37. The Cinematograph Act.—S. 1 lays down that Parts I, II and IV extends to the whole of India, while Part III to Part 'C' States only.

S. 3 provides for the constitution of a Board of Film Censors.

S. 4 provides for certification of films as 'U', i.e. for all, and 'A' i.e. for adults only. It also enables the Board to refuse certification.

S. 5 provides for an appeal against the decision of the Board to the Central Government.

S. 9 empowers the Central Government to exempt the exhibition of any film or class of films from any of the provisions of this Part.

Part 3 also deals with the same topic but with respect to Part 'C' States.

S. 11. The licensing authority shall be the District Magistrate.

S. 12 enables the aggrieved person to appeal to the State Government.

S. 13 empowers the Central Government or local authority to suspend exhibition of films, if it is likely to cause breach of peace.

S. 18 repeals the Cinematograph Act, 1918 (Act II of 1918). In Part A and Part B States the repeals shall have effect only in so far as the said Act relates to the sanctioning of cinematograph films exhibition.

Act 40. The Displaced Persons (Claims) Amendment Act.—Amends the Displaced Persons (Claims) Act of 1950.

S. 2 says "It shall remain in force for a period of three years only."

S. 3 repeals the Displaced Persons (Claiming) Ordinance of 1952.

Act 41. The Calcutta Port (Amendment) Act.—Amends the Calcutta (Port) Act of 1890.

Act 42. The Indian Tariff (Second Amendment) Act.—Amends the Indian Tariff Act of 1934.

Act 45. The Indian Tariff (Third Amendment) Act.—Amends the Indian Tariff Act of 1934.

S. 2 enables the Central Government to rescind the notification approved by Parliament.

Act 46. The Criminal Law Amendment Act.—Provides for a more speedy trial of certain offences.

S. 2. The maximum period of imprisonment is three years instead of two years.

S. 3. provides for punishment for abetment of offences defined in section 161 or section 165.

S. 5 provides for transfer of some cases to the Court of Special Judge appointed under the Criminal Law Amendment Act.

S. 6 empowers the State Government to appoint special judges. Only a Sessions Judge or an Additional Sessions Judge will be qualified to be appointed a judge under this Act.

S. 7. Every offence specified in sub-section (1) of section 6 shall be tried by the Special Judge for the area.

S. 8. The Special Judge has the power to tender pardon to any person supposed to have been directly or indirectly concerned in an offence. The procedure laid down by the Cr.P.C. will be followed in trial of such cases.

S. 9 provides for appeals and revision.

S. 10 provides for transfer of all cases triable by a special judge, but pending before any Magistrate to the Special Judge having jurisdiction over such cases.

Act 49. The Indian Tea Control (Amendment) Act.—Amends the Indian Tea Control Act of 1938.

S. 3 lays down the duration of the office to be held by the members.

S. 4 prohibits planting of tea in any land which was not planted with tea or on the 31st day of March 1950.

Act 51. The Indian Companies (Amendment) Act.—Amends the Indian Companies Act of 1913.

S. 2 enables the Central Government to exempt any company from the operation of sub-section (1) of section 1 in the public interest.

Act 52. The Essential Goods (Declaration and Regulation of Tax and Sale or Purchase) Act.—Declares that certain goods are essential for the life of the Community.

S. 2 declares that the goods specified in the schedule are declared to be essential for the life of the community.

S. 3 lays down that any law, authorising the imposition of a tax on the sale or purchase of the goods mentioned in the Schedule, must be reserved for the consideration of the President, otherwise it will have no effect.

Act 53. The Notaries Act.—Regulates the profession of notaries.

S. 3 empowers the Central Government and the State Government to appoint notaries.

S. 4 makes it obligatory for the Government to maintain a Register including detailed information about the notaries.

S. 8 mentions in detail the functions of notaries. All acts done by a notary in his official capacity must bear his signature and have the official seal.

S. 10 mentions the circumstances under which the name of a notary may be removed from the register.

S. 12 provides penalty for falsely representing to be a notary.

S. 14 lays down rules as regards reciprocal arrangements for recognition of notarial acts done by foreign notaries.

S. 16 amends the definition of 'Notary Public' in the Negotiable Instruments Act of 1881.

Act 54. The Central Tea Board (Amendment) Act.—Amends the Central Tea Board Act of 1949.

S. 2 adds a proviso to Clause (V) of section 4 of the Principal Act.

Act 55. The Indian Ports (Amendment) Act.—Amends the Indian Ports Act of 1908.

Both Ss. 2 and 3 are with respect to the breaking of the Vessel, and payment of deficiency to the Conservator on demand.

Act 56. The Central Silk Board (Amendment) Act.—Amends the Central Silk Board Act of 1948.

S. 2 provides for the membership of the Board from the Parliament.

S. 3 provides for nomination by the Central Government in place of election by the Board.

Act 57. National Cadet Corps (Amendment) Act.—Makes a minor amendment in the National Cadet Corps Act of 1948. It lays down that two members will be elected by the House of the People and one member by the Council of States annually on the Advisory Committee.

Act 58. The Salaries and Allowances of Ministers Act.—Provides for the salaries and allowances of Ministers.

S. 2. The term 'Minister' includes a Deputy Minister.

S. 3. Salary of a Minister will be Rs. 2,250 and that of a Deputy Minister Rs. 1,750 per month.

S. 4 lays down that a Minister shall be entitled without payment of rent to the use of a furnished residence.

S. 5 provides for sumptuary allowances to Ministers.

S. 7 entitles a Minister to medical treatment free of charge.

S. 8 enables the Ministers to draw advances for purchase of motor-cars.

S. 9 lays down that Ministers will not draw salary or allowances as members of Parliament.

Act 59. The Prevention of Corruption (Second Amendment) Act.—Amends the Prevention of Corruption Act of 1947.

S. 3 lays down a presumption to be accepted by a Court under Section 165A when any one is tried for corruption.

S. 5 lays down rules about investigation into cases under this Act.

S. 6 lays down rules as regards the appropriate Government, the previous sanction of which is necessary for prosecution under this Act.

Act 60. The Commissions of Inquiry Act.—Provides for the appointment of Commissions of Inquiry and for vesting such Commissions with certain powers.

S. 4. The Commission shall have powers of a Civil Court in respect of certain matters such as production of evidence and attendance of witnesses.

S. 5. The Commission can compel any person to furnish the required information. It also enables the Commissioner to enter any building for getting any book of accounts, etc.

S. 6 protects a person who gives evidence before a Commission for statements made to the Commission, provided they are relevant.

S. 11. This Act may be made applicable by the Government to other inquiring authorities in certain cases.

Act 61. The Preventive Detention (Second Amendment) Act.—Amends the Preventive Detention Act of 1950.

S. 2 extends the life of the Principal Act upto 31st December 1951.

S. 5 makes every offence under the Act cognizable.

S. 6 amends section 7 of the Principal Act by substituting not more than five days from the date of detention for the words "as soon as may be".

S. 7 lays down rules about appointment of the advisory Boards.

S. 8 lays down procedure to be followed for making references to Advisory Boards, within 80 days from the date of detention the Advisory Board must get all relevant papers from the Government.

S. 9. The Advisory Board must submit the report within 10 weeks from the date of detention.

S. 10 provides for maximum period of detention.

S. 11 enables the appropriate Government to issue a fresh detention order.

Act 62. The Reserve and Auxiliary Air Force Act.—Provides for the constitution and regulation of certain Air Force Reserves and also an Auxiliary Air Force and for matters connected therewith.

S. 4 provides for constitution of Regular Air Force Reserve.

S. 5 lays down rules about recruitment to the Regular Air Force Reserve.

S. 6 mentions the classes of persons in the Regular Air Force Reserve styled as (i) General duties officer, (ii) Ground duties officers and (iii) Airmen.

S. 7 enables the competent authority to extend the period of service not exceeding in the aggregate five years.

S. 8 provides for the termination of service in the Reserve.

S. 9 enables the Central Government to constitute Air Defence Reserve.

S. 10 mentions the three classes of the members of the Air Defence Reserve.

S. 15 provides for registration of persons who are considered for the enrolment.

S. 16 enables the competent authority to call up a person, whose name is entered in the register for service.

S. 17 lays down rules about the period of service.

S. 18 enables the Central Government to constitute an Auxiliary Air Force.

S. 19. There shall be three classes of the members of the Auxiliary Air Force.

S. 20 provides for granting commissions to a fit person in the Auxiliary Air Force.

S. 21 lays down rule as regards eligibility for enrolment.

S. 22 lays down the period of service, which is five years. This may be extended upto 10 years at the willingness of the person concerned.

S. 23 lays down rules as regards termination of service.

S. 24 provides for constitution of Advisory Committees.

S. 25. Every member of an Air Force Reserve of the Auxiliary Air Force shall be liable to be called up for service.

S. 26 applies Air Force Act of 1950 to every member of an Air Force Reserve or of the Auxiliary Air Force.

S. 27. Every employer is bound to give leave to his employee, if he is called up for service and to reinstate him in his employment on the termination of the period of service. The section however empowers the authority to exempt an employer from the provisions of this Act. It also provides penalty to be imposed on an employer who fails to obey the order of the appropriate authority.

S. 28 preserves certain rights of persons called up for service. The rights relate to provident fund or superannuation fund or any other scheme for the benefit of the employee.

S. 29 provides for pay and allowances to the member of the Air Force Reserve or Auxiliary Air Force during the period of training or active service. The difference will have to be paid by the employer.

S. 31 lays down rules as regards service of notice.

S. 36 repeals the Indian Air Force Volunteer Reserve (Discipline) Act of 1939.

Act 63. The State Armed Police Forces (Extension of Laws) Act.—S. 3. Where any detachment of an armed police force of a State is serving in any part of another State, then every member of that detachment shall continue to be subject to the same laws in respect of discipline and liabilities as would have been applicable to him if he had been discharging these functions within the State.

S. 5 repeals the United Provinces Provincial Armed Constabulary (Extension of Laws) Act of 1919.

The Police Force Constituted under these Acts will be considered 'armed police force' under this Act.

Act 64. The Code of Criminal Procedure (Second Amendment) Act.—Amends the Code of Criminal Procedure of 1898.

S. 2 substitutes the words "the armed forces" instead of the words and figures "The Indian Army, Navy and Air Force or a person subject to the Territorial Army Act of 1948".

S. 5 enables any Commissioned officer of the Armed forces namely the Army, the Navy, Air Force or of Territorial Army to disperse any assembly.

Act 66. The Indian Tariff (Fourth Amendment) Act.—S. 2 amends the first schedule to the Act of 1934, in order to continue protection of certain Industries on the advice of the Tariff Commission.

S. 4 empowers the Central Government to appoint the President of the Committee.

Act 70. The Indian Patents and Designs (Amendment) Act.—Amends the Indian Patent and Designs Act of 1911.

S. 2 empowers the Controller to grant licence at any time whilst the patent is in force. The Controller must ensure while granting such licence that food, medicine and surgical and curative devices are available at the lowest price.

Act 71. The Code of Civil Procedure (Amendment) Act.—Amends the Code of Civil Procedure Act of 1908.

S. 2 amends section 44A of the Act and omits the words "the United Kingdom" and substitutes new explanations for original explanations 1 to 3. The explanations refer to "Reciprocating Territory and Decree".

Act 74. The Forward Contracts (Regulation) Act.—This Act provides for the regulation of certain matters, relating to forward contracts, the prohibition of options in goods and for matters connected therewith. It is not applicable to transactions on stock exchange. Forward contracts can be allowed only in accordance with the rules and bye-laws of a recognised association. The Act makes provision for establishment of Forward Markets Commission and of an Advisory Committee.

S. 3 enables the Central Government to establish the Forward Markets Commission. Lays down the composition and constitution of the Commission.

S. 4 lays down some of the functions of the Commission.

S. 5 lays down that any association concerned with the regulation and control of forward contracts may make an application to the Central Government.

S. 6 enables the Central Government to grant recognition to the Association that has applied for it, after making the necessary inquiry. The Central Government may lay down conditions. The section also empowers the Central Government to issue direction to the Association as regards membership, etc. before granting recognition.

S. 7 provides for the withdrawal of recognition.

S. 8 empowers the Central Government to call for periodical returns or to direct inquiries to be made.

S. 11 empowers the recognised association to make bye-laws. The bye-laws must be approved by the Central Government.

S. 13 empowers the Central Government to supersede governing body of recognised association. The Government, however, will give reasonable opportunity to the association to show cause why it should not be superseded. The Government then may appoint any person to perform the functions of the governing body.

S. 14 empowers the Central Government to suspend business of recognised associations.

S. 15. The Central Government may by notification declare in the forward contracts in notified goods will be illegal or void under certain circumstances. The section lays down the consequences in detail, of such a notification on the members of recognised associations.

S. 16 mentions the consequences of such notifications on the forward contracts entered into before the date of notification.

S. 17 empowers the Central Government to prohibit forward contracts in certain cases.

S. 19 prohibits options in goods.

Chapter V lays down penalties and procedure.

S. 24 states that no Court inferior to that of Presidency Magistrate or a Magistrate of the first class shall take cognizance under this Act.

S. 25 enables the Central Government to establish an advisory Committee.

S. 27 enables the Central Government to exempt any Contract or class of contracts from the operation of this Act.

Act 76. The Influx from Pakistan (Control) Repealing Act.—S. 2 repeals the Influx from Pakistan (Control) Repealing Act of 1949.

S. 3 saves from repeal any permit which was intended to continue in force beyond 15th October 1952.

Act 77. The Abducted Persons (Recovery and Restoration) Amendment Act.—S. 2 extends the life of the Abducted Persons (Recovery and Restoration) Act of 1949 upto 28th February 1954.

S. 5 refers to the power to take into custody abducted persons found in territories to which the other provisions of this Act do not extend.

S. 9 repeals the Abducted Persons (Recovery and Restoration) Amendment Ordinance of 1952.

Act 78. The Industrial Finance Corporation (Amendment) Act.—Amends the Industrial Finance Corporation Act of 1948.

S. 6 deals with removal of Director from office.

S. 7 refers to filling the casual vacancy of Managing Director.

S. 16 lays down rules as regards loan in foreign currency.

S. 17 lays down the procedure to be followed when the management of an Industrial concern is taken over by the Corporation.

S. 19 provides the procedure to be adopted by the Corporation when an Industrial concern fails to comply with the terms of agreement.

S. 20 inserts new sections 30A to 30E in the Act. S. 30A empowers the corporation to appoint directors of an Industrial concern when the management of the same is taken over.

S. 30B mentions the effect of notified order appointing directors. All persons holding office as directors of the concern shall be deemed to have vacated their offices. It will also put an end to any contract of management between the concern and any managing agent.

S. 30C lays down the powers and duties of the directors appointed under section 30A.

S. 30D lays down that there will be no right to compensation for termination of contract of Managing agents, managing director, etc.

S. 30E lays down rules as regards the application of the Indian Companies Act to the Industrial concerns.

S. 22 refers to the constitution of special reserve fund.

S. 24 refers to the auditing of the affairs of the Corporation.

S. 29 provides for the effect of this Act on other laws.

Act 79. The Iron and Steel Companies Amalgamation Act.—S. 3 provides for amalgamation of certain companies engaged in the iron and steel industry.

S. 4 provides for transfer of certain items of property of dissolved company.

S. 5. All contracts, deeds, agreements, etc. of the dissolved Company shall be of as full force and effect against or in favour of the Iron and Steel Company, as the case may be.

S. 6 lays down rules as regards savings of legal proceedings to which the dissolved Company is a party.

S. 7 lays down the terms of transfer as respects shareholders in the dissolved Company.

S. 8 lays down rules as regards priority as between secured creditors of the dissolved Company and the secured creditors of the Iron and Steel Company.

S. 9 lays down provisions with respect to taxation.

S. 10 provides for payment of interim dividends to shareholders in the dissolved Company.

S. 11 lays down provision respecting existing officers and other employees of the dissolved Company.

S. 12 lays down rules as regards the position of directors of the dissolved Company.

S. 13 provides for the dissolution of the Steel Corporation of Bengal Limited.

S. 15 repeals the Iron and Steel Companies Amalgamation Ordinance of 1952.

Act 81. The Delimitation Commission Act.—S. 3 provides that the Delimitation Commission shall consist of three members of which the Chief Election Commissioner will be one.

S. 4 mentions the duties of the Commissioner, i.e. the delimitation of Constituencies.

S. 5 provides for appointment of associate members. The number of such members may vary from two to seven, depending upon the population of the State. The associate members shall have no right to vote.

S. 7. The Commission shall have powers of a Civil Court with respect to certain matters.

S. 8 provides for the manner of making readjustment and delimitation. In making the readjustment the Commission shall have regard to provisions of Article 81 and Article 330 of the Constitution. The Commission shall not make readjustment as regards the State of Jammu and Kashmir.

S. 9. The final orders of the Commission shall be published in the *Gazette of India* and such publication will give the orders the force of law. Every published order shall be laid before the House of the People.

EDUCATION

SINCE August 15, Education at the Centre has been constituted into a separate Ministry of Education, the present Minister for Education being Maulana Abul Kalam Azad. The State Governments are fully autonomous in regard to educational matters except in respect of educational development programme for which they receive grants-in-aid from the Central Government. Such programme has to be approved by the Central Government who have to examine whether it is in accord with the All-India approved educational policy.

The Ministry has offices in London, Washington, Nairobi and Bonn.

In the States the Secretary, Department of Education, is the permanent head of the Department and the Director of Public Instruction (in some States he is called the Director of Education) acts as an expert Adviser to the Minister in charge of Education. The Director controls the inspecting staff and the teaching staff of the Government Institutions. In some States (Coorg, Kutch, Bilaspur) the functions of Director are discharged by the Educational Officer, in others (Bhopal, Manipur, Tripura) by the Education Secretary.

The authority of Government in controlling the system of public instruction is in part shared with and in part delegated to Universities, and Boards of Secondary and Intermediate Education as regards secondary education and to local bodies as regards elementary education in some States.

Certain forms of Technical Education are under the technical departments concerned and come within the purview of the Minister in Charge of those Departments.

Institutions under private management are controlled by Government and by local bodies by "recognition" and by the payment of grants-in-aid, with the assistance of the inspecting staffs employed by Government and by local bodies.

The following States have Boards of Intermediate Education and Secondary Education: Ajmer, Vindhya Pradesh, Bhopal (same Board for all three), Uttar Pradesh, Madhya Bharat.

The following States have Boards of Secondary Education: Bihar, Bombay, Madhya Pradesh, Madras, Uttar Pradesh, West Bengal, Hyderabad, Madhya Bharat, Delhi, Ajmer, Vindhya Pradesh, Bhopal (same Board for last four).

UNIVERSITIES

The Central Universities are four: Aligarh, Banaras, Visva Bharati and Delhi.

There were in all 30 universities in India in 1953 December. The names of the universities with the names of the Vice-Chancellors are given below:—

1. *Agra University*.—Lt.-Col. C. V. Mahajan, M.A.
2. *Aligarh University*.—Dr. Zakir Hussain Khan, M.A., Ph.D.
3. *Allahabad University*.—Dr. A. C. Banerjee, M.A., M.Sc., F.E.S.
4. *Andhra University*.—Dr. V. S. Krishna, B.A. (Oxon.), Ph.D. (Vienna).
5. *Annamalai University*.—C. P. Ramaswamy Iyer, B.A., B.L.
6. *Banaras University*.—Acharya Narendra Deva, M.A., D.Litt., LL.B.
7. *Baroda University*.—Mrs. Hansa Ben Mehta.
8. *Bihar University*.—Lt.-Col. Shyamnandan Sahay, B.A., M.P.
9. *Bombay University*.—N. J. Wadia, B.A. (Bon.), B.A. (Cantab.).
10. *Calcutta University*.—S. N. Banerjee, M.Sc., LL.B., Bar-at-Law.
11. *Delhi University*.—Dr. G. S. Mahajan, M.A., Ph.D.
12. *Gauhati University*.—K. K. Handiqui, M.A. (Calcutta & Oxon.).
13. *Gujarat University*.—H. V. Divatia.
14. *Jammu & Kashmir University*.—Janki Nath Wazir, B.A., LL.B., Bar-at-Law.
15. *Karnatak University*.—C. C. Hukoti, B.A., LL.B.
16. *Lucknow University*.—Acharya Jugad Kishore.
17. *Madras University*.—Lt.-Col. Diwan Bahadur Sir A. Lakshmanaswami Mudaliar, M.D., LL.D., D.Sc., F.R.C.O.G.

18. *Mysore University*.—Dr. B. L. Manjunath, B.A., M.Sc. (Lond.), D. Phil. (Oxon.).
19. *Nagpur University*.—Lt.-Col. Pandit K. L. Dubey, B.A., LL.B., M.L.A.
20. *Omanias University*.—Dr. S. Bhagwantam, M.Sc. (Hons.), D.Sc., F.I.A.Sc.
21. *Patna University*.—Basudeva Narayana, M.Sc., M.D. (Cal.), Ph.D. (Edin), F.R.S. (Edin).
22. *Poona University*.—Dr. M. R. Jaykar, P.O., M.A., D.C.L., LL.D.
23. *Punjab University*.—Dewan Anand Kumar, M.Sc., M.A. (Cantab.), Bar-at-Law.
24. *Rajputana University*.—G. C. Chatterjee, M.A. (Punjab), B.A. (Cantab.).
25. *Roorkee University*.—Vacant.
26. *Sagar University*.—Dr. R. P. Tripathi, M.A., D.Sc. (Lond.).
27. *S. N. D. T. Indian Women's University*.—K. M. Jhaveri, M.A., LL.B., J.F.
28. *Travancore University*.—Sir A. Ramaswamy Mudaliar, B.A., B.L.
29. *Utkal University*.—Lt.-Col. Dr. P. Misra, M.Sc., Ph.D. (Leeds).
30. *Visva-Bharati University*.—Rathindar Nath Tagore, B.Sc. (Illinois).

BASIC FACTS

The basic facts may be summarized as follows: The latest year for which figures are available is 1950-51. (For details see tables.)

Total no. of institutions, 2,90,458; no. of universities, 30; research institutions, 20; Boards of Secondary Education, 7; arts and science colleges, 604; professional colleges, 213; special education colleges, 99; secondary schools, 20,981; primary schools, 210,112; pre-primary schools, 305; vocational and technical schools, 2,162; special education schools, 47,542; unrecognized institutions, 8,485.

Total enrollment, 25,826,365: in universities, 29,520; in research institutions, 776; in arts and science colleges, 304,324; in professional colleges, 54,718; in special education colleges, 7,598; in secondary schools, 5,225,454; in primary schools, 18,352,389; in pre-primary schools, 25,144; in vocational and technical schools, 164,904; in special education schools, 1,255,208; in unrecognized institutions, 406,338.

Total expenditure Rs. in crores, 113.43; direct expenditure, 90.71; indirect expenditure, 22.72.

General policy may be summarized as follows: Provision of universal, compulsory education for all children aged 6-11 within a period of 10 years: the estimated expenditure during the first half of the period is Rs. 220 crores.

The system of education is what is called the Basic Education system, centred on the teaching of a craft.

Secondary education was the subject of an enquiry by a Commission and the report was published in August 1953.

The key reports and resolutions on which primary and secondary education systems are planned are:

Resolution of the Central Advisory Board of Education, 1935, Dec.; Wood-Abbot Report; Zakir Hussain Committee Report (Wardha Scheme or Basic Education Scheme); Reports of the Central Advisory Board (14): (1) Kher Committee Reports on Basic Education; (2) Adult Education; (3) The Physical Welfare of School-children; (4) School Buildings; (5) Social Service; (6) The Recruitment, Training and Conditions of Service of Teachers in Primary, Middle and High Schools; (7) The Recruitment of Education Officers; (8) Technical (including Commercial and Art) Education; (9) Text-books; (10) Examinations; (11) Educational Administration; (12) Agricultural Education; (13) Religious Education; (14) Selection of Pupils for Higher Education and lastly Report on Post-war Educational Development in India (Sargent Report).

University education has had a report published on it (see University Commission Report, 1949). There is now a University Grants Commission.

Literacy campaign is now called Social Education. In 1950-51, about 540,000 adults were made literate.

In technical education the latest development is the setting up of an Indian Institute of Technology at Kharagpur.

For 1952-53 India received 409 foreign scholarships or fellowships.

FIVE-YEAR PLAN

The Planning Commission has made the following allotments for education:

	Rs.
Total for the five-year period	155.66 crores
Administration	75.7 lakhs
Primary Education	8702.8 "
Secondary Education	830.4 "
University Education	1172.1 "
Technical and Vocational	2145.4 "
Social Education	1510.0 "
Other Schemes	684.1 "
Total expenditure by Central Ministry for five-year period	39.02 crores
Expenditure, 1953-56	33.30 "
Total for university education	2.92 "
Total for scientific and technical	11.10 "
Total for Social Welfare	4 "
Total for Youth Camps and Labour Service	1 "
Total for pre-university education	20.00 "
Total expenditure for five-year period for States	116.65 "

The schemes envisaged in the Central Government programme are as follows:—

1. Complete units of Basic Education (pre-Basic to post-graduate Basic Training College) at least one unit in each State. 2. Janata colleges for social education, at least one in each State. At least one school-cum-community centre in each State. 3. At least one multi-lateral secondary school in each State. Occupational schools for young people between the ages 14-18. Research bureaux for study of problems of secondary education. Merit scholarships to poor students for public schools. 4. Production of audio-visual aids to be encouraged by establishment of unit at Central Institute for Education, and by assistance to firms and publishers. 5. Production of model literature for children, Basic Education, Social Education. 6. Development of Indian and Federal languages. Production of original work and translation. Production of reference books, dictionaries, and encyclopaedias. 7. Pilot centres for juvenile delinquents and defectives. 8. Provision of vocational guidance and organizing selective tests. 9. Development of the Indian Institute of Science, Bangalore and of 14 engineering institutions; facilities for study of special subjects (printing technology, silk technology, wool technology, architecture, town planning). 10. Help for libraries in universities (Rs. 20 lakhs), and research training scholarship scheme (Rs. 45 lakhs).

Schemes envisaged in the States programmes are as follows:

1. Primary Education: opening of new primary schools; improvement of existing ones; conversion of primary into basic schools; opening of new basic schools. 2. Secondary Education: opening new secondary schools; improving existing ones; new subjects in the curriculum (physical education, military training, gardening and agriculture, music, crafts); maintenance of model schools. 3. University Education: new universities and colleges; improvement of present ones. 4. Social Education: libraries; physical education; youth activities; audiovisual education; literacy and adult education centres. 5. Technical and vocational Education: New craft schools; converting craft schools into junior Technical High Schools; Junior Polytechnics; conversion of secondary schools into Technical High Schools; diploma courses; industrial schools; agricultural bias schools; upgrading of commercial and technical schools into colleges; stipends for studies abroad. 6. Further education of ex-service personnel; development of regional languages and literature; education of handicapped; National Cadet Corps in colleges; improvement of special fields, such as oriental education, statistics.

PROGRESS, 1951-56

The targets to be reached at the end of the Five-Year Plan are given by the following table :

YEAR.	PRIMARY (ordinary).						JUNIOR BASIC.						SECONDARY.					
	No. of institutions.		Pupils.		Teachers.		No. of institutions.		Pupils.		Teachers.		No. of institutions.		Pupils.		Teachers.	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1950-51	172,779	15,110,316	30	386,169	63	35,002	2,900,322	8	77,013	55 0	16,387	4,387,657	19	163,575	56	163,575	56	163,575
1955-56	202,141	18,788,750	32	460,324	66	42,833	5,276,278	13	111,983	70 3	19,262	5,779,395	16	206,856	62	206,856	62	206,856
Percentage increase in 1955-56 over 1950-51	17	25	2	..	3	22	81	5	45	15	18	32	3	26	6	26	6	26

YEAR.	TECHNICAL AND VOCATIONAL (excl. industrial schools).						INDUSTRIAL SCHOOLS.						TRAINING OF TEACHERS.					
	No. of institutions.		No. of trained during the year.		No. of institutions.		No. of institutions.		No. of trained during the year.		No. of institutions.		No. of Primary trained.		No. of Secondary trained.		No. of Basic trained.	
	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)
1950-51	280	28,702	365	14,750	27,927	9,516	365	14,750	27,927	9,516	365	14,750	27,927	9,516	365	14,750	27,927	9,516
1955-56	407	43,603	456	21,797	32,212	14,045	456	21,797	32,212	14,045	456	21,797	32,212	14,045	456	21,797	32,212	14,045
Percentage increase in 1955-56 over 1950-51.	57	63	25	48	15	54	25	48	15	54	25	48	15	54	25	48	15	54

Note :- Figures for Hyderabad, Kashmir, Rajasthan, Almer and Vindhya Pradesh are not included unless otherwise specifically stated in any of the figures. Other States excluded are mentioned under various heads.

- (1) Figures for U.P. are not included.
- (2) Figures for U.P. are not included.
- (3) Figures for Madhya Pradesh, Uttar Pradesh and Mysore are not included.
- (4) Figures for Madhya Pradesh, Uttar Pradesh and West Bengal are not included.
- (5) Figures for Madhya Pradesh, Uttar Pradesh and West Bengal are not included.
- (6) Figures for Madhya Pradesh, Travancore-Cochin and Coorg are not included and those for Rajasthan are included.
- (7) Figures for Madhya Pradesh and Coorg are not included.
- (8) Figures for Madhya Pradesh, Madras, Madhya Bharat, Mysore, Saurashtra, Travancore-Cochin, Bhopal, Coorg, Himachal Pradesh, Kutch and Tripura are not included.
- (9) Figures for Madhya Pradesh and Coorg are not included.
- (10) Figures for Madhya Pradesh and Coorg are not included.
- (11) Figures for Rajasthan included.
- (12) Figures for Madhya Pradesh, Mysore and Manipur are not included.
- (13) Figures for Madhya Pradesh are not included.
- (14) Figures for Madhya Pradesh are not included.
- (15) Figures for Orissa, Pepsu, Himachal Pradesh, Coorg, Manipur and Tripura are not included. Figures for Hyderabad are included.
- (16) Figures for Orissa, Pepsu, Coorg, Manipur and Tripura are not included. Those for Hyderabad are included.
- (17) Figures for Bihar, Saurashtra and Part 'C' States are not included. Those for Rajasthan and Hyderabad are included.
- (18) Figures for Bihar, Saurashtra and Part 'C' States are not included. Those for Hyderabad are included.
- (19) Figures for Travancore-Cochin, Bhopal, Coorg and Tripura are not included.
- (20) Figures for Coorg, Delhi, Kutch and Tripura are not included.
- (21) Figures for Uttar Pradesh, Travancore-Cochin, Coorg, Kutch, Manipur and Tripura are not included.

1953-54 ALLOTMENTS

For Five-Year Plan—Rs. 2 crores.
 Scholarships for Scheduled Castes, Tribes and Backward classes—Rs. 30 lakhs.
 All India Council for Technical Education—Rs. 1,05,000.
 Post-Institutional Practical Training—Rs. 9 lakhs.
 Research training scholarships—Rs. 8 lakhs.
 Grants to Universities for development of scientific and technical education—Rs. 88 lakhs.
 Strengthening Engineering and Technological Institutions—Rs. 44-20 lakhs.
 Indian Institute of Science—Rs. 31-35 lakhs.
 Cultural Relations with foreign countries—Rs. 2 lakhs.
 Cultural Relations at Instance of External Affairs Department—Rs. 4-96 lakhs.
 Basic and Social Education—Rs. 2 crores.
 Secondary Education Commission—Rs. 40,000.
 Experimental Education and Cultural Activities—Rs. 2-5 lakhs.
 Grant-in-Aid to Public Schools—Rs. 2 lakhs.
 Constituent Colleges of Delhi University—Rs. 13 lakhs.
 Physical Education and Youth Welfare—Rs. 5 lakhs.
 Sangeet Nataka Akadami—Rs. 2-5 lakhs.
 Sahitya Akadami—Rs. 1-5 lakhs.
 Academy of Arts—Rs. 1 lakh.
 National Art Gallery—Rs. 1-25 lakhs.
 Academy of Hindustani Music—Rs. 50,000.
 Academy of Karnatak Music—Rs. 40,000.
 Training Centre for the Adult Blind, Dehra Dun—Rs. 2-65 lakhs.
 Benares Hindu University—Rs. 23-20 lakhs.
 Aligarh Muslim University—Rs. 12-50 lakhs.
 Delhi University—Rs. 11-60 lakhs.
 Visva Bharati University—Rs. 4-5 lakhs.
 Special Development Grants to Central Universities—Rs. 20-03 lakhs.
 Five Year Development Plan of Universities—Rs. 25 lakhs.
 University Grants Commission—Rs. 1 lakh.
 Agra University Silver Jubilee—Rs. 2 lakhs.
 Indian Women's University—Rs. 75,000.

Jamia Millia Islamia—Rs. 2-08 lakhs.
 Propagation of Hindi—Rs. 2-5 lakhs.
 Overseas Scholarships Scheme—Rs. 2,60,525.
 Indo-German Industrial Co-operative Scheme—Rs. 3,81,300.
 Scholarships to Scheduled Castes, Tribes, etc. for post-matric education—Rs. 40 lakhs.
 Scholarships to students from Asia—Rs. 4-5 lakhs. (100 scholarships.)
 U.N. Fellowships and Scholarships Programme—Rs. 1-5 lakhs.
 Indian Council of Cultural Co-operation—Rs. 3 lakhs.
 UNESCO—Rs. 17 lakhs.
 Model School for Blind Children, Dehra Dun—Rs. 1 lakh.
 Buildings for Indian Institute of Technology—Rs. 49-84 lakhs.

ASSOCIATED BODIES

CENTRAL ADVISORY BOARD OF EDUCATION

Maulana Abul Kalam Azad (*Chairman*); S. S. Bhatnagar; N. K. Sidhanta; Smt. Hansa Mehta; Dr. M. S. Thacker; Dr. Zakir Hussain; Smt. Hannah Sen; Mrs. Zarina Currimbhoy; Dr. Mata Prasad; Major General E. Habibullah; E. W. Aryanayakam; Smt. Ammu Swaminadhan; Mr. Justice Teja Singh; Dr. H. J. Bhabha; Dr. Amaranatha Jha; Pandit Sundar Lal; K. Zachariah; Shrimati Mona Hensman, M.P.; Ram Chandra Gupta, M.P.; T. Madiah Gowda, M.P.; Venkatesh Narain Tiwary, M.P.; Dr. A. L. Mudaliar; Dr. S. R. Sen Gupta; Dr. P. S. Deshmukh, M.P.; Dr. B. P. Pal; Education Ministers of Ajmer, Assam, Bihar, Bhopal, Bombay, Delhi, Himachal Pradesh, Hyderabad, Jammu & Kashmir, Madhya Bharat, Madhya Pradesh, Madras, Mysore, Orissa, Punjab, Rajasthan, Saurashtra, Travancore-Cochin, Uttar Pradesh, Vindhya Pradesh, West Bengal, Coorg. K. G. Salyidain (*Secretary*).

PANEL ON EDUCATION

Smt. Hannah Sen; Mrs. Zarina Currimbhoy; Dr. Amarnath Jha; Dr. Zakir Hussain; Dr. P. S. Deshmukh, M.P.; J. C. Mathur; D. C. Pavate; Dr. V. S. Jha; K. N. Unnithan; C. L. Kapur; E. W. Aryanayakam; Smt. Indumati Chinnai; Humayun Kabir; K. G. Salyidain.

INDIAN NATIONAL COMMISSION

For implementing UNESCO programmes in India. It has three sub-Commissions: Education and Social Sciences Sub-Commission, Science Sub-Commission, Culture and Mass Communication Sub-Commission.

INDIAN COUNCIL OF CULTURAL RELATIONS

For promoting cultural relations with foreign countries.

ALL INDIA COUNCIL OF TECHNICAL EDUCATION

Of the following bodies only the first was formally set up at the time of writing (Oct. 1953).

SANGEET NATAKA AKADAMI

9, Queensway Lane, New Delhi.

Secretary: Nirnala Joshi.

AKADAMI

ACADEMY OF ARTS

ACADEMY OF HINDUSTANI MUSIC

ACADEMY OF KARNATAK MUSIC

The following institutions are conducted under the direct auspices of the Ministry of Education:

Central Secretariat Library, Central Educational Library, Indian Museum (Calcutta), National Museum (New Delhi), Film Library, Central Institute of Education, Delhi Polytechnic, Indian Institute of Technology (Kharagpur), National Library (Calcutta), Training Centre for the Adult Blind (Dehra Dun), Central Braille Printing Press (Dehra Dun).

Some publications of the Ministry: *The Educational Quarterly* (periodical), *The Central Bureau of Education, Teachers' Handbook of Social Education, Writing Books for Adults, Education of Girls and Women in India, A Review of Education in India, 1951-52*

UNIVERSITY GRANTS COMMISSION

A six-man Interim Commission has been set up:

Dr. S. S. Bhatnagar (*Chairman*); Dr. A. Lakshmanaswamy Mudaliar; Mr. N. J. Wadia; Acharya Narendra Deva; A representative of Finance Ministry (K. R. K. Menon); A representative of Education Ministry (K. G. Salyidain).

UNIVERSITY COMMISSION REPORT

The Indian University Education Commission was appointed by a resolution of the Government of India dated 4th November 1948. It started on its work in December 1948 and presented its report in August 1949.

The following were the members of the Commission: Dr. S. Radhakrishnan (*Chairman*); Dr. Tara Chand; Sir James Duff (*Vice-Chancellor, Durham University*); Dr. Zakir Hussain; Dr. Arthur E. Morgan (*Former President, Antioch College, U.S.A.*); Dr. A. Lakshmanaswami Mudaliar; Dr. Meghnad Saha; Dr. K. Narayan Bahl; Dr. John J. Tigert (*formerly Commissioner of Education, U.S.A.*); Nirnala Kumar Sidhanta (*Secretary*).

The report is signed by all the members. In general, the Commission is opposed to the multiplication of Universities on a regional basis; it favours the establishment of rural universities; it recommends the setting up of a University Grants Commission. It emphasizes the importance

of religious instruction and recommends the use of the regional language as the medium of instruction at the University stage except at the Central Universities like Benares and Delhi where the medium of instruction should be the Federal language.

The following are among the more important recommendations in detail:

There should be four classes of teachers: Professors, Readers, Lecturers and Instructors. The scales of salaries for University teachers should be:—

Professors	Rs. 900-50-1,350
Readers	600-30-900
Lecturers	300-25-600
Instructors or Fellows	250
Research Fellows	250-25-500

The scales of salaries for affiliated colleges with no Post-graduate classes should be:—

Lecturers	Rs. 200-15-320-20-400
Senior posts	400-25-600 (two in each college)
Principals	600-40-800

For colleges which have Post-graduate classes, the grades should be:—

Lecturers	Rs. 200-15-320-20-400-25-500
Senior posts	500-25-800 (two in each college)
Principals	800-40-1,000.

The standard of admission to the university courses should correspond to that of the present intermediate examination, i.e. after the completion of 12 years of study at a school and an intermediate college.

In each State a large number of well equipped and well-staffed intermediate colleges (with classes IX to XII or VI to XII) should be established.

To avoid overcrowding at universities and colleges, the maximum number in the Arts and Science faculties of a teaching university should be fixed at 3,000 and in an affiliated college at 1,500.

The number of working days should be substantially increased to ensure a minimum of 180 in the year, exclusive of examination days : with three terms, each of about 11 weeks' duration.

All educational institutions should start work with a few minutes for silent meditation.

In the first year of the Degree course lives of the great religious leaders like Gautama the Buddha, Confucius, Zoroaster, Socrates, Jesus, Sankara, Ramanuja, Madhava, Mohammad, Kabir, Nanak, Gandhi should be taught. In the second year some selections of a universalist character from the scriptures of the world should be studied. In the third year, the central problems of the philosophy of religion should be considered.

MEDIUM OF INSTRUCTION

International technical and scientific terminology should be adopted, the borrowed words properly assimilated, their pronunciation adapted to the phonetic system of the Indian language and their spelling fixed in accordance with the sound symbols of Indian scripts.

Pupils at the Higher Secondary and University stages should be made conversant with three languages, the Regional language, the Federal language and English (the last one in order to acquire the ability to read books in English).

Higher education should be imparted through the instrumentality of the regional language with the option to use the Federal language.

For the Federal language one script, Devanagari should be employed and some of its defects removed. A Board consisting of scientists and linguists should be appointed to prepare a scientific vocabulary of words which will be common to all Indian languages and also to arrange for the preparation of books in different sciences to be rendered into all Indian languages.

Provincial Governments should be required to take steps to introduce the teaching of the Federal language in all classes of Higher Secondary Schools, in Degree Colleges, and in Universities.

English should be studied in High Schools and in the Universities in order that Indians may keep in touch with the living stream of evergrowing knowledge.

EXAMINATIONS

A battery of psychological and achievement tests should be developed for use with higher secondary school students for the final test at the end of twelve years of schooling. This will, together with other relevant information, serve the purpose of an admission examination to the first degree course at the university. The American Council on Education Co-operative Psychological and General Achievement Tests would serve as a model from which to build a satisfactory basis of selection of Indian students.

A set of objective progress tests for guidance and for evaluating class-room progress should also be developed immediately.

For purposes of admission to college and university, the tests should be accompanied with much additional information and interviews with students when conditions make this possible.

A university degree should not be required for Government administrative services. Special state examinations for recruitment to the various services should be organised and should be open to whosoever cares to take them.

Credit should be given for classwork. It will be conducive to efficiency both in teaching and learning.

One-third of the marks allotted to each subject should be reserved for work done during the course of instruction and that this should be adopted forthwith at the teaching universities for the B.A. and B.Sc., M.A. and M.Sc. examinations. The affiliating universities should also take immediate steps to evolve a method of more or less uniform marking for this internal award at the affiliated colleges.

A candidate should get 70 per cent or more marks to secure a first class, 55 to 69 per cent for a second, and at least 40 per cent for a third. The students should be arranged in alphabetical order in each of the three classes.

Viva Voce examinations should be employed only for post-graduate and professional degrees.

PHYSICAL EDUCATION

All students, both men and women, should be required to take, at no cost to themselves, a thorough physical examination at admission and periodically thereafter, at least once a year.

All universities, with or without medical colleges, must have hospitals and dispensaries for student service.

A nutritious meal should be furnished at noon at reasonable cost.

All students should be required to be vaccinated against smallpox, and inoculated against cholera, typhoid and plague.

A post-graduate degree course leading to a doctorate should be set up at one university in each State where Directors of Physical Education may be trained.

Each university and college remote from a university centre should have a Director of Physical Education with the status, pay and training comparable to heads of other departments.

Two years of physical education should be required for all students, men and women, except those who are physically unfit or who are in the National Cadet Corps.

The Centre should take over from the States the responsibility for the administration of the National Cadet Corps.

There should be manoeuvres in the summer in which Army and Air Units work together. Naval Units should take cruises in the summer.

CONSTITUTION

University education should be placed on the concurrent list.

The concern of the Central Government with the universities should be with regard to finance and the co-ordination of facilities in special subjects.

For allocating grants to universities a Central Grants Commission should be established. There should be no university of the purely affiliating type. Government colleges should be gradually transformed into constituent colleges of the university.

The number of colleges affiliated to a university should be limited.

The aim of an affiliated college should be to develop into a unitary university and later into a federative one.

The Vice-Chancellor should be a whole-time officer.

A Grants Allocation Committee should be constituted for States with universities of the teaching and affiliating type.

The State should recognise its responsibility for the financing of higher education.

The aid to private colleges should be for buildings and equipment as also for the recurring expenditure, the latter to be on a uniform basis, say half of the present teachers' salaries and a third of other approved expenditure.

The Government should contribute an additional annual amount of about ten crores for the development of university education during the next quinquennium.

The All-India character of the Banares and Delhi Universities should be maintained in all Colleges.

As a Central University Delhi should offer facilities for work to students from all over India.

The medium of instruction in the Banares and Delhi Universities should be the Federal language and that during the six years which will elapse before students from other areas can master the Federal language, instruction should be given both in the Federal language and in English.

In regard to co-education, the Commission's recommendation is that in the secondary stages there should be separation and in the basic and collegiate stages co-education.

The Commission has also recommended that where the mother tongue is not the same as the Federal language, the Federal language is to be studied from the first form. If the mother tongue and the Federal language are identical, students would be required to take any other Indian classical or modern language. If Hindi happens to be the mother-tongue of a student, the student would be required to study some other Indian language.

There must be no attempt at hasty displacement of English as a medium of instruction for academic standards. Indian languages have to grow and must become proper media for communication. To displace English by a State or the Federal language may result in deterioration of standards. Therefore, while State Governments should make their languages more potent as early as possible no time-limit should be prescribed. Languages will have to grow and there cannot be a time-limit. During the transition English will remain.

The Commission is of the opinion that English should be taught from the third form (three years before matric) for those who desire to enter the University.

In the inter-State border areas where the regional language may be different from that of the mother tongue of a student the medium of instruction must be the mother-tongue up to a particular stage and students would be asked to study the Federal language as well.

SECONDARY EDUCATION COMMISSION

This Commission was appointed by a Government of India resolution dated Sept. 23, 1952 and started its work on Oct. 6, 1952. It presented the report on Aug. 29, 1953.

The Commission consisted of the following: Dr. A. Lakshmanaswami Mudaliar (Chairman), Principal John Christie (of Jesus College, Oxford), Dr. Kenneth Rast Williams (Associate Director, Southern Regional Education Board, Atlanta, U.S.A.), Mrs. Hansa Mehta (Vice-Chancellor, Baroda University), J. A. Taraporevala (Director of Technical Education, Government of Bombay), Dr. K. L. Shrimall (Principal, Vidya Bhavan Teachers' Training College, Udaipur), M. T. Vyas (Principal, New Era School, Bombay), K. G. Salydain (Jt. Secy. to the Government of India, Ministry of Education), Principal A. N. Basu (Central Institute of Education, Delhi; member-secretary).

In individual States the Government selected a person, who was co-opted as a member during the Commission's work in that State.

RECOMMENDATIONS

The secondary stage should comprise a period of seven years. The second half should be a higher secondary stage of four years' duration with the first year of the Intermediate included in it.

Multi-purpose schools should be established wherever possible. There should be special facilities for agricultural education in rural schools. Technical schools should be started in large numbers near enough to industries.

Public schools should continue to exist and after the next five years should be self-supporting. There should be some free studentships given by Government in these schools.

The mother-tongue or the regional language should generally be the medium of instruction throughout the secondary stage subject to the provision that for linguistic minorities special facilities should be made available.

During the middle school stage every child should be taught at least two languages. English and Hindi should be introduced at the end of the junior basic stage subject to the principle that no two languages should be introduced in the same year. At the higher secondary stage at least two languages should be studied, one of these being the mother-tongue or the regional language.

At the middle school the curriculum should include: languages, social studies, general science, mathematics, art and music, craft, physical education.

At the higher secondary stage there should be diversified courses but with a common core: languages, general science, social studies, craft. The diversified courses should include: humanities, sciences, technical subjects, commercial subjects, agricultural subjects, fine arts and home sciences. The diversified curriculum should begin in the second year of the higher stage.

An independent Text-Book Committee should be constituted. This Committee should lay down criteria for the type of paper, illustration, printing and format of the book.

Single text-books should not be prescribed for any subject but a reasonable number leaving the choice to the schools. In the case of languages, however, definite text-books should be prescribed. Frequent changes in text-books should be discouraged.

The Activity Method and Project Method should be assimilated in school practice.

All public libraries should have a special section for children and adolescents.

To promote discipline there should be personal contact between teachers and pupil; self-government in the form of house system and student-councils which will draw up a code of conduct and enforce it should be introduced in all schools.

Religious instruction may be given only on a voluntary basis outside the regular school hours. It should be confined to the children of the particular faith and given with the consent of the parents and the management.

Every teacher should devote some time to extra-curricular activities.

The N.C.C. should be brought under the Central Government. Training in First Aid, St. John's Ambulance and Junior Red Cross work should be encouraged.

The services of Guidance Officers and Career Masters should be made available.

A properly organized school medical service should be built up.

The school should assist in the maintenance of the sanitation of the area.

All teachers below the age of 40 should participate in the physical activities of the students.

The number of external examinations should be reduced, and the element of subjectivity in the essay-type tests should be minimized by introducing objective tests and by changing the type of question.

In the final assessment of the pupils due credit should be given to the internal tests and the school records of the pupils.

The system of symbolic rather than numerical marking should be adopted.

There should be only one public examination at the completion of the secondary school course.

The certificate should contain besides the result of the public examination, the results of the school tests in subjects not included in the public examination as well as the gist of the school records.

The system of compartmental examinations should be introduced at the final public examination.

ORGANIZATION

There should be Selection Committees for recruiting staff. The probation for a trained teacher should be one year. Teachers in high schools should be graduates with a degree in education.

The system of triple benefit schemes pension-cum provident fund-cum insurance should be introduced for teachers. Arbitration Boards or Committees should be established to consider the grievances or of matters relating to suspension, dismissal, etc. The age of retirement may extend to 60 with the approval of the Director of Education.

The children of teachers should have free education. The teachers should be given free medical attention and treatment. The practice of private tuition by teachers should be abolished.

There should be only two types of training institutions, for holders of B.S.C. (two years) and for graduates (one year to start with, later for two years). The first type should be under the control of a Board and the second attached to a university.

At these institutions teachers should be trained in at least one extra-curricular activity. The training college should conduct research in various aspects of pedagogy.

No fees should be charged in training schools. The student teachers should be given a stipend. The teachers already in service should get the same salary as they were getting.

To meet the shortage of women teachers special part-time training course should be provided.

There should be a Board of Secondary Education in every State with the Director as Chairman to lay down general policies. A Sub-Committee of the Board should deal with the conduct of examinations. There should be State Advisory Bodies on the model of the Central Advisory Board to advise the Department of Education.

Special Inspectors should be appointed to inspect the teaching of special subjects like Domestic Science, Art, Music.

In order to evaluate the academic side of the activities of a school there should be a panel of experts with the Inspector to go round.

The Managing Boards of schools should be registered. The head-master should be an ex-officio member. Every management should draw up definite rules of service for teachers.

For proper running every management should be required to provide an endowment, and the income accruing from this should be shown among the receipts. The scales of fees fixed should be approved by the Department of Education. All accounts of the school should be subject to audit by the Department.

The number of sections in each class should be limited, and before any increase in the number is made the prior approval of the Department should be obtained.

There should be rules to prevent undue competition among schools.

Managements should obtain the prior approval of the Department before opening a school.

In designing buildings there should be allowed an area of not less than 10 sq. ft. per student in the class rooms. The optimum number of boys in a class should be 30, and the number should not in any case exceed 40. The optimum number in the whole school should be 500, while the maximum should not exceed 750.

Co-operative stores should be established in all schools so that books, stationery, etc. may be made available to students at cost price.

As a rule the total number of working days should not be less than 200, the working hours per week should be at least 35 periods of about 45 minutes each. The school should work regularly for six days in the week, one of the days being a half day on which students and teachers meet informally and work on various extra-curricular and social projects.

School holidays need not be identical with public holidays. Normally during the year there should be a summer vacation of two months, and two breaks of ten to fifteen days at suitable periods during the year.

A Board of Vocational Education should be constituted at the Centre.

A cess called industrial education cess should be levied to promote vocational education. A certain proportion of the net revenue of certain nationalized industries (railways, e.g.) should be set aside for the same purpose. Surplus funds from religious and charitable endowments should be diverted to educational purposes.

The Centre should assume a certain amount of direct responsibility for the contemplated reorganization and give financial aid.

ALL-INDIA COUNCIL FOR TECHNICAL EDUCATION

THE All-India Council for Technical Education was constituted in 1946 with representatives of the various interests connected with technical education and training, to advise the Government on the development of technical education above the high school stage with the late Nalini Ranjan Sarker as the Chairman.

The Council does not, however, have any executive, administrative or controlling power.

By sending out questionnaires to various institutions, Universities and State Governments, the Council first made an exhaustive survey of technical education facilities in the country.

The result of this survey was published in the form of a hand-book, which is now under revision.

While the post-war plans formulated by the various State Governments specially devoted themselves to the development of Government institutions, the Council took up the question of improving and strengthening non-Government institutions as well. Thus the Co-ordinating Committee of the Council at its very first meeting appointed Visiting Committees to visit 15 selected institutions throughout the country and report on the lines along which improvement and development were necessary.

The scheme, known as the All-India Council for Technical Education Scheme for strengthening and improvement of existing non-Government institutions, has resulted in the raising of standards in those institutions, apart from providing additional equipment and facilities for an increased number of students.

The Scheme was approved by the Government and put into operation in 1947-48.

The following aggregate expenditure were approved for this purpose :

1. Non-recurring grants for construction of buildings	Rs. 54.96 Lakhs.
2. Non-recurring grants for purchase of equipment	Rs. 107.26 Lakhs.
Total	Rs. 162.22 Lakhs.
3. Ultimate recurring grants	Rs. 25.45 Lakhs.
4. Interest-free loan grants	Rs. 37.67 Lakhs.
Grand Total	Rs. 225.34 Lakhs.

The building programme under the Scheme is almost complete, and a substantial part of the equipment programme has also been gone through.

The Planning Commission has made a provision of Rs. 3.55 crores for carrying out an all-round development of technical education and research in the country in the following courses :

1. Post-graduate courses. Advanced work and research.
2. Under-graduate courses (Degree and Diploma) full time :
 - (a) Basic engineering and technological subjects.
 - (b) Special subjects—Printing technology, Silk technology, Woollen Textile technology, etc.
 - (c) Architecture and Town Planning.

3. Part-time courses.
4. Teachers' Training.
5. Loans for construction of Hostels.

The Barker Committee appointed to consider the development of higher technical institutions in India suggested the establishment of four Higher Technical Institutions on Regional Basis. The All-India Council for Technical Education recommended that two of these should be set up during the quinquennium 1946-51, but there was some delay in implementation.

However the first institution, viz. the Eastern Higher Technical Institute designated the Indian Institute of Technology, Kharagpur was formally declared open by the Central Minister for Education in August 1950. The foundation stone of the main college building was laid in March 1952 by the Prime Minister.

The Council appointed a Technical Man-power Committee in 1951 under the Chairmanship of Mr. G. L. Mehta to assess the country's requirements for technical man-power over the next five years.

The Council has also given a lead on the question of salary scales for teachers of various grades in the technological institutions.

At the first meeting of the Council it was decided to set up four Regional Committees, one for each region—the Eastern, the Western, the Southern and the Northern.

Government has already set up two offices, one in Calcutta and the other in Bombay with Regional Officers to do the preliminary work in regard to the setting up of Committees in the Eastern and the Western Regions.

The Regional Committees have been formed and are charged with the function of examining the question of improvement of the existing under-graduate institutions in consultation with the State Governments and preparing a plan about how the required development could be brought about.

The Regional Committees are also to foster close liaison between technical institutions and the industry to their mutual advantage.

The Council hopes to secure paid, well-supervised practical training facilities for a majority of graduates and diplomates in engineering and technology.

As regards the laying down of standards, the Council at its first meeting held in 1946, constituted six Boards of Studies in Engineering and Metallurgy, Chemical Engineering and Chemical Technology, Textile Technology, Architecture, Applied Arts, Commerce and Business Administration.

To these Boards were assigned the task of examining the existing regulations and syllabuses for technical training and to draw up all-India schemes for the award of diplomas and certificates by the Council. Directives were also given to the Board by the Council regarding the standards for the national diploma and the national certificate courses and also generally with regard to the nature of the courses.

At the instance of the Council, a Joint Committee of the Inter-University Board and the Council has been set up to review the standards of education in the Universities and this Committee, after taking into account the courses drawn-up by the Boards of Studies of the Council as also by the various Universities, has formulated a scheme of training in engineering and technology.

According to the scheme formulated by the Co-ordinating Committee, the All-India Council has a number of responsibilities such as the co-ordination and ensuring of standards in various technical institutions, recognition of technical institutions, conducting or recognising examinations for the purpose of conferment of awards, making arrangements for teaching of technical and allied subjects and for research in these subjects.

MEMBERS

Chairman, Maulana Abul Kalam Azad, Minister for Education.

Secretary, G. K. Chandramani, Dy. Educational Adviser.

Representatives of Govt. of India.

Dr. S. S. Bhatnagar (Ministry of Education); Brigadier Reeve (Ministry of Defence); E. U. Damodaran (Ministry of Labour); Dr. H. J. Bhabha (Ministry of Natural Resources and Scientific Research); V. T. Krishnamachari (Planning Commission); S. Boothalingam (Ministry of Commerce and Industry); Representative of the Ministry of Finance

House of People.

C. P. Mathew; Shyamanandan Sahaya.

Council of States.

Osman Sabhani.

Nominees of Govt. of India.

Dr S. R. Sen Gupta; Fazal I. Rahimtoola.

State Governments [A].

O. K. Das (Government of Assam); D. L. Deshpande (Government of Bihar); J. A. Taraporevala (Government of Bombay); Dr. S. P. Chakravarty (Govt. of Madhya Pradesh); Dr. M. V. Krishnarao* (Government of Madras); Dr. H. B. Mohanti (Government of Orissa); Rauf Jafri (Government of U.P.); Dr. D. M. Sen (Government of West Bengal); Director of Industries, Punjab (Government of Punjab).

State Governments [B].

V. G. Mohan Rai (Government of Hyderabad); Dr. Boli Chand (Govt. of Madhya Bharat); A. G. Ramchander Rao (Government of Mysore); V. G. Garde (Government of Rajasthan); A. Kazmi (Govt. of Jammu & Kashmir); S. Ranbir Singh (Government of PEPSU); M. V. Parekh (Government of Saurashtra); Dr. A. Ramaswamy Mudaliar (Government of Travancore-Cochin).

Industry and Commerce.

Fran Lal Patel, J. K. Srivastava (All-India Organisation of Industrial Employers); Dr. K. V. Venkataraman, G. Y. Mangrulkar (Employers' Federation of India); Dr. D. N. Sen, M. P. Gandhi (Federation of Indian Chambers of Commerce); J. A. Murray, T. J. May (Associated Chambers of Commerce, India).

Labour.

S. Guruswamy (All-India Railwaymen's Federation); Nur Mohd. Shiek (Indian National Trade Union Congress); K. P. Shankaralingam (All-India Trade Union Congress); J. N. Mitra (Hind Mazdoor Sabha).

Association of Principals of Technical Institutions.

Dr. J. C. Ghosh.

Professional Bodies.

Dr. T. Sen (Institution of Engineers); C. M. Master (Indian Institute of Architects); Dr. Zakir Hussain (Central Advisory Board of Education); Dr. A. L. Mudaliar (Inter-University Board of India).

* Now in Andhra.

INSTITUTIONS FOR DIPLOMA OR CERTIFICATE IN ENGINEERING AND TECHNOLOGY

ANDHRA

Government Ceramic School, Gudur.
Oil Technological Institute, Anantapur.
Andhra Polytechnic, Kakinada.

ASSAM

Assam Civil Engineering School, Gauhati.
H. R. H. Prince of Wales Technical School,
Jorhat.

BIHAR

Jamshedpur Technical Institute, Jamshedpur.
Tirhut School of Engineering, Muzaffarpur.

BOMBAY

D. E. Society's Technical Institute, Poona.
Government Leather Working School, Bombay.
Government Tanning Institute, Bombay.
M. H. Saboo Siddik Institution, Ahmedabad.
R. C. Technical Institute, Ahmedabad.
Sir J. J. School of Arts, Bombay.
St. Xavier's Technical Institute, Bombay.
Sir Cusrow Wadia Institute of Electrical Techno-
logy, Poona.
S. M. Parulkar Parsi Polytechnic, Surat.
Training Ship, "Dufferin", Bombay.

HYDERABAD

Osmania Technical College, Hyderabad (Dn.).
School of Art, Hyderabad (Dn.).

MADHYA BHARAT

Central Technical Institute, Gwalior.

MADHYA PRADESH

Government Engineering School, Nagpur.

MADRAS

Arthur Hope Polytechnic, Colmbatore,
Central Polytechnic, Madras.
C. N. Technical & Industrial Institute, Vepery,
Madras.
Institute of Leather Technology, Madras.
Karnatak Polytechnic, Mangalore.
Kerala Polytechnic, Kozhikode.
Ramakrishna Mission Technical Institute,
Madras.
Tamilnad Polytechnic, Madurai.
Vincent's Technical Institute, Tiruchirappalli.
Vuyyuru Polytechnic, Vuyyuru.
V. S. Rajagopalan's Radio Institute, Madras.

MYSORE

D. R. R. Occupational Institute, Davangere.
Occupational Institute, Chintamani.
Silver Jubilee Technical School, Bhadravati.
School of Engineering, Bangalore.
S. L. V. Occupational Institute, Hassan.
Sri J. M. Occupational Institute, Bangalore.
Rayalaseema Polytechnic, Bellary.

ORISSA

Orissa School of Engineering, Cuttack.

PEPSU

Shri Vishwakarma Polytechnic, Phagwara.

PUNJAB

Engineering College, Ludhiana.
Government Institute of Dyeing & Calico Print-
ing, Ludhiana.
Government School of Engineering, Nalokheri.
Government Tanning Institute, Jullundur.
Government Technical Institute, Ambala.
National Institute of Engineering, Hoshiarpur.

Punjab Institute of Textile Technology,
Amritsar.
Polytechnic, Nalokheri.

SAURASHTRA

Shri A. V. Parikh Technical Institute, Rajkot.
Sir Bhavsinhji Polytechnic, Bhavnagar.

TRAVANCORE-COCHIN

Maharaja's College, Ernakulam.

UTTAR PRADESH

Civil Engineering School, Lucknow.
Draftman School, Roorkee.
Government Central Textile Institute, Kanpur.
Government Central Weaving Institute, Banaras.
Government Technical Institute, Ghazipur.
Government Technical Institute, Gorakhpur.
Government Technical Institute, Lucknow.
Hewitt Engineering School, Lucknow.
I. D. Technical Institute, Bhajol.
Overseer's School, Roorkee.
Prem Mahavidyalaya Engineering College,
Mathura.
Technical College, Dayalbagh.

WEST BENGAL

Bengal Ceramic Institute, Calcutta.
Bengal Textile Institute, Serampore.
Berhampore Textile Institute, Berhampore.
Calcutta Technical School, Calcutta.
Hooghly Institute of Technology, Hooghly.
Jalpaiguri Polytechnic, Jalpaiguri.
Institute of Jute Technology, Calcutta.
K. G. Engineering Institute, Vishnupur.
Marine Engineering Training Centre, Calcutta.
M. B. C. Institute of Engineering & Technology,
Burdwan.

EDUCATIONAL STATISTICS

SUMMARY OF EDUCATIONAL INSTITUTIONS—NUMBER & ENROLMENT 1950-51*

Type of Institution	Number of Institutions	Enrolment
I. RECOGNISED—		
Universities	28	29,520
Research Institutions	20	776
Boards of Secondary Education	7	..
Arts & Science Colleges	504	3,04,324
Professional Colleges	213	54,716
Special Education Colleges	99	7,598
Secondary Schools	20,981	5,225,454
Primary Schools	210,112	18,352,383
Pre-Primary Schools	305	25,144
Vocational & Technical Schools	2,162	164,904
Special Education Schools	47,542	1,255,208
Total (Recognised) ..	281,973	25,420,027
II. UNRECOGNISED		
	8,485	406,338
Grand Total	290,458	25,826,365

* Figures are provisional.

SUMMARY OF EXPENDITURE* ON RECOGNISED INSTITUTIONS IN INDIA 1950-51.

DIRECT EXPENDITURE	Rs. in crores
Universities	4.73
Research Institutions	0.62
Boards of Secondary and/or Inter- mediate Education	0.51
Arts and Science Colleges	6.07
Professional Colleges	4.19
Special Education Colleges	0.22
Secondary Schools	30.39
Primary Schools	36.71
Pre-Primary Schools	0.44
Vocational and Technical Schools	3.88
Special Education Schools	2.35
TOTAL	90.71
INDIRECT EXPENDITURE	22.72
GRAND TOTAL	113.43

* Figures are provisional and exclude those relating to universities and collegiate education in Hyderabad and Jammu and Kashmir.

EXPENDITURE ON EDUCATION BY SOURCES, 1950-51.

State	Expenditure met from				
	Government Funds	Local Board Funds	Fees	Endowments	Total Expenditure
	Rs.	Rs.	Rs.	Rs.	Rs.
Assam	1,33,82,896	20,40,807	50,49,789	24,17,111	2,28,90,603
West Bengal	4,97,89,017	96,06,860	3,67,93,317	1,39,80,158	11,01,75,352
Bihar	2,64,14,871	1,97,01,786	1,67,69,952	69,01,709	6,97,88,318
Bombay	12,79,63,720	1,89,07,066	4,85,87,097	2,09,32,547	21,63,90,430
Madhya Pradesh	3,15,59,316	1,00,80,107	71,07,034	44,04,500	5,31,51,037
Madras	12,13,89,831	3,36,46,900	3,59,83,604	2,81,58,091	21,91,78,525
Orissa	1,58,76,430	10,28,713	27,42,845	29,38,240	2,25,86,228
Punjab	2,22,07,621	60,32,614	1,45,36,222	64,73,664	4,92,50,121
U. P.	7,46,65,174	1,85,36,560	3,92,85,386	3,06,59,643	16,31,46,772
Hyderabad*	3,58,45,064	3,99,134	16,90,020	26,21,781	4,05,64,999
Jammu and Kashmir†	36,31,947	..	56,474	..	36,88,421
Madhya Bharat	1,32,78,111	1,060	6,94,327	5,85,065	1,45,58,563
Mysore	2,46,86,288	5,37,226	38,40,641	20,79,365	3,11,43,520
PNPSU	55,40,958	..	14,24,242	2,74,848	72,39,548
Rajasthan‡	1,88,99,892	..	5,07,095	25,05,581	2,23,02,568
Saurashtra	1,07,68,221	..	8,62,232	5,81,642	1,22,12,095
Travancore-Cochin	2,22,60,300	..	85,21,415	30,87,279	3,38,77,994
Ajmer	40,28,926	2,30,816	10,71,269	4,17,973	67,54,984
Andaman and Nicobar Islands	1,31,522	..	5,298	..	1,36,820
Bhopal	11,24,419	..	88,416	30,717	12,43,552
Bilaspur	1,45,077	..	1,710	..	1,46,787
Coorg	9,02,701	61,904	2,18,074	93,478	12,74,247
Delhi	1,34,29,237	39,07,411	47,27,025	25,16,574	2,45,80,267
Himachal Pradesh	17,08,370	62,215	1,02,410	25,461	18,88,456
Kutch	6,40,968	..	72,804	2,15,952	9,29,724
Manipur	4,63,273	..	2,75,385	4,88,172	12,26,830
Tripura	8,89,525	..	96,884	57,767	10,44,176
Vindhya Pradesh	30,29,910	..	3,981	40,078	39,78,969
Total	64,55,62,755	12,47,77,287	23,12,08,988	13,27,95,946	1,13,43,44,976

* Excludes expenditure on Universities and Collegiate education.

† Relates to expenditure on Govt. Institutions and grant-in-aid paid.

‡ Figures relate to the year 1949-50.

PROGRESS OF COMPULSORY EDUCATION IN INDIA, 1950-51.

State	Age Group (a) of Children under compulsion		Number of Areas under compulsion		No. of Institutions where compulsion was in force		Total Estimated Population of the Children of School-going Age in Areas under compulsion			Number of students on Rolls under compulsion				
										Urban		Rural		Total
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Total	Boys	Girls	Boys	Girls	
Assam ..	6-11	6-11	10	1,293	123	2,403	17,363	206,176	223,539	9,649	6,443	102,479	64,261	182,832
W. Bengal ..	6-10	6-11	1*	42	39	291	3,570	40,126	43,696	3,432	..	24,804	8,454	36,690
Bihar ..	6-10	6-10	17	19	587	6	65,384	500	65,884	50,965	..	373	..	51,338
Bombay ..	6-11	6-11	155	6,807	2,924	11,568	687,426	1,469,702	2,157,128	334,562	243,607	686,730	507,419	1,772,318
Madhya Pradesh ..	6-11 & 7-14	6-11 & 7-12	34†	1,199	287	371	50,967	53,799	1,04,766	42,402	..	38,769	186	81,357
Madras ..	6-12	6-14	81	1,843	1,686	5,866	386,605	1,145,094	1,532,599	203,633	102,907	473,241	295,379	1,075,250
Orissa ..	6-10	6-10	1	24	14	9	824	782	1,606	665	255	749	..	1,669
Punjab ..	6-11	6-11	35	3,481	132	1,486	56,555	182,655	239,210	43,276	..	118,848	..	162,124
U. P. ..	6-11	6-11	89	776	1,697	546	362,789	85,392	448,181	295,451	11,428	52,078	382	359,339
Delhi ..	6-12	6-11	1†	302	59	304	28,157	156,463	184,620	11,780	10,768	62,852	30,901	116,301
Mysore ..	6-11	6-11	11	2,406	267	1,447	46,328	259,885	306,213	23,559	19,809	130,944	114,767	289,079
Travancore-Cochin ..	6-10	5-10	15	134	139	914	18,468	44,847	63,315	16,512	..	17,080	5,411	39,003

* Compulsion was in force only in Ward IX of Calcutta Corporation.

† In one city and one town only certain wards are under compulsion.

‡ Only 13 wards of Delhi City are under compulsion.

Note: Compulsion was not in force in the remaining States upto 31st March, 1951.

NUMBER OF INSTITUTIONS—1950-51.

State	Recognised Institutions for		Unrecognised Institutions for		Total No. of Institutions for	
	Boys	Girls	Boys	Girls	Boys	Girls
Assam	11,919	1,536	1,223	81	13,142	1,617
West Bengal	18,009	1,204	838	59	18,847	1,268
Bihar	27,718	2,320	1,395	120	29,013	2,440
Bombay	35,711	4,000	383	18	36,094	4,018
Madhya Pradesh	25,928	5,189	806	56	26,734	5,245
Madras	41,402	460	..	..	41,402	460
Orissa	11,399	273	1,588	4	12,987	277
Punjab	4,781	1,283	135	130	4,866	1,368
U. P.	35,585	3,281	915	41	36,500	3,222
Hyderabad	8,541	1,176	546	1	9,087	1,177
Jammu and Kashmir	1,226	221	..	..	1,226	221
Madhya Bharat	4,457	388	..	..	4,457	388
Mysore	12,858	1,018	..	..	12,858	1,018
PEPSU	1,200	158	8	12	1,208	170
Rajasthan*	4,139	429	..	..	4,139	429
Saurashtra	2,531	246	..	..	2,531	246
Travancore-Cochin	5,267	266	182	11	5,449	277
Ajmer	378	96	3	..	381	96
Andaman and Nicobar Islands	20	..	1	..	21	..
Bhopal	269	37	..	..	269	37
Bilaspur	35	1	..	..	35	1
Coorg	135	3	13	..	148	3
Delhi	859	356	..	..	859	356
Himachal Pradesh	476	37	40	..	516	37
Kutch	257	44	345	130	602	174
Manipur	533	29	..	..	533	29
Tripura	456	21	..	..	456	21
Vindhya Pradesh	1,784	133	3	..	1,787	133
Total	2,57,823	24,150	7,824	661	2,65,647	24,811

* Figures relate to the year 1949-50.

NUMBER OF STUDENTS ON ROLLS IN STATES IN INDIA—1950-51.

State	Number of students in Recognised Institutions		Number of students in Unrecognised Institutions		Total Number of students in all Institutions	
	Boys	Girls	Boys	Girls	Boys	Girls
Assam	783,640	92,844	53,429	3,760	837,069	96,604
West Bengal	1,919,868	173,779	19,868	3,732	1,939,536	177,511
Bihar	1,841,661	113,908	70,641	3,929	1,912,302	117,837
Bombay	3,604,524	555,638	16,748	813	3,621,272	556,451
Madhya Pradesh	1,265,755	224,594	39,786	2,754	1,305,541	2,27,248
Madras	4,771,730	99,723	..	..	4,771,730	99,723
Orissa	580,403	16,986	42,777	137	623,180	17,123
Punjab	707,110	144,826	9,374	12,343	716,484	157,169
U. P.	3,304,584	333,170	61,528	2,781	3,366,112	335,951
Hyderabad	623,927	108,821	17,917	207	641,844	109,028
Jammu and Kashmir	77,147	13,777	..	..	77,147	13,777
Madhya Bharat	268,584	48,100	..	..	268,584	48,100
Mysore	814,796	104,524	..	..	814,796	104,524
PEPSU	133,640	18,255	1,785	935	135,425	19,790
Rajasthan*	305,760	42,092	..	..	305,760	42,092
Saurashtra	233,751	53,000	..	..	233,751	53,000
Travancore-Cochin	1,378,886	185,797	18,419	398	1,396,805	186,195
Ajmer	41,787	9,833	83	..	41,870	9,845
Andaman and Nicobar Islands	1,772	..	57	..	1,829	..
Bhopal	15,878	3,005	..	..	15,878	3,005
Bilaspur	4,766	216	..	..	4,766	216
Coorg	22,640	1,345	598	..	23,238	1,345
Delhi	136,159	53,684	..	..	136,159	53,684
Himachal Pradesh	30,457	3,210	680	..	31,137	3,210
Kutch	19,051	3,154	13,786	7,038	32,837	10,192
Manipur	40,775	2,667	..	..	40,775	2,667
Tripura	29,983	1,857	..	..	29,983	1,857
Vindhya Pradesh	97,169	6,320	85	..	97,254	6,320
Total	230,55,503	2,364,524	3,67,561	38,777	23,423,064	2,403,301

* Figures relate to the year 1949-50.

ENROLMENT IN PRIMARY AND SECONDARY STAGES IN INDIA, 1950-51.

State	Number of Students in	
	Primary Stage	Secondary Stage
Assam	6,70,698	1,50,744
West Bengal	15,25,518	4,24,092
Bihar	14,64,586	3,28,382
Bombay	20,23,766	9,26,318
Madhya Pradesh	7,72,708	1,87,988
Madras	38,76,352	8,51,179
Orissa	4,85,831	55,944
Punjab	5,66,378	2,50,987
U. P.	28,18,447	6,34,453
Hyderabad	5,00,948	1,00,748
Jammu and Kashmir	Not Available	Not Available
Madhya Bharat	1,98,731	1,03,497
Mysore	6,08,655	2,29,827
PEPSU*	90,094	58,927
Rajasthan	2,43,274	82,708
Saurashtra	1,95,327	74,012
Travancore-Cochin†	11,76,754	3,16,697
Ajmer	Not Available	Not Available
Andaman and Nicobar Islands	1,042	701
Bhopal	14,719	3,494
Bilaspur	4,080	826
Coorg	17,887	5,753
Delhi	1,12,040	58,544
Himachal Pradesh	26,027	8,406
Kutch	16,652	5,217
Manipur	33,288	7,250
Tripura	22,551	8,521
Vindhya Pradesh	90,432	12,083
Total	1,85,46,578	48,85,251

* Figures include 2,720 students in unrecognised institutions.

† Includes 18,281 students in unrecognised institutions receiving general school education.

RECOGNISED PRIMARY AND SECONDARY SCHOOLS, NUMBER AND ENROLMENT, 1950-51.

State	PRIMARY SCHOOLS				SECONDARY SCHOOLS			
	School for Boys		School for Girls		School for Boys		School for Girls	
	Number	Enrolment	Number	Enrolment	Number	Enrolment	Number	Enrolment
Assam	0,482	5,54,192	1,266	66,195	1,040	1,78,526	140	22,680
West Bengal	14,083	13,38,877	750	77,649	2,041	4,47,792	327	84,735
Bihar	21,574	11,63,300	2,125	81,015	2,663	5,18,632	152	30,001
Bombay	26,292	29,67,280	2,215	4,58,362	1,159	3,71,223	184	53,214
Madhya Pradesh	7,986	6,18,402	599	69,955	970	2,49,108	123	23,239
Madras	38,448	40,70,079	..	..	1,143	5,73,407	256	84,242
Orissa	9,582	4,34,752	219	10,871	634	90,388	40	5,564
Punjab	3,254	2,98,734	1,061	95,548	1,250	3,77,464	128	46,119
U. P.	29,459	25,26,940	2,520	2,00,464	3,210	6,37,978	622	1,27,164
Hyderabad	7,749	4,61,912	1,056	76,279	264	1,24,121	74	29,384
Jammu and Kashmir*	940	46,809	175	6,748	152	25,248	43	6,752
Madhya Bharat	3,859	1,82,130	313	27,604	319	70,630	69	20,085
Mysore	9,702	5,76,548	583	65,404	771	1,62,591	150	33,911
PEPSU	733	42,100	107	6,655	801	86,118	34	10,351
Rajasthan†	2,864	1,72,293	331	24,413	676	1,10,778	73	16,403
Saurashtra	2,186	1,67,862	334	46,492	112	49,624	17	6,137
Travancore-Cochin	3,968	11,18,164	..	..	871	2,26,182	212	1,31,108
Ajmer	320	28,832	80	8,243	45	8,502	14	1,057
Andaman and Nicobar Islands	19	874	..	..	1	898	..	..
Bhopal	238	8,217	34	2,158	24	7,021	3	847
Bilaspur	28	2,871	..	..	6	1,810	1	216
Coorg	84	6,066	1	50	46	16,203	2	1,295
Delhi	361	62,448	169	28,190	94	57,738	49	19,840
Himachal Pradesh	377	14,912	25	988	97	15,377	12	2,209
Kutch	223	15,398	43	2,869	17	8,317	1	285
Manipur	480	37,007	25	1,869	78	10,864	4	778
Tripura	397	18,819	7	342	50	10,396	14	1,515
Vindhya Pradesh	1,582	64,155	114	3,939	169	31,667	19	2,371
Total	1,96,070	1,69,90,061	14,042	13,62,322	18,218	44,63,648	2,763	7,61,796

* Excludes figures for un-aided schools.

† Figures relate to the year 1949-50.

UNIVERSITY AND COLLEGIATE EDUCATION—NUMBER AND ENROLMENT* 1950-51

State	Professional & Special Education (other than Teachers' Training)										Total					
	General Education		Engg. & Technology		Medicine and Veterinary		Agriculture and Forestry		Commerce			Law		Others**		
	No. of Institutions	No. of Pupils Boys Girls	No. of Institutions	No. of Pupils Boys Girls	No. of Institutions	No. of Pupils Boys Girls	No. of Institutions	No. of Pupils Boys Girls	No. of Institutions	No. of Pupils Boys Girls		No. of Institutions	No. of Pupils Boys Girls	No. of Institutions	No. of Pupils Boys Girls	
Assam	18	6,381 975	3	2,084 4	1	225 14	1	76	1	553	1	185	1	48	22	8,459
West Bengal	94	36,299 6,710	9	3,575 211	9	3,575 211	1	186	2	9,344	2	1,591	24	998	133	62,062
Bihar	32	17,744 818	3	507 1	5	1,271 79	1	102	1	4,241	1	951	2	193	62	25,959
Bombay	66	32,691 7,246	9	2,159 22	8	2,184 493	4	730	2	4,328	6	2,217	7	186	75	52,512
Madhya Pradesh	21	6,097 1,055	2	487	2	541 64	1	263	1	1,369	3	876	3	153	32	10,760
Madras	69	35,719 4,541	5	2,319 6	7	2,322 646	3	474	4	4,604	10	950	21	200	117	53,399
Orissa	15	5,255 383	2	232	2	232 29	1	165	1	165	1	473	6	3	7	8,750
Punjab	40	18,394 1,719	1	166	2	493 93	1	355	1	151	1	60	7	304	10	21,752
Uttar Pradesh	98	65,495 5,985	1	1,515 54	4	1,507 298	6	1,984	14	4,758	32	2,558	60	3	57	85,975
Hyderabad	16	6,569 966	1	768	2	434 83	1	95	1	291	1	307	1	1	21	9,514
Jammu & Kashmir	15	2,353 252	..	..	..	..	..	..	..	..	..	..	..	..	15	2,605
Madhya Pradesh	16	5,330 484	..	..	..	400 42	1	56	..	721	2	318	..	3	20	8,112
Bihar	23	12,006 2,101	4	2,395 7	1	298 72	1	199	3	946	2	174	3	163	37	18,383
PEPSU	11	2,672 309	..	..	..	14	..	..	..	33	..	..	..	12	12	3,026
Rajasthan	25	8,101 494	1	195	1	174 6	1	23	..	135	..	423	1	7	37	10,241
Saurashtra	3	1,564 183	..	..	..	..	..	..	..	127	..	..	..	..	4	1,874
Travancore-Cochin	23	14,310 4,233	3	664 2	..	..	..	..	..	552	10	334	22	1	28	20,359
Ajmer	5	2,486 568	..	..	..	..	..	..	..	..	..	..	..	..	5	3,054
A. & N. Islands	..	158 57	..	..	..	..	..	..	..	126	..	..	..	..	3	469
Rhopal	1	147 30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bihar	1	147 30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Coorg	1	147 30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Delhi	15	5,965 940	1	606	2	115 301	1	245	..	511	..	708	29	3	23	9,788
Himachal Pradesh	1	156 9	..	..	..	..	..	..	..	..	..	..	..	..	1	165
Kutch	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Manipur	1	341 7	..	..	..	..	..	..	..	..	..	..	..	..	1	348
Tripura	2	603 50	..	..	..	..	..	..	..	..	..	..	..	..	2	702
Vindhya Pradesh	1	20	..	..	..	..	..	..	..	..	..	..	..	..	1	20
Total	552	296,836 40,065	34	13,845 96	46	13,771 2,341	22	4,851 24	25	33,453 166	19	12,125 284	102	6,951 1,657	800	4,16,465

* Excludes pupils reading for school courses.

** Includes colleges for Music, Dancing, Oriental Studies, Physical Education, etc., etc.

† Figures relate to 1949-50.

VOCATIONAL AND SPECIAL EDUCATION SCHOOLS (OTHER THAN TRAINING)—NUMBER AND ENROLMENT,* 1950-51.

State	Engineering, Technical and Industrial		Medicine		Commerce		Agriculture and Forestry		Social Education		Others**		Total		
	Number of Schools	Number of Pupils	Number of Schools	Number of Pupils	Number of Schools	Number of Pupils	Number of Schools	Number of Pupils	Number of Schools	Number of Pupils	Number of Schools	Number of Pupils	Number of Schools	Number of Pupils	
Assam	12	706	..	..	7	485	..	..	1,366	40,151	133	3,677	1,518	45,019	
West Bengal ..	91	7,847	..	3	871	33	4,262	1	38	832	35,944	900	29,106	1,860	78,158
Bihar	29	2,431	..	..	49	16	1,189	1	9	2,900	1,11,891	446	15,896	3,392	1,31,465
Bombay	39	5,276	25	1,691	81	9,349	19	1,198	8,912	1,79,700	421	38,125	9,497	2,35,339	
Madhya Pradesh ..	16	1,387	..	1	776	..	..	2	192	21,383	5,13,502	19	1,414	21,421	6,16,685
Madras	48	6,607	..	1	77	314	16,055	1	98	1,167	31,706	138	10,309	1,609	65,551
Orissa	14	580	..	2	64	2	42	1	26	614	31,832	515	15,409	1,148	47,953
Punjab	37	2,454	3	410	..	100	1	50	163	7,808	2	195	206	11,017	
Uttar Pradesh ..	78	4,001	..	..	1	33	..	138	1,339	37,811	1,413	34,849	2,832	76,832	
Hyderabad	20	1,678	..	..	1	94	..	17	280	10,568	233	17,060	535	30,017	
Jammu & Kashmir ..	..	..	..	..	..	..	..	..	120	2,400	..	..	120	2,400	
Madhya Bharat ..	1	94	..	..	..	..	..	..	210	4,541	..	674	239	5,299	
Mysore	20	2,471	..	1	426	49	4,003	3	76	2,396	47,095	90	3,185	2,559	67,256
PEPSU	2	105	..	..	..	..	..	..	166	1,887	2	244	170	2,236	
Rajasthan†† ..	..	..	..	..	..	..	..	..	404	8,987	109	1,719	573	10,706	
Saurashtra	3	294	..	1	261	3	310	2	42	161	6,666	22	787	192	8,340
Travancore-Cochin ..	147	4,246	..	..	42	1,564	..	83	124	3,498	72	5,150	388	14,541	
Ajmer .. ..	..	..	..	..	..	..	..	..	1	1,538	..	102	6	1,640	
A. and N. Islands ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhopal .. ..	..	..	..	1	9	..	..	..	..	..	..	2	142	3	151
Bilaspur .. ..	..	..	..	..	..	..	..	..	1	76	..	..	1	76	..
Coorg .. ..	..	..	..	..	..	..	..	..	1	30	..	..	1	30	..
Delhi	3	463	..	1	26	..	..	..	506	7,999	..	497	515	8,985	..
Himachal Pradesh ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kutch .. ..	..	..	..	..	..	..	..	..	12	215	..	1	20	13	235
Manipur .. ..	..	..	..	..	..	..	..	..	..	..	24	2,556	24	2,556	..
Tripura .. ..	..	..	..	..	..	..	..	..	2	35	..	5	31	7	66
Vindhya Pradesh ..	1	16	..	..	..	..	..	..	..	..	28	653	29	669	..
Grand Total ..	561	40,656	30	4,673	549	37,486	36	1,967	43,060	10,85,870	4,673	1,82,470	48,918	13,53,122	..

* Includes students reading in classes attached to schools for General Education and Colleges.

** Includes schools for Arts and Crafts, Music, Dancing, the Handicapped and Reformatory, etc., etc.

†† Figures relate to 1949-50.

NUMBER OF TEACHERS IN RECOGNISED SCHOOLS FOR GENERAL EDUCATION, 1950-51.

State	Number of Teachers in						TOTAL
	Primary Schools		Middle Schools		High Schools		
	Men	Women	Men	Women	Men	Women	
Assam	15,127	1,957	3,246	410	3,382	423	24,551
West Bengal	41,137	2,055	5,328	940	13,002	2,166	64,688
Bihar	37,807	2,567	11,713	894	7,597	511	61,089
Bombay	71,543	16,092	1,903	290	13,312	3,040	1,06,180
Madhya Pradesh	18,087	2,377	5,633	532	3,836	755	31,220
Madras	1,06,986	32,131	2,124	642	20,873	3,968	1,66,724
Orissa	16,208	317	2,414	155	2,125	122	21,341
Punjab	7,293	2,506	4,762	835	6,306	668	22,370
U. P.	65,110	5,189	11,605	2,900	15,453	2,774	1,03,031
Hyderabad	15,192	2,641	2,873	620	2,632	961	24,919
Jammu and Kashmir	1,948	214	869	309	835	86	4,261
Madhya Bharat	5,542	743	3,246	542	806	205	11,084
Mysore	18,827	2,883	3,601	787	2,031	484	28,413
PEPSU	998	135	1,101	132	1,464	201	4,081
Rajasthan	5,681	985	4,057	577	2,360	270	13,930
Saurashtra	5,375	1,372	767	137	891	123	8,665
Travancore-Cochin	15,106	7,052	3,588	1,481	6,937	2,589	36,753
Ajmer	653	90	89	24	311	104	1,271
Andaman and Nicobar Islands	40	11	..	..	12	3	66
Bhopal	350	93	259	30	93	31	856
Bilaspur	76	1	41	6	15	..	139
Coorg	136	24	237	47	161	54	659
Delhi	1,429	911	426	352	1,275	524	4,917
Himachal Pradesh	584	63	359	33	310	73	1,422
Kutch	487	91	60	..	59	6	703
Manipur	929	34	284	7	162	10	1,406
Tripura	532	33	174	14	245	27	1,025
Vindhya Pradesh	2,876	167	1,315	129	272	26	4,785
Grand Total	4,56,059	82,534	72,054	12,881	1,06,807	20,204	7,50,549

* Figures relate to the year 1949-50.

TEACHERS, TRAINING INSTITUTIONS—NUMBER AND ENROLMENT, 1950-51.

State	No. of Institutions*		No. of Pupils**			
	Schools	Colleges	In Schools		In Colleges	
			Boys	Girls	Boys	Girls
Azam	30	..	1,255	136	33	10
West Bengal	53	4	1,174	331	274	165
Bihar	84	2	3,894	573	114	16
Bombay	108	8	8,894	3,291	466	156
Madhya Pradesh	22	6	1,146	447	332	186
Madras	187	15	13,852	8,744	692	238
Orissa	28	1	948	99	58	5
Punjab	6	3	796	399	153	249
U. P.	134	16	15,166	639	1,449	509
Hyderabad	16	1	775	275	75	30
Jammu and Kashmir	1	1	201	39	40	5
Madhya Bharat	3	2	108	186	123	16
Mysore	11	1	966	290	60	18
PEPSU	1	..	210	59	54	6
Rajasthan †	12	2	658	76	68	2
Saurashtra	23	..	847	386	..	..
Travancore-Cochin	57	1	1,329	1,786	124	74
Ajmer	3	..	267	35	..	..
Andaman and Nicobar Islands	..	..	..	..	..	..
Bhopal	1	..	20	..	..	..
Bilaspur	..	..	..	..	..	..
Coorg	..	..	52	12	..	..
Delhi	2	1	135	204	74	227
Himachal Pradesh	1	..	53	13	..	..
Kutch	1	..	14	12	..	..
Manipur	..	..	..	..	..	..
Tripura	..	..	..	..	..	..
Vindhya Pradesh	2	..	78	1	..	..
Total	786	64	52,328	18,033	4,189	1,912

* Excludes University Teaching Departments and Classes attached to institutions for General education.

** Includes enrolment in University Teaching Departments and classes attached to institutions for general education.

† Figures relate to the year 1949-50.

SCALES OF PAY

Here are tables of scales of pay sanctioned in Government Schools by the Central Government :

PRIMARY SCHOOLS

Post.	Prescribed Scale.	Minimum Qualifications.	Remarks.
Headmaster.	Grade pay plus S. P. Rs. 15.	Matric Trained.*	Minimum from 1st April 1950.
Teachers.	68-4-120-E.B.-5-170.	Matric Trained.	
	68-4-120-E.B.-5-170.	Middle S. V. & V.T.C. if in Ajmer.	Temporary relaxation for existing employees.
	55-3-85-E.B.-4-125-5-130.	Untrained Matric Middle J. Vs.	
	50-2-60-3-90.	Lower than Middle J. Vs.	Minimum from 1st April 1950.
	35-1-40-2-60.	Non-Matric Untrained.	

MIDDLE SCHOOLS

Post.	Proposed Scale.	Minimum Qualifications.	Remarks.
1	2	3	4
Non-Language teachers and English teachers.	100-5-150-E.B.-8-190-10-250.	Trained (J.A.V., S.A.V., or B.T.) graduate teachers.	Minimum from 1st April 1950.
		Untrained graduate teachers with 5 years' experience. Intermediate plus S.A.V.	
	80-5-120-E.B.-8-200-10-2-220.	Untrained graduate teachers with less than 5 years' experience.	Temporary relaxation for existing employees.
	68-4-120-E.B.-5-170.	Matric plus S. V. or J.A.V. or V.T.C. of Ajmer	
	68-4-120-E.B.-5-170.	Middle S.V. (or V.T.C. in Ajmer).	Minimum from 1st April 1950.
Headmaster.	Grade pay plus S. P. Rs. 40/- for classes 1-3	Trained graduate.	
	Grade pay plus S. P. Rs. 25/- for classes 6-8		

* Non-Matric J. V. H. Ms. who held their posts as Headmasters substantively on the date of election of the revised scales will also as a special grade be given the scale of pay of Rs. 68-4-120-E.B.-5-170 as personal to them.

PUBLIC HEALTH

PUBLIC health is a State subject.

The Central Ministry of Public Health administers quarantine in ports, controls quality of imported drugs, and promotes research. It also gives advice, collects information and acts as a co-ordinating and liaison agency. The department which deals with public health under the Central Government is called Directorate-General of Health Services.

The main facts (based on Government report) are given below:

About 8,80,000 persons are engaged in medical and health services in the country as a whole. Out of this 2,80,000 live in towns and 1,50,000 live in villages. These may be divided as follows*:

Registered medical practitioners (91,030); Vaid, hakims and those not registered (96,147); Compounders (38,407); Nurses (31,517); Midwives (23,938); Vaccinators (5,928); Dentists (3,283); Others engaged in hospitals and private establishments rendering medical or health services but not including scavengers or sanitary staff (72,970).

Number of hospitals, 8,601 (1951); no. of beds, 1,13,557 (1951); no. of nursing homes, 500 (1952); no. of medical colleges (including 3 dental colleges, 3 nursing, one pharmacy), 34 (1952); no. of colleges for indigenous systems, 50 (1952); no. of special institutions (e.g., radiological) conducted by private agencies, 195; no. of maternity and child welfare centres (urban) 684, (rural) 418 (1947); no. of trained visitors (urban) 231, (rural) 136 (1947); no. of trained

midwives (urban) 922, (rural) 255 (1947); no. of trained *dais* (urban) 1,264, (rural) 1,387 (1947).

The position in relation to health services (1947) in urban areas is as follows:—

Number of medical health officers, whole-time, 164, part-time, 23; no. of medical licentiates, whole-time, 137, part-time, 6; no. of sanitary and health inspectors, 1,194; no. of vaccinators (male) 809, female 55; no. of inspectors of vaccination, 60; no. of school medical officers, 60; other health staff, 1,294.

The position in relation to health services in 1947 in rural areas was as follows:

Number of medical health officers, whole-time, 132, part-time, 4; no. of medical licentiates, whole-time, 194, part-time, 2; epidemic staff, 832; no. of sanitary and health inspectors, 1,367; no. of vaccinators, male, 4,081, female, 73; no. of school medical officers, 29; other health staff, 1,466.

VITAL STATISTICS

The registered birth rates, death rates and infant mortality rates are given below:

—	Birth rate.	Death rate.	Infant Mortality rate.
1921 ..	32	31	198
1930 ..	33	25	189
1940 ..	33	22	160
1947 ..	28.6	19.7	148
1948 ..	25.4	17.1	130.9
1949 ..	20.7	16.0	123
1950 ..	24.8	16.0	127

The infant mortality rates in some of the Indian cities are given below. They are much higher than the rate for the country.

Name of the city	1948	1949	1950
Ahmedabad	203.3	244.5	189.8
Bombay ..	165.8	174.2	143.5
Calcutta ..	258.7	165.7	Not available.
Delhi ..	115.5	107.7	103.4
Lucknow ..	155.4	143.3	160.0
Madras ..	156.7	158.6	187.7
Nagpur ..	305.9	216.1	226.9

The following paragraph gives the maternal death-rate (deaths per 1,000 of live and stillbirths) for 1947 in some major towns in India.

Ahmedabad, 5.3; Bombay, 2.0; Calcutta, 4.7; Delhi Cantonment, 2.8; Delhi City, 4.6; Lucknow, 4.6; Madras, 3.8; Nagpur, 10.6.

TROPICAL DISEASES

The following table gives the death-rate (number of deaths for every 1,000 of the population) for a number of States. The year for which the figures are given is 1947:

State.	Cholera.	Small-pox.	Plague.	Fever.	Dysentery and Diarrhoea.	Respiratory Diseases.	All other causes.	Total.
Assam ..	0.2	0.06	..	5.2	0.5	0.4	2.0	8.4
Bihar ..	1.2	0.2	0.06	10.4	0.08	0.06	1.7	13.8
Bombay ..	0.2	0.1	0.06	7.9	0.8	4.3	8.5	21.9
M.P. ..	0.6	0.2	0.2	17.6	1.4	2.0	7.6	29.5
Madras ..	0.5	0.06	0.02	4.4	1.1	1.8	10.5	18.3
Orissa ..	0.8	0.2	..	13.7	1.6	0.6	6.5	23.5
Punjab ..	0.1	0.1	0.01	10.0	0.3	1.5	2.1	14.2
U.P. ..	0.9	0.2	0.2	10.5	0.3	0.5	1.4	14.0
West Bengal ..	0.0	0.4	..	8.6	1.1	1.6	4.9	17.1
Ajmer ..	0.1	0.3	..	13.4	0.5	1.2	1.9	17.4
Coorg ..	..	0.03	..	9.0	0.2	0.3	2.8	12.3
Delhi ..	0.0	0.07	..	2.3	1.1	2.6	5.7	11.7

In 1947 as many as 1,066,269 persons died of malaria (996,176 in rural areas). About 20 lakh persons suffer from tuberculosis and about 5 lakhs die annually. During 1947 as many as 371,045 died of respiratory diseases and 47,639 of pulmonary tuberculosis in Part A

States and the Part C States of Ajmer Coorg and Delhi.

Plague.—States which may be said to have a serious plague problem are U.P., Bihar and Madhya Pradesh. The number of deaths from plague in some States are as follows:—

State	1946	1947	1948	1949	1950
U.P. ..	18,206	51,455	13,722	Not available.	Not available.
Bihar ..	8,689	13,204	Not available.	..	..
M.P. ..	..	2,902	2,560	3,475	5,568
Madras ..	..	..	..	150	Not available.
Punjab ..	..	1,905	211	241	..

Cholera.—The total number of deaths from cholera are as follows: 1940—86,133; 1941—228,141; 1942—218,489; 1943—459,829; 1944—294,191; 1945—278,309; 1946—162,870; 1949—74,826.

Leprosy.—States in which leprosy is most prevalent are Assam, Bihar, Hyderabad, Madhya Pradesh, Madras, Orissa, West Bengal, Travancore-Cochin. It is estimated that there are about 12 lakh lepers in the country, about three-fourths of the cases being of the mild type and non-infective.

Malaria.—It is estimated that there are at least 100 million people suffering from malaria

at any time in the country, and that out of 8 million deaths in a year at least 2 million are caused directly or indirectly by malaria. The number of deaths for 1947 was 1,066,269. Out of these 996,176 were in the rural areas.

The number of persons, treated in hospitals and dispensaries and (in brackets) of those who died in hospital are given below. The year for which the figures are quoted is 1948:

Animal parasites—287,926 (49); Beri beri—84,689 (41); Cholera—47,659 (6,172); Digestive diseases—3,270,402 (1,338); Diarrhoea—1,574,068 (2,914); Dysentery—1,220,814 (2,639); Dyspepsia—165,998 (20); Ear diseases—

2,802,372 (47); Eye diseases—4,105,411 (84); Gonorrhoea—248,222 (42); Injuries—2,614,952 (6,773); Labour (abnormal)—40,531 (1,808); Labour (normal)—210,652 (604); Liver abscess—17,470 (274); Liver diseases (other than abscess)—221,208 (1,184); Malaria—8,005,038 (1,823); Nervous diseases—1,090,822 (1,855); Respiratory diseases (except pneumonia and lung tuberculosis)—3,812,759 (1,741); Rheumatic fever and rheumatism—299,027 (50); Skin diseases—2,059,882 (221); Small-pox—5,638 (388); Syphilis—232,315 (301); Tuberculosis of the lung—200,960 (4,048); Tuberculosis, other than of lung—79,917 (1,020); Ulcers—3,113,410 (678).

INSTITUTIONS

A Central Council of Health has been constituted with the Union Health Minister as chairman and State Health Ministers as members. The Deputy Director-General of Health Services is the Secretary.

The All-India Council of Post-graduate Medical Education prescribes standards for post-graduate medical education.

The body in charge of research is the Indian Council of Medical Research. The following institutes and laboratories may be mentioned:

Malaria Institute of India (New Delhi); All-India Institute of Hygiene and Public Health (Calcutta); Cancer Research Centre (Tata

* Exclusive of five districts in Bihar (Monghyr, Bhagalpur, Saharsa, Purnea, Santhal Pargana). Also see under "Population".

Memorial Hospital (Bombay); Tuberculosis Institute (Delhi University); Central Drugs Research Institute (Lucknow); Virus Research Centre (Poona); Rabies Research Centre (Kasaali); Central Institute for Research in Indigenous Medicine (Jamnagar).

The chest Institute of Delhi University may also be mentioned here.

The laboratories are: B.C.G. Vaccine Laboratory (Gulindy, Madras); Central Drugs Laboratory (Calcutta); Serologist Laboratory (Calcutta); Central Research Institute (Kasaali).

There are four main medical depots—one each at Bombay, Calcutta, Karnal and Madras. The depots at Bombay and Madras have factories attached to them.

Among important Acts in force are Vaccination Act, Drugs Act of 1940, Drugs Rules of 1945. Then there are the Indian Medical Council Act, the Nursing Act of 1947, the Dentist Act, the Pharmacy Act.

The following medical bodies are in existence: The Indian Medical Council, the Nursing Council, the Dental Council, the Pharmacy Council.

CONTROL OF DISEASES

Steps are being taken to control a number of diseases that are rampant.

For malaria, there are four control schemes in Terai (U.P.), Jaipur Hill Tracts (Orissa), Malnad (Mysore), Ernad (Madras). The cost of each scheme is shared by the Central Government, the State Government, the WHO and the UNICEF. The Malaria Institute is also engaged in malaria control work with the assistance of the Indo-American Fund (Point Four Programme). The Technical Assistance Authority has offered DDT, vehicles and spraying equipment.

A number of bodies are fighting to control leprosy—Mission to Lepers, Hind Kushia Nivaran Sangh (formerly Indian Council of the British Empire Leprosy Relief Association), Gandhi Memorial Leprosy Foundation, Kasturba Gandhi Trust, Maharogi Sewa Mandal.

The Mission runs 50 leper homes with about 10,000 inmates and gets a grant from State Governments.

The Sangh has as its president the President of the Indian Republic. It carries on research work at the School of Tropical Medicine at Calcutta, conducts courses in post-graduate training in leprosy, undertakes surveys.

The mainstay in the treatment of leprosy has been injections of chaulmoogra (hydnocarpus) oil or its preparations. Recently encouraging results have been reported by the use of certain sulphone drugs such as "Promine" and "Diasone".

The Sir Profulla Chandra Research Laboratory and the connected Bengal Chemical and Pharmaceutical Works Ltd., Calcutta, have commenced production of an anti-leprosy drug called "Novotrone". Both the mother sulphone (Diamino-Diphenyl-Sulphone) called "Novophone" and a soluble derivative called "Novotrone", which is of the same composition of the well known compound Sulphatone prepared by Burroughs Wellcome & Co., London are being manufactured.

The only sure method of preventing contact with infective cases is the isolation of cases in leprosy hospitals, sanatoria, or colonies. There are in all about 129 colonies, homes, asylums and hospitals for the treatment of leprosy patients and the number of beds provided is estimated at 17,000.

Treatment in out-patient leprosy clinics is also available in various parts of India. The number of such clinics is approximately 1,000 and the total number of cases taking treatment therein is roughly 60,000 per year.

As for tuberculosis, about 100 anti-T.B. teams are working in the country. By the end of July 1953 about 16 million persons were tested and five and a half million persons were vaccinated with B.C.G. The serum is now manufactured at Gulindy in Madras. There are three centres at Delhi, Patna and Trivandrum for studying the incidence and spread of the

disease, while at Delhi University there is a T.B. Institute.

The maternal and child mortality as already indicated is high—the maternity death rate is about 20 and infant mortality about 130.

In all States welfare activities are in progress. There are posts of maternity and child welfare officers in Madras, West Bengal, Orissa, Assam, Delhi, U.P., Punjab, Madhya Pradesh and Hyderabad. The Government of India has an officer in the Directorate-General of Health Services who gives special attention to maternity and child welfare problems. In Bihar work is done by the Bihar Maternity and Child Welfare Society and in Bombay the Bombay Mothers and Children's Welfare Society. There is a model demonstration centre at Najafgarh near Delhi.

Non-official bodies engaged in welfare work are the Association of Medical Aid to Women by Women, and the Indian Red Cross which has a special bureau. The Bureau administers the funds of the Victoria Memorial Scholarships which amount to six and a half lakhs. The income is expended as grants-in-aids to training schemes for rural midwives.

DEFECTIVES

The last census of handicapped persons (blind, deaf, crippled, mentally retarded, etc.), took place in 1931. These put the number of blind at about 600,000 and the number of deaf and hard-of-hearing at 200,000.

It is estimated that today the total number of blind is about 1,800,000 and the deaf about 600,000.

There is a Training Centre for the Adult Blind at Dehra Dun to impart vocational training. There is also a common Braille code for Indian languages known as Bharati Braille. A central Braille Printing Press has been established at Dehra Dun. It has already published several Braille books in Hindi.

There is a journal called *Deepavali*, devoted to the welfare of the blind. Its opposite number for the deaf is called *The Deaf in India*. For training deaf and dumb children the Lady Noyce School for the Deaf and Dumb in New Delhi has been provincialized. The Children's Aid Society Home at New Delhi which has also been provincialized takes care of neglected and destitute children.

The number of mental cases is about one million, mental defectives one and a half million, of psycho-neurotics about three million.

At present there are 32 mental hospitals with accommodation for about 10,500 patients. One of these in Madras is reserved for criminal lunatics only.

The Mysore Government Mental Hospital at Bangalore and the Hospital for Mental Diseases at Ranchi are the ones which are best equipped.

The following is a list of mental hospitals in India:

Mental Hospital, Tezpur; Inter-Provincial Mental Hospital, Kanke, Ranchi; Indian Mental Hospital, Kanke, Ranchi; N. M. Mental Hospital, Thana (Bombay); Mental Hospital, Ratnagiri (Bombay); Central Mental Hospital, Yeravda; Mental Hospital, Ahmedabad; Mental Hospital, Dharwar; Mental Hospital, Baroda; Mental Hospital, Nagpur; Government Mental Hospital, Madras; Government Mental Hospital, Waltair; Government Mental Hospital, Kozhikode; Punjab Mental Hospital, Amritsar; Mental Hospital, Agra; Mental Hospital, Bareilly; Mental Hospital, Banaras; Mental Hospital, Mankunda, Calcutta; Lambini Park Mental Hospital, P.O. Tiljala, 24 Parganas; Banglauranmad Ashram, 29-A, Vivekananda Road, Dum Dum; Mental Observation Ward, Bhawanipur, Calcutta; Mental Hospital, Jalna; Mental Hospital, Srinagar; Mental Hospital, Lashkar; Mental Hospital, Bongaanga, Indore; Mental Hospital, Bangalore; Mental Hospital, Jaipur; Mental Hospital, Jodhpur; Mental Hospital, Udaipur; Mental Hospital, Bhavnagar; Mental Hospital, Trivandrum; Mental Hospital, Trichur.

SHORE COMMITTEE'S PLAN

The key report for public health is the one submitted by the Health Survey and Development Committee appointed by the Government of India in October, 1943 under the chairmanship of Sir Joseph Shore. The Committee was to make a survey of existing health conditions in the sub-continent and to formulate plans for future health development.

In putting forward its recommendations the Committee kept in view a scheme, which when fully developed, should provide each individual in the country with adequate medical care, curative and preventive, irrespective of his ability to pay for such services.

The scheme visualized by the Committee is as follows:

The district health organisation will have as its smallest unit of administration a primary unit which will normally serve a population of 10,000 to 20,000. About 15 to 20 such primary units will together constitute a secondary unit and a varying number of the latter (3 to 5) will form the district health unit, the designation suggested by the Committee for the district health organisation.

At each of the headquarters of the district, secondary and primary health units will be established. A Health Centre from which will radiate the different forms of health activity into the territory covered by each type of unit. The provision made for medical relief and preventive health work at each of these Health Centres will increase in scope and efficiency from the primary unit to the district health unit.

The District Health Centre will possess general and special hospitals with a total bed strength of about 2,500 and all the consultant and laboratory services required for the diagnosis and treatment of disease on up-to-date lines. The Secondary Health Centre will have a hospital with 650 beds and the primary unit headquarters a 75-bed hospital.

A system of ambulances and telephone connections between these three types of hospitals will help to promote the fullest utilisation of the higher types of service available at the larger institutions by the people living in the remoter parts of the district.

These hospitals will also take an active part in the preventive health campaign. They will be linked with the field health organisations in respect of such services as those for tuberculosis, for mothers and children or for venereal diseases.

The Committee made it plain that no health development plan could produce adequate results unless sufficient measures were taken for the provision of a healthy environment for community life, such as safe water-supply, hygienic houses, a satisfactory system of conservancy and proper supervision over the production, distribution and sale of food intended for public consumption. Specific recommendations were put forward in respect of these.

In order to secure the active support of the people, the establishment of a Health Committee in every village was recommended.

FIVE-YEAR PLAN

Total allotment—Rs. 99.5 crores.

It is proposed that the country should have one doctor for every 2,000 persons, one nurse for 500, one midwife for 4,000.

The schemes envisaged: provision of water supply and drainage, control of malaria, care of health of the rural population through health and mobile units, health services for women and children, training of more doctors and nurses, research in indigenous systems of medicine, setting up of one factory for the manufacture of anti-biotics, and two for the manufacture of D.D.T.

Allotment for 125 malaria control teams—Rs. 15 crores.

Research in indigenous medicine—Rs. 37.5 lakhs.

SOCIAL WORK IN INDIA

THE period under foreign rule witnessed a destruction of the older social structure in India. In the newer structure that emerged a number of reforms and institutions were introduced by bodies like the Brahmo Samaj, the Prarthana Samaj, the Ramkrishna Mission and the Arya Samaj. Though these organisations were in the nature of religious orders, they took it as a part of their faith to serve the needy and the suffering. The Arya Samaj and the Ramkrishna Mission sponsored social reforms, established orphanages, widows' homes, free dispensaries and relief centres in periods of emergency.

During this period pioneering work in many neglected fields of service, e.g. founding homes, leper asylums and institutions for the maimed and the handicapped, was undertaken by Christian missionaries in the country.

By 1920 Mahatma Gandhi's contribution began to gain recognition throughout the country. He provided for a number of constructive social welfare programmes through organisations like the Harijan Sewak Sangh, All India Village Industries Association, Charkha Sangh, the Hindustani Talimi Sangh, Goseva Sangh, and the Kasturba Gandhi National Memorial Trust, etc.

The late '30s saw the formation of the first popular Ministries in eleven provinces in India. During the same period professional social work began to be recognised with the starting of the Sir Dorabji Tata Graduate School of Social Work in the year 1936.

The new profession generally covers the following fields of social work: Community Welfare Services; Family, Child and Youth Welfare Service; Public Welfare Administration; Social Security Services; Services for the mal-adjusted and handicapped groups; Social Defence and Correctional Administration; Services for Emergency Relief and Rehabilitation; Social Legislation and Social Action; Social Research; Training in Social Work.

The attitude of the Indian Government towards State responsibility for social welfare is reflected in Part IV of the Constitution which lays down the "Directive Principles of State Policy", as follows:—

"The State shall strive to promote the welfare of the people by securing and protecting as effectively as it may, a social order in which justice, social, economic, and political, shall inform all the institutions of the national life."

SOCIAL LEGISLATION

Social legislation on an all-India scale dates back to 1843 when the first law abolishing slavery was passed. The earlier laws sought to reform the evil social practices existing at the time, practices such as *Sati*, infanticide, and child marriage. Later, social legislation began to assume a more positive and constructive role. Laws for better working conditions in factories, laws providing maternity benefits, for the abolition of traffic in women and children, and laws for the protection and care of destitute and delinquent children have all received attention in the first half of this century.

The post-independence years have seen an unprecedented increase in social legislation. Among the laws framed by the Government have been the Industrial Disputes Act, 1947, the Factories Act (revised), the Coal Mines Provident Fund and Bonus Scheme Act, the Minimum Wages Act, the Employees' State Insurance Act of 1948; the Plantation Labour Act, 1951; the Mines Act and the Provident Fund Act, 1952. The Hindu Code Bill seeks to deal with the questions of marriage, divorce, inheritance by women, etc.

In India, the Central Government does not have a special Ministry or department for social welfare. The Ministries of Health, Education, Labour and Agriculture undertake several important social services.

A Planning Commission was set up in March 1950 by the Government of India and was entrusted with the over-all assessment of resources and planning for economic and social welfare. Chapter XXXVI of the Planning Commission's Report outlines an approach to matters of social welfare in India.

There is no system of giving cash relief in India that corresponds to the programmes of Public Assistance of various countries.

The Employees' State Insurance Act when fully implemented will benefit three million industrial workers in the country in the matter of injury, ill-health, etc.

The Employees Provident Fund Bill was passed early in 1952. This measure covers 1.6 million industrial workers.

Matters regarding health services have been covered in detail by the Bhore Committee Report, those concerning Labour are dealt with under a separate section in this book.

The question of traffic in women and children has received the attention of the Government but in the absence of adequate legislation and rehabilitation services, an abolitionist policy has not been enforced on a country-wide basis. Some of the larger cities have programmes dealing with prostitution to private agencies. Those co-operating with the Government in this work are given government grants-in-aid. The work of the Vigilance Association of Madras and Bombay is an example of the co-operative effort of Government and voluntary agencies.

Minimum standards for conditions in prisons are not laid down for the country as a whole. However, in 1952, an All Indian Conference of the Inspectors-General of Prisons was convened in Bombay under the Chairmanship of Dr. W. C. Reekless, a U.N. Expert on Criminology and Correctional administration. The Conference has made several important recommendations in regard to the revision of the Jail Manuals. In this connection, certain important recommendations have also been made by the Planning Commission.

The Ministry of Education of the Central Government has recently sought to formulate a co-ordinated programme to tackle juvenile delinquency. The plan is to include Juvenile Courts, Remand Homes, Schools and a probation and parole system. A Children's Act to be

applied to centrally administered part C States is on the anvil.

An All India Society for the Prevention and Treatment of Crime was established in 1950 with Lucknow as its headquarters.

The average annual expenditure visualised in the First Five Year Plan under social education is of the order of Rs. 3.02 crores. The All India Adult Education Association is the Central Co-ordinating agency in this field.

Anti-beggary acts have been passed in Madras, Uttar Pradesh, Hyderabad, Travancore-Cochin, West Bengal, Mysore, Madhya Pradesh, and the Punjab. Institutional care for beggars is provided in a few of the States to a very meagre extent.

The Government of India are keenly aware of the special difficulties and problems of the 19 million tribal people in India. In accordance with the Constitution, a Special Officer for Scheduled Castes and Tribes has been appointed by the President. For an interim period of ten years special reservations in the legislature and the services have been made for members of Scheduled Castes and Tribes. An expert committee of the Indian Conference of Social Work published a memorandum in 1952 making several recommendations on Tribal Welfare. The Backward Class Commission appointed in 1953 is to prepare the schedule and a sum of Rs. 28.9 crores has been provided in the Plan for the amelioration of the Scheduled Castes and Tribes.

Rural reconstruction work has been entrusted to the State governments. Notable among these projects is the U.P. Government rural development programme in Etawah and another in Sholapur in Bombay State. A rural Firka Development project is under way in Madras. The Governments of Assam and Bombay have also implemented rural reconstruction schemes.

The Central Government Ministry of Education opened a Rural Janata College near Delhi; this is an experiment in acquainting rural workers with newer techniques and methods of work in consonance with the particular local setting. The Kasturba Gandhi National Memorial Trust has a country-wide network of women and child welfare centres in the rural areas, which comprised over 18 training centres, 57 medical centres and 200 rural welfare centres.

The Social Welfare section of the Planning Commission and the Central Social Welfare Board proposed under the Plan are expected to meet the need for research and furnish information to some extent. A provision of Rs. 50 lakhs has been made in the Plan for research and investigations relating to social, economic and administrative problems of national development amongst the voluntary organisations. The Indian Conference of Social Work seeks to fulfil this need.

The following tables quoted from "An Essay on National Income and Expenditure in India" by Dr. B. Natarajan of Madras, illustrates the budgetary provisions in Part A States in regard to social services:

State	1938-39			1949-50			Increase in No. of times	
	Amount (000)	Per cent to Total	Per Capita	Amount (000)	Per cent to Total	Per Capita	Amount	Per Capita
			Rs. a. p.			Rs. a. p.		
Madras	3,86,89	24.03	0 13 0	12,93,12	23.23	2 6 5	3.38	2.96
Bombay	2,63,61	20.59	1 4 7	12,96,36	24.74	5 9 4	4.02	4.34
Madhya Pradesh	76,82	16.31	0 7 6	3,79,90	20.21	2 1 5	4.95	4.46
Uttar Pradesh	2,60,35	21.04	0 8 0	10,17,92	18.31	1 11 5	3.78	3.43
Bihar	1,05,82	21.48	0 4 9	3,17,80	16.57	0 12 11	3.00	3.56
Assam	59,41	19.84	0 9 6	1,98,36	20.83	1 12 9	3.34	3.03
Orissa	36,55	20.19	0 6 10	1,38,63	16.82	1 7 5	3.79	3.43
Punjab	2,34,30	20.18	0 14 0	2,56,67	11.20	2 3 7	1.10	2.54
West Bengal	2,51,74	19.72	0 7 1	7,23,57	22.06	3 6 10	2.89	7.74
TOTAL	16,84,39	20.92	0 9 9	56,25,23	20.40	2 4 4	3.34	3.73

Expenditure allocated to social service and rehabilitation under the First Five Year Plan is 20.5 per cent of the total provision for the plan, as shown below (figures in crores):

Central Govt.	Part A States	Part B States	Part C States
191.4	192.3	28.9	10.4

VOLUNTARY SOCIAL WORK

The groups of voluntary social work in India largely fall under the following heads: State Administrators and officials; Trained or Professional social workers; Missionaries; The Gandhian social workers; and Voluntary social workers belonging to the various private agencies.

Of these the religious believe in the traditional form of charity; the Missionaries in institutionalised social work, the Gandhian in the 14-point constructive programme, and the other voluntary workers in secular service on humanitarian grounds.

The group of professionally trained social workers is small though more compact. This group consists of some 500 alumni and teachers of the four post-graduate schools of social work in India, viz., The Tata Institute of Social Sciences in Bombay, Delhi University School of Social Work, the Faculty of Social Work of the M. S. University of Baroda and the section on Social Sciences in Shri Kashi Vidyapeeth, Banaras. In the last mentioned institute the medium of instruction is Hindi.

The establishment of the Indian Conference of Social Work at a meeting of over 450 social workers assembled in Bombay in November 1947 marks a significant development in the field of social work in India. The Conference undertakes and promotes the study of social problems and endeavours to foster co-operation, collaboration and co-ordination amongst social service agencies in India and abroad.

Other All India social service bodies working are mentioned below:—

Child Welfare

Balkan-Ji-Bari ('Gulistan', Khar, Bombay 21); Society for the Protection of Children in India (2-B, Camac Street, Calcutta); Indian Council for Child Welfare, 5, Sikandra Road, New Delhi.

Youth Welfare

Y.M.C.A. (5, Russel Street, Calcutta); Y.W.C.A. (37, Cantonment Road, Lucknow, U.P.); Bharat Scouts and Guides Association (Regal Building, Parliament Street, New Delhi).

Women's and Family Welfare

All India Women's Conference (41, Queen's Barracks, Foreshore Road, Fort, Bombay 1); Family Planning Association of India (Morarji Mansion, Darnabsha Road, Bombay 26); National Council of Women in India (C/o Mrs. Sarladevi Sarabhai, 'Retreat', P.O. Shahibaug, Ahmedabad).

Health

Tuberculosis Association of India (20, Talkatora Road, New Delhi); Indian Red Cross Society (20, Talkatora Road, New Delhi 2); All India Cancer Prevention Society (Tata Memorial Hospital, Parel, Bombay); Hind Kushi Niwaran Sangh, (20, Talkatora Road, New Delhi).

Rehabilitation of the Handicapped

Convention of the Teachers of the Deaf in India (50, Bondel Road, Ballygunj, Calcutta); All India Light House for the Blind (89, Elliot Road, Calcutta); National Association for the Blind (Victoria Memorial Blind School, Tardeo, Bombay 7).

Rural Welfare

Sarva Sewa Sangh (Maganwadi, Wardha M.P.); India Village Service (10, Mall Avenue, Lucknow, U.P.).

General Social Welfare

Servants of India Society (Poona 4); Ramkrishna Mission (Belur, Dist. Howrah); Gandhi Memorial Fund (C/o Govt. House, New Delhi); Salvation Army (Moreland Road, Bombay 8); Friends' Service Unit (1, Upperwood Street, Calcutta); All India Seva Samiti, Seva Samiti Building, Allahabad.

Rural Women's Welfare

Kasturba Gandhi National Memorial Trust (Kasturbagram, Indore, Madhya Bharat).

Relief and Rehabilitation

United Council of Relief and Welfare (Govt. House, New Delhi).

Social Education

Indian Adult Education Society (7, Faiz Bazar, Delhi); Nai Talim Sangh (Wardha M.P.); Jamia Milla (Okhla, Delhi).

Welfare of Under-Privileged Groups

Harijan Sewak Sangh (Kingsway, Delhi); Bhartiya Adimjati Sevak Sangh (Kingsway, Delhi).

Social Defence

All India Crime Prevention Society (Behari Niwas, Kanpur, U.P.); Association for Moral and Social Hygiene in India (Room No. 212, 'P' Block, Raisina Road, New Delhi).

The national organization for the co-ordination of welfare services is the Indian Conference of Social Work located at 8/A, Cooperage, Bombay 1.

There is also a South-East Asia Regional Office of the International Conference of Social Work which has been established in conjunction with the Indian Conference of Social Work in Bombay.

The Government of India have given evidence of their interest in social work by setting up in the Planning Commission a special section for social services. In 1950 the Ministry of Education, Government of India, appointed an All India Social Welfare Advisory Board to give advice on important matters pertaining to social welfare work in the country.

In March 1953 an All India Conference for the improvement of the conditions of the former Criminal Tribes was held in New Delhi; the Central Government announced a grant of Rs. 30 lakhs for this work.

Towards the work of Child Welfare the UNICEF voted a grant of 1,370,000 dollars to India. The total allocation to India amounts to 8½ million dollars.

The Ford Foundation have established 34 training centres for the multi-purpose village level workers.

In the field of training in social work, the Government of India set up a committee for standardisation of courses in social work at the

post-graduate level. This was followed up by the Indian Conference of Social Work which appointed a Committee representative of the four post-graduate schools of social work and a few prominent voluntary workers to recommend courses in social work to suit the needs of the country at different levels and different settings.

The following institutions already afford training at the post-graduate level:—

1. The Tata Institute of Social Sciences (105-9, Ghodbunder Road, Andheri, Bombay).
2. The Delhi School of Social Work (3, University Road, Delhi 8).
3. The Faculty of Social Work (The M.S. University of Baroda, Baroda).
4. The Institute of Social Sciences (Shri Kashi Vidyapeeth, Banaras Cantt., U.P.).

GOVERNMENT GRANTS

Grants totalling Rs. 8,60,000 have been approved by the Central Social Welfare Board to 239 institutions all over India as the first instalment of assistance which the Board proposes to provide to voluntary welfare organisations in the country.

Grants have been made for different types of social welfare work, including welfare of women and children, of delinquents and the physically and mentally handicapped and for general welfare activities.

Out of the Rs. 8,60,000 approved by the Board, Rs. 2,08,000 has gone to 60 institutions for the welfare of handicapped and delinquent children, Rs. two lakhs to 57 institutions for the welfare of women, Rs. 58,000 to 47 institutions for the welfare of children and the balance of Rs. 2,94,000 to 75 institutions carrying on general welfare activities.

In making the grants, the Board has emphasised that the assistance is mainly intended for the improvement and expansion of welfare activities. They are being made for programmes extending over a period of one year.

For future years, grants will depend upon applications received on satisfactory reports from institutions which have already received aid.

In considering applications for assistance the Board has been guided by certain general principles, namely:

A. Direct assistance to programmes of welfare should receive maximum attention;

B. Care should be taken to see that all parts of the country are properly served and under-developed areas are brought to a level, as far as possible, with the rest of the country;

C. Grants should normally be made on a matching basis, that is, on condition that the grant sanctioned by the Board will not be available unless the applicant organisation manages to raise a certain percentage from other sources; and

D. In sanctioning grants, the Board should pay due regard to the nature and scope of the programmes, the problems to be tackled, the nature and extent of participants to and beneficiaries of the programme, the extent and sources of existing income and the development potential of the organisation and its programme.

WOMEN'S MOVEMENT

ALL-INDIA CONFERENCE FOR WOMEN

Address : No. 6, South Avenue, Delhi.

Office Bearers (1953-1955):

President : Benuka Ray.

Vice-Presidents : Luxmi Menon ; Indrabal Holkar ; Raksha Saran ; K. Kuppaswamy ; Kiti Shiva Rao ; Mithan Lam.

Hon. Gen. Secretary : Indira Maydeo (750/31, Deccan Gymkhana, Gopikashram, Poona 4).

Hon. Treasurer : Mrs. M. S. H. Jhabwala.

There are branches in :

Ajmere, Andhra, Assam, Baroda, Bengal Central, Bengal West, Berar, Bhavnagar, Bhopal, Bihar, Bombay, Calcutta, M.P. North, M.P. South, Cochin, Delhi, Gujarat, Gwalior, Hyderabad, Indore, Jath, Junagadh, Karnatak, Kolhapur, Konkarn, Madras, Maharashtra, Malabar, Mysore, Orissa, Phaltan, East Punjab, Rajasthan, Sangli, Tamilnad, U.P. Agra, U.P. Oudh.

Most of the branches run maternity and child welfare clinics, medical centres, industrial centres, primary and adult education centres, co-operative stores.

These branches organized Assam Earthquake Relief Funds. Jamshedpur started a hospital for leper parents' children and also a home for them.

Assam launched an anti-untouchability movement, restrained child marriages and rendered relief to refugees from East Pakistan.

The Calcutta branch runs a college, Women's Hostel, Harijan Bal Mandir and Clinic and Cultural Club.

The North M. P. branch has built an A I W.C. Hall, runs Raj Kumari Bal Orphanage and Charkha Sangh Centre.

The Gharat branch runs a monthly bulletin called 'Diplika'.

The Madras branch organized an anti-Cancer Campaign.

The Maharashtra branch runs Rashtrabhasha classes, toy-making, sewing and embroidery classes, a mobile dispensary, a Family Planning clinic, a milk centre, a Patients' Aid Boxes, first aid and ambulance classes and village uplift work.

In Bombay a van is being run at Sanjan Taluka at a cost of Rs. 1,000 a month. The average number of patients is 500.

The Bombay branch runs free reading rooms and libraries, women's clubs, and organizes excursions.

The Bombay branch organized and collected funds for Ex-servicemen's Day, the Mahatma Gandhi Fund and the Red Cross Fund.

Most of the branches organized baby shows, and carried on a campaign in favour of the Hindu Code Bill.

NATIONAL COUNCIL FOR WOMEN IN INDIA

This body is affiliated to the International Council of Women.

Address : Western House, C Block, Curzon Road, New Delhi.

Office bearers :

President : Saraladevi Sarabhai ; Chairman : Mrs. M. Sahgal ; Vice-Chairman : Lady E. Russell ; Hon. Treasurer : Mrs. S. Ramall ; Hon. Gen. Secy. : Mrs. D. N. Wadia ; Hon. Jt. Secy. : Mrs. P. Kalhan ; Organising Secy. : Mrs. Anima Bose ; Editor of Bulletin : Mrs. L. Phadke.

There are branches in :

West Bengal, Bihar, Bombay, Delhi, Madhya Pradesh, Uttar Pradesh, Orissa, Assam, Jamshedpur, Lucknow, Simla, Jaipur.

The affiliated bodies are :

National Y.W.C.A., All-India Girl Guides' Association, Trained Nurses' Union, Association for Moral and Social Hygiene.

The work of the Council is carried on through a number of Standing Committees, namely Child Welfare, Village Welfare, Trades and Professions, Legislation, Press and Bulletin, Cinema and Broadcasting, Education and Social Entertainment, Relief and Rehabilitation, Housing and Health and Hygiene.

Special committees are appointed whenever necessary and a conference of all the affiliated societies is held biennially.

A monthly bulletin is issued from Bombay in which a survey of the social work done by the various organizations in India as well as news from the International Council and from National Councils all over the world is given.

UNITED WOMEN'S ORGANIZATIONS

Address : 1A, Mafatal Park, Warden Road, Bombay 26.

Office bearers :

President : Shrimati M. D. Bajpal.

Vice-Presidents : Mrs. G. R. Billimoria ; Mrs. Taraben Premchand ; Mrs. Mithan Lam.

Hon. Secretaries : Mrs. M. S. H. Jhabwala ; Mrs. Lilavati Banker ; Mrs. Indu P. Joshi.

Hon. Treasurers : Lady Duggan ; Mrs. Vidyaben M. Munim.

Chairman : Mrs. Jalshree Rajji.

Ninety women's organizations are affiliated to the United Women's Organizations. Any women's organization with a membership of 75 can become a member of the United Women's Organizations.

During the year 1953 a sum of Rs. 1,000 was sent to the Madras Governor's Fund by way of help towards the famine in Rayalaseema, Andhra State, Rs. 500 was given through the Chairman of the Village Panchayat at Dehisar in Bombay State. A sum of Rs. 500 was donated towards the rebuilding of the houses of the Harijans damaged by heavy rains in the Panchmahal District.

The U W O also donated a sum of Rs. 4,854 to the Bombay State Central Relief Committee in 1953.

As there were frequent Satl cases a letter was sent to the Minister of Home Affairs, Government of India, requesting him to take necessary steps to stop the occurrence of such cases in the future.

The Committee helped in the Flag Day collection.

The Women's saving Week was organized by U.W.O.

Twenty meetings were held in different parts of Bombay City. As a result of this Rs. 50,300 were collected, and promise and slips totalling Rs. 31,000 were in hand.

BOMBAY WOMEN'S RELIEF COMMITTEE

Address : 1A, Mafatal Park, Warden Road, Bombay 26.

Office bearers :

Chairman : Mrs. Taraben Premchand.

Hon. Treasurer : Mrs. Lilavati Banker.

Hon. Secretary : Mrs. Kulsum Sayani.

During 1953 a sum of Rs. 15,380-15-0 was invested in Government of India 3 per cent Loan 1953/55 of the face value of Rs. 15,000. The remaining balance as well as the interest accrued till then was utilised for giving scholarships to various students mostly from displaced families studying in Medical Colleges.

The committee spent Rs. 4,317-9-0 by way of scholarships from January 1, 1948 to December 31, 1952.

BOMBAY PRESIDENCY WOMEN'S COUNCIL

Address : Town Hall, Bombay 1.

Office bearers :

President : Mrs. Shehara F. D. Nanavati.

Vice-President : Mrs. Meenakshi D. S. Bakhle ; Hon. Treasurer : Mrs. Padmavati R. Saraiya ; Hon. Secretary : Mrs. Shera S. Oomrigar.

There are branches in Ahmedabad, Belgaum, Dharwar, Poona and Sholapur.

Thirty-three societies are affiliated to the B.P.W.C.

There are sub-committees for :

Finance, Rescue, Home Industries Depot, Labour, Parliamentary Affairs, Beggar Problem, Literary Affairs and Education, Children's Holiday Library, Health, Haj and Entertainment.

During 1952-53, a Child Welfare conference was organized. The Finance Committee organized the Annual Ball and collected Rs. 20,000. Out of this sum Rs. 10,000 was handed over to the Collector of Bombay, President of the Soldiers', Sailors', and Airmen's Board for the benefit of the widows of the men of the Army, Navy and Air Force.

A puppet show brought a sum of Rs. 1,900.

The Rescue Home Committee gave shelter to 188 women and taught them handicrafts. A class in Hindi was conducted, domestic employment was found for the inmates. The Council also gets them married. The total expenditure on the home was Rs. 22,760, while total donations and grant-in-aid amounted to Rs. 18,842.

The Home Industries Depot sold articles made by women.

The Labour Committee continued its welfare work at the Matunga Labour Camp. There is a nursery school where children are given milk and refreshment during school hours. The Council conducts the affairs of the Scheduled Caste Consumers Co-operative Society at the Labour Camp. The total expenditure on the Labour Camp was Rs. 8,035 while donations received amounted to Rs. 2,220.

The Parliamentary Sub-Committee made an effort to educate the public in the rights and obligations of the citizen. A series of talks were organized to educate women as to their rights and duties under the Constitution.

A free legal aid bureau was started and free legal advice was given.

Regular treats were given to children in the various beggar homes.

The Education and Literary committee conducted classes for handicraft and sewing in the servants quarters of the Cama and St. George's Hospital.

The council runs 11 classes in various parts of Bombay City.

The committee spent Rs. 1,339 during the year on education.

The Children's Holiday Library Committee opened two libraries during the summer vacation. The attendance was 25,068 at the Chowpatty centre, and 10,176 at the Matunga centre.

The Health sub-committee opened two play centres.

A child welfare conference was organized at Poona. The Poona branch also organizes lectures, dramatics and members also work at Remand Homes.

The Dharwar branch organized a baby show.

The Ahmedabad branch ran a creche.

The Council organized Box collections on Cancer Day and Flag Day.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION

This is an international organization with the headquarters in Geneva.

Office bearers :

President : Rani Maharaj Singh.

Vice-Presidents : Mrs. John Mathai ; Miss Raj Kumari Amrit Kaur ; Mrs. A. N. Shukla ; Mrs. A. Asarlah.

Treasurer : Miss Whiting.

National Gen. Secy. : Miss O. Lawrence.

There are branches in north India at :

Agra, Allahabad, Naini Tal, Lucknow, Kanpur, Moradabad, New Delhi, Simla, Pathankot.

There are branches in Tamilnad at :

Coonoor, Ootacamund, Vellore, Colmbatore, Muthural, Nazareth, Calicut, Alleppey, Cochin, Ernakulam, Kottayam, Quilon, Trichur, Trivandrum, Hyderabad and Secunderabad.

In western India there are branches at :
Bombay and Poona.

In Madhya Pradesh there are branches at :
Jabalpur, Nagpur, Bilaspur and Katni.

In West Bengal there are three branches.
In Orissa, Bihar and Assam there are two.

The Y.W.C.A. has hostels, educational, recreational and service projects.

The Calcutta Y.W.C.A. runs an industrial and welfare centre.

In Travancore the Y.W.C.A. carries on work in rural areas where they help women with cottage industry.

The association runs commercial schools, an employment bureau, secretarial and business training classes.

Cultural activities include classes in Hindustani, dress making, cookery, handicrafts, first aid, home nursing, Indian ballroom and folk dancing, talks and lectures of topical interest.

Social service includes hospital workers' and nurses' club, nursery school, women's classes, crèche and hostels, sport, recreation and library.

FEDERATION OF UNIVERSITY WOMEN IN INDIA

Address : c/o Mrs. Perin Naterwalla, Windsor House, Churchgate Reclamation, Bombay 1.

Office bearers for 1953-55 :

President : Miss Amy B. H. J. Rustomjee.

Vice-President : Mrs. Raksha Soran.

Hon. Treasurer : Mrs. D. D. H. Baria.

Hon. Gen. Secy. : Mrs. Perin Naterwalla.

There are branches (organized on University basis) in :

Bombay, Madras, Nagpur, Delhi, Lucknow, Allahabad and Guntur.

One of the chief aims of the Indian Federation is to assist deserving students to pursue their studies.

The Delhi branch conducts an adult literacy class.

The Madras and Delhi branches have collected money for general relief work.

The Lucknow branch has been fighting for accommodation for women students and working women.

The Bombay and Allahabad branches are conducting surveys of the working and living conditions of women graduates.

Most branches have organized study circles, debates, Brahm Trust meetings, lectures and musical evenings.

BOMBAY PRESIDENCY WOMEN GRADUATES' UNION

This is the Bombay Branch of the Federation of University Women in India.

Address : c/o Mrs. Dolly Masani, 146, Queen's Road, Bombay 1.

Office bearers :

President : Miss Amy B. H. J. Rustomjee.

Vice-Presidents : Mrs. Deena Ahmadullah ; Mrs. G. Kimber.

Hon. Treasurer : Dr. Mrs. N. F. Vali.

Hon. Secretaries : Mrs. Dolly Masani ; Miss D. M. Siddhu.

There were talks by members of the Moral Rearmament Team and lectures on social welfare work.

Members participated in international conferences held in India on Planned Parenthood, child welfare and social work.

A. V. W. study grants and International Fellowships were awarded to a number of university women in India.

The donations received in 1953 amounted to Rs. 1,500.

BHAGINI SAMAJ

Address : Bhagini Samaj, Maganlal Gha Bldg., 225, Khetwadi Main Road, Bombay 4.

Office bearers :

President : Mrs. Lilavati Banker.

Secretaries : Mrs. Bachuben Lotwala ; Mrs. Chanchalben Gha.

Treasurers : Mrs. Vidyaben Munim ; Mrs. Bhanumati Kanla.

There are branches in :

Mandvi, Bhulesvar, Tardeo and Bellasis Road.

Harjan welfare centre conducted by the Samaj has a crèche, a nursery school, women's literacy and industrial classes, a young men's club, and a hostel for adival and backward class girls at Udwarda.

At all centres regular language classes in Hindi, Gujarati and English are conducted, and special training is given in tailoring, embroidery and fancy work. Typing classes are conducted at the headquarters at Khetwadi.

Balmundris are established at various centres to cater for the educational and cultural needs of little children between three and six years.

A dance academy is in being as well as a hostel for working women and a health centre.

Scholarships are also given to students.

The Samaj has its own volunteer corps of women.

SIR RATAN TATA INDUSTRIAL INSTITUTE

Address : Hughes Road, Bombay 7.

Office bearers :

President : Lady Nawajbai Ratan Tata.

Vice-President : Lady Jerbai S. Billimoria.

Hon. Gen. Secy. : Mrs. Dinbal F. S. Patak.

Hon. Treasurer : Miss Manjesh S. Captain.

The Sir Ratan Tata Industrial Institute founded in 1928 by the Trustees of Sir Ratan Tata is a unique centre raised to the memory of an illustrious member of the famous House of Tata.

For 25 years, this Institute has helped to partially solve the problem of poverty and distress among Parsi families from the lower income groups, by encouraging girls and women to earn a living through suitable industries.

The average number of women employed during 1953 was 197, the wages paid Rs. 1,03,857.

The amenities provided were : towards meals, Rs. 27,741 ; towards conveyance, Rs. 3,117 ; bonus, Rs. 14,889 ; prizes, Rs. 910.

The departments run by the Institute are : Catering, confectionery, laundry, dyeing, hand embroidery, machine embroidery, dress making and sewing.

HINDU LAW REFORM

A short note on Hindu Law reform is in order as it concerns the welfare of the women of this country.

As a result of increasing consciousness on the part of Indian women of their social and political status, there has in recent years been a move to revise and codify the somewhat vague and contradictory law governing the Hindu home, especially as it affects marriage, divorce, succession to property, etc.

In 1937 the Indian Legislature enacted the Hindu Women's Rights to Property Act. This Act, for the first time, gave to Hindu widows a right to claim a share in the husband's property and demand partition.

Four years later the Government of India set up a Committee to overhaul and codify the Hindu Law. This Committee, which is known as the Rau Committee, drafted two bills dealing with Hindu intestate succession and Hindu marriage.

When the measures came up for consideration by the two Houses of the Central Legislature, a joint committee of the Houses recommended the revival of the Rau Committee with a view to the codification of the entire Hindu Law. Consequently the Rau Committee was revived early in 1944. During 1944-45, the Committee made a tour of the country and elicited public opinion on the proposals embodied in the two measures and on the codification of the Hindu Law as a whole. They gathered evidence from leading lawyers and representative organisations of various shades of Hindu opinion on a draft Hindu Code prepared by them.

During the last five years, the Central and the Provincial Legislatures passed various Acts, which aimed at improving the condition of Hindu women.

The Hindu Marriage Disabilities Removal Act of 1946, legalises marriages between Hindus belonging to the same Gotra or Pravara.

The Hindu Married Women's Right to separate residence and maintenance Act of 1946 enables a married Hindu woman to claim from her husband separate residence and maintenance on certain grounds.

The Hindu Marriage Validating Act, 1949 removes the caste-barriers from the sphere of marriages and validates even the Pratiloma marriages.

The Child Marriage Restraint (Amendment) Act of 1949 raises the marriage age of girls from 14 to 15 years.

In the State of Bombay, monogamy is made a rule by the Prevention of Hindu Bigamous Marriage Act of 1946, and dissolution of marriages by divorce is allowed under certain conditions by the Bombay Hindu Divorce Act of 1947.

The Madras Legislature passed the Madras Devadasis (Prevention of Dedication) Act in 1947. This Act puts an end to the unhealthy practice of dedicating Hindu women as 'devadasis' to Hindu deities.

Bombay Hindu Women's Right to Property Act (Extension to Agricultural Land) extends the application of the Hindu Women's Right to Property Act, 1938 to agricultural land also. A similar law has been passed in Madras.

Though the Hindu Code Bill has been dropped, the Government of India have introduced in Parliament Bills affecting Hindu Law.

The special Marriage Bill of 1951 seeks to replace the Special Marriage Act of 1872, with a view to removing certain defects in the Act.

The Hindu Marriage and Divorce Bill of 1952 aims at laying down a uniform law regarding marriage and divorce for all Hindus.

The Hindu Minority and Guardianship Bill of 1953 seeks to regularise the law regarding guardianship.

A private member of Parliament has introduced in the House a bill aiming at the abolition of the dowry system.

The Government of Bombay have introduced a Bill in the Legislative Assembly, providing for registration of marriages.

In the state of Madras, there is an Act preventing bigamous marriages and providing for divorce. The Act is called The Madras Hindu (Bigamy Prevention and Divorce) Act.

A bill has also been introduced in the Legislative Assembly of Madhya Pradesh, aiming at preventing bigamous marriages.

THE CO-OPERATIVE MOVEMENT

THERE were 181,189 societies of all types at the end of 1950-51 as against 173,084 societies at the end of 1949-50. In the same period, the membership of primary societies rose from 12.6 million to 13.7 million covering 19.1 per cent of the population. The total working capital of all types of societies showed a sizable increase from Rs. 233.10 crores to Rs. 275.85 crores.

There has been a marked increase in the loans advanced by Primary societies, from Rs. 60.88 crores to Rs. 72.08 crores in Part 'A' States and from Rs. 10.49 crores to Rs. 11.78 crores in Part 'B' States mainly because of the large funds made available by the Reserve Bank. Overdues showed a downward trend from 12.6 per cent at the close of 1948-49 and 12.5 per cent at the end of 1949-50 to 11.7 per cent at the close of 1950-51. Still overdues were heavy in Bhopal (90.5%), Manipur (61%), Vindhya Pradesh (54.7%) and Jammu and Kashmir (45%).

At the apex level the increased demand for funds was met out of increased borrowings from the Reserve Bank, Governments and commercial banks which in all amounted to Rs. 8.34 crores as against Rs. 5.32 crores in the previous year.

The year also saw the establishment of an apex bank in Vindhya Pradesh.

Individual support to co-operative institutions was perceptible in the case of central banks which derived 67 per cent of their deposit from individuals and other sources excluding co-operatives.

A feature of primary agricultural credit societies was the fall in their number and the rise in their membership.

Overdues also showed a rise but were heavier in Bhopal (99.6%), Vindhya Pradesh (58%), West Bengal (57.2%), Jammu and Kashmir (54.5%), and Assam (46.5%).

Out of their total advances of Rs. 20.13 crores, Rs. 16.84 crores were accounted for by societies in Madras and Bombay.

The composition of working capital revealed a high degree of dependence of primaries on central financing agencies, owned funds and deposits representing 42 per cent and 11 per cent of the working capital.

In some cases the rates of interest are as high as 15 per cent (as in Uttar Pradesh and Bihar).

Co-operative Societies in the long-term credit sector are most unevenly distributed among different States. More than one-half of the States, including many Part 'B' and 'C' States have no land mortgage banks at all. And out of a total of 286 primary land mortgage banks for the whole country, as many as 129 are in Madras alone. Again out of Rs. 133 lakhs lent in 1950-51 by central land mortgage banks, 62 per cent was attributable to the Madras Central Land Mortgage Bank alone.

Agricultural non-credit co-operatives had a fairly successful record at the primary level. The composition of the working capital of non-agricultural credit societies which amounted to Rs. 56.78 crores showed a large element of deposits (61.8%). Owned funds were the next largest (30.8%) and loans were only 7.4 per cent.

During 1950-51, 3,187 societies were brought under liquidation, while liquidation proceedings came to a close in respect of 4,215 societies.

On June 30, 1951 as many as 8,819 societies were under liquidation. With liabilities amounting to Rs. 217.68 lakhs and assets amounting to Rs. 211.7 lakhs. The year, however, witnessed an increase in profits of as much as 72 per cent over the previous year.

Commenting on the position, the Reserve Bank of India observes: "The Co-operative movement is not evenly spread nor is it of the

same texture and quality everywhere. In some States, there is no State Co-operative Bank at all; in others considerable re-organisation of the apex bank is necessary before it can function efficiently; or again, the central or district banks happen to be weak links in the chain. In almost all cases of undeveloped areas the primary credit structure is not satisfactory.

There are provincial Co-operative Institutes in many States. These are affiliated to the Indian Co-operative Union which in its turn is affiliated to the International Co-operative Alliance.

The Bombay Institute maintains a Co-operative Training College in Poona and regional co-operative schools and arranges training classes. To the Training College are admitted students from all over India under a training scheme of the Reserve Bank.

The movement in each State is administered by the Registrar, who looks to audit and supervision. There is however, a tendency now to delegate powers of audit to federal organizations. Part of supervision is done by Taluka unions.

MAIN FACTS

The main position as at the end of 1951 is as follows:

Total number of Co-operative societies, 181,189; the total number of agricultural societies, 149,568; non-agricultural societies, 28,328.

If we take the average size of an Indian family as 5 this means that about 68.5 million people were served by co-operative society. The percentage of the population served works out at 19.1.

Total membership, 13,715,020; membership of agricultural societies, 8,734,213; membership of non-agricultural societies, 4,980,807.

Total number of Central Societies, 520; of supervisory unions, 537; of provincial and central non-credit societies, 2,236.

Total membership of Central societies, 228,006; membership of supervising unions, 57,082; membership of provincial and central non-credit societies, 1,473,203.

Total number of Agr. Credit Societies, 115,462; number of non-agr. credit societies, 7,810; number of agr. non-credit societies, 33,815; number of non-agr. non-credit societies, 20,618.

Total membership of agr. credit societies, 51,53,907; membership of non-agr. credit societies, 21,77,551; membership of agr. non-credit societies, 33,65,243; membership of non-agricultural non-credit societies, 28,03,256.

Note: All the figures below are in lakhs of rupees.

Working capital (1951 June), 27585.23; Paid-up share capital, 4345.67; Loans to and deposits from members, 2204.81; Loans to and deposits from societies, 1696.73; From Provincial or Central Banks, 4879; From Government, 1189.77; From non-members and other sources, 8330.75; Borrowings of land mortgage banks and societies, 1304.26; Reserve fund, 3654.24.

Loans to individuals, 8657; Loans repaid by individuals, 7266; Loans outstanding against individuals, 8336; Loans overdue from individuals, 978.

LAND MORTGAGE BANKS

The position about central land mortgage banks is as follows (Rs. in lakhs):

No. of banks, 5; no. of individual members, 9,450; no. of bank members, 398; share capital, 31.84; funds, 23.35; working capital, 772; loans due at end of year, 597.8.

The position about primary land mortgage banks is as follows: no. of banks, 286; no. of members, 2,15,063; share capital 52.51; funds, 16.20; working capital, 666.7; loans due at end of year, 626.4.

CENTRAL FINANCING AGENCIES

The Central financing agencies are of two types, the central bank at the headquarters of a district and the provincial bank at the headquarters of the State.

The position about provincial banks is as follows (Rs. in lakhs): No. of provincial banks, 15; no. of offices, 127; no. of individual members, 8266; no. of banks and societies which are members, 12,066; share capital 157.98; reserve fund, 110.5; bad debt reserves, 51.4; other funds, 59.88; working capital, 3442.07; loans to individuals, 772.90; loans to societies, 3,440.4; investments, 1143.

The rate of interest on borrowings and lendings varies from State to State.

The position about central banks (Rs. in lakhs): No. of banks, 505; no. of offices, 759; share capital, 403.9; reserve fund, 242.2; bad debts reserve, 90.0; other funds, 141.1; working capital, 5637; no. of individual members, 99,592; no. of banks and societies which are members, 1,07,482; loans advanced to individuals, 760; loans to societies and banks, 7524.1; investments, 1413.

The rate of interest on borrowings and lendings varies from State to State.

NON-AGRICULTURAL CREDIT SOCIETIES

The position about the non-agricultural credit societies is as follows (Rs. in lakhs):

No. of societies, 7810; number of members 2177.6 lakhs; share capital, 1212.3; funds 541.1; working capital 5678; loans due at end of year, 4051; value of goods marketed, 710.

NON-CREDIT MOVEMENT

The position about the provincial non-credit societies (marketing unions) is as follows (Rs. in lakhs):

No. of societies, 12; no. of individual members, 1247; no. of societies which are members, 2,210; share capital, 13.94; funds, 68.29; working capital, 617.61; goods sold, 941.48.

The position about other provincial non-credit societies (whole-sale stores and supply unions) is as follows:

No. of societies, 4; no. of individual members, 225; no. of societies which are members, 501; share capital, Rs. 24,888; funds, Rs. 1,141; working capital, Rs. 0.63 lakhs; goods sold Rs. 10.59 lakhs.

The position about yet other provincial non-credit societies (industrial unions) is as follows (Rs. lakhs):

No. of societies, 9; no. of individual members, 2420; no. of societies which are members, 1,063; share capital, 15.91; funds, 6.35; working capital, 142.68; goods sold, 478.85.

The position about the rest of the provincial non-credit societies is as follows (Rs. in lakhs):

No. of societies, 10; no. of individual members, 5,815; no. of societies which are members, 6587; share capital, 6.55; funds, 49.02; working capital, 113.72; goods sold, 701.12.

CENTRAL NON-CREDIT SOCIETIES

The position is as follows (Rs. lakhs):

Total no. 2201; no. of marketing unions or federations, 1905; whole-sale stores and supply unions, 74; industrial unions, 91; milk unions, 49; other types, 82; no. of individual members, 14,06,907; no. of societies which are members, 46,228; paid-up capital, 206.08; funds, 329.94; working capital, 12,44.67; goods sold, 8607.01.

AGRICULTURAL NON-CREDIT SOCIETIES

Total no. of societies, 33,815; purchase and sale societies, 10,717; production and sale societies, 5,988; production societies, 11,956;

social services societies, 5142; housing 62; no. of members, 3965.2 lakhs; share capital, Rs. 4568.3 lakhs; funds, Rs. 3431.2 lakhs; working capital, Rs. 1654 lakhs; loans made during year, Rs. 1062 lakhs; value of goods sold, Rs. 55,00 lakhs.

NON-AGRICULTURAL NON-CREDIT SOCIETIES

Total no. of societies, 20,518; purchase and sale societies, 8417; production and sale societies, 6423; production societies, 836; social services societies, 3,206; housing societies, 1618; insurance, 23; no. of members, 2.8 lakhs; share capital, Rs. 949 lakhs; funds, Rs. 679 lakhs; working capital, Rs. 3522 lakhs; value of goods sold, Rs. 652 lakhs.

INSURANCE SOCIETIES

The position of life insurance societies is as follows (Rs lakhs):

No. of societies, 16; no. of members, 153,319; no. of policies, 132,002; sum assured, 1625; premium income, 82.16; life fund, 842.06; assets, 376.30; cost of management, 14.27.

SUPERVISING UNIONS

The position about supervising unions is as follows:

No. of unions, 518; societies affiliated, 27,881; individual members of societies affiliated, 22.20 lakhs; working capital of affiliated societies, Rs. 2958 lakhs.

The position about provincial unions and institutes is as follows:

No., 19; primary affiliated societies, 27,319; central affiliated societies, 648; individual members, 1228; expenditure in 1950-51, Rs. 9.46 lakhs.

FIVE-YEAR PLAN

Total allotment—Rs. 7.11 crores.

It is estimated that by 1956 short-term agricultural credit by the Reserve Bank and the Central Government would amount to Rs. 100 crores per annum.

For training and experiments in co-operative farming: Rs. 50 lakhs by Centre.

To supplement long-term resources of the co-operative movement. Rs. 5 crores by Centre.

For starting colleges for training in co-operation: Rs. 10 lakhs.

Two recommendations are:

In urban areas subsidy should be paid to State Governments to build workers' quarters. The subsidy may be upto 50 per cent of the total cost.

Loans to co-operative housing societies for industrial workers upto 37½ per cent of the net cost.

FINANCIAL STRUCTURE

The total working capital in the movement on June 30, 1951 was Rs. 275.85 crores, composed of owned funds 29 per cent, deposits 40.8 per cent, debentures 2.5 per cent, and loans 25.4 per cent (co-operative institutions 15.8 per cent, Government 4.2 per cent and other sources 4.3 per cent).

This working capital was spread among different types of institutions as under.—

Institutions	No.	Working Capital (Rs. in lakhs)
Provincial Banks ..	15	34.42
Central Banks and Banking unions	506	56.37
Primary Agricultural Credit Societies ..	1,15,462	40.96
Primary Non-Agricultural Credit Societies ..	7,810	56.78
Credit—Total ..	1,23,792	188.53
Provincial non-credit Societies	35	8.75
Central non-credit Societies	2,201	12.45
Primary Agricultural non-credit Societies ..	33,815	16.54
Primary non-agricultural non-credit Societies ..	20,518	35.22
Non-credit—Total ..	56,569	72.96
Central Land Mortgage Banks	5	7.72
Primary Land Mortgage Banks	286	6.66
Land Mortgage —Total	291	14.38
GRAND TOTAL ..	180,652*	275.87†

* 537 Societies are supervisory or educational Societies.

† Rs. 2 lakhs excess due to rounding up of figures to the nearest lakh.

States	CENTRAL										AGRICULTURAL					
	Provincial and Central Banks and Banking Unions		Non-Credit		Central Land Mortgage Banks		Provincial Unions or Institutes		Supervising Unions		Credit		Non-Credit		Primary Land Mortgage Banks	
	No. of Societies	Members	No. of Societies	Members	No. of Societies	Members	No.	Members	No.	Members	No. of Societies	Members	No. of Societies	Members	No.	Members
Part A States																
Madras	32	23,331	74	33,588	1	698	10	1,957	262	11,081	16,330	13,57,760	3,380	6,48,085	129	1,51,459
Bombay	39	52,713	69	38,142	1	764	1	1,083	192	8,107	9,702	7,27,276	1,334	2,97,672	19	20,009
West Bengal	41	11,310	34	3,511	..	..	1	..	..	..	9,523	2,26,374	3,436	2,26,385	3	1,664
Uttar Pradesh	67	25,202	1,562	13,71,744	..	..	..	..	1	108	26,390	8,50,292	5,735	3,82,188	6	948
Madhya Pradesh	42	43,443	4	2,494	..	..	1	55	5	5,923	7,928	1,39,112	981	1,42,098	25	11,750
Punjab	66	14,716	23	1,994	..	..	..	..	..	..	7,157	3,11,166	3,638	2,81,764	..	..
Bihar	50	10,977	77	10,409	..	..	1	13,797	1	32	3,468	1,03,428	10,150	4,00,654	..	..
Orissa	23	6,036	3	130	1	4,346	1	909	..	..	4,127	1,59,694	84	20,961	..	..
Assam	17	2,022	21	1,139	..	..	..	..	..	..	676	17,543	151	2,554	2	254
Part B, C and D States																
Mysore	4	2,380	7	2,784	1	354	1	891	..	..	2,654	96,147	1,471	1,92,455	79	27,274
Hyderabad	48	7,573	5	458	..	..	1	10,405	..	..	13,828	7,15,060	424	5,14,209	..	..
Madhya Bharat	25	11,992	..	..	..	..	..	..	..	..	5,842	1,24,112	65	3,483	1	62
Rajasthan	10	3,600	18	955	..	..	..	..	..	..	1,706	33,256	445	19,307	10	269
Travancore-Cochin	2	3,414	9	2,632	1	3,686	2	98	43	2,294	1,141	1,47,794	455	48,945	..	..
PEPSU	14	1,716	2	59	..	..	..	..	..	..	1,012	27,979	121	7,171	..	..
Jammu and Kashmir	9	2,922	..	..	..	..	..	..	..	..	1,731	29,647	790	1,20,474	..	..
Saurashtra	1	47	..	..	..	..	..	..	..	..	262	14,790	214	12,873	..	..
Ajmer	7	1,747	12	580	..	..	..	..	..	..	548	13,051	52	1,061	12	1,374
Bhopal	13	713	..	..	..	..	..	..	1	21	245	10,453	..	..	..	..
Delhi	1	624	2	161	..	..	..	..	..	..	107	2,634	257	14,794	..	..
Coorg	1	1,090	7	2,166	..	..	..	..	13	321	279	30,373	14	3,211	..	..
Himachal Pradesh	7	378	3	86	..	..	..	..	..	..	680	13,135	112	8,540	..	..
Vindhya Pradesh	1	60	3	96	..	..	..	..	..	..	126	2,831	261	4,731	..	..
Manipur .. .. .	..	..	1	95	..	..	..	..	..	..	..	..	238	11,066	..	..
Tripura .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	3	238	..	..
Andaman and Nicobar Islands .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	4	344	..	..
Total	520	2,28,006	2,236	14,73,293	5	9,848	19	29,195	518	27,887	1,15,462	51,53,907	33,815	51,53,907	286	2,15,063

NON-AGRICULTURAL										TOTALS			
State	Credit		Non-Credit		Insurance		Total Number of Societies	Total Number of Primary Societies per one lakh inhabitants	Total Membership of Primary Societies	Member-ship of Primary Societies per 1,000 inhabitants	Working Capital in the Movement (in Rs.)	Working Capital per head (in Annas)	Loans per Member (in Rs.)
	No. of Societies	Members	No. of Societies	Members	No. of Societies	Members							
Madras ..	1,217	5,11,168	2,767	6,60,532	3	53,511	24,205	42.5	33,82,495	59.3	55,32,44,721	235.0	63.8
Bombay ..	1,531	7,73,345	3,181	3,90,117	7	35,158	16,076	44.8	22,43,577	62.5	82,97,10,922	369.8	157.9
West Bengal ..	398	2,84,337	1,997	1,65,063	8	34,189	15,441	62.3	9,38,012	37.9	17,78,41,121	114.7	78.4
Uttar Pradesh ..	649	81,564	1,501	3,90,561	..	..	36,211	57.3	17,05,553	27.0	23,03,43,170	58.2	18.9
Madhya Pradesh ..	279	43,276	937	83,478	..	..	10,202	48.1	4,19,714	19.8	9,72,56,099	73.3	99.3
Punjab ..	496	32,721	2,670	1,17,221	..	..	14,052	91.8	7,42,922	48.6	12,52,50,472	130.9	30.4
Bihar ..	129	47,712	671	84,031	1	21	14,548	36.2	6,35,846	15.8	5,20,40,534	20.6	22.7
Orissa ..	215	27,341	689	74,465	2	135	5,143	35.2	2,82,596	19.4	4,27,46,014	46.7	26.4
Assam ..	154	3,094	1,908	2,60,515	..	..	2,929	32.5	2,83,960	31.6	1,95,61,196	34.7	0.9
Mysore ..	611	1,22,912	362	56,034	..	..	5,190	57.0	4,94,822	54.4	6,90,90,904	121.4	36.8
Hyderabad ..	410	72,806	359	1,21,842	2	32,561	15,077	81.1	14,56,478	78.3	10,13,24,235	87.0	26.8
Madhya Bharat ..	249	30,397	419	18,982	..	..	6,601	83.6	1,77,036	22.4	4,13,78,531	83.7	58.7
Rajasthan ..	141	15,041	821	72,862	..	..	3,151	20.6	1,40,735	92.0	2,28,69,833	23.8	30.5
Travancore-Cochin ..	405	89,434	573	67,172	..	..	2,631	23.3	3,53,345	38.0	2,65,24,859	45.6	17.5
PEPSU ..	148	3,574	156	4,008	..	..	1,453	41.5	42,732	12.2	1,54,64,963	70.1	252.7
Jammu and Kashmir ..	378	6,171	380	13,256	..	..	3,288	..	1,69,548	..	1,38,56,924	..	30.2
Saurashtra ..	42	1,825	248	11,859	..	..	767	16.7	41,347	10.1	51,21,432	19.8	30.4
Ajmer ..	104	6,473	232	11,633	..	..	967	138.1	33,597	48.0	82,09,297	187.5	54.6
Bhopal ..	2	138	4	272	..	..	265	33.1	10,863	13.6	14,22,425	28.3	0.9
Delhi ..	208	16,338	408	26,501	..	..	983	57.8	60,267	35.5	1,57,90,316	148.4	47.1
Coorg ..	23	6,721	19	7,950	..	..	356	178.0	48,255	241.2	58,42,339	467.4	49.5
Himachal Pradesh ..	16	759	25	1,548	..	..	843	84.3	23,952	24.0	21,36,783	34.1	35.5
Vindhya Pradesh ..	..	..	73	3,120	..	..	464	12.9	10,682	30.2	3,93,628	1.8	2.2
Manipur ..	2	228	87	4,075	..	..	323	54.7	15,369	25.6	7,08,629	18.9	2.1
Tripura ..	..	..	6	415	..	..	9	1.5	653	1.1	1,54,650	4.0	..
Andaman and Nicobar Islands ..	1	176	2	114	..	..	7	..	634	21.1	2,35,669	125.6	9.6
Total ..	7,810	21,77,551	20,495	26,47,681	23	1,55,575	1,81,189	50.6	1,37,15,020	38.3	2,75,85,23,956	123.2	63.1

LABOUR

THE general position in 1950-51 was as follows:—

Total working population* .. about 6,500,000
 No. employed in factories coming under the Factories Act of 1948 .. 2,468,280
 No. of trade unions on register .. 4,277

No. of trade unions which submitted returns of membership .. 2,316
 No. of members of trade unions submitting returns .. 2,022,431
 According to lists submitted by four leading trade union organizations the number of unions affiliated and of membership for 1950 and 1951 were as follows:—

	No. of Unions		Membership	
	1950	1951	1950	1951
Indian National Trade Union Congress	1,043	1,220	1,431,878	1,568,668
All India Trade Union Congress	722	736	730,636	758,314
Hind Mazdoor Sabha	460	517	698,720	774,263
United Trade Union Congress	306	332	366,101	384,962

During the year under review 1952-53 one significant development was a change in Government policy in regard to industrial relations. The new Labour Minister of the Government of India is due to introduce a fresh bill wherein the emphasis will be more on negotiation and agreement between the employers and labour than on awards or decisions by Tribunals.

Allotment under the Five-Year Plan .. Rs. 6.0 crores.

The inauguration of the Employees State Insurance Scheme in Kanpur and Delhi and the Employees' Provident Funds Scheme in selected industries has ushered in a new era for the industrial workers.

Although employment opportunities in the jute and cotton textiles increased during the year, there was a recession in the plantations resulting in large scale retrenchment and closures, particularly in Assam and Bengal.

The Planning Commission devoted considerable thought to policies and programmes for industrial development. Health, education, housing and social welfare for the masses find prominent place in the First Five-Year Plan. The Government of India finalised their scheme of subsidised industrial housing and made generous provision in their budget for the purpose. The most welcome feature of the period under review was the marked improvement in the labour situation and an all round increase in industrial production.

The Central co-ordinating authority in India for questions connected with labour legislation is the Ministry of Labour of the Government of India with the Labour Minister in charge. The administration of matters connected with the English and Indian Merchant Shipping Acts, the Mercantile Marine Department and Indian Seamen is with the Ministry of Transport. In respect of all the Railways, the Labour Minister is responsible for the administration of the Payment of Wages Act, 1936, trade disputes, hours of work for employees not covered by the Factories Act and regulation of employment of children. He is also responsible for regulation of labour and safety in respect of mines and oilfields; trade disputes in industries, businesses or undertakings carried on by the Central Government, and inter-State migration.

Among the more important Acts that govern labour conditions and relations in India are the following: 1. Indian Factories Act, 1948; 2. Indian Mines Act; 3. Payment of Wages Act; 4. Minimum Wages Act; 5. Workmen's Compensation Act; 6. Maternity Benefit Act

(States); 7. Indian Trades Union Act; 8. Industrial Disputes Act, Industrial Disputes (Appellate Tribunal) Act; 9. Tea Districts Emigrant Labour Act; 10. Shop Assistants Acts (States); 11. Employees' State Insurance Act, and 12. Industrial Statistics Act.

FACTORIES ACT, 1948

The Act covers all industrial establishments employing 10 or more workers and using power and establishments employing 20 or more workers and not using power. The State Governments have been empowered to apply the provisions of the Act to any premises, irrespective of the number of persons employed, where a manufacturing process is carried on with or without the aid of power, except where the work is done by the worker solely with the aid of his family.

The Act prescribes that every factory should be kept clean and free from effluvia arising from drains, privies, etc., and lays down stipulations regarding sweeping, cleaning, disinfecting, white-washing, ventilation, temperature, drinking water, latrines, etc.

In existing factories 350 cubic feet of space should be provided for every workman. In new factories to be built the space for each workman shall be 500 cubic feet.

Elaborate provision regarding safety such as fencing of machinery, etc., has been laid down. Women and children are prohibited from employment on certain types of machinery.

Washing facilities for the workers, appliances for first-aid, rest shelters, canteens, etc., are prescribed under the Act. In every factory where 500 or more workers are employed the occupier shall employ Welfare Officers.

Weekly hours of work have been fixed at 48 and daily hours at 9. The maximum spread-over allowed is 10½ hours. No worker shall work for more than 5 hours before he has had an interval for rest of at least half an hour. Payment for overtime has been prescribed at double ordinary rate of wages. No woman shall be employed in any factory except between the hours of 6 a.m. and 7 p.m. A weekly day of rest has also been prescribed.

No child who has not completed his fourteenth year shall be required or allowed to work in any factory. A child who has completed his fourteenth year or an adolescent (a person who has not completed his eighteenth year) shall

not be allowed to work in a factory unless a certificate of fitness by a certifying surgeon is in the custody of the manager of the factory and he carries while at work a token giving reference to such certificate. No 'child' shall be employed or permitted to work in any factory for more than 4½ hours in a day or between the hours of 7 p.m. and 6 a.m.

Every adult worker who has completed a period of 12 months' continuous service in a factory shall be allowed during the subsequent period of 12 months' leave with wages including dearness allowance for a period calculated at the rate of one day for every 20 days of work performed by him during the previous 12 months, subject to a minimum of 10 days. In the case of children the leave should be at the rate of one day for every 15 days of work subject to a minimum of 14 days.

Where any worker in a factory contracts any disease specified in the schedule appended to the Act, the manager of the factory shall send notice thereof to such authorities, and in such form and within such time, as may be prescribed.

The administration of the Act is left to the State Governments. The Central Government have set up an advisory organisation, namely the Office of the Chief Adviser, Factories.

A Factories Act (Amendment) Bill was introduced in the Council of States by the Labour Minister on September 3, 1953.

According to this Bill the meaning of 12 months' continuous service for eligibility for leave with pay would be 240 days service during a calendar year. Proportionate leave will be granted to those whose service starts after the beginning of the calendar year.

The annual leave with wages will be exclusive of holidays during or immediately before or after the period of leave.

The leave can be carried forward from one calendar year to another provided the maximum does not exceed 30 days in the case of an adult and 40 days in the case of a child.

No prior notice will be necessary when a worker requires leave to cover a period of illness.

The Bill permits six hours' work at a stretch without any interval when the total number of hours to be worked on any day in a shift does not exceed six.

The Bill also permits newspaper printing presses to work their entire night shift of six hours at a stretch.

It allows a worker a maximum of 50 overtime hours in a quarter year which is deemed to have begun on the first day of January, April, July or October.

It enables continuous employment of workers in case some of the subsequent shift workers do not turn up in time.

For the purpose of computing the rate of wages of a person who takes advantage of the concessional sale of foodgrains and other articles the basis will be the maximum ration admissible to a standard family of a specific number of consumption units.

Women and children will be prohibited from working in factories at night.

Women and children will also be prohibited from cleaning, lubricating or adjusting any prime mover of transmission machinery while it is in motion if such work exposes them to risk of injury.

Certain presses including Government presses will come within the purview of the Factories Act.

* For sub-divisions see under "Population".

FACTORY STATISTICS

Under the provisions of the Factories Act, 1948, registered factories submit annual and half yearly returns on employment to the Chief Inspectors of Factories in the various States. All-India figures are compiled by the Labour Bureau and are published in the *Indian Labour Gazette*.

The number of factories on registers during 1950 and 1951, was 31,869 and 35,343 respectively.

The following table sets out the statistics of the average daily numbers of persons employed in factories during the year 1950.

WORKERS EMPLOYED 1950*.

(Section 2m(i) and 2m(ii) factories only.)

Industry	Average Number of Workers Employed Daily
Processes allied to agriculture (Gins and Presses)	83,701
Food except beverages	319,410
Beverages	5,579
Tobacco	108,301
Textiles	1,020,239
Footwear, other wearing apperals and made up textile goods	8,429
Wood and Cork except furniture	21,954
Furniture and fixture	6,794
Paper and paper products	19,909
Printing, publishing and allied industries	69,290
Leather and leather products (except footwear)	13,473
Rubber and rubber products	29,829
Chemical and Chemical products	63,670
Products of petroleum and coal	12,790
Non-metallic mineral products (except products of petroleum and coal)	105,978
Basic metal industries	93,738
Manufacture of metal products (except machinery and transport equipment)	53,495
Manufacture of machinery (except electric machinery)	94,374
Electrical machinery, apparatus, appliances and supplies	26,066
Transport equipment	181,294
Miscellaneous industries	107,633
Electricity, gas and steam	21,989
Water and sanitary services	3,852
Recreation services (Cinema Studio)	4,150
Personal services (Job dyeing, dry cleaning, etc.)	1,253
Total	2,468,280

* Industry-wise classification for 5,049 factories employing 36,119 workers under Section 85 of the Factories Act is not available.

MINES ACT

With a view to amending and consolidating the law relating to the regulation of labour and safety in mines, the Mines Act, 1952 was passed and brought into force from July 1952. The Act extends to the whole of India except Jammu and Kashmir. The Act restricts the hours of

work for adults to 9 per day and 48 per week above ground and 8 per day and 48 per week below ground. Overtime work below ground should be paid for at twice the ordinary rate and above ground at 1½ times the ordinary rate. The Act prohibits the employment of children below 15 years of age. It also prohibits the employment of women in any part of a mine which is below the ground level. Women can be employed above ground only between the hours of 6 a.m. and 7 p.m. Adolescents who have not completed 18 years of age are not allowed to work underground unless they are certified fit to work as adults. Adolescents not certified fit to work as adults should not be allowed to work for more than 4½ hours a day.

Annual leave with wages for a period of 14 days in a year in the case of monthly-paid employees and 7 days in the case of weekly-paid employees and piece workers is granted to the workers. Provisions relating to health and safety are laid down in the Act, besides which the Central Government may direct that the Health and Safety provisions under the Factories Act, 1948 shall apply to all mines and the precincts thereof.

MINING STATISTICS

Figures are published in a Monthly Bulletin which is being issued by the Chief Inspector of Mines. We set out the available figures in the following table :—

EMPLOYMENT IN MINES.

(Figures for the Indian Union)

State	1939	1948	1949	1950
Bihar	170,384	238,727	232,673	230,994
West Bengal	60,965	89,141	90,231	92,074
Madhya Pradesh	41,666	42,259	53,277	65,335
Madras	14,549	15,012	17,502	15,981
Others	11,086	10,120	27,476	58,397
Total	298,650	395,865	421,159	471,791

PAYMENT OF WAGES ACT

The Act applies only to wages and salaries which average below Rs. 200 per month.

For purposes of the Act 'wages' means all remuneration capable of being expressed in terms of money and includes any bonus or additional remuneration but does not include travelling allowances, employers' contribution to provident funds, gratuities payable on discharge or the value of housing or other services rendered to the worker.

No wage period is to exceed one month and wages are to be paid within a prescribed time not exceeding 10 days from the end of the wage period. All wages are to be paid in coin and, or currency notes. Fines are not to exceed half anna in the rupee. Permissible deductions from wages have also been specified.

The administration of the Act, as far as factories are concerned, has been entrusted to the Inspectors of Factories in the States. In regard to persons employed in mines and in railways the responsibility of administering the Act rests upon the Chief Labour Commissioner (Central).

MINIMUM WAGES ACT, 1948

The Act covers the following industries or types of establishments. Woollen carpet making or shawl weaving; rice, flour or dal mills; tobacco manufactories (including bidi making); plantations; oil mills; employment under any local authority; road construction or building operations; stone breaking or stone crushing; lac manufactories; mica works; public motor transport; tanneries and leather manufactories; and agriculture.* The appropriate Governments can extend the application of the Act to any industry wherein, in their opinion, minimum wages should statutorily be fixed.

The Act requires the Central or State Governments, as the case may be, to fix minimum rates of wages payable to persons employed in the industries mentioned above.

The Act provides for the fixation of minimum time rates, minimum piece rates, guaranteed time rates and overtime rates appropriate to different occupations, or localities and for adults, adolescents, children and apprentices. The minimum rate may consist of a basic rate and a cost of living allowance and/or cash value of concessions or it may be an all-inclusive rate.

The Act authorises the appropriate Governments to appoint Committees and Sub-Committees to hold inquiries and advise them to fix minimum rates of wages in respect of any scheduled employment or for the revision of these rates. They may also appoint an Advisory Board for co-ordinating the work of various Committees and also to advise Government generally in the matter of fixing or revising minimum rates of wages. The Central Government is to set up a Central Advisory Board for advising the Central and State Governments and for co-ordinating the work of State Advisory Boards. The Committees and Sub-Committees as well as the Central and State Advisory Boards are to consist of equal number of representatives of employers and employees, and of independent persons not exceeding a third of the total number of members.

The Central or the State Governments, as the case may be, can fix the number of hours of work per day, provide for a weekly holiday, etc., in regard to any employment in which minimum wages have been fixed under the Act.

* The Act lays down that this should come into force before 1954. Up to December 1, 1953 eight States had not yet fixed minimum wages for agricultural labour. These States are: Bihar (except in Patna District), Uttar Pradesh, Madhya Pradesh, Hyderabad, Mysore, West Bengal Bombay, Madhya Bharat.

Minimum wages have been fixed under the Act in several States. The two Statements showing the wages fixed in respect of various industries in each State are given below :—

Table I
Minimum Wages Fixed Per Day.

State	Rice, Flour or Dal Mills		Road Construction and Building Operations		Oil Mills		Stone Breaking or Crushing		Tanneries and Leather Manufactories		Local Authority		Motor Transport		Tobacco Manufactories	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
Assam ..	Rs. a. p. 1 8 9 to 1 11 9	Rs. a. p. —	Rs. a. p. —	Rs. a. p. 1 8 7 to 1 11 9	Rs. a. p. —	Rs. a. p. —	Rs. a. p. —	Rs. a. p. —	Rs. a. p. —	Rs. a. p. —	Rs. a. p. —	Rs. a. p. —	Rs. a. p. 1 13 0	Rs. a. p. —	Rs. a. p. —	Rs. a. p. —
Bihar ..	1 8 7	—	1 8 7	—	—	—	1 4 0	—	2 6 0	—	25 0 0 to 27 0 0 p.m.	—	1 12 0	—	0 12 0 to 2 8 0 per 1,000 bids	—
Bombay ..	1 8 9 to 2 5 0	—	1 12 0 to 2 6 0	—	1 8 9 to 2 5 0	—	1 8 9 to 2 5 0	—	1 8 9 to 2 5 0	—	—	—	1 8 9 to 2 5 0	—	1 14 0 to 2 8 0 per 1,000 bids	—
Madhya Pradesh	0 12 0 to 1 0 0	0 8 0 to 0 12 0	0 9 0 to 1 0 0	0 7 0 to 0 10 0	1 2 0 to 1 4 0	—	0 9 0 to 1 0 0	0 7 0 to 0 10 0	1 3 0	—	0 12 0 to 1 0 0	0 8 0 to 0 12 0	1 4 0	—	0 10 0 to 1 6 0 per 1,000 bids	—
Madras ..	0 12 0	—	0 13 0 to 0 14 0	—	1 0 0	—	1 6 0	—	1 0 0 to 1 5 0	—	25 0 0 to 40 0 0 p.m.	—	1 8 0	—	1 2 0 to 1 2 0 per 1,000 bids	—
Orissa ..	1 0 0	—	0 12 0 to 1 0 0	0 8 0 to 0 12 0	—	—	0 12 0 to 1 0 0	0 8 0 to 0 12 0	—	—	—	—	1 2 4	—	1 6 0 to 1 2 0 per 1,000 bids	—
Punjab ..	1 12 0	—	1 12 0	1 8 0	1 12 0	—	1 12 0	1 8 0	1 12 0	—	40 0 0	—	0 12 5	—	—	—
Uttar Pradesh ..	1 0 0	—	1 0 0	—	1 0 0	—	1 0 0	—	1 0 0	—	60 0 0 p.m.	—	1 0 0	—	1 0 0	—
West Bengal	0 13 6 to 1 2 0 and 1 2 6	0 11 6 to 0 12 0	1 4 0 to 2 0 0	0 14 0 to 1 12 0	1 13 6 to 1 14 9 (includes D.A.)	1 7 2 to 1 8 7	—	—	1 15 6	—	10 0 0 to 52 8 0 p.m.	11 0 0 to 30 5 0 p.m.	2 1 10	—	1 12 0 to 2 4 0 per 1,000 bids	—
Mysore ..	1 0 0	0 12 0	1 0 0	0 12 0	1 0 0	0 12 0	1 0 0	0 12 0	1 5 1 (includes D.A.)	1 1 5 D.A.)	35 0 0 (includes D.A.)	30 0 0	1 8 7	—	1 6 0 to 1 6 0 per 1,000 bids	—
Rajasthan	1 2 0	—	1 2 0	0 12 0	1 2 0	—	1 2 0	0 12 0	—	—	1 2 0	—	1 4 0	—	1 2 0	—
Saurashtra	1 4 0 to 2 0 0	—	1 2 0 to 1 12 0	—	1 2 0 to 2 0 0	—	1 8 0	—	—	—	1 6 0 to 1 12 0	—	1 0 0	—	2 0 0 to 2 8 0 per 1,000 bids	—
Delhi ..	1 14 0 to 2 1 2	—	1 12 0	1 8 0	—	—	1 12 0	1 8 0	—	—	1 11 0 to 2 2 6	—	2 0 0	—	—	—
PEPSU ..	1 12 0	—	1 0 0	—	—	—	1 12 0	—	—	—	—	—	—	—	—	—
Bhopal ..	—	—	1 0 0 to 1 4 0	—	—	—	1 4 0	1 0 0	—	—	0 8 0 to 1 0 0	0 12 0 to 1 0 0	—	—	1 4 0 to 1 8 0	—

Minimum Wages Fixed Per Day—Contd.

Table II.

State	Misc		Agriculture		Lac Manufactories		Plantations		Woollen Carpet Weaving per day		Cement		Potteries		Glass	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
Bihar	Rs. a. p. 1 5 9	Rs. a. p. —	Rs. a. p. 1 in 16 harvest	Rs. a. p. of the (kind)	Rs. a. p. 1 4 0	Rs. a. p. 1 0 0	Rs. a. p. 0 12 0 to 1 6 0	Rs. a. p. —	Rs. a. p. 1 12 0	Rs. a. p. —	Rs. a. p. —	Rs. a. p. —	Rs. a. p. —	Rs. a. p. —	Rs. a. p. —	Rs. a. p. —
Madras	1 0 0	—	—	—	—	—	1 0 0	—	1 0 0	—	—	—	—	—	—	—
Ajmer	1 4 0(a)	—	—	—	—	—	1 5 0	—	—	—	—	—	—	—	—	—
Rajasthan	1 8 0	—	0 12 0 to 1 0 0	—	—	—	—	—	—	—	—	—	—	—	—	—
Orissa	1 4 0	0 12 0	—	—	—	—	—	—	1 2 0	—	—	—	—	—	—	—
Punjab	—	—	0 10 0 to 0 12 0	0 8 0	—	—	—	—	—	—	—	—	—	—	—	—
Delhi	—	—	1 0 0 to 1 12 0	0 12 0	—	—	0 11 0 to 0 13 0	—	1 8 0	—	—	—	—	—	—	—
Madhya Pradesh	—	—	1 8 0 to 2 8 0	1 4 0 to 1 8 0	0 15 6	0 11 6	—	—	—	—	1 6 0	1 4 0	1 6 0	1 2 0	1 8 0 to 1 12 0	—
Uttar Pradesh	—	—	—	—	1 0 0	—	1 0 0 to 1 2 0	—	—	—	—	—	—	—	—	—
Assam	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(a): Casual.

WORKMEN'S COMPENSATION ACT

Under the Act payment of compensation has been made obligatory on all employers whose employees come within its scope, and injured workmen or the dependents of those killed can obtain compensation in all cases where personal injury has been caused by accident arising out of and in the course of employment and where, except in the case of injury resulting in death, the accident is not directly attributable to the workman having been at the time of the accident under the influence of drink or drugs or to wilful disobedience of rules or orders or wilful disregard of safety devices.

Besides bodily injuries the contracting of certain occupational diseases such as anthrax and mercury, lead and phosphorus poisoning were deemed and treated for the purposes of compensation, as injuries caused by accident, provided however, that the worker concerned was in the service of the same employer for more than six months.

The main provisions of the Workmen's Compensation Act as it stands today are as follows:

In all cases persons employed in an administrative or clerical capacity and those whose monthly earnings exceed Rs. 400 (except Railway Servants) are excluded.

As far as seamen are concerned, those employed on ships registered in India are covered. But if accidents take place within the three mile limit of the territorial waters the Act applies even to those employed on ships not registered in India.

Not only workmen employed within the precincts of a factory or a mine but also men engaged in any kind of work incidental to or connected with a factory or any mining operation are entitled to the benefits of the Act.

Any person who is covered by the Employees' State Insurance Act, 1948, and who is entitled to receive disablement or dependent's benefit from the Employees' State Insurance Corporation is not entitled to claim any compensation from the employer under this Act.

The amount of compensation payable depends, in the case of death, on the average monthly wages of the deceased workman and in the case of an injured workman both on the average monthly wages and the extent of disablement. The term 'wages' includes overtime pay and the value of any concessions or benefits in the form of food, clothing, free quarters, etc.

The amounts of compensation payable in the case of an injured workman whose monthly wages are not more than Rs. 10 are Rs. 500 for death, Rs. 700 for permanent total, and half the monthly wages for temporary disablement. For a workman whose monthly wages are between Rs. 50 and Rs. 60, the corresponding figures are Rs. 1,800, Rs. 2,520 and Rs. 15 respectively. The maxima for persons earning over Rs. 300 per month are Rs. 4,500, Rs. 6,300 and Rs. 30 per month respectively. In the case of minors the amounts of compensation for death and for permanent total disablement are at a uniform rate of Rs. 200 and Rs. 1,200 respectively, and half the monthly wage for temporary disablement.

The interests of dependents in cases of fatal accidents have been safeguarded by ensuring that (1) all cases of fatal accidents should be brought to the notice of the Commissioner; (2) in all cases where an employer admits liability the amount of compensation payable is to be promptly deposited with the Commissioner; and (3) in cases where the employer disclaims liability and there are good grounds for believing compensation to be payable, the dependents get the information necessary to enable them to judge if they should make a claim or not.

An employer is permitted to make to any dependent advances on account of compensation not exceeding an aggregate of one hundred rupees.

The Act is administered by Commissioners appointed by State Governments.

STATISTICS

An annual note on the working of the Act is published regularly in the *Indian Labour Gazette*.

The latest available statistics on the subject will be found in the following table:—

Year	Total number of cases	Total compensation paid Rs.
1940	41,016	19,38,476
1941	39,045	15,84,293
1942	44,443	18,69,359
1943 *	44,826	22,83,991
1944 †	31,581	16,96,494
1945	67,390	42,25,339
1946 ‡	55,241	36,25,808
1947 ¶	53,574	33,26,495
1948	66,776	42,20,068
1949	92,763	44,26,218
1950	45,162	44,59,504

* Excludes figures for Bombay.

† Excludes figures for Bombay and Madras.

‡ Excluding Punjab and Sind.

¶ Excluding figures for Punjab.

Facilities for accident insurance are now being provided by a number of leading insurance companies in the country and the most important of these are the Claims Bureau in Calcutta and Madras.

The Millowners' Mutual Insurance Association, Ltd., Bombay, is an organisation of employers one of whose objects is the mutual insurance of members against liability to pay compensation or damages to workmen employed by them.

MATERNITY BENEFIT ACT

The first Maternity Benefit Act in India was passed by the Government of Bombay in 1929. Since then, Maternity Benefit Acts have also been passed in the States of Madras, old undivided Bengal, Assam, old undivided Punjab, Bihar, Madhya Pradesh and Uttar Pradesh. The Bombay Act was, with certain modifications extended to Ajmer and Delhi. In the year 1948 the West Bengal Legislature passed a separate Act for women employed in tea plantations under the title of the Bengal Maternity Benefit (Tea Estates) Act, 1948. Except for the Assam Maternity Benefit Act which covers women employed in both factories and on plantations and the Bengal Act, all the other Maternity Benefit Acts are applicable to women employed in factories only.

The Mines Maternity Benefit Act was passed in 1941.

The main principles in all Maternity Benefit Legislation are the same: provision for the payment of a cash benefit to women for specified periods before and after childbirth, a compulsory period of rest after delivery and also before delivery if notice is given; but, in the latter case, the period for which an employer has to pay cash benefit is strictly limited. All Acts specify

a qualifying period for the earning of the benefit: this varies from six months to a year. Women are prohibited, under penalty, from accepting employment under another employer during periods for which they are in receipt of cash benefit from the employer with whom this liability rests.

In the Central Act for women employed in Mines and in the U.P. Act additional bonuses of Rs. 3 and Rs. 5 respectively are provided for if the services of a qualified midwife are availed of; but, if such assistance is provided for by or in an institution of an employer, this bonus is not to be paid.

In U.P. and Bihar the Acts lay down that factories employing a certain number of women should maintain creches and appoint health visitors for looking after the welfare of the women workers.

The Assam Act has certain provisions which are not met with in the other State Acts and the Central Government's Mines Maternity Benefit Act. One such provision is that no employer shall knowingly employ a woman in any job during the four weeks immediately preceding the day of her delivery save upon such suitable light work as may be recommended by a medical practitioner.

The Act provides for the payment of maternity benefit at weekly rates unlike the daily rates found in the other Act. It provides for payment—(i) on plantations at the rate of Re. 0-11-6 per day in addition to the usual food concessions for a period of 8 weeks; and (ii) in employments other than plantations Rs. 2 per week or the average weekly wage or salary subject to a minimum of Rs. 2 per week.

The Indian Tea Association has, however, recommended payment of maternity benefit at the rate of Rs. 5-4-0 a week for eight weeks. Although maternity benefit legislation does not apply to plantations in South India, the employers' associations have recommended payment of benefit on a voluntary basis at the rate of 12 annas per day for a period of eight weeks.

The qualifying period in the Central and in the U.P. Acts is six months and in the Ajmer Act twelve months. In all the remaining Acts it is nine months. The maximum period for which maternity benefits can be paid is six weeks under the Ajmer Act, seven weeks under the Madras Act, sixty days under the Punjab Act and eight weeks under all the other Acts. The rate of benefit used to be eight annas per day or the average daily wage whichever was less in most Acts but many Acts are now adopting a uniform eight annas a day. The Punjab Act gives average daily earnings or twelve annas per day whichever is greater.

TRADE UNIONS ACT, 1926

This Act was brought into operation with effect from 1st June 1927 and was slightly amended in 1928.

Apart from the necessary provisions for administration and penalties, the Indian Trade Unions Act, 1926, makes provision for three matters: (1) conditions governing the registration of trade unions; (2) the obligations to which a trade union is subject after registration; and (3) the rights and privileges accorded to registered unions. 'Trade Union' has been defined in such a way as to cover both combinations of workers and of employers but not of workers and employers. Persons under the age of 15 are debarred from membership of any registered union.

The administration of the Act is entirely on a State basis and each State Government is required to appoint a Registrar of Trade Unions. Any seven or more members of a union can apply for registration but no union can be registered unless at least fifty per cent of the executive consist of members actually engaged in the unit or group of units which the union proposes to cover.

Any union aggrieved by the refusal of a Registrar to register it or by the cancellation of its registration may prefer an appeal to a judge appointed by the State Government for the purpose; and, in the event of the dismissal of such an appeal, the aggrieved party has the right of a further appeal to the High Court.

The general funds of registered trade unions cannot be spent on objects other than those specified in Section 15 of the Act nor on political objects; but the Act makes provision for the creation of a separate political fund, subscription to which may be collected from such members as voluntarily desire to contribute to it. All registered unions are required to submit annually to the Registrar duly audited statements of accounts in prescribed forms together

with changes in officers and the executive and a copy of the rules corrected up to date.

A registered trade union is immune from prosecution for criminal conspiracy in respect of an agreement, unless it is one to commit an offence, made between its members for the furtherance of a trade dispute or for restraint of trade and from any legal difficulties arising therefrom.

STATISTICS OF TRADE UNIONS

All-India Figures.—The following tabular statements show the latest available position in regard to Registered Trade Unions:—

REGISTERED TRADE UNIONS

	No. of Unions on registers		No. of Unions submitting returns		Membership of Unions submitting returns	
	1949-50	1950-51*	1949-50	1950-51*	1949-50	1950-51*
Central Unions	65	43	47	30	175,394	141,081
Part A States—						
Assam	67	61	39	35	114,188	112,736
Bihar	392	460	197	218	183,060	165,627
Bombay	460	597	300	370	417,642	352,101
Madhya Pradesh ..	109	98	74	60	48,436	30,332
Madras	550	580	183	276	110,569	174,608
Orissa	83	44	31	26	23,286	10,097
Punjab	41	79	41	53	14,400	10,314
Uttar Pradesh .. .	528	570	334	381	218,067	195,696
West Bengal .. .	1,155	965	545	477	489,158	510,626
Total (Part A States) ..	3,385	3,454	1,804	1,806	1,624,806	1,577,227
Part B States—						
Hyderabad	87	54	46	51	25,409	15,611
Madhya Bharat .. .	22	33	15	25	14,971	21,069
Mysore	34**	29**	33**	20**	33,706**	29,927**
Rajasthan	35†	52	16†	19	12,127†	17,529
Saurashtra	28	33	24	33	11,408	18,887
Travancore-Cochin ..	56	481	56	172	32,548	111,732
Total (Part B States) ..	262	692	194	329	134,169	214,755
Part C States—						
Ajmer	15	18	15	17	5,684	6,462
Bhopal	3	7	3	5	797	1,227
Coorg	3	2	3	2	407	564
Delhi	60	71	60	67	31,412	80,218
Total (Part C States) ..	81	98	81	91	38,390	88,471
Grand Total .. .	3,793	4,277	2,126	2,346	1,976,759	2,022,434

* Provisional.

** Figures relate to the year ending 31st December.

† Figures relate to the period October 1949 to September 1950.

INDUSTRIAL DISPUTES ACT

The Act provides for setting up of two types of organisations, namely, (1) Works Committees and (2) Industrial Tribunals for the prevention or settlement of disputes. It makes conciliation compulsory in all disputes in public utility services and optional in other cases.

Section 22 of the Act declares any strike or lock-out in a public utility service to be illegal if it is commenced or declared (i) without giving to the employer or employees, as the case may be, a notice of strike or lock-out in a prescribed manner, within six weeks before striking or

declaring a lock-out, or (ii) within 14 days, of giving such notice, or (iii) before the expiry of the date of strike specified in any such notice; or (iv) during the pendency of any conciliation proceedings before a conciliation officer and 7 days after the conclusion of such proceedings, etc. The Act also prohibits certain other strikes and lock-outs and declares them illegal if commenced or declared during the pendency of (i) conciliation proceedings before a Board and 7 days after the conclusion of such proceedings; (ii) proceedings before a Tribunal and 2 months after the conclusion of such proceedings, or (iii) during any period in which a settlement or award is in operation, in respect of any of the matters covered by the settlement or award.

The Industrial Disputes (Amendment) Bill of 1953 passed by both the Houses of Parliament provides for payment of compensation to workmen in the event of their lay-off or retrenchment.

According to this Bill a workman who has been in continuous employment for not less than one year under an employer should not be retrenched till he has been given one month's notice in writing or one month's wages in lieu of such notice and also a gratuity calculated at 15 days' average pay for every completed year of service or any part thereof in excess of six months.

Regarding compensation for workmen laid off whenever a workman whose name appears on the muster rolls and who has completed not less than one year of continuous service under an employer is laid off he should be paid by his employer for all the days during which he is laid off (except for such weekly holidays as may intervene) compensation which should be equal to 50 per cent of the total of basic wages and dearness allowance.

The compensation so paid during a period of 12 months should in no case be more than 45 days.

A laid-off worker who is not re-employed after the stipulated 15-day period will be entitled to further compensation. But the employer has the option to retrench such a worker, the lay-off benefits being taken into account in determining the amount of the retrenchment compensation payable.

A laid-off worker may accept a part-time job without losing his title to compensation, provided he presents himself for work before his original employer for not less than two hours per day.

Any money due from an employer by way of wages and (or) compensation is liable to be recovered in the same manner as arrears of land revenue.

STATISTICS

The following table sets out the number of disputes in some of the years since 1945, the number of persons affected by these disputes and the total time lost in man-days:

Year.	Number of disputes.	Number of workpeople involved.	Number of man-days lost.
1945 ..	820	747,530	4,054,499
1946 ..	1,029	1,961,948	12,717,762
1947 ..	1,811	1,840,784	16,562,666
1948 ..	1,259	1,059,120	7,887,173
1949 ..	920	685,457	6,800,595
1950 ..	814	719,883	12,806,704
1951 ..	1,071	691,321	3,818,928
1952 ..	963	809,242	3,336,961
Jan. ..	95	308,831	674,340
Feb. ..	88	63,180	215,607
March ..	87	42,430	142,493
April ..	134	59,437	234,346
May ..	118	80,093	254,886
June ..	101	59,381	257,002
July ..	82	40,754	171,263
Aug. ..	88	46,585	148,533
Sept. ..	96	57,875	460,553
Oct. ..	98	78,181	349,618
Nov. ..	87	48,766	278,246
Dec. ..	81	27,625	155,017

Statistics presented in this section relate to industrial disputes which have resulted in work-stoppages involving 10 or more workers.

All the monthly figures are provisional.

APPELLATE TRIBUNAL ACT, 1950.

The divergent and sometimes conflicting decisions given by the various Tribunals set up in different States under the Industrial Disputes Act, 1947 created serious anomalies leading to discontent and bitterness among parties to industrial disputes. To meet this situation the Government of India enacted the Industrial Disputes (Appellate Tribunal) Act, 1950 to enable them to set up a Labour Appellate Tribunal which would hear appeals from awards or decisions of Industrial Tribunals, Industrial Courts, Wage Boards, and other statutory bodies set up by the Central or State Governments to adjudicate on industrial disputes.

The Appellate Tribunal consists of a Chairman and such number of other members as the Government may, from time to time, think fit to appoint. The Chairman is authorised to constitute as many benches of the Appellate Tribunal as he may consider necessary. Each bench is to consist of not less than two members, one of whom is to be appointed as the President. The Appellate Tribunal is empowered to hear appeals from any award or decision of an adjudicating authority if (i) the appeal involves any substantial question of law, or (ii) the award or decision relates to wages, bonus or travelling allowance, employers' contribution to any pension or provident fund, gratuity payable on discharge, classification by grades, retrenchment and any other matter which may be prescribed by rules made under the Act. No appeal, however, can be preferred by any party (i) from any award made by the Industrial Tribunal appointed by the Government of India in June 1949 to decide industrial disputes in banking companies, (ii) from any award or decision of a Tribunal made with the consent of parties, (iii) from any settlement arrived at between the parties in the course of conciliation proceedings, or (iv) from any decision of an arbitrator appointed under any law with the consent of parties to settle the dispute.

The Act provides that all appeals should be preferred within 30 days from the date of publication of the award or decision or, where no provision for the publication of the award has been made, within 30 days from the date of making the award. The decision of the Appellate Tribunal becomes binding on the expiry of 30 days from the date of their pronouncement. The appropriate Government can, however, reject or modify any decision before the expiry of the period of 30 days, if they feel that it would be inexpedient on public grounds to give effect to the whole or any part of the decision. In all such cases the Government concerned should place the decision together with their reason for rejecting or modifying it before the Legislature concerned.

During the period of 30 days allowed for filing the appeal or during the pendency of an appeal no employer shall alter the conditions of service to the prejudice of the workmen concerned nor shall he discharge or punish any such workman without obtaining the written permission of the Appellate Tribunal.

TEA DISTRICTS EMIGRANT LABOUR ACT

The Tea Districts Emigrant Labour Act, 1932, was brought into effect from the 1st October 1933.

State Governments are empowered, subject to the control of the Government of India to impose control over the forwarding of assisted emigrants (chapter III) or over both their recruitment and their forwarding as occasion may dictate (chapters III and IV).

The forwarding of recruits to Assam must be made through the prescribed routes where arrangements for feeding, rest and medical treatment have been made and by authorised forwarding agents. It is made unlawful to assist persons under 16 to migrate unless they

are accompanied by their parents or guardians. A married woman who is living with her husband may only be assisted to emigrate with the consent of the husband.

Repatriation.—It is provided that where an employer fails to make all the necessary arrangements for the repatriation of a worker within fifteen days from the date on which a right of repatriation arises to an emigrant labourer, the Controller may direct the employer to despatch such labourer and his family or to pay him such compensation as may be prescribed within such period as the Controller may fix (sections 13 and 15).

Section 3 of the Act makes provision for the appointment of a Controller of Emigrant Labour with some staff and possibly one or more Deputy Controllers for supervising the general administration of the system which the Act seeks to establish. The charges for this establishment are to be met from an annual cess called the Emigrants Labour Cess which is to be levied at such rate not exceeding Rs. 9 per emigrant as the Central Government may determine for each year of levy.

The cess is collected by the Controller by the sale of certificates of emigration. Every assisted emigrant has to be provided by the employing interest on whose behalf he was recruited with such a certificate. All particulars about the emigrant together with a running record of the details of his employment in Assam are given on it. Failure to provide a certificate is punishable with a fine which may extend to Rs. 500. For the year 1949-50 the rate of the cess was fixed at Rs. 3 and the same rate was continued for 1950-51.

The following details taken from the latest available Administration Report of the Controller of Emigrant Labour would be of interest :—

During the year 1950-51, the number of assisted emigrants was 34,100. There were also 8,639 non-assisted emigrants. The *per capita* cost of recruitment was Rs. 124-14-6 as compared with Rs. 142-3-5 during the previous year.

The number of adults and children living on tea estates in Assam was 508,373 and 512,124 respectively making the total of 1,018,197.

SHOPS AND COMMERCIAL ESTABLISHMENTS ACTS

Subject to certain exceptions the Acts apply to shops, commercial establishments, restaurants and places of amusement in certain selected urban centres. Some employees such as those employed in a confidential capacity and those whose work is of an intermittent character are excluded from the scope of the Acts.

The Bombay, Madhya Pradesh and Assam Acts have fixed daily hours of work at nine. In U.P. and Madras the daily hours are eight while in West Bengal and the Punjab a ten-hour day has been prescribed. Rest intervals, of half an hour are prescribed in the West Bengal, U.P. and the Punjab Acts while an hour's interval has been granted in the Assam, Bombay, U.P. and Madras Acts. Opening and closing hours have also been fixed by the Acts. The Assam and West Bengal Acts, however, prescribe only closing hours. Most of the Acts also fix the maximum overtime work that can be taken from the employees. In some cases slightly different hours of work have been fixed for employees of commercial establishments, restaurants and places of amusement.

Provision has been made in all the Acts for weekly closure of shops and establishments although in some Acts, for example in Bombay and Assam, theatres, hotels, etc. are exempted from this provision. In addition to the weekly holiday, provision for privilege leave of 12 to 15 days in a year has been made in all the Acts. The Assam, West Bengal, Madras and U.P. Acts make further provision for casual leave and sick

leave of 10 to 12 days and 12 to 30 days respectively.

All the Acts, except the Bengal Act, have made provision for the regulation of employment of children and young persons. The minimum age for the employment of children in Assam, and Madhya Pradesh is 12 while in Madras and U.P., it is 14. The hours of work for children and young persons are 7 per day in the Punjab, Madras and Madhya Pradesh and 6 in Bombay and U.P. Children are not allowed to work after 7 p.m. in Bombay, Madras and the Punjab and after 9 p.m. in Madhya Pradesh.

The Bombay Act empowers the Government to apply the provisions of the Payment of Wages Act to establishments covered by the Shops and Commercial Establishments Act. In Madras and U.P. the wage period should not exceed one month and in the Punjab it should not exceed a fortnight. The Assam Act fixes the wage period at one month. After they become due wages should be paid within 10 days in Assam and West Bengal, 7 days in U.P. and 5 days in Madras. In the Punjab wages should be paid on demand at the expiry of the wage period. Overtime wages are payable at twice the ordinary rates in Madras, U.P. and the Punjab, at one and a half times in Bombay and Madhya Pradesh and at one and a quarter times the ordinary rate in Bengal. Hotels, restaurants and other eating places in Bombay are, however, required to pay overtime wages at twice the ordinary rate. Fines and deductions are regulated under the Madras and U.P. Acts.

One month's previous notice or one month's wages in lieu of notice before discharge is stipulated in the Acts of U.P., Punjab, Madras and Madhya Pradesh. The Bombay Act provides for only 14 days' notice or pay in lieu thereof. The Madras and Bombay Acts make provisions relating to cleanliness, ventilation, lighting and precautions against fire in establishments covered by the Acts.

The Weekly Holidays Act, 1942 provides for a weekly closure of shops and for the grant of a weekly holiday to employees. The Act has been enforced in Bihar, Ajmer, Coorg and Orissa.

INDUSTRIAL STATISTICS ACT

The Act permits the collection of statistics with regard to any of the following matters : (1) prices of commodities; (2) attendance; (3) living conditions including housing, water-supply and sanitation; (4) indebtedness; (5) rents; (6) wages and earnings; (7) provident and other funds provided for labour; (8) benefits and amenities provided for labour; (9) hours of work; (10) employment and unemployment; and (11) industrial and labour disputes. Penalties are provided for persons refusing to supply information or failing to furnish the required returns. State Governments are empowered to appoint an officer to be the Statistics Authority for the purposes of the collection of any statistics under the Act and that Authority, when once appointed, has the power to call upon employers to furnish the information required. Penalties are also provided for in the Act for improper disclosure of information or returns by persons engaged in the collection of the information or the tabulation of the data.

The Act deals with collection of statistics relating to factories, such as production, etc., and matters dealing with labour welfare. The former provisions have already been implemented by the various States and the Director of Industrial Statistics has undertaken censuses of production. Reports on the censuses for the years 1946, 1947 and 1948 have now been published.

WAGES

No serial statistics of wages and earnings are available in India except for those compiled under the Payment of Wages Act. The returns under the Act, however, relate only to persons in receipt of wages and salaries of Rs. 200 per month.

AVERAGE ANNUAL EARNINGS OF FACTORY EMPLOYEES.

State	1939	1940	1950	1951
	Rs.	Rs.	Rs.	Rs.
Assam	263.7	942.8	1,018.6	1,017.9
Bihar	415.5	983.9	1,196.9	1,239.3
Bombay	370.4	1,210.1	1,172.1	1,272.3
Madhya Pradesh	*	841.9	933.8	862.0
Madras	175.9	726.6	501.2	644.9
Orissa	161.8	527.0	680.6	749.1
Punjab	296.0	858.7	771.3	756.0
Uttar Pradesh	235.6	993.0	933.0	952.7
West Bengal	248.7	839.0	877.5	942.3
Ajmer	163.7	552.0	660.0	694.2
Delhi	309.4	1,028.4	1,061.0	1,292.5
Travancore-Cochin	*	*	*	632.1
Andaman and Nicobar Islands	*	*	732.0	718.1

* Not available.

The tabular statement below shows the basic wages and earnings of important categories of industrial workers in India.

STATEMENT SHOWING THE BASIC MINIMUM WAGE, DEARNESS ALLOWANCE AND THE MINIMUM MONTHLY EARNINGS OF WORKERS IN DIFFERENT INDUSTRIES (December, 1952).

Industry	Centre	Minimum basic wage	Minimum dearness allowance	Minimum monthly earnings
		Rs. a. p.	Rs. a. p.	Rs. a. p.
Cotton	Bombay City	30 0 0	62 4 0	92 4 0
	Ahmedabad	28 0 0	77 4 9	105 4 9
	Sholapur	26 0 0	54 9 2	80 9 2
	West Bengal	20 2 5	30 0 0	50 2 5
	Madhya Pradesh	26 0 0	41 13 6	67 13 6
	Madras	26 0 0	42 12 0	68 12 0
Jute	West Bengal	26 0 0	42 8 0	68 8 0
	West Bengal	30 0 0	25 0 0	55 0 0
Engineering	Bombay	26 0 0	56 0 0	82 0 0
	Calcutta	30 0 0	31 4 6	61 4 6

* Figures relate to September 1952.

The Chief Inspector of Mines in his Monthly Coal Bulletin publishes figures of average weekly earnings of certain categories of workers in different coalfields. The latest available information is given in the table below :

AVERAGE WEEKLY EARNINGS IN COAL MINES.
(December, 1952).

Category	Assam	Raniganj	Jharia	Madhya Pradesh	Rewa*	Orissa	Hyderabad	Bikanet	Indian Union
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Underground—									
Miners and Loaders	19 2 5	13 3 11	14 0 7	11 3 2	9 8 5	9 14 3	17 8 3	10 15 2	13 8 3
Others	16 7 4	13 4 3	12 6 6	9 0 7	7 6 2	13 1 11	13 0 5	9 6 1	12 4 0
Open Workings—									
Miners and Loaders	12 4 8	12 4 7	11 10 4	10 9 1	6 14 8	—	—	—	11 10 6
Others	14 11 6	13 5 3	10 14 5	8 11 9	9 13 6	—	—	—	11 5 10
Women	10 2 8	11 3 3	8 6 6	5 13 3	6 3 4	—	—	—	8 8 5
Surface —									
Men	13 4 7	12 14 1	11 13 6	9 10 0	10 12 0	11 4 1	11 2 2	10 15 8	12 0 8
Women	8 1 6	7 13 10	7 12 6	4 15 4	4 1 5	6 12 2	7 8 1	4 4 1	7 7 11
OVERALL ..	15 15 0	12 7 10	11 15 2	9 6 8	8 12 7	11 10 4	14 6 0	9 14 5	11 14 11

DEARNESS ALLOWANCE

The scale of the allowance varies not only from centre to centre and industry to industry, but also, except where these matters are adjudicated upon, from unit to unit in the same industry at the same centre.

In coal mines dearness allowance is paid on the basis of a percentage of basic wages. In Bihar and Bengal the dearness allowance is 150 per cent of basic wages for those earning up to Rs. 30 per month.

In the engineering industry in West Bengal dearness allowance is graded according to income and ranges from Rs. 25 per month in the case of those getting basic wages up to Rs. 50 per month to Rs. 50 for those getting more than Rs. 200. In Bombay some concerns pay at a flat rate and others on a graded scale. Several Adjudicators have granted dearness allowance either at the Bombay Millowners' Association

scale which was Rs. 58-11-0 in December 1951 or at a percentage, varying from 66½ per cent to 85 per cent, of that scale. In Madras the rate varies from 8 annas to Rs. 1-9-0 per day and in a number of concerns it is paid at a flat rate of Rs. 25 per month. In the tanneries and leather goods industry dearness allowance paid is around Rs. 25 per month in West Bengal and Madras, about Rs. 30 in Bombay and between Rs. 40 and 60 in Kanpur.

The Committee on Fair Wages appointed by the Government of India examined the question of dearness allowance and came to the conclusion that for the lowest categories of employees the target should obviously be compensation to the extent of 100 per cent of the increase in the cost of living, but that in the case of higher categories a lower rate of compensation should apply and that the amount of compensation should be based on salary scales or slabs.

BONUS

As in the case of dearness allowance the practice in regard to the quantum of profit bonus varies from centre to centre and industry to industry. In Bombay City and Ahmedabad the cotton mill workers received for the year 1951 a bonus equivalent to 25 per cent of basic wages earned. In Madras cotton mills the workers received 3 months' basic wages.

No bonus has so far been paid in the jute mill industry in West Bengal. The Industrial Tribunal considered the question but deferred its recommendations in the matter pending the results of an investigation by experts and the Government of India.

The dockyards in West Bengal generally pay an annual bonus amounting to a month's wages. Some of the dockyards in Bombay pay two months' wages as bonus.

The Tata Iron and Steel Co. at Jamshedpur pay a good attendance bonus amounting to 10 to 12 per cent of basic wages and a performance bonus of 10 to 50 per cent of basic wages is also given to workers. To the latter, however, only skilled and semi-skilled workers are entitled. Under the Company's revised Profit Sharing Scheme, the employees are entitled to a share of 27½ per cent of the annual net profit of the company and such share is credited to and/or distributed among the employees of the company in proportion to the basic salaries and wages earned or deemed to be earned by such employees respectively during the year in which such net profits were earned by the Company.

The Board of Conciliation appointed for the coal-mining industry recommended the grant of an annual bonus equal to four months' basic wages, split into two parts. An attendance bonus of two months' basic wages to those fulfilling specified minimum attendance requirements, and a production bonus related to output and basic earnings and subject to their qualifying for it on the basis of a minimum attendance of 66 days per quarter in the case of surface workers and 54 days per quarter in the case of underground workers in the case of collieries in Bihar and West Bengal. Bonus on the above basis is also to be paid, according to the Fact-Finding Committee's recommendations subject to a minimum attendance of 60 and 65 days in a quarter in the case of underground and surface workers respectively in Madhya Pradesh, Hyderabad and Orissa collieries. In Assam, the existing rate of bonus has been raised by fifty per cent so as to raise the amount of bonus earned to a sum equal to four months' wages per year.

From the latest information available it would appear that during the quarter ending March 1952 about 32 per cent of the workers in West Bengal, about 51.9 per cent in Bihar, about 38.2 per cent in Orissa and 52.7 per cent in Vindhya Pradesh qualified for the bonus. The amount disbursed by way of bonus by collieries submitting returns was Rs. 35.15, Rs. 11.22 and Rs. 9.68 lakhs respectively in West Bengal, Bihar and Madhya Pradesh.

During 1949 a bonus of 8½ per cent of their earnings was given to the workers in tea plantations in South India and 6½ per cent of earnings to the workers in coffee and rubber plantations.

Allowing for minor differences in this respect and considering the major industries and the important centres it can be stated that in the jute industry in West Bengal and in the plantations the wages are generally paid weekly. The system of wage payment in the cotton textile industry in Bombay City and Solapur is monthly. A peculiarity of Ahmedabad is that the wages are paid per *hapta* which varies from 14 to 16 days. The month is the accepted wage

period for the railways. In some concerns wages are paid daily to certain types of workers, weekly to others, fortnightly to yet others and monthly generally to the clerical and supervisory staff.

Mining labour is mostly paid on a weekly basis.

HOURS OF WORK

The most important happening in regard to hours of work in factories was the reduction of the weekly hours of work for adults to 48.

Actually, in many industries in this country the hours of work were not in excess of 8 per day. In the coal-mines in Bihar and West Bengal the workers seldom work for more than five to six hours in the day or for more than four to five days in the week. According to a recent investigation the average weekly attendance of a coal-miner was 4.56 days. The cotton textile industry in almost all centres normally works a uniform 8-hour day. A recent development in the cotton textile industry is to work shifts on the basis of what is known as the Relay System. By this system a unit does not stop work during the noon recess and continues working throughout a whole shift, different batches of workers being given rest intervals by turns and the remainder being asked to do double substitute work for the time being.

In all cases where continuous production is necessary such as in electricity generating plants, and certain water pumping stations, cement factories, etc., work is arranged on a system of three shifts—the different shifts changing over every week or fortnight. The change-over is so arranged that every workman gets a rest period of at least twenty-four continuous hours once in one week.

As far as railways are concerned, hours of work in railway workshops are regulated by the Indian Factories Act. Most of the larger running sheds have also recently been classified as factories and work in these large sheds is arranged on the basis of three shifts of 8 hours each. In the smaller sheds where work is of a fairly intermittent character, systems of two shifts of 12 hours each obtain but the work of the individual is so arranged as not to work each operative for more than 8 hours.

The question of hours of work of railway servants was one of the points submitted for adjudication to Mr. Justice Rajadhyaksha of the Bombay High Court who made the following recommendations:

The employment of railway servants under the Hours of Employment Regulations should be classified under anyone of the following heads:

- (i) Intensive.
- (ii) Continuous.

(iii) Essentially Intermittent.

(iv) Excluded.

(i) The statutory limit of weekly hours for persons whose employment is classified as intensive should be fixed at 75 hours a week on the average in a month;

(ii) The statutory maximum limit for the employment of continuous workers should be fixed at 54 hours a week on the average in a month;

(iii) The statutory maximum for staff classified as essentially intermittent should be 75 hours a week; and

(iv) For excluded workers no statutory minimum limit can be prescribed but this should not absolve the Administrations of their responsibility on humanitarian grounds, of seeing that unreasonable conditions are not imposed. The Government of India accepted these recommendations and by an Order dated 15th June 1948 declared them binding for a period of three years.

In the major municipalities the hours of work vary from department to department but are generally 8 to 10 per day. Speaking generally, municipal workers get a weekly holiday. Although those in the conservancy department get only half a day off per week, there is a certain amount of discount among the conservancy staff for not getting a weekly holiday but since they are engaged on essential work most of the municipalities find it difficult to grant such a holiday.

COST OF LIVING

Bombay was the first State in India to compile and publish a price series intended for measuring changes in the cost of living.

Other States in India which compile cost of living index series for working classes are Madras, Madhya Pradesh, Uttar Pradesh, Bihar, Punjab, Orissa, Mysore, Travancore-Cochin and Hyderabad. The Mysore Government compiles figures for Bangalore, Kolar Goldfields and Mysore.

The Government of Madras compiles nine series in all. Madras City, Vishakapatnam*, Eluru*, Bellary**, Cuddalore, Coimbatore, Madurai, Tiruchirappalli and Kozhikode with the average prices for the twelve months from July 1935 to June 1936 as base.

In Uttar Pradesh, the series are for low paid Government employees at Lucknow, Banaras, Raebilly, Meerut and Gorakhpur.

The Government of Orissa compiles a cost of living series for its headquarters town of Cuttack and another for Berhampur.

INDEX FIGURES

Owing to the variations in the method of compilation of these indices, they are not strictly comparable, but the table below shows the movement of cost of living index numbers in selected centres for the twelve months of the year 1952:—

1952	BOMBAY				U.P.	MADHYA PRADESH	MADRAS	TRAVANCORE- COCHIN		MYSORE			HYDE- RABAD
	Bom- bay	Ahmed- dabad	Shola- pur	Jal- gaon	Kan- pur	Nagpur	Madras	Erna- kulam	Trichur	Banga- lore	Mysore	Kolar Gold- fields	Hyder- abad
January ..	315	337	442	490	442	303	345	307	368	349	343	377	169
February ..	309	330	436	464	441	382	343	388	370	347	337	374	168
March ..	298	314	411	412	412	378	340	378	367	341	321	369	163
April ..	320	350	440	388	415	377	343	379	368	352	341	375	155
May ..	323	362	425	443	412	376	334	389	377	353	347	380	156
June ..	322	360	411	432	421	375	337	380	376	351	345	381	165
July ..	314	360	416	439	450	377	338	389	376	346	345	382	164
August ..	324	360	427	447	460	340	337	388	377	345	344	382	162
September ..	325	368	425	440	463	381	335	387	377	346	344	382	163
October ..	329	375	420	450	466	381	331	386	378	340	350	382	166
November ..	330	371	419	443	459	380	335	385	376	342	349	380	170
December ..	330	359	415	430	447	378	334	385	375	343	343	382	164

* Now in Andhra.

** Now in Mysore.

The Government of India, in consultation with the State Governments, launched upon an All-India Scheme for the preparation and maintenance of working class cost of living index numbers for selected centres in the country. This scheme was started in the year 1942 and

was completed in 1946. Over 27,000 family budgets were collected in some 28 selected centres.

The main object of these investigations was to obtain weights for compiling and maintaining cost of living index numbers on uniform lines.

Accordingly, the Labour Bureau of the Government of India started publishing regularly in the Indian Labour Gazette on base 1944=100 cost of living index numbers for some 17 centres in India and the latest available figures for these centres on base 1944 are given below :—

1952	Delhi	Ajmer	Jamshedpur	Jharla	Dehri-on-Sone	Monghyr and Jamalpur	Cuttack	Berhampur	Gauhati	Silchar	Tinsukia	Ludhiana	Akola	Jabalpur	Kharagpur	Merara	Madras Plantations
January	142	179	162	179	184	188	175	175	147	156	125	161	171	156	138	121	118
February	141	175	155	179	186	184	172	170	145	158	124	158	167	155	131	117	114
March	186	177	150	163	172	174	165	152	140	144	121	148	148	145	131	110	106
April	145	169	153	161	176	179	160	147	138	132	123	148	149	144	132	107	106
May	148	168	153	164	175	178	156	147	143	134	121	149	148	143	130	106	108
June	145	171	153	175	179	169	155	148	141	137	124	148	155	148	130	106	106
July	143	175	161	184	199	173	159	150	143	140	137	149	161	155	131	108	106
August	143	176	160	188	211	172	154	153	149	180	137	150	160	157	141	109	108
September	145	173	157	184	208	171	156	159	143	140	137	150	156	150	139	109	109
October	140	179	154	183	201	171	156	157	143	141	135	151	157	150	136	108	112
November	143	176	150	180	193	162	155	156	139	136	132	152	158	150	132	107	114
December	137	170	150	165	171	152	150	137	138	130	124	148	155	149	128	107	114

STANDARD OF LIVING

The Bombay Labour Office carried out two family budget enquiries for working classes in Bombay City, one in 1921-22 and the other in 1932-33 and the results were published in the years 1923 and 1935 respectively. Similar enquiries were also conducted in Ahmedabad and Solapur cities and

the results of both these enquiries were published in the year 1928. In Madras, the Director of Industries published in 1938 the results of an inquiry into the family budgets of industrial workers in organized and unorganized industries in Madras City conducted under the direction of the Commissioner of Labour. A number of

family budgets were also collected at Kanpur in Uttar Pradesh and at Nagpur and Jabalpur in Madhya Pradesh with the object of compiling cost of living indices.

The statement below contains in a tabular form the main results of these surveys.

COMPOSITION OF THE FAMILY, THE AVERAGE MONTHLY INCOME AND EXPENDITURE AND THE ACTUAL AND PERCENTAGE DISTRIBUTION OF EXPENDITURE ON DIFFERENT IMPORTANT GROUPS

Centres	Average number of persons in the family	Average number of earners in the family	Average monthly income per family	Average monthly family expenditure on												Total family expenditure
				Food		Fuel and Lighting		House rent		Clothing and Footwear		Bedding & H. Requisites		Miscellaneous		
				Actual	Percentage	Actual	Percentage	Actual	Percentage	Actual	Percentage	Actual	Percentage	Actual	Percentage	
I. W. BENGAL—			Rs. a. p.	Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a. p.
1. Calcutta ..	4.09	1.43	70 8 4	47 1 6	65.66	5 3 3	7.28	4 13 2	0.71	5 8 10	7.74	0 1 0	0.06	8 15 11	12.55	71 11 8
2. Howrah & Bally ..	4.83	1.63	80 4 6	59 13 11	71.49	6 6 8	7.68	4 12 5	5.72	5 5 5	6.39	0 9 1	0.67	6 12 1	8.05	83 11 7
3. Kharagpur ..	5.62	1.57	120 5 8	68 12 7	69.18	5 13 8	5.89	5 4 3	3.35	10 2 8	10.28	0 6 4	0.40	10 14 5	10.95	99 7 0
II. BOMBAY—																
1. Ahmedabad ..	4.33	1.56	134 5 8	50 9 9	92.74	8 10 1	9.09	5 2 11	5.40	12 0 2	12.04	2 0 4	2.11	17 7 11	18.25	95 1 2
2. Bombay ..	3.96	1.53	97 2 3	44 15 2	251.96	6 12 8	10.16	6 3 9	97.20	10 2 2	11.72	0 6 10	0.50	15 15 5	18.46	86 8 0
3. Jalgaon ..	5.58	1.66	60 2 5	34 5 10	56.57	5 4 4	8.68	2 5 2	23.82	10 9 6	17.44	0 4 3	0.45	7 14 9	13.04	60 11 10
4. Sholapur ..	5.39	1.85	66 15 0	37 12 2	248.75	9 7 3	12.20	3 13 2	23.64	11 4 6	14.57	0 11 11	0.96	15 6 4	19.88	77 7 4
III. BIHAR—																
1. Dehri-on-Sone ..	6.07	1.64	59 6 0	38 12 10	69.62	2 9 0	4.59	1 1 5	1.98	6 8 10	11.75	1 3 6	2.19	5 8 2	9.89	55 11 9
2. Jamshedpur ..	4.42	1.33	92 13 3	44 11 2	265.76	3 11 0	5.43	3 3 0	04.69	6 13 6	10.07	0 3 11	0.36	9 4 11	13.69	67 15 6
3. Jharla ..	3.62	2.02	52 0 0	33 2 6	77.70	0 3 8	0.47	..	..	2 12 11	6.56	0 4 2	0.63	6 4 0	14.64	42 11 3
4. Monghyr ..	6.80	1.57	78 5 1	51 9 0	69.75	4 2 4	5.61	4 3 1	3.71	7 9 5	10.27	1 2 2	1.54	8 3 6	11.12	73 14 8
IV. MADHYA PRADESH—																
1. Akola ..	5.08	1.84	60 3 3	34 0 8	58.61	4 3 5	7.25	1 3 3	32.07	7 8 1	12.93	0 10 0	1.08	10 7 11	18.06	58 1 4
2. Jabalpur ..	4.06	1.56	64 10 9	37 1 2	58.24	4 9 7	7.22	1 11 6	62.70	7 6 5	11.62	1 1 11	1.76	11 11 11	18.46	68 10 6
V. ORISSA—																
1. Berhampur ..	5.50	2.05	59 12 8	48 10 6	62.42	5 13 4	7.48	2 9 0	03.28	7 15 5	10.22	0 14 6	1.17	12 0 5	15.43	77 15 2
2. Cuttack ..	5.54	1.45	43 8 0	39 10 5	67.15	5 3 9	8.66	1 12 0	02.97	4 1 0	6.88	0 15 7	1.64	7 6 0	12.50	59 0 9
VI. PUNJAB—																
Ludhiana ..	4.56	1.34	74 10 2	47 7 1	161.25	7 1 10	9.18	2 13 4	43.66	8 4 9	10.71	0 0 11	0.07	11 11 5	15.13	77 7 4
VII. ASSAM—																
1. Gauhati ..	5.05	1.32	96 3 8	50 3 2	68.36	6 13 7	8.64	3 8 10	4.48	2 13 4	3.58	2 1 2	2.61	13 11 7	17.33	79 3 8
2. Silchar ..	5.01	1.40	86 5 0	57 9 0	71.69	5 11 2	7.10	3 7 11	4.35	5 0 7	6.27	0 7 4	0.57	8 0 10	10.02	80 4 10
3. Tinsukia ..	4.11	1.21	83 14 5	44 1 1	68.65	4 11 7	7.35	2 1 4	43.24	4 9 11	7.19	1 4 9	2.02	7 6 9	11.55	64 3 9
VIII. DELHI—																
Delhi ..	3.80	1.34	66 4 11	36 15 2	60.98	5 5 8	8.84	3 13 7	76.35	5 8 6	9.18	1 15 9	3.27	6 14 10	11.43	60 9 6
IX. AJMER—																
Ajmer ..	5.18	1.16	62 12 8	38 4 6	63.74	4 14 7	8.17	1 12 7	72.97	4 11 11	7.90	0 4 8	0.50	10 0 8	16.72	60 0 11

Studies of living conditions of plantation workers were conducted in the year 1947 by the Government of India and the results of these surveys have been incorporated in two separate reports. The tabular statement on next page contains details regarding the main findings of these enquiries in the plantations in north-east and south India.

COMPOSITION OF THE FAMILY, AVERAGE WEEKLY INCOME AND EXPENDITURE OF THE FAMILY AND THE ACTUAL AND PERCENTAGE DISTRIBUTION OF EXPENDITURE ON DIFFERENT GROUPS.

Plantations	No. of budgets	Average number of persons in the family	Average number of wage earners in the family	Average weekly income per family	Average weekly family expenditure on										Total weekly family expenditure
					Food		Lighting		Clothing and footwear		Bedding and household requisites		Miscellaneous		
					Actual	Per-centage	Actual	Per-centage	Actual	Per-centage	Actual	Per-centage	Actual	Per-centage	
				Rs. a. p.	Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a. p.		Rs. a. p.
<i>North India</i>															
1. Surma Valley ..	200	4.57	2.29	11 3 7	8 8 8	77.07	0 2 9	1.55	0 12 3	6.90	0 2 0	1.13	1 7 8	13.35	11 1 4
2. Assam Valley ..	560	4.15	2.44	10 13 1	7 11 8	71.55	0 3 5	1.08	1 0 4	9.45	0 3 1	1.78	1 10 4	15.24	10 12 10
3. Bengal ..	207	4.16	2.52	13 5 2	9 8 4	77.42	0 4 1	2.08	0 14 11	7.58	0 2 6	1.27	1 6 11	11.65	12 4 9
<i>South India</i>															
1. Madras—Tea ..	274	3.80	2.41	11 13 1	8 10 5	73.79	0 2 7	1.38	0 15 0	7.99	0 4 1	2.18	1 11 6	14.66	11 11 7
2. Madras & Coorg —Coffee ..	122	3.40	2.38	8 12 1	6 2 3	71.24	0 2 0	1.45	0 13 0	9.43	0 4 2	3.02	1 4 6	14.86	8 9 11
3. Madras & Coorg —Rubber ..	15	2.86	1.40	8 15 4	7 8 5	78.11	0 2 11	1.88	0 11 4	7.34	0 1 10	1.17	1 1 9	11.50	9 10 3

RECRUITMENT

Many of the larger and more progressive concerns have Labour Officers who are directly responsible for all new recruitment.

The evils in connection with recruitment were most marked in the case of casual or substitute labour. The Millowners' Association, Bombay, have dealt with the problem by establishing what is known as the "Badli Control System." Daily casual vacancies are filled only from card holders and whenever there is a permanent vacancy it is filled from these card holders. The evil influence of the jobber is thus eliminated. A recent development in this matter is the 'decasualization' scheme of the Government of Bombay which has been introduced in some of the textile centres.

In the jute mill industry during recent years, many of the mills have established what are known as Labour Bureaux one of whose functions is to recruit labour.

In this connection mention might also be made of the Employment Exchange started by the Northern India Employers' Association in Kanpur. Some progressive cotton mills in the south have also opened special Labour offices through which only recruitment is made.

The Millowners' Association, Bombay conducts special classes for the training of Mill Labour Officers and actively supervises and controls the work done by all such Officers where they have been appointed through the Association. Following the example of the Millowners' Association, Bombay, the University of Calcutta, in co-operation with the Indian Jute Mills Association, has recently inaugurated a special course of social work for giving suitable training to Labour Welfare Officers engaged in jute mills. Among other institutions imparting training for Labour Officers mention may be made of the Tata Institute of Social Sciences, Bombay; Institute of Social

Sciences, Banaras; Xavier Labour Relations Institute, Jamshedpur; Department of Labour and Social Welfare, Patna University; J. K. Institute of Sociology and Human Relations, Lucknow University, and the training course conducted by the Madhya Bharat Millowners' Association, Indore.

The Directorate-General of Resettlement and Employment set up by the Government of India organises technical training.

There were 268 training centres in December 1952 and the number of persons undergoing training in these centres was as follows:—

Technical training	8,296
Vocational training	1,790
Apprenticeship training	695
Vocational training	426

TOTAL .. 11,207

EMPLOYMENT EXCHANGES

WORKING OF THE EMPLOYMENT EXCHANGES IN INDIA

1952	No. of exchanges at the end of the period	No. of registrations during the period	No. of applicants placed in employment during the period	No. of applicants on the live registers at the end of the period	No. of employees using the exchanges during the period	No. of vacancies notified during the period	No. of vacancies outstanding at the end of the period
January	126	97,824	30,854	321,656	5,372	34,830	19,638
February	126	106,180	31,967	325,626	5,547	36,706	19,294
March	126	114,678	31,806	341,420	6,053	39,830	20,932
April	126	126,415	32,087	360,190	6,482	36,852	20,240
May	127	121,703	30,998	366,595	6,490	37,896	21,522
June	124	135,849	32,100	381,739	6,473	38,065	21,982
July	128	153,808	39,466	418,909	6,602	36,759	21,943
August	129	119,371	29,186	412,101	6,020	33,927	21,173
September	130	115,671	26,949	407,672	5,703	37,499	26,138
October	130	130,459	29,159	413,498	6,183	35,825	26,106
November	131	127,906	27,101	420,722	5,711	33,482	25,672
December	131	126,745	25,135	437,571	5,246	27,880	22,873

ABSENTEEISM

One of the commoner complaints of Indian industrialists has been the high percentage of absenteeism and the large labour turnover in Indian factories, mines, etc. the percentage of

absenteeism amounts to about 10 to 15 per cent in factories, and to about 25 to 30 per cent in mines and plantations. It is noteworthy that in factories in which the conditions of work and wages are satisfactory and also where there is a system of granting leave with pay apart from

the statutory holidays with pay, the incidence of absenteeism is not so high as is otherwise the case. The available statistical data on absenteeism in certain types of concerns for the years 1948, 1949, 1950, 1951 and the twelve months of 1952 are given in the tabular statement below :—

ABSENTEEISM IN MANUFACTURING INDUSTRIES IN INDIA

(Percentage of man-shifts lost to man-shifts scheduled to work)

Month	Cotton Mill Industry							Woollen Industry	
	Bombay	Ahmedabad	Sholapur	Madras	Madura	Colombatore	Kanpur	Kanpur	Dhariwal
1948	13.3	5.0	18.1	9.1	13.0	9.6	16.1	10.6	..
1949	15.0	7.4	21.3	8.6	13.1	8.1	15.6	11.0	..
1950	14.5	8.4	20.1	9.5	14.6	9.7	16.1	12.5	9.3
1951	12.7	8.3	18.7	8.9	11.3	10.0	12.0	13.2	10.6
1952	12.7	8.8	20.2	9.7	10.5	10.3	11.7	9.4	6.3
January	11.2	7.8	20.1	9.0	11.3	10.3	9.2	9.0	8.9
February	13.6	12.0	21.5	9.1	12.6	9.9	10.5	9.3	8.6
March	15.5	19.4	21.3	9.1	12.1	10.9	11.0	11.3	9.1
April	14.3	9.5	21.5	9.5	13.6	11.2	10.3	9.0	7.0
May	14.0	10.7	23.9	10.2	11.9	11.8	14.3	14.7	5.0
June	13.2	9.6	21.0	9.9	11.2	12.0	12.5	10.6	7.3
July	11.7	9.1	18.6	10.0	9.6	7.1	11.5	7.4	5.7
August	11.3	9.1	18.2	9.6	8.5	7.1	11.7	6.8	6.4
September	11.0	9.6	17.8	10.2	8.9	8.8	11.4	7.5	5.4
October	12.0	9.5	19.4	9.5	8.7	10.2	12.1	9.2	3.7
November	12.5	9.0	19.5	9.3	8.7	13.8	15.1	8.4	4.6
December	12.0	8.6	19.8	9.2	8.5	7.2	10.7	8.2	4.0

Month	Engineering Industry		Telegraph Work-shops	Tramway Work-shops	Iron and Steel Industry	Ordnance Factories	Cement Factories	Match Factories	Leather Industry
	Bombay	West Bengal	All India	All India	All India	All India	All India	All India	Kanpur
1948	13.4	..	..	..	14.3	8.5	10.0	10.9	8.0
1949	13.6	..	..	..	13.5	8.0	10.1	10.8	11.3
1950	13.1	11.1	8.1	15.7	12.4	8.9	10.6	11.0	8.4
1951	13.9	10.1	8.5	13.0	11.0	8.6	11.8	10.5	7.8
1952	13.4	10.3	9.0	10.4	10.9	9.4	11.5	10.6	9.2
January	10.9	9.4	8.0	19.1	10.0	7.8	10.0	8.4	6.2
February	11.0	9.8	8.4	7.7	10.6	9.3	11.1	10.8	4.9
March	16.4	10.6	10.3	9.8	12.3	12.3	14.9	11.1	6.3
April	14.7	10.7	10.0	13.7	11.3	9.8	12.0	12.2	7.5
May	18.3	14.2	13.4	12.1	13.1	12.3	12.1	13.5	12.3
June	15.2	12.2	10.3	11.2	11.9	10.1	11.7	12.2	8.5
July	12.7	10.7	8.0	8.5	10.3	8.8	10.8	11.6	23.6
August	11.0	8.9	6.7	11.0	10.7	8.0	9.8	9.7	12.3
September	11.0	7.8	7.3	11.1	11.3	8.2	11.2	10.1	6.9
October	12.3	10.0	8.2	9.0	10.6	8.9	12.1	10.0	6.1
November	11.8	9.5	8.4	6.1	9.8	8.7	10.8	9.0	6.0
December	12.6	9.5	9.1	5.7	9.4	8.5	12.7	8.8	6.3

EMPLOYEES' STATE INSURANCE CORPORATION*

A bill incorporating a health insurance scheme was introduced in November 1947 in the Indian Parliament and was passed as the Employees'

State Insurance Act on 19th April 1948. The following are its main provisions:

The Act applies to all factories including factories belonging to Government other than seasonal factories and covers employees in receipt of wages or salaries up to Rs. 400 per month.

The administration of the Act is entrusted to an autonomous body called the Employees' State Insurance Corporation. A Standing Committee is to act as the executive of the Corporation. There is also to be a Medical Benefit Council to advise the Corporation on matters relating to administration of medical benefit, certifica-

* See under Miscellaneous for fuller note.

tion, etc. All these bodies are tripartite in character.

The scheme is contributory but the Central Government is to make an annual grant to the

Corporation during the first five years of a sum equivalent to 1/10th of the administrative expenses of the Corporation. The rates of contribution payable in respect of an employee have been fixed as follows:—

Group of employees	Employees' contribution (recoverable from employees)			Employers' contribution			Total contribution (employees' and employers' contribution)		
	Rs.	As.	Ps.	Rs.	As.	Ps.	Rs.	As.	Ps.
1. Employees whose average daily wages are below Re. 1				Nil			0	7	0
2. Employees whose average daily wages are Re. 1 and above but below Rs. 1-8-0	0	2	0	0	7	0	0	9	0
3. Employees whose average daily wages are Rs. 1-8-0 and above but below Rs. 2-0-0	0	4	0	0	8	0	0	12	0
4. Employees whose average daily wages are Rs. 2-0-0 and above but below Rs. 3-0-0	0	6	0	0	12	0	1	2	0
5. Employees whose average daily wages are Rs. 3-0-0 and above but below Rs. 4-0-0	0	8	0	1	0	0	1	8	0
6. Employees whose average daily wages are Rs. 4-0-0 and above but below Rs. 6-0-0	0	11	0	1	6	0	2	1	0
7. Employees whose average daily wages are Rs. 6-0-0 and above but below Rs. 8-0-0	0	15	0	1	11	0	2	13	0
8. Employees whose average daily wages are Rs. 8-0-0 and above	1	4	0	2	8	0	3	12	0

The insured persons are entitled to the following benefits:

(i) sickness benefit, (ii) maternity benefit, (iii) disablement benefit, (iv) dependents benefit and (v) medical benefit.

The implementation of the scheme throughout the country simultaneously being attended with practical difficulties, a plan of phased application of the scheme in different places was drawn up. Under this plan, it was proposed to introduce the scheme in Kanpur and Delhi in July 1950. The proposal had to be postponed at the last moment owing to objections received from employers in Kanpur that the introduction of the scheme in selected places, without its simultaneous application elsewhere, would place industries in those areas at a competitive disadvantage. To overcome these objections, and to remove a few other lacunae, the Employees' State Insurance Act, 1948, was amended in 1951. Under the amended Act, the employers' contribution will be levied from employers throughout the country in a manner which will make the extra cost on all employers as equitable as possible.

The scheme was inaugurated in Kanpur and Delhi on 24th February 1952.

At the end of 1953 it was in operation in 20 States, covered 1.30 million workers in 1,643 factories, and the contribution to the fund was Rs. 4.47 crores. The number of defaulting employers against whom prosecutions were launched was 17.

ACCIDENTS

The Millowners' Association, Bombay, has done a considerable amount of good work of a pioneering character in connection with Safety-

first measures. Working in conjunction with the Safety-first Association of India, the Association drew up a Safety Code for the Cotton Textile Industry and this Code was published and put into operation from August 1946. It is of interest to note that most cotton mills in Ahmedabad had also established safety-first committees by the end of the year 1939.

The Indian Factories Act requires the manager to report all accidents which cause death or bodily injury whereby the person injured is prevented from returning to his work in the factory during the 48 hours next after the occurrence of the accident.

It is the duty of the Inspector of Factories to make an investigation as soon as possible into the causes of and the responsibility for a fatal or serious accident, and to take steps for the prosecution of the person concerned if it is found that the death or serious injury resulted from any infringement of the provisions of the Act or of the rules framed under the Act.

Provision has been made for the training of miners in first-aid. There are also in the mining areas two rescue training centres where training has been given for fighting fires, etc. in coal mines.

The Office of the Chief Adviser, Factories now issues from time to time valuable literature on the subject of industrial safety.

The table below shows the number of accidents in Indian factories and mines in the years 1939 to 1951:—

Year	FACTORIES				MINES			
	Fatal	Serious	Minor	Total	Fatal	Serious	Minor	Total
1939	221	5,837	20,918	36,006	286	1,410	10,584	12,280
1940	236	6,857	33,080	41,070	315	1,442	12,880	14,637
1941	271	8,874	40,091	48,736	303	1,480	10,969	12,761
1942	323	9,111	44,740	54,174	342	1,484	10,871	12,697
1943	361	10,016	48,799	59,176	328	1,509	9,000	10,837
1944	348	10,638	56,336	67,322	365	1,568	8,946	10,879
1945	342	11,006	58,775	70,123	307	1,441	8,724	10,472
1946*	252	8,423	48,460	57,135	328	1,275	9,312	10,915
1947†	214	8,675	49,892	58,781	263	1,460	8,137	9,850
1948†	250	9,132	58,673	68,064	272	1,295	8,518	10,085
1949†	194	6,513	46,002	53,609	271	1,558	16,529	18,358
1950@	248	72,168	**	72,416	273	2,033	15,616	17,922
1951	180	54,989	**	55,169	N.A.	N.A.	N.A.	N.A.

* Excluding the Punjab and the N.W.F.P. in the case of factories.

** From 1950 onwards figures for Serious and Minor accidents have been combined into Non-fatal accidents.

† The figures relate to 12 States of the Indian Union, formerly known as Provinces whereas the previous figures relate to the pre-partition British India.

@ Excluding Punjab and West Bengal in the case of factories.

N.A. Not available.

WELFARE ACTIVITIES

The Reports of the Labour Investigation Committee on labour conditions in 86 industries as also their Main Report as well as the issues of the Indian Labour Year Book published by the Labour Bureau of the Government of India contain detailed and comprehensive information regarding labour welfare undertaken in various States and Industries.

Until recently the Government of India had not undertaken any activities to promote the welfare of industrial labour employed in Central concerns. Recently, however, they have done a great deal in this respect. Welfare Funds have been instituted in coal and mica mines. The Central Government have issued directives to all employing departments to constitute Labour Welfare Funds in all Government undertakings. The Fund is to be utilised for providing indoor and outdoor recreation, reading rooms, etc., to workmen employed in the undertakings. The Fund will be financed partly by Government grants.

Welfare work is now directly undertaken by the Governments of Bombay, U.P., Bihar, Hyderabad, Madhya Bharat, Mysore, Saurashtra and Travancore-Cochin.

HOUSING

In the past the policy of Government as well as of industrial employers was to leave the matter of housing more or less in the hands of private enterprise. The rapid growth in industrial employment made the housing problem serious and the influx of large numbers of workers to urban centres during the war further aggravated the situation.

In April 1948 the Government of India announced as part of their industrial policy a scheme for the construction of a million workers' houses to be completed within a period of ten years but on account of financial stringency much headway could not be made in the furtherance of the scheme.

The Government of India have recently finalised their Subsidised Industrial Housing Scheme. Under the Scheme, houses are to be constructed for industrial workers through the agency of State Governments. Statutory Housing Boards, employers and registered co-operative housing societies of industrial workers. The Central Government would assist financially these agencies both in the form of subsidies and loans. For housing schemes undertaken by State Governments or Housing Boards the subsidy will be to the extent of 50 per cent of the cost of construction and the loan also to the extent of 50 per cent. In the case of other housing schemes the subsidy and loan will be to the extent of 25 per cent and 37½ per cent respectively. The Government of India also allotted during 1952-53 a sum of Rs. 716.625 lakhs for the industrial housing scheme.

The Planning Commission has also proposed a programme of industrial housing the main feature of which is the construction of about 25,000 housing units every year in the principal industrial centres. It has also proposed the creation of National Housing Fund.

The subject of industrial housing has also been engaging the attention of several State Governments in recent years. The Governments of Bihar, Bombay, Madhya Pradesh, Punjab, U.P., Madhya Bharat, Mysore, Travancore-Cochin, have in hand schemes of industrial housing and some of the States, as for instance Bombay, have made substantial progress in regard to the construction of new houses.

As regards housing accommodation provided by employers, the standards vary widely. In the cotton mill industry only a small proportion of the workers are provided with houses. The jute mills in and around Calcutta have provided housing for about a third of their workers but the standards of housing provided leave much to be desired. In the engineering industry only the larger units generally provide housing for their employees. The Tata Iron and Steel Co.

for instance, have provided 11,000 houses at Jamshedpur. The cement industry in India is much ahead of other factory industries in regard to the proportion of workers housed as well as the standards of housing provided.

In the coal mines up to 80 per cent of the workers are housed in dhowrahs free of rent. Under the housing scheme of the Coal Mines Labour Welfare Fund constituted by the Government of India for coal miners over 1,500 houses have been completed. The mining companies in the Kolar Goldfields in Mysore have provided over 12,000 houses for their employees.

In the plantations nearly all the settled labour force have been provided with housing but the scale and standard of houses provided are far from adequate. However, in recent years the industry has become keenly alive to the urgency of the problem and at a Tripartite Conference held in November, 1950, the planting interests have agreed to replace the existing sub-standard houses by stages spread over 12 years. The number of houses provided for plantation labour up to September 1951 was as follows: Assam and Bengal 323,805; Bihar 1,531; Madras 22,804; Orissa 40; U.P. 108; Mysore 2,171; Travancore-Cochin 18,216; Coorg 1,877.

The Government Railways have provided more than 2,00,000 units of residential quarters for their employees. Over 9,000 new quarters were built by the railways during 1949-50.

Several co-operative housing societies have recently been formed in Ahmedabad through the efforts of the Ahmedabad Textile Labour Association.

Out of the 24,056 tenements sanctioned, under the Central Government's subsidized industrial housing scheme 1,570 had been constructed upto the end of Nov. 1953 and 6,888 were under construction.

Under the industrial housing scheme of 1949 2,856 tenements had been constructed and 940 were under construction.

Under the Bihar State Industrial scheme financed by the Centre 703 tenements had been constructed and 316 were under construction.

SHELTERS, CANTEENS

Section 47 of the Factories Act, 1948 makes it obligatory for all factories employing more than 150 workers to provide adequate shelters and a suitable lunch room for the use of workers during periods of rest. Almost all large industrial establishments had provided tiffin rooms and rest shelters for their workmen. Most concerns had also permitted the establishment of tea stalls on the premises but apart from this, little effort had been made to run co-operative canteens on the lines of those which are associated with most of the large factories in the West.

About the middle of the year 1943 the Government of India recommended to all employers, through the Employers' Federation of India and the All-India Organisation of Industrial Employers, the opening up of more canteens for workers.

The Act of 1948 provides for the setting up of canteens in factories that employ more than 60 women.

Except for the Ahmedabad Textile Labour Association, the Railwaymen's Unions, and the Mazdoor Sabha of Kanpur labour unions have not done much by way of labour welfare. This has been due largely to lack of funds. Some of the Railwaymen's Unions have organised co-operative societies, and various kinds of funds for the provision of specific benefits, such as, legal defence, death and retirement benefits, unemployment and sickness benefits and life insurance, etc.

In 1939, the Bombay Government first organised model welfare centres. From 1939 to 1952 the complexion of the Labour Welfare Department has undergone considerable change. In all, there are now 54 centres classified under four classes—'A', 'B', 'C' and 'D'. At Bombay there are 3 'A' class, 13 'C' class and 2 'D'

class centres, located in various parts of the city; at Ahmedabad, 1 'A' class and 8 'C' class centres; at Sholapur there are 1 'A' class and 8 'C' class centres; at Jalgaon, Hubli and Dhulia there is 1 'B' class and 1 'C' class centre each. There is one 'B' class centre each at Poona, Baroda, Gadag, Barsi, Virangam, Broach, Surat and Nadiad. 'A' class centres have a full-time nursery school for children; a women's section providing literacy, sewing and embroidery classes and suitable games; outdoor games and gymnasium with all facilities for men; and separate arrangements for water-taps and shower baths for both men and women. Static as well as circulating libraries are attached to these centres; radio sets are provided; monthly cinema shows are arranged; and well-equipped dispensaries are attached. 'B' class centres are intended to be a replica of 'A' class centres but on a very much smaller scale. 'C' class centres provide indoor recreation and educational facilities, static and circulating libraries and dispensaries. 'D' class centres provide only outdoor recreation, such as games and sports.

Welfare centres have also been opened in Bihar (2), in U.P. (33), in West Bengal (18), Mysore (2), Saurashtra (15) and Travancore-Cochin (3).

MEDICAL FACILITIES

Medical facilities provided by employers range from first-aid posts and dispensaries to first-class hospitals. There are some examples, in which first rate medical facilities are provided. The Tata Iron and Steel Co. maintain a large well-equipped hospital with 400 beds, and also 8 outdoor dispensaries. The Delhi Cloth Mills maintain a hospital which is fully equipped with X-ray apparatus and other modern appliances, and which gives free medical aid to both mill workers and their families and free food to indoor patients. The hospital at the Kolar Goldfields is a model of its kind. The Buckingham and Carnate Mills of Madras and the three important groups of employers of the Assam Oil Co. at Digboi have also provided adequate medical facilities. In all railways in India there are medical departments under the control of chief medical and health officers with divisional medical officers seconded by a number of assistants.

Although the Factories Act requires that provision should be made for washing especially in factories where workers come into contact with injurious or obnoxious substances, very little effective provision exists in this regard because most factories only provide water for washing but not soap, soda, towels, etc. As for bathing facilities, extremely few employers provide this amenity. Section 42 of the Factories Act, 1948 provides for the maintenance of such facilities in every factory.

Other types of welfare work done by factories relate to the provision of recreational facilities, amenities for the education of workers and their children, the provision of cost price grain shops, the establishment of co-operative societies, etc.

On railways there are educational facilities for the children of the employees mostly free of charge. Staff Benefit Funds have also been created which give monetary help to the children and widows of the deceased employees.

COAL MINES WELFARE FUND

This Fund was constituted under the Coal Mines Labour Welfare Fund Act of 1947. The principal objects for which this fund is to be utilised are defined in the Act. These are: (1) the improvement of standards of living including housing and nutrition, the amelioration of social conditions and the provision of recreational facilities for the benefit of the labour employed in the coal mining industry; (2) the provision of transport to and from work; (3) the improvement of educational facilities; (4) the provision of improvement of supplies of water; and (5) the improvement of public health and sanitation;

the prevention of disease, the provision of medical facilities and the improvement of existing medical facilities. The Act makes provision for the appointment of an Advisory Committee consisting of Government Officers and an equal number of members representing colliery owners and workers employed in the coal mining industry of whom one has to be a woman.

Both the cost of administration of the fund and the salaries and allowances of the officers appointed in connection therewith are to be defrayed from the fund itself.

At present a cess of six annas per ton of coal or coke has been levied for being credited to the welfare fund. The principal activities of the fund which are financed out of this cess may be considered under the following heads:—

- (i) Housing
- (ii) Hospitals
- (iii) Prevention of disease
- (iv) Water supply
- (v) Pit-head baths and creches and others.

The cess is now being apportioned between the Housing Account and the General Welfare Account of the fund in the ratio 2:1. A Coal Mines Labour Housing Board consisting of eight members has been set up. For the collieries in Madhya Bharat a separate Housing Sub-Committee has also been appointed. Certain difficulties have been experienced in rapidly carrying out the programme and the progress made so far has, therefore, been somewhat slow. To speed it up a new scheme has been drawn up by Government. Under this scheme a subsidy of up to 50 per cent of the cost of construction of houses built by colliery owners in accordance with the specifications prescribed by the Coal Mines Labour Welfare Fund will be paid by the Fund.

The fund gives certain grants and subsidies to various other funds such as the Leper Fund.

The regional hospitals and maternity child welfare centres at Katras and Tisra in the Jharia coalfield and Chora and Searosola in the Raniganj coalfield were opened. The central hospital for Jharia coalfield has been opened and the construction of a central hospital for the Raniganj coalfield has started.

For the prevention of disease, grants are being made to the Mines Boards of Health and a scheme for the treatment of tuberculosis has been drawn up. Anti-malaria work is also in full progress.

The construction of pit-head baths and of creches has now been made compulsory.

Mica Mines Labour Welfare Fund.—The Mica Mines Labour Welfare Fund Act, 1946, which was designed to constitute a similar fund for the benefit of mica workers, provides for the levy of an *ad valorem* duty not exceeding 8½ per cent on all mica exported from India. The Act provides also for the constitution of two Advisory Committees, one for Madras and one for Bihar. In Madras three dispensaries have been started for use by mica miners and five radio sets have been installed in selected mica mining centres.

PENSIONS, GRATUITIES

All monthly and time-rated workmen in the industrial establishments of Government are entitled to pensions on retirement provided that a minimum of ten years' service has been put in. Outside Government concerns, pensions on retirement are almost non-existent although some concerns give small pensions to old employees who have put in long periods of trusted and faithful service but these are mostly *ex gratia* and cannot be claimed as of right.

All railway employees and the employees of local and public bodies and a few of the larger public companies receive gratuities on retirement. Gratuities are also paid to non-pensionable workers who have put in not less than thirty years' service in Government concerns.

In all cases specified periods of qualifying service have to be put in before gratuities can be earned. The rules of individual administrations vary widely but the most generally accepted principle is half a month's pay for each year of service limited to fifteen months' pay in all. Permanent Government servants who have put in less than ten years' active service are entitled to gratuity if they are compelled to retire on medical certificate.

A few large industrial establishments in India have started Retirement Benefit schemes where an account is opened for every individual worker to which a fortnight's or 15 days' pay is credited every year: interest is allowed and the amount standing to a worker's credit is paid to him on retirement.

The Provident Fund Rules of different State Governments in India are by no means uniform. The Government of Bombay, by a notification dated 20th March 1941, made it compulsory for all Government servants in receipt of a monthly income of Rs. 50 per month who joined Government service before that date or of Rs. 25 per month who joined after that date to subscribe to the Government Provident Fund. Pensionable Government servants can only join the non-contributory section of the Fund.

Compulsory Schemes.—Compulsory contributory schemes are provided for all permanent workmen in the factories owned by certain public bodies such as the Bombay Port Trust; whilst both compulsory and optional non-contributory and contributory schemes obtain for permanent workmen in the factories owned by most municipalities. Most of the larger public utility companies and corporations such as the Tata electricity generating and distributing plants, the Bombay Electric Supply and Tramways Company, Ltd., and the Burmah-Shell Corporation, to mention only a few of many, provide contributory schemes for the benefit of the majority of their workmen. Several others have schemes for their supervisory and clerical establishments but not for their workmen.

The most usual amount of deduction from pay is one-twelfth of the monthly pay but the amount contributed by employers varies from 50 per cent. to 100 per cent. of the amount put in by the employee.

As a result of the recommendations of the Board of Conciliation appointed by the Government of India, workers in coal mines are now entitled to a contributory provident fund.

On 15th November 1951 an Ordinance to provide for compulsory provident funds for employees in Cement, Cigarettes, Engineering, Iron and Steel, Paper and Textile industries was promulgated. Later, the Ordinance was replaced by an Act of Parliament. A provident funds scheme under the Act was prepared and brought into force from October, 1952.

Profit sharing in this country has mostly taken the form of payment of bonuses

according to the profit making ability of a concern. The question of bonus has already been dealt with elsewhere.

Under the Factories Act, 1948, the factory employees are entitled to a minimum of 10 days holidays with pay in the year. However the recent tendency for many units particularly in south India, has been to allow holidays with pay in excess of this limit. In many of the recent awards of Adjudicators, leave with pay up to 14 days has been awarded.

LABOUR ADMINISTRATION

Apart from dealing with labour legislation and labour conditions and attempting and bringing about uniformity of standards in the different States the Ministry of Labour of the Government of India has recently undertaken additional responsibilities for the placement of civil and military demobilized personnel, refugees, etc. It has continued active co-operation with organised employers and labour organizations through the Tripartite Labour Conference and Standing Labour Committee.

Apart from the main Secretariat of the Ministry of Labour it has several attached and subordinate officers. The activities of some of these have been described in the relevant sections, such as Employment Exchanges and Resettlement, Miners' Welfare Fund, etc., and notes on some others are briefly given below.

Labour Bureau.—To meet the ever growing needs of Government, industry and labour for accurate and reliable information relating to labour conditions, labour legislation, etc., the Central Government established on 1st October 1946, a Labour Bureau.

Among other things the Bureau edits the *Indian Labour Gazette* and the *Year Book*.

Chief Labour Commissioner.—The Central Government, in the Ministry of Labour, have also appointed a Chief Labour Commissioner. This officer is in charge of industrial relations and conciliation, labour welfare, operation of labour laws, and maintenance of information regarding wage rates and conditions of work in Central undertakings. There are a number of deputies working under him known as Regional Commissioners.

Chief Adviser of Factories.—In order to ensure uniformity in the administration of the Indian Factories Act and to improve conditions generally in Indian factories, the Government of India have appointed an officer designated the Chief Adviser of Factories. The Chief Adviser has a number of deputies, including deputies who attend to matters relating to the health of the workers and the sanitation and cleanliness of factories.

INDIA AND THE I. L. O.

India joined this organisation at the very start and since 1922 has been one of the eight

leading industrial countries in the world and as such has been allotted a permanent seat on the Governing Body of the Organisation. India also contributes liberally towards the finances of the Organisation. In 1953 India's contribution amounts to U.S. \$267,173 which is about 4.13 per cent. of the total contribution of all member States. India's share in the appointments of the office is, however, somewhat inadequate. The number of Indian nationals employed in the Geneva office is 11. The Indian Branch at New Delhi employs a director and three officers with other necessary staff.

India has so far ratified 19 out of the 100 Conventions adopted by the International Labour Organisation but has in addition incorporated into its national legislation the essential features of many other Conventions.

The following is a list of Conventions ratified by India:—

1. Hours of Work (Industry), 1919.
2. Night Work (Women), 1919.
3. Night Work (Young Persons), 1919.
4. Right of Association (Agriculture), 1921.
5. Weekly Rest (Industry), 1921.
6. Minimum Age, 1921.
7. Medical examination of Young Persons (Sea), 1921.
8. Workmen's Compensation (Occupational Diseases), 1925.
9. Equality of Treatment, 1925.
10. Inspection of Emigrants, 1926.
11. Seamen's Articles of Agreement, 1926.
12. Marking of Weight, 1929.
13. Night Work (Women) (Revised), 1934.
14. Underground Work (Women), 1935.
15. Protection Against Accidents (Dockers) Convention, 1929, Revised in 1932.
16. Final Articles Revision Convention, 1946.
17. Labour Inspection, 1947.
18. Night Work (Women) (Revised), 1948.
19. Night Work of Young Persons (Industry) (Revised), 1948.

A Plenary Conference of the representatives of workers, employers and Governments met on August 7, 1942 at New Delhi and decided that a collaborative machinery composed of the representatives of Governments, employers and workers in India should be established forthwith for the consideration of all questions relating to the condition of labour.

Since then tripartite labour machinery has developed in India both in the States and the Centre. The Central Tripartite machinery consists of the Indian Labour Conference, the Standing Labour Committee, the Central Advisory Council, and industrial committees for plantations, cotton, cement, leather and coal industries. The Labour Ministers' Conference is closely associated with this machinery. Matters regarding general labour policy, labour legislation, etc. are discussed at the Indian Labour Conference and the Labour Ministers' Conference. Most of the State Governments have set up State Labour Advisory Boards which are also tripartite in character.

FORESTS

STATE Forests: 1,82,539 sq. miles; Forests owned by corporate bodies: 1,369 sq. miles, Private Forests: 58,196 sq. miles.
Total Forests: 2,42,104 sq. miles; Percentage of Forests to Land: 19.190.

Allotment under Five-Year Plan: Rs. 11.69 crores.

There are seven different types of forest in India: tropical forests, southern sub-tropical and temperate forests, northern sub-tropical forests, northern temperate forests, Alpine forests, special forest types and bamboos.

The general policy of the Government in relation to forests was definitely laid down in 1894 by the classification of the areas under the control of the Department into four broad classes, namely:—

(a) Forests the preservation of which is essential on climatic or physical grounds. These are usually situated in hilly country where the retention of forest growth is of vital importance on account of its influence on the storage of the rainfall and on the prevention of erosion and sudden floods.

(b) Forests which afford a supply of valuable timbers for commercial purposes, such, for example, as the teak forests of the centre and the south, the sal forests of the north, the centre and the north-east and the deodar and pine forests of the north-western Himalayas.

(c) Minor Forests, containing somewhat inferior kinds of timber and managed for the production of wood, fodder, grazing and other produce for local consumption; these forests are of great importance in agricultural districts.

(d) Pasture lands.—These are not "forests" in the generally understood sense of the term but grazing grounds managed by the Forest Department merely as a matter of convenience.

The forest business of the Government of India is carried on in their Departments of Agriculture.

The Inspector-General of Forests is the technical adviser to the Government in forest matters.

Forests are, however, a provincial subject.

For purposes of administration the States are divided into one or more Forest Circles, each in charge of a Conservator of Forests; usually States containing three or more circles also have a Chief Conservator who is the head of the Department for his State. Circles are divided into a number of Forest Divisions, in charge of members of the superior Forest Service. Each Division contains a number of Ranges in charge of Forest Rangers or Deputy Rangers; heavy Divisions are also sometimes divided into Subdivisions. The Ranges are further subdivided into a number of rounds and beats.

The forest staff is trained at the following institutions:

Indian Forest College, Dehra Dun.

Indian Forest Rangers' College, Dehra Dun.

Madras Forest College, Coimbatore.

Bombay and Mysore have their own institutions to train rangers.

Forest education is under the charge of a Director, who is himself under the President, Forest Research Institute, Dehra Dun, where all research work is conducted. This Institute was opened in 1929 November.

Silviculture, which deals with all the production side of forestry, is under the direction of a Silviculturist. Much of the actual research work is, however, decentralised and done by local State silviculturists in the States, but the Central Silviculturist co-ordinates their work, does all the statistical computing and acts as an information bureau on silvicultural matters for the whole of India.

FOREST PRODUCE

Forest produce is divided into two main heads—(1) Major produce, i.e., timber and firewood, and (2) Minor produce, comprising all other products, such as bamboos, canes, leaves, fruits, fibres, grasses, gums, resins, essential oils, medicinal and poisonous plants, fatty oils and fats, dyes, tans and animal and mineral products. All aspects of research on the minor forest produce, such as survey, methods of exploitation and cultivation, are dealt with by the Minor Forest Products Branch, and their chemistry and processing into articles of trade and industrial use by the Chemistry of Forest Products Branch.

The annual outturn of timber and fuel from all sources averages about 306 million cubic feet.

In the Andamans notable developments have taken place. In the past, extraction of timber was done by elephant dragging with the result that only a fringe of the forests could be touched. Attempts were made in employing American methods of mechanical logging, for which machinery was bought and an American expert employed to take charge of the work. The costs of extraction, however, by these means proved too high. Recently the problem has been solved by means of light tramways, the trains of trucks being drawn by elephants which have been superannuated from ordinary work, and it has been found possible in this way to work large, hitherto inaccessible areas of forest very cheaply.

If accurate estimates were available for the country they would show that apart from the jungle population which is directly dependent on the forests and the large numbers of wood-cutters, sawyers, carters, carriers, craftsmen and others working in and near them, employment on an enormous scale is provided to persons engaged in working up the raw products. The census shows nearly a million people and their dependents so employed in the country and nearly a further half million in the States, but these are probably below the actuals, as much forest labour is not whole-time labour, devoting seven or eight months in the year to forest work and the rest to agriculture.

The general practice of the Forest Departments in the Government of India and the various States is to conduct their own sales direct with timber dealers or large consumers though there are notable exceptions. Indian timber marketing in England (especially Andaman timbers) is now done under the direction of a Timber Adviser who is attached to the Office of the High Commissioner for India. Sales of Indian timbers and especially timbers from the Andamans are steadily increasing.

A large number of bulletins and other publications are issued by the Forest Research Institute. Of these a list can be obtained from the Publicity and Liaison Officer, Forest Research Institute, New Forest, Dehra Dun, who maintains close liaison with trade and industry.

FORESTS IN INDIA (1948-49)

(Rupees in thousands)

State	Revenue	Expenditure	Surplus
Assam	6,343	3,406	2,937
Bihar	4,295	3,104	1,191
Bombay	30,843	10,982	19,861
Madhya Pradesh	16,846	7,309	9,537
Madras	15,715	7,866	7,849
Orissa	2,190	1,222	968
Punjab	6,210	4,961	1,249†
Uttar Pradesh	25,016	8,448	16,568
West Bengal	6,205	4,088	2,117
TOTAL	113,663	51,386	62,277
Hyderabad	5,522	2,621	2,901
Jammu and Kashmir	2,845	1,933	912
Mysore	3,890*	2,332	1,558
PEPSU	485	248	237
Rajasthan	3,694	1,334	2,360
Saurashtra	358	241	117
Travancore-Cochin	11,215	4,985	6,230
TOTAL	28,009	13,694	14,315
Ajmer	230	145	85
Bhopal	835	180	655
Bilaspur	173	40	133
Coorg	2,339	781	1,608
Himachal Pradesh	6,344	1,890	4,484
Kutch	10	22	(—) 12
Manipur	142	59	83
Tripura	942	147	795
Vindhya Pradesh	4,293	760	3,533
TOTAL	15,308	3,944	11,364
Andamans	5,248	4,289	1,009
Forest Research College	290	1,934	(—) 1,644
GRAND TOTAL	162,518	75,197	87,321

† Excludes a sum of Rs. 3.69 lakhs, being expenditure on Post-War Construction and Development Scheme.

* Excludes sandal oil net receipts.

The area and classes of forest State-wise are shown in the table below :

State	Forest Area in Sq. Miles.			Total
	Reserved	Protected	Unclassed	
Assam	6,582	93	14,254	20,929
Bihar	1,408	919	146	2,473(a)
Bombay	11,927	553	2,867	15,347(b)
Madhya Pradesh	19,414	..	..	19,414
Madras	17,449	55	..	17,504(c)
Orissa	1,390	1,478	..	2,874
Punjab	150	4,401(d)	253	4,873
Uttar Pradesh	8,032	885	926(k)	10,743(e)
West Bengal	2,673	1	6	2,680
TOTAL	69,940	8,445	18,452	96,837
Hyderabad	5,055	3,867	533	9,455
Jammu and Kashmir	10,171	754	133	11,058(f)
Mysore	3,871	488	80	4,448
PEPSU	103	89	140(g)	332
Saurashtra	565	..	66	631
Travancore-Cochin	2,988	77	..	3,065
TOTAL	22,753	5,275	961	41,771(j)
Ajmer	73	..	Negligible	73
Bhopal	1,209	..	..	1,209
Bilaspur	Negligible	48	152	200
Coorg	517	26(h)	286(h)	829
Himachal Pradesh	627	1,046	726	2,999
Kutch	169	..	..	169
Manipur	329	530	1,391(i)	2,250
Tripura	1,020	..	2,590	3,610
Vindhya Pradesh	3,503	1,425	3,040	7,968
TOTAL	7,477	3,675	8,185	19,307
The Andaman and Nicobar Islands	1,498	554	137	2,189
GRAND TOTAL	101,638	17,949	27,735	160,104(j)

(a) Excludes 254 sq. miles not under Forest Department.

(b) Includes 169 sq. miles under private individuals and 5 sq. miles under corporate bodies, but excludes 2,157 sq. miles controlled by Revenue Authorities.

(c) Includes 2,046 sq. miles of Panchayat forests class III transferred to the control of the Forest Department and excludes 1,314 sq. miles under Panchayat management and 7 sq. miles under the management of other departments.

(d) Excludes 1,322 sq. miles of forest area under section 381FA (229 sq. miles), Chispet (1900) (764 sq. miles), Civil Management (2 sq. miles) and leased forests (327 miles).

(e) Excludes 8,034 sq. miles of forest area not under Forest Department.

(f) Includes areas in Poonch and Chinam Jagirs under Enemy occupation.

(g) This forest area is owned by villagers individually or collectively.

(h) These Forests are not under the control of the Forest Department.

(i) These Forests are controlled and managed by S.D.O.'s Forest Department. Realises only the surcharge and royalty.

(j) Includes 12,782 sq. miles for which details are not available.

(k) Includes 500 sq. miles owned by corporate bodies.

AGRICULTURE

SOME major figures about Indian agriculture : Area of India, 811 mil. acres; area available for land utilization, 614 mil. acres (rest is mostly unsuitable for cultivation); uncultivated area 247 mil. acres (forest 93 mil. acres, area not available for cultivation 96 mil. acres, fallow 58 mil. acres); area actually sown 266 mil. acres; total cropped area taking into account area sown more than once 320 mil. acres; area sown with food crops 235 mil. acres; area sown with non-food crops 31 mil. acres; total area irrigated 49 mil. acres.

Average rainfall 45"; deficiency of 25 per cent is classed dry; deficiency of 40 per cent severe drought; usually one year in five is a dry year; one in ten, a year of severe drought.

The following table* will show the area under principal crops and the yield :

Crops	(In thousand acres)			(In thousand tons)		
	1940-50	1950-51	1951-52 (a)	1940-50	1950-51	1951-52
Food Crops						
Rice	75,114	75,975	75,505	23,170	20,295	20,767
Jowar	38,335	38,419	38,329	5,777	5,403	5,509
Bajra	22,881	22,267	21,856	2,790	2,549	2,153
Maize	8,061	7,704	8,003	2,014	1,701	1,959
Ragi	5,450	5,444	5,296	1,520	1,407	1,187
Small millets	13,382	11,305	11,175	2,242	1,707	1,805
Wheat	24,114	24,134	23,235	6,290	6,374	5,768
Barley	7,860	7,701	7,800	2,215	2,341	2,136
Gram	20,497	18,709	16,719	3,667	3,593	3,157
Sugarcane (b)	3,624	4,214	4,727	4,938	5,616	5,895
Potato	553	588 (a)	617 (c)	1,474	1,629	1,596 (c)
Non-food Crops						
Tobacco	860	902	764	264	263	225
Sesamum	5,055	5,629	5,731	431	453	441
Ground-nut (d)	9,832	11,130	11,755	3,379	3,437	3,037
Rape and mustard	4,781	5,097	5,707	793	748	900
Linseed	3,750	3,447	3,208	411	361	309
Castor-seed	1,458	1,378	1,423	128	104	104
Jute (e)	1,163	1,454	1,951	3,089	3,301	4,678
Cotton (e)	12,173	14,556 (a)	16,214	2,128	2,971 (f)	3,134

(a) Final estimate.

(b) Figures for production expressed in terms of raw sugar (*gur*).

(c) Second estimate.

(d) The production is in terms of nuts in shell.

(e) Figures for the production of jute and cotton are in thousand bales of 400 lb. and 392 lb. each respectively.

(f) Revised estimate.

The figures for cereals and gram include estimates for the non-reporting areas while for other crops the figures relate to reporting areas only.

The agricultural season is divided into two main sub-divisions the Kharif season of the monsoon and the Rabi season of the cold weather. Each of these seasons has its own distinctive crops.

The ground is generally prepared for cultivation in April and May for kharif crops, and by the end of October or early November for rabi crops, i.e., after the kharif crops have been harvested. Kharif crops are sown in the monsoon, generally after the first shower. The usual time for sowing of rabi crops is the middle of November.

The chief Kharif crops are : rice, jawar, bajra, maize, cotton, sugarcane, sesamum and groundnut. The chief Rabi crops are : wheat, barley, gram, linseed, rape and mustard.

The harvest comes on the market as follows : Kharif crop (Nov. 1), Rabi crop (May 1), Rice (Nov. 1), Wheat (May 1), Sugarcane (Nov. 1), Cotton (Sept. 1), Jute (July 1), Kharif oil-seeds (Nov. 1), Rabi oil-seeds (April 1), Tea (Jan. 1), Coffee (July 1), Sugar (Jan. 1).

SOILS

Four main soil groups can be recognised in the sub-continent, viz., (1) the red soil derived from rocks of the Archaean system which characterizes

Madras, Mysore and the south-east of Bombay and extend through the east of Hyderabad and Madhya Pradesh to Orissa, Chota Nagpur and the south of W. Bengal, (2) the black cotton or *regur* soils which overlie the Deccan tract and cover the greater part of Bombay, Berar and the western parts of Madhya Pradesh and Hyderabad with extensions into central India and Bundelkand; *regur* soils also occur in Madras though not so typical as proper *regurs*; (3) the great alluvial plains, agriculturally the most important tract in the country as well as the most extensively cultivated includes mainly the Indo-Gangetic plain embracing northern Rajasthan, most of the Punjab area, the plains of Uttar Pradesh, most of Bihar and the West Bengal area and half of Assam and (4)

vestigations on the nature of soil profiles of the Chautatia Hill in U.P. and of the Kulu Forest in the Punjab area indicate that these soils belong to the brown-earth and podsol groups.

The important question of soil conservation and development is receiving greater attention. A sample soil conservation survey conducted over 80,000 acres of the scarcity tract of Bombay State reveals that over 71 per cent of the land surface has been denuded either partially or severely out of which about 32 per cent is unfit for crop growing.

A basic soil region map of India has been prepared at the Indian Agricultural Research Institute. This will enable each soil region to be used according to its capabilities and treated in accordance with its needs.

Run-off and soil loss studies on black soils of the Deccan derived from basalt have been carried out at the dry farming research station at Sholapur and Bijapur (Bombay) and at Hagari (Madras). The average percentage run-off of total annual rainfall is 18, 22 and 20, and the average soil loss in tons per acre per year, is 44, 8 and 6 at Sholapur, Bijapur and Hagari, respectively, on 1.25 per cent slope. Similar studies are also in progress on the red and laterite soils derived from granite at Nanjanad (Madras), and from old alluvium at Shantiniketan (Visva Bharati Soil Conservation Research Station, West Bengal). At Nanjanad, in one season, the soils loss on 20 per cent slope, was 1 ton per acre under sod and six tons per acre in cultivated fallow. At Shantiniketan, the soil loss is as much as 23 tons in a year in a bare plot on 1.7 per cent slope.

Under the Technical Co-operation Administration Programme a research project on soil fertility and fertilizer use has come into operation at the Indian Agricultural Research Institute. Under this project the twenty major soil regions of India have been grouped into six zones (Poona, Delhi, Kanpur, Nagpur, Colimatore and Sabour) for purposes of soil survey and collection of soil data.

Out of the total cultivated area in the Indian Union of 266.372 million acres about 48.652 million acres are irrigated annually. Of this area 19.8 million acres are irrigated by canals, 12.88 million acres by wells, 8.174 million acres by tanks and 7.78 million acres from other sources. The percentage of irrigated area to total cultivated area is, however, small, being only 18.27 per cent. Protective irrigation works have made agriculture stable instead of precarious in many districts.

About one-quarter of the total irrigation of the country is got from lifting water from wells ranging in depth from a few feet to over fifty feet.

Tank irrigation is common in central and southern India. Large quantities of rain water are stored in lakes (or tanks) during the rainy seasons and distributed during the drier seasons of the year. Often the indirect effect of the tank in maintaining the sub-soil water level is as important as the direct irrigation.

Construction of temporary Bandharas across streams and small rivers after heavy monsoon period is over is also common in parts of Bombay and Madras States for irrigation during the drier Rabi period.

The great bulk of agricultural land in India is deficient in organic matter. In the other agricultural countries of the world, this want is usually met by the return of farmyard manure to the land or by the use of compost made from crop residues and similar waste organic materials. In India, however, cattle dung is largely utilised as village fuel and only about 40 per cent of it is used for manurial purposes.

RICE

Rice crop occupies the largest area in the Indian Union, 75.6 million acres giving an average yield of 632 lb. of rice per acre. The annual consumption of rice in the country is more than the production and there is always a deficit to

* For estimates of production for 1952-53 and for production by State see under "Food".

the extent of 8 to 10 per cent of the total production. In the past, this deficit was usually met by imports from south-east Asian countries especially Burma which alone used to supply about 1.7 million tons of clean rice annually.

Rice is a predominantly tropical crop requiring warm temperature and high humidity. It requires 70°-100°F. temperature throughout its growing period and in India, its distribution follows the rainfall line. Where the annual rainfall exceeds 80" rice is predominant; with 30"-80" it is still an important crop, while under 30" it is grown mostly with irrigation. The principal rice growing areas are located in southern and north-eastern India. On area basis, Madras, Bihar, Bengal, Orissa, Madhya Pradesh, Uttar Pradesh, Assam and Bombay are the main rice growing States and they together claim about 95 per cent of the total rice area in India.

The bulk of the rice is winter crop, i.e., sown in June-July and harvested in November-December, but there are rice grown in different seasons the harvest coming in summer, autumn or winter.

The wide range of conditions under which rice is grown in India has given rise to a large number of varieties, differing greatly in quality and maturity period. There are about 4,000 distinct types of rice in India.

As already stated, the average rice yield in India is low, being only about 723 lb. of cleaned rice per acre as compared to 2,350 lb. in Japan. The low yields of India are due to the following causes:—1. Lack of assured and timely irrigation water in all rice areas. 2. The low level of soil fertility and the general absence of fertilizing practices. 3. Use of indifferent seeds and inefficient methods of cultivation and 4. Losses due to the incidence of diseases and pests.

As regards the improved varieties, a large number of high yielding improved varieties totalling about 300 have already been evolved by the various State Agricultural Departments. However, the systematic multiplication and distribution of these varieties still remain to be done on a wider scale.

The manuring of rice is even more important for increasing the acre yields. The results of a large number of manurial experiments indicate that by the application of moderate doses of nitrogenous fertilizers, specially ammonium sulphate and organic manures like compost, oil cake and green manuring, the yields can be raised by about 25 to 30 per cent.

In view of the importance of the crop in India's agricultural economy, the Indian Council of Agricultural Research has been subsidising since 1932, a chain of research stations all over India and has through them organised a co-ordinated scheme of rice research covering the entire rice growing regions of the country.

Considering the importance of rice crop to Indian Agriculture, the Union Government had set up a Central Rice Research Institute at Cuttack in Orissa in 1946. For stepping up the rice yield in the country a scheme of hybridisation between *Japonica* and *Indica* rice is being worked at this Institute. The *Japonica* varieties are high yielding, give a better per cent of rice to paddy, have short, non-lodging straw and respond to intensive manuring while the *Indica* group germinates quicker, has better tillering capacity and is resistant to drought and diseases.

The seasonal rice crop has different names in different States :

State	Autumn	Winter	Spring
Assam	Ahu, Aus	Hali, Bao	Boro
Bihar	Bhadol	Aghani	..
Bombay	Early	Middle	Late
Madhya Pradesh	Early	Late	..
Madras	First crop	Second crop	..
Orissa	Bhadol	Winter	..
Uttar Pradesh	Early	Late	..
West Bengal	Bhadol, Aus	Aman	Boro

Japanese Method

The Japanese method of cultivation was first tried at Kosbad Agricultural School and Agricultural Research Station, Karjat. By this method, the yield of paddy could be stepped up more than 2-3 times the yield obtained at present under local practice. This method, as more emphasis is laid on higher doses of fertilisers, is only recommended where adequate moisture supply is assured. The main important items of the Japanese method of paddy cultivation are :—Growing seedling on raised seed bed with the help of organic bulky manure and inorganic fertilisers, instead of *rabbing* (burning seed bed) which is the local practice in Bombay; Using less seed per unit area to get healthy and vigorous seedlings, instead of high seedrate used locally; Grading of seeds and treating with perenox as a precaution against blast disease; Green manuring wherever possible with Nan (*Crotolaria Juncea*) in fields at higher levels and *Dhaincha* (*Sesbania aculeata*) in low lying fields; Application of bulky organic manures like compost or F.Y.M. up to 10 cart loads per acre i.e., 10,000 lbs.; To plant the seedlings straight while transplanting and planting them in lines to facilitate after cultivation; To use only 3-4 seedlings per bunch as they are healthy and vigorous; Application of heavy dose of fertilisers at proper time in instalments, as recommended for the region; Weeding the field two times and interculturaling 3-4 times by a hand-hoe as and when required; Proper precautions against diseases and pests as well as treatment with fungicides and pesticides, as and when required; To tie strings as support to the standing crop to prevent damage by lodging at the advanced stage of crop growth; To take a crop of legume, if possible, in rabi season after harvesting paddy. This enriches the soil and gives some returns.

WHEAT

Wheat is grown widely throughout the north as a winter crop, Uttar Pradesh and the Punjab supplying about two-thirds of the total area, and nearly three-quarters of the total outturn in the country. This crop occupies, on an average, about 10 per cent. of the total cultivated area. The majority of the varieties grown belong to the species *Triticum vulgare*. Bombay mostly grows durum wheats in which a number of improved strains are evolved and are spreading rapidly. A new improved wheat, called Niphad-4, having the blood of durum, unglare and dicoccum wheat species has been recently evolved with exceedingly good baking quality. Indian wheats are generally white, red and amber coloured and are mostly classed as soft from a commercial point of view. But there are some well-known Macaroni wheats among these.

The crop is generally grown after a summer fallow and except in irrigated tracts, depends largely on the conservation of the soil moisture from the previous monsoon. On irrigated land 2 to 4 waterings are generally given. The crop is generally harvested in February to April and the threshing and winnowing go on up till the end of May.

The total area under wheat is 23.2 million acres and the total area under improved varieties of wheat 8 million acres.

Unfortunately, wheat is subject to a violent fungus disease called "rust", which is a potent factor limiting wheat production in India. The magnitude of the loss to the wheat crop

during a season in which rust occurs in epidemic form is very great indeed. For instance during 1946-47, as a result of severe rust attack, the Madhya Pradesh and certain other parts of India lost nearly 2 million tons of wheat worth 80 crores of rupees.

The average yield of maize in India is very poor—only 548 lb. (less than 7 inds.) per acre.

MILLETS

Millets are grown mostly in rain-fed areas, supplying food for the poorer classes and fodder for the cattle. The varieties vary greatly in quality, height and suitability to various climatic and soil conditions. Perhaps the two best known varieties are jowar (*Sorghum Vulgare*) the great millet, and bajra the bulrush millet (*Pennisetum typhoides*) which, between them occupy about 50 million acres in the sub-continent.

Besides the major millets called jowar (*Sorghum vulgare*), bajra or *Cumbu* (*Pennisetum typhoides*) and ragi (*Echinochloa coracana*), there are what are known as the lesser or minor millets, such as, sawan (*Panicum crusgalli*), Same (*Panicum mdure*), Varagu (*Panicum miluacum*), Kodon or Kodra (*Paspalum scrobiculatum*), Oodalu (*Echinochloa frumentacea*) and the like, forming almost one sixth of the total acreage under millets.

Generally speaking, the jowars require better land than the bajras and the distribution of the two crops follows the quality of the soil. Both the crops are generally sown in the beginning of the monsoon and so they require to be thoroughly weeded. They are grown mixed with the several pulses especially arhar (*Cajanus Cajon* pigeon pea) and other crops and are commonly rotated with cotton. The subsidiary crops are harvested as they ripen either before the millet is harvested or afterwards. In some States like Bombay rahi juar is also an important crop.

PULSES

Pulses play a vital role in the Indian diet as they form the primary source of protein for the vegetarian population of the country. Some of them form a source of nutritious fodder, while others make excellent green manure crops. Being leguminous plants they enrich the soil and rightly form an inevitable component in mixed cropping as well as the linch pin in most crop rotation. India is very rich in the varieties of pulses comprising Red gram (*Cajanus cajan*), Bengal gram (*Cicer arietinum*), Black gram (*Phaseolus mungo*), Green gram (*P. radiatum*), Matki (*P. aconitifolius*), Horse gram (*Dolichos biflorus*), Mothbean (*Cyathopsis parvaloides*), Khessari (*Lathyrus sativus*), various species of the pisum and such like.

The total area under different pulses in the Indian Union during the years 1949-50 and 1950-51 was 49,833,000 and 45,835,000 acres and the production was 8,129,000 and 7,624,000 tons respectively. Out of this Bengal gram accounts for more than 1/3 of the production, Red gram following it with about 1/4 of production indicating thereby that gram and 'Arhar' are the two major pulse crops of the country.

Types combining resistance to wilt with high yield are available in arhar, keari and gram. A type resistant to virus is also available in wal (field bean) and kulthi (horse gram).

COTTON

Cotton is one of the most important commercial crops in the Indian Union. In 1951-52 owing to 'Grow More Food' campaign and favourable weather conditions in certain areas the estimated area and yield increased to 16.2 million acres and 3.1 million bales, respectively, the average yield being 76 lb.

There is no Indian cotton belt; the States of Bombay, the Punjab, Madhya Pradesh, Madras, Uttar Pradesh, Madhya Bharat, Rajasthan, Saurashtra, PIMP and Hyderabad, all have important cotton tracts producing distinct types. Sowing and harvesting seasons are equally

diverse, the former extending from May to December in different parts of the country and the latter from October to May and June. Yields vary greatly, in the best irrigated tracts the normal yield is about 200 lb. of ginned cotton per acre and yields much above this have been recorded, while in the poorest unirrigated tracts 60 lb per acre is a good crop.

SUGARCANE AND SUGAR

The Indian Union after the partition owned as much as 85.90 per cent. of the total cane acreage and sugarcane yield and over 95 per cent of the total white sugar production of the undivided sub-continent.

During 1951-52 crushing season, the peak production of 1.48 million tons of white sugar was obtained, the area under sugarcane was nearly 4.73 million acres and the yield of cane (in terms of *gur*) was 5.9 million tons. Only about 25 per cent of the total cane produced in the country is crushed in 139 factories which annually function for the manufacture of white sugar while *gur* manufacture utilises about 65 per cent of cane and rest of the cane is consumed for seed, *Khandsari*, chewing, etc.

Over 20 million people are engaged in sugarcane cultivation or are otherwise employed in sugar factories, States and Central Governments' Sugarcane Research Stations and in the Development schemes. U.P. and Bihar continue to be major sugarcane and sugar producing States in the Union.

The Indian Central Sugarcane Committee is a central organisation for co-ordinating sugarcane research and development work. It has budget provisions for 1953-54 for Rs. 8.8 lakhs for sugarcane research and Rs. 33.00 lakhs for sugar-cane development schemes. Another provision of Rs. 4 lakhs has been made for the Sugarcane Research Division of the Central Institute of Sugar Technology and Sugarcane Research at Bhadrak, Lucknow.

OILSEEDS

India is one of the principal oilseeds producing countries of the world. Oilseeds crops also find a prominent place in India the major oilseeds (groundnut, rape and mustard, linseed, sesamum and castor) occupying about 28 million acres during 1950-51. In addition to this, about 18 million acres are under the cotton crop which yields about one million tons of cotton seed.

The following are the major oilseeds grown in India:—

Groundnut—India has the largest area under groundnuts in the world. She accounted for 40.6 per cent. of the groundnut production in the world during 1951. In this country, groundnuts accounted for about 42.5 per cent. and 63.8 per cent. of the total area and production, respectively, under oilseeds crops during 1951-52. Madras ranks first, claiming 35.2 per cent. and 49.9 per cent. of the acreage and production, respectively, under groundnut in India and is followed by Bombay and Hyderabad. The area under this crop in India in 1951-52 was 11,755,000 acres and the production was 3,037,000 tons.

Rape & Mustard—Rape and mustard form an important group of crops in the northern parts of the country. The chief producing areas are Uttar Pradesh, Bihar, Punjab and Assam. The area and production of rape and mustard seeds in India during 1951-52 was 5,707,000 acres and 900,000 tons, respectively.

Linseed—The crop grows well under a variety of soil conditions and is raised extensively in India except in the south of the peninsula. Madhya Pradesh, Uttar Pradesh, Bihar and Hyderabad are the chief seed producing areas, accounting for about 80 per cent. of the total area in India. The area and production of linseed in India during 1951-52 were 3,298,000 acres and 309,000 tons, respectively.

Sesamum—Sesamum (Gingelly) or *til* is grown extensively, almost throughout India. The crop is, however, intensively cultivated in Peninsular India in more than one season in the

year. The area and production of sesamum in India during 1951-52 were 5,731,000 acres and 441,000 tons, respectively.

Castor—The castor plant grows well under varied conditions of soil and climate. It is seen to grow almost throughout the length and breadth of India and up to an elevation of 8,000 ft. Both perennial and annual types are recognised. India comes next to Brazil only in world production and trade of castor seed. The area and production of castor seed in India during 1951-52 were 1,423,000 acres and 104,000 tons, respectively. The statistics of area and production of this crop are, however, considered as under estimates, as no regular reporting is done for the areas sown under mixed crops.

India also produces considerable quantities of coconut, cottonseed, niger, safflower and mohwa seed besides a variety of other vegetable oils, both essential and non-essential, which are produced in quantities, but for which she holds almost a world monopoly.

JUTE

Jute is one of the most important cash crops. The fibre is obtained from the bark of two cultivated species of annual plants called *Corchorus capularis* and *Corchorus olitorius*.

Jute is grown in the alluvial soils of West Bengal, Bihar, Assam, Orissa, Tripura and U.P. It is a Kharif crop and is sown broadcast during February to May on well prepared seed beds.

The outturn of dry fibre of jute generally varies from 8 to 25 mds with an average of 11 mds. per acre, depending upon soil fertility and other factors.

The table below gives the acreage and yield of the Indian Union since 1948 after the partition:—

Year. (Jute year July to June.)	Acreage.	Jute yield in bales.
1948	834,000	2,056,000
1949	1,163,000	3,089,000
1950	1,454,000	3,301,000
1951	1,951,000	4,878,000
1952	1,834,079	4,694,954

Efforts are also directed to improve the quality of Indian jute and various researches are in progress in the Jute Agriculture Research Institute of the Indian Central Jute Committee.

TOBACCO

The tobacco acreage in India is not uniformly distributed but is concentrated in certain areas which form distinct tobacco growing centres of considerable commercial importance. There are 5 zones of concentrated production, viz.:—

(1) *North Bihar and Bengal Area* where tobacco is mostly grown for use in hookah (water-pipe); (2) *The Charotar (Gujarat) Area*; (3) *Nipani Area* (Belgaum, Satara, Kolhapur, Sangli and Miraj in Bombay State) where bidi tobacco is extensively grown (4) *Guntur Area* which is the most important Cigarette Leaf (Virginia Tobacco) producing area which runs along the eastern coast; (5) *Southern Madras Area* comprises mainly of Madura and Coimbatore districts of Madras State where cigar, filler and binder tobacco as well as chewing tobaccos are mostly grown.

The total area under tobacco in the Indian Union in 1950-51 and 1951-52 were 902,000 and 764,000 acres producing 589 and 504 million lb. of dry leaf, respectively.

This excludes the quantity retained for personal consumption by the growers.

MARKETING AND INSPECTION

There is a Central marketing organization called the Directorate of Marketing and Inspection, and a number of State marketing organizations, e.g., in Bombay, Bihar, Hyderabad, Madras, Mysore, Punjab and West Bengal.

The official in charge of the Central Directorate is designated Agricultural Marketing Adviser. The Directorate conducts marketing surveys for a number of commodities and issues reports. About 70 reports have so far been published and among the commodities covered are: rice, wheat, potatoes, gram, barley, grape, bananas, citrus fruit, linseed, ground-nuts, cashewnuts, lac, sugar, coconuts, tobacco, milk, fish, cattle, hides, skins, wool and hair, sheep and goats, eggs, coffee, castor seed, ghee and milk products, arecanuts, rapeseed and mustard, sann hemp and cardamom.

The Agricultural Produce (Grading and Marketing) Act, 1937 aims to provide the consumers with a standardized produce of specified purity and quality under a mark of guarantee. The process of grading and marking is done commercially on a voluntary basis by packers holding a Certificate of Authorization issued by the Agricultural Marketing Adviser. There are now about 550 packers under the various grading schemes.

There are grade specifications for several varieties of rice, fruit, cotton, castor oil, coconut oil, sann hemp, tobacco, ghee, eggs, butter, sugarcane *gur*.

In 1951 the latest year for which figures are available commodities worth Rs. 20.71 crores were graded.

The marketing of certain commodities is also regulated by law in some States. For instance, in Madhya Pradesh cotton is regulated in Amraoti; in Madras cotton is regulated in Tirupur and Tirunelveli, ground nuts in South Arcot and Coimbatore, tobacco in Guntur, West Godavari and Coimbatore, arecanuts, coconuts, ground nuts, tobacco, turmeric and potatoes elsewhere; in Bombay there are over 50 regulated markets; in Hyderabad about 70; in PEPSU about 40; in the Punjab about 60; in Madhya Bharat Gwalior district has 36; in Mysore coconut, copra, oilseeds and jaggery are regulated at Tiptur, there is also a regulated market at Davangere. There are also regulated markets in Ajmer.

The principle of compulsory grading of agricultural produce for export has been recognized by the Planning Commission. They recommended that grading should be completed over a period of five years beginning with 1951-52.

RESEARCH

The Indian Council of Agricultural Research was created in 1929. The Council is divided into a Governing Body composed of State Ministers of Agriculture, certain members of Parliament and representatives of commercial interests, and an Advisory Board consisting of experts. The Governing Body is in charge of general affairs and of the funds, while the Advisory Board examines scientific projects submitted to the Governing Body.

To afford relief to the Governing Body in the discharge of its executive functions there is a Standing Committee. The Governing Body is also assisted by a Board of Research and a Board of Extension. The latter is concerned with pilot schemes.

The Minister for Food and Agriculture of the Government of India is the president of the Council.

In general the Council co-ordinates research work, suggests programmes of research, gives financial assistance for approved schemes, and undertakes other schemes of its own.

There is now an extension service to make known the results of research work to the cultivator.

The annual grants made to I.C.A.R. fall under two main heads:—(a) An annual Government grant for running the administration. This varies from year to year according to requirements, and is estimated to be Rs. 9,97,800 for 1953-54. (b) Payment of the net proceeds of the cess on agriculture produce. The income from this source is estimated to be Rs. 34,00,000 during 1953-54.

Besides these specific grants are made to I.C.A.R. for undertaking certain schemes from time to time. A sum of Rs. 25,14,000 has been provided for this purpose in the 1953-54 budget. Most of this amount will be spent on schemes included in the First Five-Year Plan.

The cess is a customs duty of one half of one per cent *ad valorem* on the following: bones, bristles, butter, cereals other than rice and wheat, drugs, fibre for brushes, fish, fruit, ghee, hides (raw), manures, oil cakes, pulses, seeds, skins (raw), spices, tobacco (unmanufactured), vegetables, wheat, wheat flour, wool (raw). This applies to the whole of India except Jammu and Kashmir.

A number of Central Committees have been set up to promote the production and marketing of agricultural commodities:

Indian Central Cotton Committee, Bombay
Indian Central Jute Committee, Calcutta.
Indian Central Tobacco Committee, Madras.
Indian Central Oil-seeds Committee, New Delhi
Indian Central Coconut Committee, Ernakulam (S. India).

Indian Central Sugar-cane Committee, New Delhi.

Indian Central Arccanut Committee, Calcut (S. India).

Indian Central Lac Cess Committee, Ranchi (Bihar).

All India Cattle Show Committee, Karnal (Punjab).

These Committees are financed by the proceeds of a cess levied on the particular commodity. For instance, for the Cotton Committee there is a cess of As. 4 per bale of 400 lb. of cotton; for the Coconut Committee there is a cess of As. 4 per cwt. on copra consumed in Indian mills; for the Lac Committee the cess is As. 14 per md. of export of lac and As. 10 for refuse lac exported; for the Oil-seeds Committee the cess is 1 anna per md. of oil extracted in mills, and annas 2 per md. of oil-seeds.

The Ministry of Food and Agriculture maintains a number of research laboratories:

1. Indian Agricultural Research Institute, Pusa, New Delhi.
2. Central Potato Research Institute, Patna. Laboratory, at Potato Multiplication Sub-division, Bhowall (U.P.). Laboratory, at Potato Breeding Sub-Station, Simla.
3. Central Rice Research Institute, Cuttack.
4. Research Laboratory, Central Palm Gur Training School, Cuddalore (Madras State).
5. Forest Research Institute and College, P.O. New Forest, Dehra Dun.
6. Sugar Cane Breeding Institute, Coimbatore.
7. Indian Veterinary Research Institute, Izatnagar-Mukteswar (U.P.).
8. Indian Dairy Research Institute, Bangalore.
9. Central Vegetable Breeding Station, Kulu, P.O. Naggar, District Kangra (Punjab).
10. Central Marine Fisheries Research Station, Mandapam, P.O., Southern Railway.
11. Central Inland Fisheries Research Station, Manirampur, Pulta P.O., Barrackpur, 24 Parganas.
12. Deep Sea Fishing Station, Bombay.

A number of research institutes, stations and farms are also maintained by the Central Commodity Committees:

- The Indian Central Cotton Committee has:
1. Technological Laboratory, Matunga.
 2. Institute of Plant Industry, Indore.

The Jute Committee has:

1. Jute Agricultural Research Institute, Barrackpore (West Bengal).
2. Technological Research Laboratories, Tollygunge, Calcutta.
3. Economic Research Section, Indian Central Jute Committee, Calcutta.

The Tobacco Committee has:

1. Central Tobacco Research Institute, Rajahmundry.
2. Cigar and Cherooot Tobacco Research Station, Vadasandur.
3. Hookah and Chewing Tobacco Research Station, Pusa, Bihar.
4. Cigarette Tobacco Research Sub-station, Guntur.
5. Wrapper Tobacco Research Station, Dinahatta (West Bengal). (Was to be started in 1953-54.)

The Coconut Committee has:

1. Central Coconut Research Station, Kasaragod.
2. Central Coconut Research Station, Kayangulam.

The Sugar Committee has:

Sugar-cane Sub-Station, Karnal (Punjab).

LAND POLICY

In general agricultural policy is made up of the following:

Grow More Food Campaign, research, land reform, land army (in contemplation).

There are three main systems of land tenure: the *ryotwari* or peasant proprietary tenure, where the individual owners are responsible for the payment of land revenue; the *zamindari* or landlord tenure where one or more persons jointly own a large estate and are responsible for the payment of land revenue; the *mahalswari* or joint village tenure where village communities jointly hold an estate and are jointly and severally responsible for the payment of land revenue.

The *ryotwari* system prevails largely in Bombay and Madras; the *zamindari* in West Bengal, Bihar, parts of Assam, Orissa, Madras and Uttar Pradesh; the *Mahalswari* in Madhya Pradesh, the Punjab and parts of U.P.

The system of intermediaries (zamindars, taluqdars, jagirdars, inamdars, malguzars, and similar special tenure holders) has been abolished in all States wherever they existed.

In Bombay, Saurashtra, Madras, Hyderabad, Himachal Pradesh, Delhi, Punjab, PEPSU, Madhya Pradesh, Uttar Pradesh, there is also legislation which confers security of tenure, fixes rent, puts a limit on the acquisition of land in the future, bans lease of land, vests proprietary rights in occupancy tenants and so on.

In Jammu and Kashmir land reform has been more drastic. A certain ceiling was fixed to the amount of land a man could hold, and the excess over that was distributed without compensation.

The land revenue is assessed differently in different States. In the following States it is a fixed share of the net produce: Madras 50 per cent; Punjab 25 per cent; Uttar Pradesh 40 per cent. In these States it varies from time to time: Bombay, Hyderabad, Mysore, parts of Madhya Pradesh.

Wherever there was permanent settlement (West Bengal, Bihar, parts of Madras, Assam, Orissa and U.P.) it will automatically end with the abolition of *zamindari*.

One of the problems of Indian agriculture is the small size of the average holding and of fragmentation. The average size of a holding for the whole of India is 5 acres, but this varies from State to State: Hyderabad 12 acres, Bombay 11.7 acres, Punjab 10, U.P. 6, West Bengal 4.5, Madras 4.4. The majority of the holdings will be less than 5 acres, a great majority indeed less than 2.

The movement towards consolidation of holdings is partly voluntary and partly compulsory. Legislation towards this end has been enacted in the following States: Bombay, Delhi, Jammu and Kashmir, PEPSU, Punjab, U.P.

There is, in fact, a general movement towards fixing a maximum and minimum on land holdings. Co-operative farming is also being organized.

Out of about 250 million agricultural population 2 per cent is non-working land-lords, 67 per cent peasant proprietors, 13 per cent tenants and 18 per cent landless labourers. There is tenancy legislation in many States while minimum wages for agricultural workers are fixed in Ajmer, Bilaspur, Delhi, Himachal Pradesh, Kutch, Patna District of Bihar, Punjab.

It may be mentioned here that upto Oct. 5, 1953 the donations of land to the Bhoodan movement totalled 2,127,217 acres. Out of this 35,481 acres were redistributed among 5,576 families.

LAND USE

The topographical factors are as follows (the figures which are in lakh acres are inclusive of Jammu and Kashmir):

Total land area, 8,126; mountains, 873, hills, 1,506, plateau, 2,248, plains, 3,498; unusable area, 3,082, topographically usable area, 5,044.

Land area per capita - 2.25 acres.

The high density sub-regions are as follows:

Sub-regions	Population (lakhs)	Density per sq. mile	Land area (lakhs acres)
Lower Gangetic Plains	700	832	538
Upper Gangetic Plains	389	681	366
Malabar-Konkan	238	638	239
South Madras	307	554	355
North Madras and Orissa Coastal ..	211	461	293
Total 5 sub-regions	1,845	660	1,791

The medium density sub-regions are as follows:

Sub-regions	Population (lakhs)	Density per sq. mile	Land area (lakhs acres)
Trans-Gangetic Plains	259	332	499
South Deccan	315	247	817
North Deccan	239	246	621
Gujarat-Kathiawar	161	226	456
Total	974	1,051	2,393

The low density sub-regions are as follows:

Sub-regions	Population (lakhs)	Density per sq. mile	Land area (lakhs acres)
The Desert	46	61	483
Western Himalayas	90	68	852
Eastern Himalayas	124	118	674
North-West Hills	104	163	409
North Central Hills and Plateau	138	164	537
North-East Plateau	290	192	967
Total	792	129	3,921

The following table shows the indices of land use in the high density, medium density and low density sub-regions :

Indices	High	Medium	Low	* India
Percentage of net area sown to total land area	50	50	19	35
Percentage of net area sown to topographically usable area	62	70	40	56
Double-crop percentage	23	6	12	13
Irrigation percentage	25	11	10	16
Fallow percentage	18	26	22	22
Percentage of forests	11	11	22	15
Percentage unavailable	17	15	16	16
Percentage unused	12	8	27	17

It has been found by sample study of Districts in different parts of the country (with a population of 12 crores) that the area of cultivated land per capita has fallen from 1891 to 1951 in some such proportion as the following (the area is given in cents) :

1891—100 ; 1901—103 ; 1911—109 ; 1921—111 ; 1931—104 ; 1941—94 ; 1951—84.

The same study revealed that double-crop area per capita has also fallen from 1891 to 1951 :

1891—12 ; 1921—13 ; 1951—10.

The irrigated area per capita has fallen :

1891—16 ; 1921—18 ; 1951—14.

FIVE-YEAR PLAN

The Plan seeks to overcome or reduce the existing shortages of food and raw material and transform the village environment and outlook of the rural population.

The outlay is as follows (Rs. in crores) :

Agriculture	184.22
Veterinary, dairying	22.28
Forests	11.60
Co-operation	7.11
Fisheries	4.64
Rural development	10.47
Community Projects	90.00
Local Works	15.00
Programme for Scarcity affected areas	15.00
Total	360.41

The targets to be attained are additional production of 7.6 million tons of foodgrains, 1.26 million bales of cotton, 2.09 million bales of jute, 0.7 million tons of sugar, 0.4 million tons of oilseeds.

The major and minor irrigation works will irrigate 16.7 million acres.

Under the reclamation programme 7.4 million acres are to be brought under the plough by the Central and State Governments at a cost of Rs. 36 crores. About 1.4 million acres will

be reclaimed by the Central Tractor Organization, 1.2 million acres by similar organizations in the States. The remaining 4.8 million acres are expected to be developed by the farmer with the assistance of the State.

Improved seeds and fertilizers will be supplied and the use of improved implements encouraged.

Besides schemes drawn up in consultation with the Central Government there are supplementary schemes proposed by the Commission.

The allotments for the latter are as follows (rupees in crores) :

Additional provision for minor irrigation works	30
Construction of tube-wells	6
National extension organization	3
Grow More Food (1952-53)	10
Community Project	90

Under the Plan finance will be made available to the cultivator through the Reserve Bank, as well as by the States through co-operative credit societies.

It is hoped that by the end of the Plan period Rs. 100 crores, Rs. 25 crores, and Rs. 5 crores will be made available as short term, medium term, and long term loans respectively.

About land policy, the Commission thinks that there should be an upper limit to the amount of land held by one person. This will apply to resumption of land for personal cultivation and future acquisition.

Tenants who hold land should be enabled to acquire ownership on payment of compensation. Where such land is cultivated by the owners themselves the test should be efficiency. Farms which are badly managed should be taken over by the State and cultivated through the co-operatives of landless or displaced workers.

Owners of middle-sized and small farms should be encouraged to develop their production on a co-operative basis. If they do not resume land for personal cultivation within a reasonable period the tenants should be allowed to become the owners.

A tenancy should last at least for five years and should be renewable.

Rents should vary between one-fourth and one-fifth of the produce.

There should be co-operative village management under which land and other resources are pooled and utilized in the interests of the community as a whole.

For the same type of work everyone should receive the same remuneration.

Increased facilities for training and experiments in co-operative farming are to be provided at a cost of Rs. 50 lakhs.

A sum of Rs. 2 crores has been provided for settling landless agricultural workers on reclaimed land.

The State should also provide them with house sites, give preference to co-operatives of landless workers in the allotment of reclaimed land, entrust co-operatives of agricultural workers with construction work on behalf of the Public Works and Forest Departments.

AGRICULTURAL TABLES*

AREA CULTIVATED AND UNCULTIVATED IN EACH STATE (Thousand Acres)

State	AREA (According to village papers)	
	1948-49	1949-50
Assam	33,400 (a)	33,400 (a)
Bihar	44,330	44,790
Bombay	58,049	70,212 (b)
Madhya Pradesh	82,997	83,104
Madras	80,796	80,787
Orissa	20,142	18,264
Punjab	23,236	23,208
Uttar Pradesh	71,428	72,224
West Bengal	19,549	19,549
Hyderabad	52,927 (c)	52,927 (c)
Jammu and Kashmir	3,300**	5,799**
Madhya Bharat	28,552	27,625
Mysore	17,385	17,385
PEPSU	6,491	6,371
Rajasthan	20,669	20,669
Saurashtra	1,397	1,397
Travancore-Cochin	5,350	5,350
Ajmer	1,561 (c)	1,561 (c)
Bhopal	4,432 (c)	4,406 (c)
Bilaspur	285	285
Coorg	1,012	1,012
Delhi	366	366
Himachal Pradesh	1,056	1,056
Kutch	4,974 (d)	5,093 (e)
Tripura	2,634 (c)	2,634 (e)
Vindhya Pradesh	1,610	14,356
Total	582,888 (f)	614,610 (g)

* In the tables that follow there is some discrepancy in the estimates made in Delhi (in table on p. 98) and those made in Bombay as shown in the following tables.

(a) Includes 835 thousand acres for which details are not available.

(b) Includes 1,603 thousand acres in respect of Banaskantha district of Bombay for which details are not available.

(c) Difference is due to different method of survey.

(d) Includes 151 thousand acres for which details of classification are not available.

(e) Includes 62 thousand acres for which details of classification are not available.

(f) Includes 986 thousand acres for which details of classification are not available.

(g) Includes 2,500 thousand acres for which details of classification are not available.

** Excludes 'enemy held' portion of the State.

CLASSIFICATION OF AREA IN EACH STATE

State	(Thousand acres)									
	Forests		Area not available for cultivation		Other uncultivated land excluding current fallows		Fallow lands		Net area sown	
	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50
Assam ..	4,200	4,062	4,248	4,248	17,038	16,946	1,708	1,739	5,371	5,570
Bihar ..	6,612	7,884	6,882	3,747	6,516	5,574	7,174	4,737	17,646	22,848
Bombay ..	8,913	9,914	7,056	8,473	1,934	2,098	6,883	7,042	33,263	41,062
Madhya Pradesh ..	23,572	23,645	5,965	5,817	20,098	20,267	4,784	4,919	28,578	28,456
Madras ..	13,515	13,814	14,424	14,647	11,874	11,272	10,049	9,716	30,934	31,308
Orissa ..	2,606	2,502	6,555	4,736	3,210	3,498	1,180	1,169	6,591	6,359
Punjab ..	769	759	6,172	6,034	2,454	2,587	2,315	1,880	11,526	11,948
Uttar Pradesh ..	7,502	7,819	11,859	11,834	10,311	10,240	2,727	2,562	39,029	39,769
West Bengal ..	1,709	1,713	3,044	3,046	1,925	1,919	1,244	1,159	11,627	11,720
Hyderabad ..	6,187	6,187	8,232	8,572	1,016	985	15,171	13,119	22,321	24,064
Jammu & Kashmir ..	417*	1,472*	1,012*	1,801*	408*	564*	487*	408*	1,036*	1,556*
Madhya Bharat ..	2,738	2,880	4,899	6,215	5,032	6,669	927	1,109	8,956	10,752
Mysore ..	1,957	1,957	5,705	5,705	1,460	1,460	1,807	1,807	6,456	6,456
PEPSU ..	78	46	469	398	902	936	4,456	876	4,386	4,115
Rajasthan ..	655	655	4,223	4,223	4,544	4,544	2,862	2,862	8,385	8,385
Saurashtra ..	7	7	155	155	222	222	—	—	1,013	1,013
Travancore-Cochin ..	1,542	1,542	482	482	429	429	68	68	2,829	2,829
Almer ..	47	47	596	595	305	303	274	247	339	369
Bhopal ..	988	953	914	937	592	858	385	107	1,553	1,551
Bilaspur ..	36	30	29	29	131	136	11	15	78	75
Coorg ..	331	331	250	250	226	226	40	35	165	170
Delhi ..	—	(a)	75	80	54	50	13	11	224	225
Himachal Pradesh ..	380	342	412	365	642	627	44	80	578	562
Kutch ..	108	127	1,407	1,407	1,200	1,200	1,886	1,466	222	741
Tripura ..	1,751	1,751	17	17	501	501	—	14	397	387
Vindhya Pradesh ..	203	2,740	315	2,211	440	4,297	192	1,046	460	4,062
Total ..	86,787	93,143	94,897	96,024	93,364	98,400	62,891	58,171	243,963	266,372

(a) Less than 500 acres.

* Excludes 'Enemy held' portion of the State.

AREA UNDER OIL SEEDS IN 1948-49 AND 1949-50

(Area in thousand acres)

State	Linseed		Sesamum		Rape and Mustard		Groundnut		Castor		Coconut		Other Oil seeds		Total Oil seeds	
	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50
Assam ..	4	3	30	27	314	317	..	..	4	2	..	2	..	5	352	356
Bihar ..	536	353	84	37	490	372	..	..	33	15	..	..	233	238	1,426	1,017
Bombay ..	68	67	173	289	29	39	2,039	2,637	99	117	25	31	617	692	3,050	3,872
Madhya Pradesh ..	1,124	1,159	409	373	163	178	629	720	33	28	..	..	417	408	2,775	2,865
Madras ..	6	15	613	759	1	2	3,699	3,763	230	224	623	633	55	58	5,226	5,458
Orissa ..	7	3	78	89	23	20	33	29	23	20	11	11	91	94	266	266
Punjab ..	20	22	41	55	239	274	68	60	(b)	(b)	..	..	1	2	360	413
Uttar Pradesh ..	191	180	159	143	186	209	238	207	9	9	..	..	28	30	861	778
West Bengal ..	44	61	25	15	156	201	..	..	..	..	17	..	23	20	265	300
Hyderabad ..	475	547	780	694	6	7	1,470	1,623	745	877	..	..	956	1,036	4,381	4,784
Jammu & Kashmir ..	27	39	15	16	41	6	..	(b)	..	..	..	..	(b)	5	83	66
Madhya Bharat ..	267	300	205	297	50	82	200	270	4	1	..	..	52	11	778	961
Mysore ..	1	1	63	63	7	7	248	248	92	92	172	172	101	101	684	684
PEPSU ..	1	1	11	4	85	52	37	28	..	..	..	..	24	39	158	124
Rajasthan ..	125	125	297	297	251	251	19	19	1	1	..	..	59	59	752	752
Saurashtra ..	..	..	82	82	..	..	125	125	..	..	..	..	..	..	207	207
Travancore-Cochin ..	..	..	68	68	(b)	(b)	24	24	(b)	(b)	606	606	6	6	704	704
Ajmer ..	(b)	(b)	14	19	(b)	1	(b)	(b)	..	..	..	..	..	..	14	20
Bhopal ..	58	55	34	27	1	1	2	2	(b)	(b)	..	..	7	7	102	92
Bilaspur ..	(b)	(b)	1	(b)	(b)	1	..	..	..	..	..	..	..	..	1	1
Coorg ..	..	..	(b)	(b)	..	..	(b)	..	..	..	(b)	(b)	..	..	(b)	(b)
Delhi ..	..	..	(b)	(b)	2	3	..	..	..	..	..	..	(b)	(b)	2	3
Himachal Pradesh ..	2	2	1	(b)	20	21	..	(b)	..	..	..	..	1	(b)	24	23
Kutch ..	..	..	3	8	1	1	1	2	(b)	(b)	..	..	(b)	(b)	5	11
Tripura ..	..	..	11	10	13	10	..	..	..	..	..	..	..	..	24	20
Vindhya Pradesh ..	12	187	48	261	1	42	(b)	(b)	(b)	1	..	..	..	7	61	498
Total ..	2,960	3,121	3,195	3,636	2,070	2,007	8,862	9,741	1,278	1,387	1,454	1,455	2,721	2,818	22,570	22,275

(b) Below 500 acres.

AREA UNDER DIFFERENT CASH CROPS IN 1948-49 AND 1949-50.

(Thousand acres).

State	Sugarcane		Cotton		Jute		Other Fibres		Tea		Coffee		Tobacco	
	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50
Assam ..	61	59	31	30	225	231	9	13	389	400	..	..	20	20
Bihar ..	380	374	44	17	163	332	6	59	4	4	..	..	120	54
Bombay ..	188	184	2,122	2,491	(b)	(b)	66	86	(b)	(b)	(b)	(b)	213	239
Madhya Pradesh ..	59	47	3,053	2,819	..	..	118	105	..	..	..	..	8	8
Madras ..	176	181	1,633	1,691	39	78	150	192	56	81	50	67	322	345
Orissa ..	35	31	9	9	30	47	10	8	..	..	(b)	(b)	31	31
Punjab ..	306	270	239	322	..	..	17	19	9	9	..	..	7	8
Uttar Pradesh ..	2,116	2,100	119	107	6	10	226	191	6	6	..	..	60	64
West Bengal ..	66	58	(b)	(b)	350	498	13	17	209	198	..	..	51	47
Hyderabad ..	96	70	2,048	2,223	..	..	333	314	..	..	..	..	31	31
Jammu and Kashmir ..	2	2	6	6	..	2	2	(b)	..	(b)	..	..	2	1
Madhya Bharat ..	61	41	926	1,218	54	35	36	2	..	..	..	..	5	11
Mysore ..	49	49	66	66	1	1	7	7	4	4	101	101	25	25
PEPSU ..	67	60	181	218	3	..	4	7	..	..	..	..	2	2
Rajasthan ..	28	28	92	92	..	..	18	18	..	..	..	..	9	9
Saurashtra ..	5	5	47	47	..	..	..	..	..	..	..	..	..	..
Travancore-Cochin ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cochin ..	18	18	15	15	1	1	..	..	91	91	9	9	(b)	(b)
Ajmer ..	1	1	12	13	(b)	(b)	(b)	..	..	..	..	..	(b)	(b)
Bhopal ..	12	10	20	21	4	..	(b)	4	..	..	..	..	(b)	(b)
Bilaspur ..	(b)	1	1	1	(b)	..	..	(b)	..	..	..	..	(b)	(b)
Coorg ..	(b)	(b)	..	(b)	..	..	..	(b)	1	1	41	42	(b)	(b)
Delhi ..	6	4	(b)	(b)	..	..	(b)	(b)	..	..	..	..	1	1
Himachal Pradesh ..	3	2	1	(b)	(b)	..	(b)	..	2	2	..	..	3	2
Kutch ..	(b)	1	24	25	..	..	..	..	11	11	..	..	1	(b)
Tripura ..	5	5	25	23	12	13	..	..	..	..	..	..	..	..
Vindhya Pradesh ..	3	6	1	4	(b)	..	(b)	7	..	..	..	..	(b)	2
Total ..	3,745	3,607	10,715	11,458	888	1,278	1,015	1,049	782	807	201	219	912	900

(b) Below 500 acres.

AREA UNDER REST OF CROPS IN 1948-49 AND 1949-50 IN EACH STATE.

(Thousand acres).

State	Condiments and Spices		Indigo and other dyes		Opium		Other drugs and narcotics		Fodder Crops		Fruits and Vegetables		Miscellaneous Crops			
													Food		Non-food	
	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50
Assam ..	(b)	1	..	..	..	..	..	1	14	26	593	516	(i)	(i)	207	340
Bihar ..	56	96	(b)	..	..	..	..	..	14	N.A.	370	721	369	35	223	(k)
Bombay ..	254	321	(b)	(b)	1	..	40	32	3,064	4,256	286	336	19	281	89	209
Madhya Pradesh ..	158	160	(b)	(b)	..	..	(b)	1	487	458	219	218	4	3	1	1
Madras ..	637	660	20	18	13	..	151	162	443	481	826	867	52	52	176	206
Orissa ..	21	19	1	1	..	..	7	7	12	12	185	162	112	89	123	130
Punjab ..	22	40	6	6	2	2	(b)	(b)	1,848	1,998	106	131	10	13	1	46
Uttar Pradesh ..	105	116	2	3	18	16	2	2	1,860	1,756	508	610	155	257	20	24
West Bengal ..	22	28	..	..	..	..	6	6	22	7	874	390	44	27	29	13
Hyderabad ..	444	442	11	2	..	..	5	3	32	43	77	70	7	7	6	7
Jammu and Kashmir ..	3	4	..	..	..	(b)	2	2	10	26	33	35	4	108	120	100
Madhya Bharat ..	31	55	(b)	(b)	20	18	1	9	45	36	41	78	147	..	42	3
Mysore ..	162	162	(b)	(b)	..	..	69	69	191	191	99	99	96	96	107	107
PEPSU ..	12	13	..	..	(b)	(b)	..	..	1,157	701	21	67	30	30	154	238
Rajasthan ..	144	144	1	1	8	8	(b)	(b)	444	444	25	25	495	495	317	317
Saurashtra ..	..	..	..	..	..	..	..	..	104	104	8	8	..	..	..	..
Travancore-Cochin ..	165	165	(b)	(b)	..	..	26	26	46	46	588	588	104	104	128	128
Ajmer ..	4	4	..	..	..	..	..	..	10	9	6	6	22	14	11	15
Bhopal ..	6	6	..	..	..	..	..	..	270	276	7	8	1	..	(b)	(b)
Bilaspur ..	(b)	(b)	..	..	(b)	(b)	..	..	(b)	(b)	(b)	(b)	..	(b)	..	..
Coorg ..	12	14	..	..	..	..	..	..	..	..	19	20	..	..	..	..
Delhi ..	1	1	(b)	(b)	..	..	..	..	31	34	6	9	4	(b)	1	1
Himachal Pradesh ..	1	1	(b)	..	4	3	1	(b)	1	2	8	19	34	3	3	4
Kutch ..	(b)	1	..	..	..	..	..	..	90	210	1	4	..	..	(b)	(b)
Tripura ..	..	1	..	..	..	..	..	..	..	..	..	2	..	..	..	..
Vindhya Pradesh ..	2	5	..	..	..	..	(b)	(b)	..	55	4	15	1	31	(b)	..
Total ..	2,262	2,459	41	31	66	47	310	320	10,203	11,171	5,000	5,003	1,760	1,645	1,758	1,939

(b) Below 500 acres. (i) Included under non-food crops. (k) Included under food crops. N.A. Not available.

AREA UNDER ALL CROPS IN 1948-49 AND 1949-50 IN EACH STATE.

(Thousand acres).

State	Total Area Sown		Area Sown more than once		Net Area Sown	
	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50
Assam ..	6,191	6,393	820	823	5,371	5,570
Bihar ..	22,358	29,133	4,712	6,285	17,646	22,848
Bombay ..	34,473	42,363	1,210	1,281	33,263	41,082
Madhya Pradesh ..	32,035	32,194	3,457	3,738	28,578	28,456
Madras ..	35,796	36,345	4,862	5,037	30,934	31,308
Orissa ..	7,631	7,324	1,040	965	6,591	6,359
Punjab ..	13,337	14,136	1,811	2,188	11,527	11,948
Uttar Pradesh ..	49,209	49,228	10,180	9,459	39,029	39,769
West Bengal ..	12,978	13,011	1,351	1,291	11,627	11,720
Hyderabad ..	22,530	24,199	209	135	22,321	24,064
Jammu & Kashmir ..	1,301	1,664	265	108	1,036	1,556
Madhya Bharat ..	9,691	11,440	735	688	8,956	10,752
Mysore ..	6,598	6,598	140	140	6,458	6,458
PEPSU ..	4,844	4,790	458	675	4,386	4,115
Rajasthan ..	9,450(j)	9,450(j)	1,065	1,065	8,385	8,385
Saurashtra ..	1,013	1,013	..	..	1,013	1,013
Travancore-Cochin ..	3,046	3,046	217	217	2,829	2,829
Ajmer ..	388	406	49	37	339	369
Bhopal ..	1,602	1,808	49	57	1,553	1,551
Bilaspur ..	124	120	46	45	78	75
Coorg ..	166	171	1	1	165	170
Delhi ..	256	274	32	40	224	225
Himachal Pradesh ..	1,058	911	480	349	578	562
Kutch ..	245	564	23	23	222	741
Tripura ..	472	457	75	70	397	387
Vindhya Pradesh ..	520	4,850	60	788	460	4,062
Total ..	277,310(j)	301,886(j)	33,347	35,514	243,963	266,372

(j) Includes 10,000 acres for which cropwise details are not available.

YIELD PER ACRE OF PRINCIPAL CROPS IN INDIA
(In Lb.)

Crops	1949-50	1950-51	•1951-52	Crops	1949-50	1950-51	1951-52
Rice	688	598	632	Cotton	85	80	76
Jowar	338	315	322	Jute	1,062	908	959
Bajra	273	256	221	Tobacco	688	653	680
Maize	560	489	548	Tur or arhar	403	703	678
Ragi	625	579	494	Ginger dry	943	820	800
Small millets	375	340	302	Pepper (black)	354	352	327
Wheat	584	592	556	Chillies dry	510	528	545
Barley	631	681	618	Tea	815	842	N.A.
Gram	401	430	423	Coffee	246	266	N.A.
Suarcano	3,052	2,985	2,793	Rubber	275	305	N.A.
Potatoes	5,897	6,168	6,206	Bananas	13,917	13,760	12,536
Sesamum	191	180	172	Papaya	13,892	13,720	13,440
Groundnut	770	692	579	Sweet potatoes	5,604	4,646	4,953
Rape & Mustard	372	329	353	Tapioca	7,005	6,985	6,371
Linseed	244	235	210	Turmeric	1,989	1,981	1,969
Castor seed	197	169	164	Sann hemp	438	449	441

N.A.—Not available.

N.B.—The yields per acre given in the statement have been obtained by dividing total production by corresponding total acreage of each crop. In case of plantation crops (tea, coffee and rubber) they relate to plucked or tapped areas.

LIVESTOCK

IT is estimated that there were about 291.5 million livestock in 1950-51. Of these the cattle formed about 150 million, the buffaloes about 45 million, sheep and goats about 88.6 million and horses, ponies, mules, donkeys, camels and pigs about 7.9 million. Besides these, there were 70 million poultry.

In the same year Rs. 7.17 crores worth of livestock was imported and Rs. 12.16 crores worth of livestock was exported.

For draught purposes cattle are mainly used everywhere though male buffaloes are important as draught animals in the rice tracts and damper parts of the country. For dairy purposes, the buffalo is important, the milk yield being high and the percentage of butter fat considerably above that in cow's milk.

The best known breeds are the Murrah, Nili and Ravi buffaloes of the Punjab, the Jafferbadi buffaloes of Saurashtra, Mehsana of Gujarat, Nagpuri of central India and the Surti and Pandharpuri, a type of Nagpuri buffaloes of Bombay State. The spread of cultivation has diminished the grazing grounds, insufficient fodder crops are raised and many of the cattle are small, ill-fed and inefficient.

Draught cattle.—Hissar (Punjab); Khorigarh and Powar (U.P.); Nagore (Rajputana); Malvi (M.B.); Gosalao (M.P.); Khillar, Krishna Valley; Dangl (Bom.); Ongole and Kangayam (Madras); Hallikar and Amritmahal (Mysore); Nimar (M.B., M.P. and Bom.).

Milk cattle.—Sindhi and Sahiwal (both of West Pakistan, but small herds of which exist in the country).

Dual-purpose cattle.—Hariana (Punjab); Kankrej (Bom.); Gir (Saurashtra and Bom.); Tharparkar (Kutch).

It has been estimated that the number of sheep in the country is about 39 million and that the total quantity of wool produced is 55 million lb. annually. The yield of wool per sheep varies greatly in different parts of the country. In Punjab, Uttar Pradesh, Rajasthan and Saurashtra, the annual production per sheep is estimated at between 3.1 lb. and 4 lb., while in the rest of the States it does not exceed 1 lb. The average for the whole of the country is in the neighbourhood of 2 lb. per sheep per year.

Poultry-keeping is an important subsidiary industry of the poorer classes. Indigenous poultry of low grade produce on an average 50 small-sized eggs per year. Steps are being

taken to improve them by grading up with foreign breeds like Rhode Island Red, White Leghorn and Minorca.

DAIRYING

Intensive steps are being taken by most States to improve the cattle, both from the view-point of draught and milk production and many important schemes have been put in operation.

Despite the large vegetarian population and large number of cattle, the dairy industry is still unorganised. Of 195 million cattle and buffaloes, 70 million or 36 per cent. are milch animals (females over 3 years). Milk yield is, however, low: Cow 413 lb. per year, buffalo 1,101 lb. Though buffaloes form only 30 per cent. of milch animals, due to their comparatively high yield, they account for 54 per cent. of the total milk produced. Buffalo milk has butter fat content 6.5 to 7 per cent as against 4 to 5 per cent. of cow.

Gross production of milk is 21.42 million tons, of which 14.5 million tons are marketed, the rest being used for home consumption or fed to calves. *Per capita* daily consumption of milk and milk products varies from 16.89 oz. in the Punjab to 2.64 oz. in Orissa; average 5.5 oz.

Most of the States have appointed Dairy Development Officers to organize dairying both on co-operative lines as well as through private enterprise.

The Government of Bombay has established a very large milk colony at Aarey near Bombay where about 15,000 animals are housed under the most modern conditions and milk supplied to Bombay City after pasteurization. Milk supply schemes are operating in various States.

Research in dairying is done at the Indian Dairy Research Institute at Bangalore. This Institute also runs courses in Animal Husbandry and Dairying.

ANIMAL DISEASES

There are nine Veterinary Colleges in India, one each at Gauhati, Patna, Calcutta, Bombay, Mathura, Hyderabad, Madras, Hissar and Jabalpur.

The chief research centre is the Indian Veterinary Research Institute at Mukteswar in Uttar Pradesh and its branch at Izatnagar, near Bareilly. This institute is maintained by the Government of India.

The Indian Veterinary Research Institute also manufactures large quantities of sera and vaccines for the use of the State Department. Serum Institutes have also been opened in various States such as Bombay, Madras, Hyderabad and Uttar Pradesh.

The chief diseases that the Animal Husbandry and Veterinary Departments have to deal with are glanders and surra in equines, and rinderpest, foot and mouth disease, haemorrhagic septicaemia, black quarter and anthrax in ruminants while tuberculosis, Johne's disease and contagious abortion are assuming greater importance than in the past. Glanders and surra are both scheduled diseases under the Glanders and Farcy Act. Glanders is incurable but surra can now be successfully treated with Naganol or Antypol. This disease (surra) also affects camels, cattle and dogs and in recent years its importance as a bovine disease has been more widely recognised.

Of the diseases of ruminants mentioned, all, with the exception of foot and mouth disease, can now be controlled either by means of sera or by vaccines.

Indian poultry are also subject to several contagious diseases. The dreaded "Ranikhet" disease is fairly wide-spread and its ravages have seriously hampered the poultry industry. A chick-passaged vaccine has now been developed at the Indian Veterinary Research Institute and trials conducted in the field have been very encouraging. Fowl pox and fowl cholera vaccines are available for the protection of poultry against those diseases.

FIVE-YEAR PLAN

Total allotment—Rs. 22.28 crores.

Useless cattle should be removed to gosadans. One hundred and sixty of these are to be opened in areas with grazing facilities at a cost of Rs. one crore.

To improve stock 600 centres are to be started under the key village scheme. Breeding will be confined to three or four superior bulls of known pedigree, and inferior bulls will be removed or castrated. Each centre will comprise three or four villages having about 500 cows of over three years of age.

The number of veterinary hospitals will be increased from 2,000 in 1951 to 2,000 in 1956. Steps will also be taken to increase fodder supply.

FOOD

TOTAL foodgrains available in the country (production plus imports) were as follows (figures in million tons):

1948-49: 54, 1949-50: 61; 1950-51: 48.12; 1951-52: 46.42, 1952-53: 46.28.

The total population under rationing in 1952 was 31.25 millions.

The total quantity of foodgrains distributed by Governments in 1952 was 6.69 million tons.

It may be pointed out here that the Nutrition Advisory Committee has recommended 14 oz. of cereals per consumption unit as the requirement for a balanced diet.

The year 1953 opened with a stock of 1.9 million tons with the Central and State Governments.

The provisional target of imports was set at 2.9 million tons.

The estimated production for 1953 is 47.58 million tons.

The total loss to the Central Government on account of subsidies during 1952-53 was Rs. 21.11 crores including a special subsidy of Rs. 3 crores granted to Travancore-Cochin.

The main planks of food policy was bulk imports of food grains, internal procurement and controlled distribution to the more vulnerable sections of the population.

From June 1952 there was a certain degree of relaxation in controls. The main features of this change were: the substitution of statutory rationing by fair price shops, modification in the procurement system, greater freedom in inter-State movement of food grains, liberalization of food austerity regulations.

Coarse grains were completely decontrolled in 1954 January, and foreign wheat in February.

It was expected that wheat would be completely decontrolled in 1954. But control on rice would remain.

But there was no change in the basic policy of maintaining strategic controls.

Population under statutory rationing: 1951-52: 31.2 million, 1952-53: 31.2 million.

Population covered by other types of rationing including Fair Price Shops: 1951-52: 68.2 million, 1952 (Dec.): 97.1 million.

Total imports (till end of 1952): 3.9 million tons.

Cost of imported grains: Rs. 210 crores.

Storage capacity was for 8 lakh tons.

The balance sheet of food grains distributed by Governments during 1952 was as follows:

	(In 000 tons)	
	1952	1951
Opening stocks with States ..	1,807	729
Procurement	3,416	3,766
Supplies to States from imports	3,474	4,679
Total availability	8,197	9,174
Offtake in States	6,696	7,867
Closing stocks with States ..	1,501	1,307
Central reserve	410	—
	1,911	1,307

The following States are generally surplus in wheat: Punjab, PEPSU, Vindhya Pradesh.

The following States are generally surplus in rice: Orissa, Madhya Pradesh, Uttar Pradesh, Punjab, Coorg.

The following State is generally surplus in millets: Hyderabad.

From the point of view of food generally the position is roughly as follows:

Surplus States: Madhya Pradesh, Punjab, PEPSU, Orissa, Assam.

Self-sufficient States: U.P., Madhya Bharat.

Deficit States: Bombay, Madras, Mysore, Travancore-Cochin, Saurashtra, Hyderabad, Rajasthan, Himachal Pradesh, Bihar, West Bengal.

GROW MORE FOOD (1952-53)

Total allotment Rs. 17 crores

Subsidies .. 6.60 "

Loans .. 8.37 "

Short-term loans .. 2.00 "

The number of minor works planned was as follows:

New wells and repairs to old wells ..	46,000
Irrigation tube-wells	2,000
Dams, channels and tanks	4,800
Persian Wheels and Rahats	8,800
Pumping installations	6,300

The area covered by land improvement schemes (acres):

Contour bunding and soil conservation	104,000
Clearance and reclamations	149,000
Mechanical cultivation	65,000

The quantity of supplies (tons):

Fertilisers	282,000
Urban compost	1,800,000
Oil cake and bonemeal	56,000
Green manure seed	2,000
Improved seeds	95,000

The addition in food production over 1951-52 12.3 lakh tons

The addition in cotton over 1950-51 1.63 „ balcs

„ „ „ jute over 1950-51 13.80 „ „

„ „ „ sugar over 1950-51 3.80 „ „

The number of tube-wells drilled upto 31st December, 1952 in U.P., Bihar and Punjab was 470, the number drilled in North Gujarat 26.

Under the Indo-U.S. Technical Co-operation Agreement 2,000 tube-wells were to be drilled during 1952-53. These were to be drilled partly departmentally and partly through private agencies.

The Central Tractor Organization had 250 tractors in operation during 1952-53.

It ploughed 2.35 lakh acres of kans infested land in U.P., M.P., M.B. and Bhopal during Jan-June 1952. Also 18,000 acres of jungle land in Naini Tal-Tarai were reclaimed.

POSITION IN 1950-52

The total food production in the country for the years 1950 to 1952 was as follows:

	(In 000 tons)		
	1949-50	1950-51	1951-52
Rice	23,170	20,251	20,703
Wheat	6,290	6,360	5,768
Millets	8,567	7,962	7,666
Total of all food grains	46,018	41,744	41,211

The production by State and the Central grant to States or the contribution from the State to the Central pool is given by the following table.

(In 000 tons)

State	1950		1951		1952	
	Production	Central grant Net Imports (+) or Exports (-)	Production	Central grant Net Imports (+) or Exports (-)	Production	Central grant Net Imports (+) or Exports (-)
Assam	1.75	0.02	1.43	0.12	1.88	0.07
Bihar	5.01	0.11	3.48	0.77	3.65	0.12
Bombay	4.60	0.73	3.69	1.10	3.33	1.01
Madhya Pradesh	4.28	(-) 0.11	3.17	0.06	4.88	(-) 0.16
Madras	7.00	0.55	6.57	0.68	6.88	0.46
Orissa	2.18	(-) 0.10	2.11	(-) 0.01	2.20	(-) 0.12
Punjab	2.13	(-) 0.20	1.91	0.006	1.88	(-) 0.05
Uttar Pradesh	8.49	0.03	8.64	0.24	8.09	0.34
West Bengal	3.78	0.31	4.01	0.55	3.59	0.87
Hyderabad	1.36	0.08	1.37	0.13	1.68	0.07
Jammu and Kashmir	0.34	0.03	0.38	0.008	0.40	0.01
Madhya Bharat	0.96	(-) 0.06	0.83	0.01	0.51	0.05
Mysore	0.81	0.09	0.78	0.10	0.57	0.14
P. E. P. S. U.	0.52	(-) 0.11	0.45	(-) 0.03	0.57	(-) 0.08
Rajasthan	0.89	0.05	1.15	0.06	0.95	0.02
Saurashtra	0.32	0.01	0.28	0.10	0.17	0.13
Travancore-Cochin	0.41	0.29	0.41	0.35	0.40	0.37
Ajmer	0.02	0.04	0.04	0.04	0.02	0.04
Bhopal	0.10	(-) 0.006	0.14	(-) 0.01	0.10	0.004
Bilaspur	0.01	—	0.01	—	0.02	—
Coorg	0.04	(-) 0.009	0.04	(-) 0.007	0.04	(-) 0.008
Delhi	0.03	0.16	0.03	0.19	0.03	0.19
Himachal Pradesh	0.18	0.005	0.17	0.004	0.17	—
Kutch	0.03	—	0.03	0.008	0.02	0.02
Manipur	0.10	(-) 0.002	0.09	(-) 0.008	0.07	(-) 0.001
Tripura	0.20	—	0.14	—	0.14	0.001
Vindhya Pradesh	0.48	(-) 0.01	0.41	0.002	0.58	(-) 0.002
The Andaman & Nicobar Islands ..	Neg.	0.001	Neg.	0.002	Neg.	0.002
Defence colonies, etc.	—	0.19	—	0.21	—	0.17
TOTAL	46.02	2.09	41.74	4.68	42.44	3.47

Neg. Negligible.

PRODUCTION BY STATE

Production of individual foodgrains by State is as follows :

(In 000 tons for 1951-52)

State	Wheat	Rice	Jawar	Bajra
Assam	1	14.73	nil	nil
Bihar	2,30	27.12	1	1
Bombay	2,31	7.71	13.98	4.59
Madhya Pradesh ..	4.68	24.22	12.41	17
Madras	2	40.25	9.37	4.18
Orissa	4	23.93	1	74
Punjab	11.26	1.20	39	30
Uttar Pradesh .. .	25.33	15.29	6.92	7.85
West Bengal .. .	41	34.79	3	less than 500
Hyderabad .. .	—	—	90	8.30
Jammu and Kashmir ..	—	—	5	less than 500
Madhya Bharat .. .	—	—	46	2.29
Mysore	—	—	5	50
PEPSU	—	—	39	3
Rajasthan	—	—	1.13	63
Saurashtra	—	—	86	30
Travancore-Cochin ..	—	—	less than 500	3
Ajmer	—	—	1	1
Andamans and Nicobars	—	—	—	—
Bhopal	—	—	less than 500	29
Coorg	—	—	—	—
Delhi	—	—	6	4
Himachal Pradesh ..	—	—	less than 500	less than 500
Kutch	—	—	—	—
Manipur	—	—	—	—
Tripura	—	—	—	—
Vindhya Pradesh .. .	—	—	1	49

ALLOTMENT (1951-52)

The allotment of individual foodgrains is shown by the following table :

(In 000 tons)

State	Contribution to Central Pool			Allotment from Centre		
	Wheat	Rice	Millets	Wheat	Rice	Millets
Assam	—	—	—	56	18	—
Bihar	—	—	6	1.15	11	—
Bombay	—	—	—	5.24	1.76	3.10
Madhya Pradesh ..	—	126	47	73	2.08	1.82
Madras	—	—	—	10	—	—
Orissa	—	126	—	—	—	—
Punjab	42	4	—	—	—	—
Uttar Pradesh .. .	—	15	—	3.22	—	31
West Bengal .. .	—	—	—	5.32	1.40	—
Hyderabad .. .	—	—	—	48	18	3
Kashmir	—	—	—	10	—	2
Madhya Bharat .. .	—	—	—	40	—	7
Mysore	—	—	—	67	9	59
PEPSU	—	3	—	67	—	59
Rajasthan	—	—	—	63	—	63
Saurashtra	—	—	—	—	—	—
Travancore-Cochin ..	—	—	—	61	3.11	—
Ajmer	—	—	—	29	1	14
Andamans	—	—	—	1	1	—
Bhopal	—	—	—	4	—	—
Coorg	—	8	—	—	—	—
Delhi	—	—	—	1.70	15	5
Himachal Pradesh ..	—	—	—	—	—	—
Kutch	—	—	—	8	2	11
Manipur	—	1	—	—	—	—
Tripura	—	—	—	1	—	—
Vindhya Pradesh .. .	1	1	—	—	—	—

IMPORTS (1950-52)

The imports for the years were as follows (figures in million tons) :

1950—2.1; 1951—4.7; 1952 (provisional) —3.9.

The cost of import of food grains was as follows (figures in crores of rupees) :

1950—80.6 crores; 1951—216.4 crores; 1952—209.7 crores.

The imports of individual grains were as follows (figures in million tons) .

	1950	1951	1952
Rice	0.35	0.75	0.72
Wheat (including flour) ..	1.41	3.02	2.51
Others	0.36	0.95	0.63

Figures with costs for 1952 were as follows :

	in 000 tons	in Rs. lakhs
Rice	24.59	12.844
Wheat	7.22	5.011
Millets	6.31	2.812

Countries from which imports were obtained from 1950 to 1952 with quantity (in million tons) and C & F value (in lakhs of rupees) were as follows: The figures for 1952 are provisional:

Country	1950		1951		1952	
	Quantity	Value	Quantity	Value	Quantity	Value
U.S.A. .. .. .	.39	10.02	2.40	—	2.30	—
Australia .. .. .	.88	32.45	.25	—	.22	—
Argentina .. .. .	.48	17.66	.51	—	—	—
Canada .. .. .	.003	13	.33	—	.53	—
Russia .. .. .	..	..	.10	—	—	—
Pakistan .. .. .	.001	3	.16	—	.01	—
Burma .. .. .	.18	10.09	.30	—	.38	—
Siam .. .. .	.11	6.19	.22	—	.18	—
Other countries ..	.06	3.27	.46	—	.24	—
TOTAL	2.10	79.84	4.73	2,16.35	3.86	2,09.73

The countries from which the imports of individual grains were made in 1952 were as follows:

	(in 000 tons)		
	Wheat	Rice	Milllets
Canada	5,25	—	—
U.S.A.	17,63	—	5,40
Australia	1,71	—	—
Burma	—	3,76	—
Thailand	—	1,84	—
Pakistan	—	14	—
China	—	1,48	91

RATIONED POPULATION

The statutory rationed population on the last day of the year (except for 1952) is given below. The figure is in thousand persons.

State	1950	1951	May 31, 1952
Assam	420	474	472
Bihar	250	256	235
Bombay	10,609	10,482	9,827
Madhya Pradesh	—	—	—
Madras	5,965	6,159	6,143
Punjab	1,738	1,706	1,608
Uttar Pradesh	6,882	6,883	6,785
West Bengal	6,200	6,513	6,514
Hyderabad	1,567	1,600	1,518
Jammu & Kashmir	301	322	322
Madhya Bharat	366	372	369
Mysore	1,271	1,374	1,376
Rajasthan	418	—	—
Saurashtra	433	432	433
Travancore-Cochin	7,297	8,322	8,426
Ajmer	332	321	319
Bhopal	—	—	—
Delhi	1,549	1,582	1,571
Himachal Pradesh	11	—	—
The Andaman & Nicobar Islands	15	17	17
TOTAL	45,723	46,815	46,025

PROCUREMENT SYSTEMS

At the time of writing (Nov. 1953) the following systems of procurement were in operation:

ASSAM: The State has been divided into a number of zones for purposes of procurement. In each zone purchases are made by agents appointed by the Government, and the individual producers and landlords are required to sell to Government all stocks exceeding 200 maunds.

BIHAR: Monopoly procurement of rice and paddy in the three districts of Ranchi, Manbhumi Sadar and Santhal Parganas (excluding Gonda and Sahibganj Division).

BOMBAY: Monopoly procurement of rice throughout the State. In Thana and Kolaba purchases are also made by contracts with rice mills. In a few taluks of these two districts, informal levy has been introduced recently. Wheat, millets and other coarse grains are purchased on a voluntary sale basis.

MADHYA PRADESH: Levy on trade.

MADRAS: A small quantity of rice is procured by means of levy on the cultivators from the main harvest in some surplus districts.

ORISSA: Monopoly procurement of rice through trade agents.

PUNJAB: Rice mills can dispose of rice only under orders of Government. Monopoly procurement of wheat was suspended on April 27, 1953.

UTTAR PRADESH: Only rice is procured from licensed traders for export.

WEST BENGAL: On Oct. 14, 1953 the policy of procurement of rice was abandoned. As a measure of price support, the Government will purchase paddy or rice in areas where the market price goes below a certain level and becomes uneconomic to growers.

HYDERABAD: Procurement of rice and paddy is in operation under the Central Government's Foodgrains (licensing and procurement) Order, 1952 in the predominantly rice growing areas. A limited quantity of jowar is procured from the surplus areas by a scheme of tenders from the trade.

KASHMIR: Levy on cultivators.

MADHYA BHARAT: Monopoly procurement of wheat. System of jowar procurement is the same as in Hyderabad.

MYSORE: Levy on cultivators confined to rice only.

PEPSU: Purchases through a syndicate of foodgrain dealers on behalf of Government from approved muddles.

RAJASTHAN: Levy on quantities moved from one district to another. No procurement of Kharif crops.

SAURASHTRA: Procurement has been abandoned.

TRAVANCORE-COCHIN: Levy on cultivators on a slab basis and related to the productivity of the land.

AJMER: No procurement.

BHOPAL: Graded levy on cultivators through agents appointed by the Government.

BILASPUR: No Procurement.

COORG: Monopoly. Purchases are made through agents appointed by the Government.

DELHI: No Procurement.

HIMACHAL PRADESH: Monopoly of purchase of wheat in Mandi and Sirmur districts only.

KUTCH: Monopoly. In addition every landholder will have to sell to Government a quantity of foodgrains equal in value to the amount of land revenue and taccavi instalments payable for the year.

MANIPUR: Procurement for export through approved traders from the open market.

TRIPURA: Purchases from the open market as also direct from the cultivators.

VINDHYA PRADESH: The traders are liable to sell to Government upto 80 per cent of their purchases.

CENTRAL SUBSIDY (1951-52)

The Central subsidy to the States in lakhs of rupees was as follows: Assam, nil; Bihar, 11; Bombay, 390; M.P., 16; Madras, 123; Orissa, nil; U.P., 435; West Bengal, 174; Hyderabad, 25; Kashmir, nil; M.B., nil; Mysore, 7.5; PEPSU, nil; Rajasthan, nil; Saurashtra, nil; Travancore-Cochin, 307; Ajmer, nil; Andamans, nil; Bhopal, nil; Coorg, nil; Delhi, 221; H.P., Kutch, Manipur, Tripura, V.P., nil.

The total expenditure on food subsidy was Rs. 4,009 lakhs.

ESTIMATES FOR 1952-53

It was estimated that the production of food grains for all India would be 47.58 million tons. The quantity proposed to be imported was 2 lakh tons.

It was estimated that the total production of food grains for individual States (in 000 tons) would be: Assam, 1,501; Bihar, 4,831; Bombay, 3,364; M.P., 4,608; Madras, 6,790; Orissa, 3,185; Punjab, 2,337; U.P., 8,930; West Bengal, 1,054; Hyderabad, 1,666; Kashmir, 392; M.B., 781; Mysore, 456; PEPSU, 724; Rajasthan, 1,948; Saurashtra, 309; Travancore-Cochin, 405; Ajmer, 53; Andamans, 2; Bhopal, 137; Coorg, 42; Delhi, 28; H.P., 134; Kutch, 51; Manipur, 71; Tripura, 137; V.P., 567.

FOOD SHORTAGE

'Food controls' is really a misleading term for what is in reality a gigantic State trading system set up by the Central Government and all State Governments working in co-operation with one another.

The operation of this system during 1949, 1950 and 1951 may be summed up as follows:

On an average 43.9 lakh tons were purchased every year in different States within the country—mostly from farmers directly, in some places from traders. Another 34.8 lakh tons were purchased every year from various foreign countries. These stocks were designed to meet the daily needs of crores of people. The average annual issues made from these stocks to grain shops, ration shops, etc. amounted to 77.1 lakh tons.

The total number of persons who received supplies (on March 31, 1951) numbered 12.66 crores.

The time when undivided India changed over from being a net exporter of foodgrains into a net importer was about 1921.

About 1880 the ordinary outturn of food in British India was 50 million tons and the surplus available for storage, export, etc. was more than five million tons.

The average imports in lakh tons for 1947-52 was 32.7.

The composition of the imports had changed greatly. Before World War II India was importing rice heavily but exporting wheat. After World War II there was very little rice and a great deal of wheat and coarse grains.

The sources from which the imports were coming in had also changed. The average imports from Burma, for instance, were 12.1 lakh tons during 1948-50, which was less than two-fifths of the level reached just before World War II.

The decline in imports cannot be due to a shift in cultivation from food to cash crops, for this shift is hardly significant. From sample survey we find that the proportion of land sown with food crops to the total sown area changed as follows from 1891 to 1951:

1891—80.7 per cent; 1921—77.8 per cent; 1951—77.2 per cent.

Figures for certain specific districts show: the shift was more significant before 1921 than after, it was more significant in south and west India than elsewhere, shifts in other directions also occurred being significant in north and central India.

A graph of the food prices from 1800 to 1950 will go something like this:

For the first fifty years there will be a more or less level course. For the next fifty years it is no longer level, each decade a little higher than the preceding one: the fluctuations tend to be sharper. Then for the last fifty years one big peak marking World War I, then a valley marking the depression, then finally the tallest of all peaks on which we stand today.

The index of food prices (Aug. 1939=100) was somewhat as follows:

1948—374; 1947—389; 1950—410; 1951—410; 1952 Jan.—393; 1952 Dec.—345 (the lowest level reached by food prices after the war ended.)

The prices of certain kharif foodgrains in 1952 Dec. were as follows:

Rice: Gaya Rs. 19; Bilaspur, Rs. 13 as. 4; Contal, Rs. 14; Tikamgarh, Rs. 14 as. 8; Gorakhpur, Rs. 19; Russelkonda, Rs. 10.

Jowar: Akola, Rs. 10; Chandausi, Rs. 11 as. 4; Bharatpur Rs. 10 as. 8.

Malze: Chapra, Rs. 14; Nanpara, Rs. 11 as. 8.

CONSUMPTION

There are no reliable statistics and production and consumption figures are subject to a wide margin.

The National Sample Survey yielded the following results:

The average rural household produced 10.9 maunds of foodgrains every year and ate 26.4 maunds during the year.

The Sample accepted the figure for consumption but rejected as wide of the mark the figure for production.

Though figures for food production are throughout unreliable the following generalizations should be regarded as among the least inaccurate:

The average yield on one acre sown is 6.0 maunds for the country as a whole. The rates in maunds for the respective zones are: south India (8.2), east India (7.3), north India (6.6), north-west India (6.2), central India (4.5) and west India (3.6).

The average rate of consumption per head per annum is 4.5 maunds. The rates in maunds for the respective zones are north-west India (5.0), central India (4.8), north India (4.6), east India (4.6), west India (4.0).

These rates include the grain fed to cattle and grain wasted between field and kitchen.

India's shortage round about 1951 was 34 lakhs—being the difference between 590 lakh tons of consumption and 556 lakh tons of harvested yield.

The shortage is equivalent to foodgrains needed for consumption for 21 days.

Among the zones the shortage is negligible in central India and relatively small in north India and north-west India. The shortage in the other three zones expressed in the number of days of consumption requirement is west India (67 days), south India (34 days), east India (17 days).

The average shortage (21 days' consumption) is small. But the fact is important because free trade cannot function in a market which is genuinely short of foodgrains—however small the shortage.

What needs explanation is why the imports are not larger. The correct level of imports should be 100 lakh tons and not 34 lakh tons. Per capita production has declined by one-fifth from what it was thirty years ago. Assuming that per capita consumption was the same then (4.5 maunds) as now then the shortage should be 0.9 maunds per capita. Actually the 34 lakh maunds imported allows for 0.3 maunds per capita. Hence the correct level of imports should be three times 34 lakh tons—100 lakh tons.

On balance it seems likely that the average level of food consumption, though it is higher than in the thirties has on the whole tended to fall.

HISTORICAL NOTE

About 1880 the ordinary outturn of food in British India was 50 million tons, and the surplus available for shortage, export, etc. was more than five million tons.

The net exports out of undivided India and Burma, the net exports out of undivided India and the net exports out of Burma are given in the following table in lakh tons:

	Out of undivided India and Burma	Out of undivided India	Out of Burma
1890-94 ..	25.5	12.4	13.0
1895-99 ..	21.4	6.2	15.2
1900-04 ..	31.6	10.4	21.2
1905-09 ..	28.4	6.2	22.2

Figures in lakh tons for undivided India without Burma for 1915-1919 are:

Exports 15.9; imports 11.9; net exports 4.0.

During the next five-year period these figures (in lakh tons) undergo a significant change:

	Imports	Exports	Net imports
1920-24 ..	11.4	9.8	1.6
1925-29 ..	15.9	8.3	7.6
1930-34 ..	18.4	5.7	12.7
1935-39 ..	20.7	6.9	13.8

The average level of net exports out of Burma in lakh tons was as follows:

1905-09 ..	23.2
1935-39 ..	30.6

The subsequent figures for net imports in lakh tons are as follows:

1940 9.6; 1941—4.3; 1942 (net exports) —2.9; 1943—3.0; 1944—7.3; 1945—9.3; 1946—25.8; 1947—26.6; 1948—30.5; 1949—28.6, 1950—27.2.

FISHERIES

THE fisheries of India potentially rich as yet yield a mere fraction of what they could were they exploited in a fashion comparable with those of Europe, North America or Japan. The fishing industry, particularly the marine section, has certainly expanded considerably within the last 50 years concurrently with improvement in the methods of transport and increase in demand for fish, cured as well as fresh, from the growing population of the great cities within reach of the seaboard.

The caste system, however, exerts a blighting influence on progress. Fishing and fish trade are universally relegated to 'low' caste men who alike from their want of education, the isolation caused by their work and caste and their extreme conservatism, are among the most ignorant, suspicious and prejudiced of the population extremely averse to changing the methods of their forefathers and almost universally without the financial resources necessary for the adoption of new methods, even when convinced of their value. 'Higher' caste capitalists have hitherto fought shy of associating with the 'low' caste fishermen, and except in large operations on new lines, the capitalists cannot be counted upon to assist in the development of Indian fisheries. As in Japan, it appears that the general conditions of the industry are such that the initiative must necessarily be taken by Government in the uplift and education of the fishing community and in the introduction and testing of new and improved apparatus and methods.

Allotment under the Five-Year Plan : Rs. 4-64 crores.

BOMBAY

Important varieties of sea fish caught along the coastline : Saranga (White Pomfret) ; Halva (Black Pomfret) ; Ghol (Jew fish) ; Dara (Giant Threadfin) ; Ravas (Indian Salmon) ; Kuppas (Tuna) ; Surmai (Seer fish) ; Bol (Mullet) ; Bomboli (Bombay duck) ; Bangda (Mackerel) ; Mushi (Sharks) ; Wam (Eels).

Estimated production : about 1,50,000 tons.

Price per ton of fish at present : Rs. 292. The total value of fish caught in this State : Rs. 4,38,00,000.

The number and names of the more important fishing villages and of the fishing grounds :

Greater Bombay : Lower Colaba, Worli, Danda, Versova ; *Thana District* : Basseln, Arnala, Dativre, Satpatil, Navapur ; *Surat District* : Umarsadi, Kolak ; *Broach District* : Bulsar-Kosamba, Broach ; *Amreli District* : Madhwar, Kodan, Velan, Okha ; *Kolaba District* : Kanarja, Versoli, Theronda, Revdanda, Murud, Bharadkhol ; *Ratnagiri District* : Burondi, Dabhol, Jalgaod, Ratnagiri, Vijaydurg, Jaitapur, Malvan, Deolbag, Vengurla ; *Kanara District* : Majali, Karwar, Bingli, Chendia, Harwada, Keni.

Surveys carried out by several private and Government vessels in the north of Bombay, have revealed extensive fishing areas off Saurashtra and Okha.

The estimated fishing population : 168,368.

The facilities available for curing, storage and refrigeration, co-operative marketing are :

Several ice factories in the city and also at important fishing centres along the coast.

Annually, some addition to the available cold storage space is being made by extension to the existing plants and establishment of new plants.

A seven ton ice plant and 30 ton cold storage were erected by Government at a cost of Rs. 1,81,000 and handed over to the Satpatil Fishermen's Sarvodaya Co-operative Society for operation. It now owns 40 out of the 130 mechanised craft in the State, all of which carry ice aboard their vessels to preserve fish right from the time it is caught.

The use of insulated road vans for transport of ice fish will shortly be demonstrated to fishermen when a motor truck estimated to cost

about Rs. 40,000 arrives from America under the Technical Co-operation Aid Programme. With a mobile refrigerated transport system a further step will have been taken in the direction of preservation of fish.

Marketing facilities A new structure was put up in 1951 by the Bombay Municipality to cater for the City's fish trade. Lifts are being installed for the convenience of shoppers.

A new market was opened during the year at Grant Road, adjoining the original and congested market there at a cost of Rs. 16 lakhs. In the fish section space is provided for 250 squatters. Sufficient space is now available to traders to display their products.

Marketing facilities have also been provided at Majali, Karwar, Ankola, Kumta, Honavar, Gokarn and Bhatkal, in the Kanara district and Kankoli, and Malvan in the Ratnagiri district.

About ten times the quantity of fish at present caught in the entire State will be necessary to meet the consumers' demand.

The quantity available for sale to the public has shown a steady increase which is approximately as follows :—

Year	Tons
1948-49.. ..	29,000
1949-50.. ..	31,627
1950-51.. ..	31,674
1951-52.. ..	35,849

Companies that explore the possibilities of deep-sea fishing : Taiyo Fishing Co. Ltd., has been permitted by the Government of India to conduct trawling off Bombay and Saurashtra waters. The firm employs trawl nets for deep-sea fishing. The total quantity of fish landed by the trawler since its operation to date is about 1,800 tons.

West Coast Fisheries (Travancore) Ltd. commenced deep sea fishing operations in Bombay waters in February 1953. It employs trawl nets for deep sea fishing and landed about 94 tons of fish during four voyages. The trawler is now conducting fishing operations off Travancore waters.

GOVERNMENT HELP

Government effort in up-to-date fishing technique, money spent, trawlers gear used, quantity of fish caught : The State Government built the vessel "Tapase", now renamed the "Myala" in 1947, at Rs. 65,000 for catching fish.

Number of power-propelled vessels owned by fishermen : 130.

Two improved type of fishing craft at a total cost of Rs. 54,000 were also built during the same year and allotted to two fishermen's co-operative societies in the State on half subsidy and half loan basis for capture of fish.

So far Government advanced as subsidy Rs. 1,93,127 and as loans for mechanisation of fishing craft : Rs. 4,41,078. Loans to individual fishermen during the past seven years for purchase of boats, nets, and other fishing gear : Rs. 16,00,000. Fishermen now possess more boats and nets with which they are able to catch more fish.

100 marine diesel engines valued approximately at Rs. 11,00,000 were to arrive in Bombay towards the end of 1953 and be made available to groups of fishermen at half cost, the balance being treated as subsidy. These engines are allotted by the American Government under T.C.A. Programme.

Government efforts in educating fishermen :— 10 fisheries schools have been established in important fishing centres, imparting special training in net making, boat repairing, fish preserving, etc. Ratnagiri District : 4, Kanara District 3, Thana District 1 and Surat District 2.

Annual expenditure on these schools : Rs. one lakh.

The Department of Fisheries has also a scheme to train fisher-youths in the operation of power vessels and as navigators. So far 70 apprentices have been trained and 16 are under training.

Two graduates of the fishing community were also sent to U.S.A. by the State Government for two years to receive training in canning, refrigeration and other specialised branches of fisheries.

Several candidates from fishermen's community have also received training aboard the Japanese trawler "Taiyo Maru" at Government expense.

Public Museums, aquaria : The State Government maintains the Taraporevala Aquarium along the Marine Drive. The exhibits include both fresh water and marine forms, found along the coast of the State. The aquarium has facilities for marine biological research.

A fish farm is being established at Khopoli, District Kolaba at an estimated cost of Rs. 1,03,000. A fisheries technological laboratory has been established at Sassoon Dock, for conducting research, on problems relating to ancillary industries like shark liver oil, gelatine, glue, fish meal, etc.

ANCILLARY PRODUCTS

To ensure quick and clean extraction of oil a Sharple's super centrifuge, a fish liver boiler and a steam boiler have been installed. One piece of work the laboratory does is to test samples of shark liver oil from the public for vitamin 'A' content, the number of samples so tested average over 500 a year. A Beckman's spectrophotometer has been imported from the U.S.A. for this purpose.

In 1952-53, the output of neat shark liver oil was 5,070 gallons with an average vitamin 'A' content of 10,000 I.U./Gm. The oil when processed, was capable of yielding 4,68,000 lb. of Oleum-vitaminatum of B.P. standard. Besides this, there is the oil disposed of by the fishermen direct which will be about 2,000 gallons.

The processed products marketed by the department comprise "Sharkovit" with vitamin 'A' and 'D', 1,000 and 100 I.U. per gramme respectively, "Elaamin Liquid", a shark liver oil concentrate with vitamin 'A' and 'D' 20,000 and 2,000 I.U./Gm. respectively.

An encapsulating unit ordered out from the U.S. has been installed at the laboratory for the manufacture of capsules locally.

Another important by-product of fisheries is fish meal. The departmental laboratory is also well-equipped for the manufacture of edible gelatin and fish glue both for adhesive as well as photo-processing work.

The following schemes have been included in the State Government's Five-Year Plan : Study of marine biology and establishment of an aquarium in Bombay ; Establishment of a marine biological station at Ratnagiri ; Establishment of ice and cold storage plants along the coast ; Development of inland fisheries at Khopoli ; Stocking of inland waters with carp fry ; Provision for merged states for inland pisciculture ; Higher technical training for fisher-youths abroad ; Establishment of fisheries schools along the coast ; Provision for merged States for training schemes.

Receipts of the department during the financial year 1951-52, are shown below :—

	Rs.
Fish curing yards	1,84,360
Fisheries Tech. Laboratory ..	2,35,885
Other receipts	17,995
Taraporevala Aquarium	79,914
Total	5,18,154

The State Government's share under the U.S. operational Agreement No. 5 amounts to Rs. 30 lakhs, to be utilised to procure up-to-date equipment to increase existing supplies of fish and to improve the socio-economic condition of fishermen. The equipment to be ordered

out is as follows: 100 marine diesel engines, one dredger, one 11-ton ice plant and 80 ton cold storage for fish, one quick-freezing plant and equipment to enlarge the present ice production capacity of the plant at Satpati, and one insulated road van. The State will also receive, for distribution among fishermen, nylon, fish hooks and hemp twine.

The total budget allotment for the department for the year 1953-54 is Rs. 11,43,000.

The designation of the department is: Office of the Director of Fisheries, Bombay.

MADRAS*

Statistics of landings of the important shoaling fishes of the west and east coasts of the State for the year 1951-52.

Name of fish	Wt. in Mds.	Value in Rs.
A. WEST COAST.		
Oil Sardine ..	290,649	19,72,295
Mackerel ..	3,842,783	2,03,05,175
Silver Bellies ..	410,280	23,92,542
Ribbon Fish ..	115,427	6,30,182
Cat Fish ..	84,967	8,55,232
Soles ..	260,212	60,67,681
B. EAST COAST.		
Sardines ..	25,758	3,28,847
Mackerel ..	4,283	38,058
Silver Bellies ..	4,939	20,528
Ribbon Fish ..	23,331	2,39,100
Cat Fish ..	23,883	3,58,939

Statistics of some fish in some important markets for 1952.

Name of fish	1952. (From 44 markets)	
	Wt. in lb.	Value in Rs.
Carp ..	1,665,085	6,14,911
Cat Fish ..	554,544	2,10,414
Murres ..	713,904	3,09,749
Notopercus ..	12,994	4,102
Eels ..	150,648	40,566
Etropius ..	29,265	11,045
Glossogobius ..	98,377	44,135
Mullet ..	285,334	78,573
Chanos ..	19,839	6,233
Magalops ..	24,445	11,429
Lates ..	101,420	39,429
Hilsa ..	130,035	73,352
Prawn ..	663,723	2,26,408
Crab ..	85,155	29,198
Polynemus ..	67,928	28,730
Miscellaneous ..	476,404	1,23,603
	6,954,426	22,12,139

The names of Sea Fish and price per maund :—
 Salmon Rs. 75; Sardine Rs. 70; Prawns Rs. 63;
 Pomfrets Rs. 50; Mackerels Rs. 38; Seer Rs. 63;
 Hilsa* Rs. 68; Perch Rs. 75; Bekti Rs. 76;
 Flying Fish Rs. 37-12; Jew Fish Rs. 62-8;
 Shark Rs. 100; Silver Bellies Rs. 60; Caranix
 Rs. 112; Hamframpus Rs. 50-4; Ribbon Fish
 Rs. 62-8; Lutjanus sp. Rs. 100; Polynemus
 Rs. 50; Soles Rs. 50; Freshwater Fish: Carps
 (loed) Rs. 38; Cat Fish Rs. 68.

On the west coast there are six fishing villages in South Kanara and 17 fishing villages in Malabar. On the east coast there are 32 fishing villages.

Census of Inland Fishermen for 1949:

	Men	Women	Children
WHOLE TIME	35,867	38,067	56,296
PART TIME	8,076	7,477	9,983
Total	43,943	45,544	66,279

Fish curing yards were started by Government where good salt is supplied and the process of curing is supervised and controlled by officers of the Fisheries Department. Salt is being issued for fish curing at subsidised rates in the fish curing yards.

Two Ice-cum-cold storage plants are being erected one at Mangalore and another at Calicut. When these are completed the fishermen will be able to save from spoilage at least 25 per cent of their catches and keep them in a fresh condition till they are taken to the market.

Fishermen's co-operative societies formed in many villages buy the fish from the members and market it.

The department have tried deep-sea fishing with trawlers. A secondhand admiralty trawler "TR.8" was purchased and reconditioned in England at a cost of £5,699 and named "Lady Goschen".

A survey of the fishing banks was made in 1927. Only a few tried trawls off Madras were possible during this period. The trawling ground explored is the extensive submarine plateau within the 100 fathoms line which is around of Cape Comorin. The fish landed belonged to some 20 species nearly all of which were bottom feeders. The prime table fish caught: sea bream (letherinus nebulosus) Snappers (Lelljanus dedecacanthus) and L. reivulatus Rock cod (Epinephelus spp) and Spade fish (Ephippus orbi). Arranged according to the quantity and value the species mostly caught are Lethrinus nebulosus over 1/6th of total catch. Epinephelus spp. less than 1/7th, Lutjanus doecarunius 1/9th and (Diageamma punctatum) 1/20th.

The aim of the survey was exploration and no attempt was made to capture large quantities of fish. The fish that were captured during the experiments amounted to 26,061 lb.

Schools have been opened for fisherchildren. Natural Science and Fisheries Science play a large part in their curriculum. The children are taught handicrafts like coil rope making, mat weaving, net making, etc. Books, pencils and stationery articles are given free to these children. They are given all sorts of encouragement. Students are taken out on excursions to places of fishery interest.

Offices of the department and teachers of Fisheries schools have done a great deal to improve the standard of life of the children.

There are a museum and an aquarium belonging to the department. In the Museum, preserved specimens of all important marine and freshwater fishes, various kinds of sharks, aquatic curios like sepi, labyo, sea horse, etc. are all exhibited. The Aquarium has eight large aquaria in which Tropical Aquarium Fishes like Gold Fish, Blak Molliet, Sword Tails, Guppies, Blu Gouramy and Food fishes like Catia, Labeo, Cirrhina, Gourmi, etc. are kept. Most important experimental fish farms are Sunkeula Fish Farm, Praema Fish Farm, Ippur Fish Farm, Mopad Fish Farm, Mettur Fish Farm, Poondi Fish Farm, Thanthipandal Fish Farm, Chetput Fish Farm, Vellore Fort Moat Farm and Chingleput Fort Moat Farm. The ponds in the farms and other ponds belonging to the department are intensively stocked with quick growing fishes every year and the catches are marketed to the Public.

In addition to being an important source of food supply rich in proteins and albumenoides, food fishes play an important part in the manufacture of several bye-products in use in the everyday life. They are fish-oil (body oil and liver oil), shagrin, laliglass, fish glue, fish meal (guano), fin soup, pearl essence, fish manure, etc.

The Government Shark Liver Oil Factory was opened at Kozhikode, which supplies shark liver oil for use in hospitals and for sale to the public.

Schemes under the Five-Year Plan: Intensive seed collection and distribution for development of inland waters; Improvement of indigenous craft and tackle; Mechanisation of inshore craft was undertaken at Adirampatnam in 1948. In the indigenous crafts there is not sufficient room for effective use of the gears for holding the catches and much time and manual labour is being wasted in rowing to and from fishing grounds. Other items are: Provision of quick transport facilities—installation of cold storage and ice plants. The transport vans are at present working at the following routes:—

Sripuru and Ellore, Mettur to other places in Salem District and Bangalore, Tanjore to other markets in the District, Tuticorin to other centres in the District, Mangalore to other centres, Kelambakkam to Madras, Ennore to Madras, Tiruvallavayil to Madras and Tiruvallavanam to Madras.

Revenue from Fisheries: Rs. 23,32,638-6-11.

Latest Budget Allotment for the Department for 1953-54: Rs. 44,34,400.

Government of Fisheries Department, Madras. Designation of the department:

MYSORE

Mysore State has only freshwater fisheries.

Kinds of freshwater fish caught: Murres, Cat fishes, Carps and Eels.

Price level of fresh fish: 10 as., 9 as. and 6 as. per lb. of Murres, Cat fishes and Carps respectively during April 1952 to March 1953.

Number and names of the more important fishing villages and of the fishing grounds: Scattered throughout the courses of all the river drainages of the Cauvery, the Tungabhadra, the Kabbini and the Vedavathi. Many important fishing villages centre round Krishnarajasagar, Hesserghatta, Bethamangala, Ramasagara, Anjanapur, Banner, Gubbi and Sulekere which are the more important reservoirs and irrigation tanks.

The fishing population is divided into five communities: Thigalas, Uppigals, Beethas, Killekyathars and Burude Beethas.

No facilities for curing, storage, refrigeration or co-operative marketing are provided by Government.

60 lakhs, i.e. 82 per cent of the population eat fish. Annual requirement: 4,000 tons.

Present production meets only 2 per cent of the demand.

There is only one Company called the Mysore Fisheries Company engaged in fishing. Capital investment: Rs. 5,000. Quantity of freshwater fish caught annually: 100,000 lb. Methods used: They employ row boats and operate the waters with the aid of gill nets, drag nets and cast nets for fishing.

Only a small experimental fishing unit is operating at Hesserghatta. Government has invested: Rs. 3,000 in large-scale gill net operations using a power driven boat. Production per annum: 12,000 lb.

Fishermen are being encouraged to renew their profession and are gradually extricated from the middlemen. Over 3,000 fishermen were thus rehabilitated.

Experimental fish farms: 3 in each of the areas of Markandeya, Markonahally and Hesserghatta reservoirs. Museums: One at Bangalore and the other at Krishnarajasagar. No aquarium at present. The Mysore Aquarists' Association has begun to agitate for an aquarium in the State.

* Includes Andhra.

There are no ancillary industries like liver oil, gelatin, glue or fish meal.

The present fishery development scheme is included in the Five-Year Plan and is being operated at an annual cost of Rs. 44,000. Revenue from fisheries for 1952-53: Rs. 36,000.

Budget allotment for the department for 1953-54: About Rs. 48,000.

Designation of the department in the State: Fisheries Section, Department of Animal Husbandry Services in Mysore, Bangalore.

ORISSA

Kinds of sea-fish caught: Pomfrets, Mackerel, Sardine and White Bait. Kinds of river fish caught: Labio Rohita, Catla Catla, Cirrhina, Mirgala, Labio kalbasu and other Carps and Cat fishes.

Latest figures of fish cured (Year 1947-48): Quantity: 32,142 maunds 15 seers.

Average price per maund of sea-fish in pre-war years: Between Rs. 5 and Rs. 10. Present price per maund of lower varieties: Between Rs. 10 and Rs. 20. Wholesale price per maund of good fish like Pomfrets: Between Rs. 35 and Rs. 55. Wholesale price per maund of higher varieties of river fish: Between Rs. 65 and Rs. 100. Price of smaller fish: Between Rs. 30 and Rs. 50.

Important marine fishing villages: Patisonapur, Markandi, Gopalpur, Paayagi, Sonapur, Suria, Aryapalli, Kandarapalli, Gajapatnagar, Purnabandha, Damodarapur, Rambha, Channuhant and Arkhakuda.

Important assembly centres in the Chilka lake: Kaluparaghat, Rambha, Balugaon, Gangadharpur, Kuhuri, Chhatrapur and Khalikota.

Important inland fishing centres: Ansupa lake, Russelkonda reservoir and Kausalyaganga.

Number of fish curing yards run by the fishermen's own co-operative stores: 6. Number of ice factories which cater to preservation of fish for transport to Calcutta and elsewhere: 6. Co-operative marketing has developed in the Chilka area. The annual volume of trade ranges between Rs. 25 to Rs. 40 lakhs.

There is considerable demand for fish in the urban markets unlike the interior where it is very much less on account of lack of purchasing power.

The demand is approximately 100 times more than the supply.

There are no deep-sea fishing companies in the State.

The State has not taken up deep-sea fishing. There are no fishermen's schools.

There is a small experimental aquarium attached to the Fisheries Department in Cuttack.

Major experimental farms in the State: Cuttack fish farm; Puri fish farm; Chondwar fish farm; Sonepur; Sambalpur; Balasore; Kausalyaganga; Angul; Bandh.

Shark liver oil industry has developed recently. Annual production: 1951-52—2,575 lb. crude oil; 1952-53—2,240 lb. crude oil.

Research is going on in the manufacture of agar agar and hydrolysed protein.

Schemes under the Five-Year Plan: Reorganisation of the Fishery Department; Development of Inland Fishery; Biological and Technological Investigation of the Chilka Lake Fisheries; Development of Mahanadi Estuary; Development of Marine Fishery; Co-operative Marketing of Chilka Fish.

Income from Fisheries Department ranges between Rs. 1.5 and 2.2 lakhs per annum which does not include rent for water areas.

Budget allotment: 1952-53—Rs. 6,00,000; 1953-54—Rs. 5,83,549.

The department is designated as Department of Fisheries, Orissa, which is under the administrative control of the Director of Industries who is the ex-officio Director of Fisheries.

THE PUNJAB

Kinds of fish caught: Goonch (Bagarins), Bochiwa (Chupisoma Garna), Silund (Silomia silondia), Mulico (Wallagonia attu), Nalakh (Heteropneustes fossilis), Singhar (Mystus aor), Khaga (Rita rita), Kalbons (Labeo calbasu), Rahu (Labeo Rohita), Gid (Labeo dispiostomus), Bhangan (Labeo microphthalmus), Mori (Cirrhina mirgala), Sunni (Cirrhina raba), Thella (Catla Catla), Kharni (Barbus sarana), Mahseer (Barbus putitora), Chliwa (Barilius modestus), Pari (Notopterus chitalier), Saul (Ophicephalus marulins), Daula (Ophicephalus punctatus).

Total quantity of fish caught in 1952: 5,901 maunds. 38 seers 11 chh.

Total value of fish caught in 1952: Rs. 90,440.

Price level: Prices vary from market to market. In some markets prices are fairly high. On the whole prices ranged for Wholesale at Rs. 12 per seer; Retail at Re. 1 per seer.

Approximate strength of fishing population: 15,000.

There are no facilities available for canning, storage and refrigeration but the catches of fishermen are collectively marketed under the supervision of the Departmental staff in the shops of Fish Commission Agents appointed by Government.

The demand for fish in the local market is very low, the population being mostly vegetarian.

After meeting the local demand the fish is exported to Delhi and U.P. where it finds ready market.

There are no sea fisheries. There are no companies engaged in exploring and exploiting the fisheries of the State.

All fish is caught directly under the supervision of the departmental staff. No trawlers are used; only primitive methods of fishing by nets are used.

There is no school in this State for educating the fishermen and their children for improved and up-to-date methods of fishing.

Public museums and experimental farms in the State: Government Fish Farm, Batala (District Gurdaspur).

There are no industries for fish products in this State.

No scheme relating to Fisheries in this State has been included in the Five-Year Plan.

Revenue from Fisheries (1952-53): Approximately, Rs. 1,20,000.

Budget allotment for the department (1953-54): Rs. 1,22,500.

Fisheries Department in the Punjab is attached to the Civil Veterinary Department under the control of the Head of the Department who is designated as Director, Veterinary Services and Warden of Fisheries, Punjab.

UTTAR PRADESH

Kinds of freshwater fish caught:

In plains: (i) Major carps like Labeo Rohita, Labeo Calbasu, Cirrhina, Mirgala, Catla Catla, Labeo Genius, (ii) Small carps, (iii) Munnows (iv) Cat fishes, (v) Mulletts, (vi) Spiny eels, (vii) Feather backs, (viii) Glass fishes.

In hills: (i) Kumaon Mahaseer, (ii) Hill Trout, (iii) Asela, (iv) Khurant, (v) Discognathus, (vi) Oreinus.

The State also imported three exotic varieties of fishes, viz. Mirror Carp and Darjeeling Mahaseer for culture in Uttar Pradesh hills and Gourami for culture in the plains.

Total quantity of freshwater fish caught (1944) 241,301 mds.

Total value of freshwater fish caught in 1952: The Department only auctions the waters stocked and maintains such records. The value realised from such sale during 1952-53 is Rs. 1,40,580.

Price level of the fish during April 1952 to March 1953:

Varieties	Wholesale price per maund		Retail price per seer	
	Average maximum	Average minimum	Average maximum	Average minimum
	Rs.	Rs.	Rs.	Rs.
Rohu	57	44	1.14	1.6
Nain	55	41	1.12	1.2
Bhakur	56	44	1.10	1.4
Calbose	55	40	1.11	1.4
Farhin	39	31	1.4	0.14
Turgan	40	29	1.6	0.14

Approximate strength of the fishing population: Latest figures available are for 1944: about 10,695 families.

Facilities available for curing, storage and refrigeration, co-operative marketing: Generally fresh fish arrive in the markets and curing is rarely resorted to. Gorakhpur, Basti, Kanpur, Lucknow and Dehra Dun are some of the fish markets where there are some arrivals of dried and salted fish.

Active steps are being taken to encourage fishermen to form co-operative societies and to help them as far as possible in the procurement of their requirements. The first society of its kind for co-ordinating all Roak fishermen residing in the stretch of Ganges in Allahabad district is under formation at Allahabad.

Potential demand for fish in the local markets: There is great demand in the local market. A major portion of the fish production in the State is exported by the fish traders to more lucrative markets outside the State such as Calcutta, Delhi, etc. To supplement this the Tank Stocking and Development Scheme as part of Government of India's 'Grow More Food Campaign' was launched in the State in 1944-45.

It has been decided by the Government to restrict the departmental activities to large sheets of waters with no risk of drought and overflooding and easily accessible to the markets and to set aside the small village ponds for private enterprisers.

1,806 acres were stocked and 477 acres were restocked during 1952. Besides, the stocking of 8 big reservoirs, viz. Pahu (1,372 acres), Barwar (2,485 acres) in Jhansi, Kitham (840 acres) in Agra and one Kondar Tal (375 acres) in Gonda was also undertaken. With all this effort the production, it is felt, is insufficient to meet the demand.

Government effort in up-to-date fishing technique, money spent, trawlers, gears used, quantity of fish caught : Gill net of size 2,500 ft. (approximately) by 20 ft. has been prepared out of parachute silk at a total cost of Rs. 2,275. Trial netting in one of the lakes on the hills, viz. Naukuchia Tal has commenced and the netting so far is successful. Special types of oxygen carrier for transport of fry and fingerlings by rail and air have also been constructed.

Government effort in educating fishermen : Such training is imparted in the State at Bananas.

Public museums, aquariums, experimental farms in the State : A small museum exists in the Central Fisheries Research Laboratory, Badshahbagh, Lucknow where all possible fish species available in the State have been displayed. An aquarium room in the Laboratory is also being fitted up.

There are two Government experimental farms in the State—one at Bhowal, District Naini Tal, where two exotic fishes, viz. Mirror Carp and Darjeeling Mahaseer are kept for breeding and the other is at Mirzapur where problems which confront the growth of fishes in land-locked waters are studied.

Schemes under Five-Year Plan : i) Research Fish Farm, Mirzapur ; ii) Revival or permanent posts of Fish Marketing Officer and Fisheries Inspectors of Lucknow Circle ; iii) Replacement of vehicles for Fisheries Section ; iv) Rentals for fry and fingerlings collection ; v) Construction of special transportation tanks for road and air transport of fry and fingerlings to reduce mortality ; vi) Development of Fisheries in Canal Reservoirs.

Revenue from Fisheries during 1952-53 : Rs. 1,46,580.

Latest budget allotment for the Department (1953-54) :

	Rs.
(a) Direction	46,000
(b) Research	1,17,500
(c) Development and Stocking—	
(i) Scheme qualifying for Central subsidy ..	1,97,500
(ii) Scheme not qualifying for Central subsidy ..	2,55,200
Total	6,16,200

The designation of the Fisheries Department : Department of Animal Husbandry and Fisheries, Uttar Pradesh, Lucknow.

WEST BENGAL

Kinds of sea fish caught : Pomphret, Bhetki, Mackrol, Prawn, Tapal, Hilsa, Chanda, Bhola, Bombay Duck, Ribbon, Shark, Rayr, Skate, Eel, Cat fish, Phasa, etc.

Total quantity of sea fish caught in 1952 : 11,321 mds.

Total value of the sea fish caught in 1952 : Rs. 1,97,655.

Price per ton of different kinds of fish in March 1952 :

Varieties	Maximum	Minimum	Average
	Rs.	Rs.	Rs.
Carp	130	45	84.4
Hilsa	92	30	63.4
Bhetki	95	60	90.2
Mullet	90	60	65.2
Bulter	90	15	49.8
Prawn	140	65	92.13
Shrimp	60	10	33.10

Approximate strength of the fishing population : 96,400.

Potential demand for fish in the local market : In West Bengal (27,647 mds.) ; In Calcutta (5,561 mds.).

Extent to which production meets this demand : Seven per cent.

Money spent by Government in connection with fishing (upto 1952-53) :

Non-recurring	Rs. 8,95,861
Recurring	„ 11,36,065

Rs. 20,31,926

Gears used : Haddock trawl, Prawn trawl, Herring trawl, etc., all made of cotton twines.

Quantity of fish caught : 22,347 mds.

There is one experimental fish farm maintained by the State Government.

Ancillary industries like liver oil, gelatin, glue, fish-meal, and their production : One Scheme for production of shark liver oil, fish-meal, processed fish and utilisation of other fish by-products is operated at Contal coast.

Production upto 1952-53 :—

Shark liver oil—21,520 lb. ; Fish-meal—131,070 lb. ; Processed fish—18,711 lb. ; Fresh fish—158,688 lb.

Schemes under Five-Year Plan :

- Pilot Scheme for the development of Beel Fisheries in West Bengal.
- Distribution of capital goods to the needy fishermen at subsidized rates.
- Development of tank fisheries by setting up of nursery units in rural areas of the State.
- Unlonwari Tank Fishery Development Scheme.
- Improvement of tank fisheries in the dry districts of West Bengal.
- Production of shark liver oil, fish-meal, processed fish and utilisation of other fish by-products.
- Maintenance of a central pool of pumps and mudiogs for dewatering and deslitting of water areas for fish farming (since discontinued).
- Conservation of freshwater fish seedlings (carps) by controlling the mortality of spawn at different stages.
- Sea-fishing scheme.

Approximate Revenue from fisheries during 1952-53 : Rs. 2,25,000.

Budget allotment for the Department for 1953-54 :

Expenditure head	Rs. 18,50,000
Loan head	„ 11,40,000
Total	Rs. 29,90,000

The designation of the Fisheries Department : Directorate of Fisheries, West Bengal under the administrative control of Forests & Fisheries Department and Development Department, the latter controlling the sea fishing scheme only.

IRRIGATION

THE area under irrigation in India is about 49 million acres and is the largest irrigated area in any country of the world.

The total capacity of India's canals is over 220,000 cusecs, and the canals are over 60,000 miles in length.

The total capital outlay on irrigation works is over rupees 125 crores.

The total amount of annual flow of water in the Indian Union is 1,356 million acre feet. Of this only 76 million acre feet or 5.6 per cent are at present being used for irrigation purposes.

Allotment under the Plan—Rs. 245 crores.

At present eight multi-purpose schemes, one major irrigation scheme, three power schemes each costing over Rs. 10 crores, and 24 schemes each costing between Rs. two crores and ten crores, and 99 schemes each costing less than Rs. 2 crores, are under actual construction.

The total estimated cost of the 12 major schemes is Rs. 438 crores.

In addition to generation of power the completion of these projects will progressively increase the area under irrigation and improve the food supply as under :—

Year.	Irrigation (1,000 acres).	Additional food million tons (based on present standard of agriculture).
1951-52 ..	847	0.2
1952-53 ..	1,114	0.4
1953-54 ..	1,997	0.7
1954-55 ..	4,315	1.4
1955-56 ..	5,499	1.8
1956-57 ..	6,685	2.2
1957-58 ..	7,502	2.5
1958-59 ..	8,527	2.8
1959-60 ..	9,190	3.1
Ultimately ..	12,949	4.8

The total estimated cost of the projects under construction and of those which have not yet been started is about Rs. 2,000 crores, spread over a number of years. All these works, if and when completed, will add over 45 million acres to India's existing 49 million acres irrigated area.

The following are the new projects under construction. Bhakra-Nangal Project (Punjab), Damodar Valley Project (Bihar and West Bengal), Hirakud Dam Project (Orissa), Tungabhadra Project (Hyderabad, Andhra, Mysore), Gangapur Storage Project (Bombay), Kakrapar Project (Bombay), Godavary Project (Hyderabad), Lower Bhavani Project (Madras), Mayurakshi Reservoir Project (West Bengal) and the Ghatprabha Valley Project (Bombay).

The following schemes have been sanctioned but work on them has not yet started: Kosi Project (Bihar), Gandak Valley Project (Bihar), Koyna Hydro-electric Project (Bombay), Broach Irrigation Project (Bombay), Krishna-Pennar Project (Andhra), Ramapadasagar Project (Andhra), and Pipri Dam and Power Station Project (Uttar Pradesh).

The following are the different measures, which are envisaged and the extent to which, on the first estimates which have been framed, additional production may be secured from each of them.

	Area (Acres).	Additional Production (Tons).
Major Irrigation Projects ..	8,712,000	2,272,000
Minor Irrigation Schemes ..	7,621,000	1,932,000

	Area (Acres).	Additional Production (Tons).
Land Improvement & Reclamation Scheme ..	7,405,000	1,524,000
Manure and Fertilizer Schemes, Seed Distribution Schemes, other Sources ..	..	1,474,000

Upto end of March 1953 the sums spent are as follows : Bhakra, Rs. 55 crores ; Damodar, Rs. 46 crores ; Hirakud, Rs. 24 crores.

Classing a year in which the deficiency is 25 per cent. as a dry year and one in which it is 40 per cent. as a year of severe drought the examination of past statistics shows that, over the precarious area, one year in five may be expected to be a dry year and one in ten a year of severe drought. It is largely in order to remove the menace of these years that the great irrigation systems in parts of the country have been constructed.

In the arid tracts where the annual rainfall is less than 15 inches, no cultivation is normally possible without irrigation.

In India today we have a vast network of canals in Uttar Pradesh, the Punjab, the deltaic area of Madras and some parts of Bihar. There are about 118 high dams distributed mainly in Bombay, Madhya Bharat and southern India. It is interesting to note that the number of all storage works mainly earthen works, big or small, exceeds, 35,000 in Madras and 25,000 in Mysore State.

IRRIGATION STATISTICS

Area Cultivated and Irrigated

State.	Gross area.	Culturable area.	Sown area.	Area irrigated in 1949-50							
				By Govt. Canals.	By Govt. Tanks.	Total Govt works.	By Private			Total Irrigated Area.	
							Canals.	Wells.	By other Sources.		
Part A States											
Assam	54,404	24,109	6,192	2	22	24	655	—	403	1,082	
Bihar	45,011	31,338	22,607	821	1,136	1,957	—	583	1,740	4,280	
Bombay	71,318	34,735	34,473	378	154	532	64	1,035	129	1,760	
Madhya Pradesh	88,374	42,406	32,305	269	1,140	1,409	—	206	71	1,686	
Madras	81,785	52,108	35,796	4,410	3,226	7,636	156	1,959	320	10,070	
Orissa	38,487	10,980	7,451	367	473	840	53	34	678	1,605	
Punjab	23,922	16,117	13,337	3,636	7	3,643	337	1,845	21	5,846	
Uttar Pradesh	72,581	52,605	39,780	4,571*	12	4,583	16*	4,323	1,882	10,803	
West Bengal	19,696	18,609	12,978	279	1,035	1,314	304	15	680	2,218	
Part B States											
Hyderabad	52,588	38,507	22,530	173	834	1,007	13	418	50	1,486	
Jammu & Kashmir	59,379	3,443	1,301	97	5	102	516	8	75	701	
Madhya Bharat	29,746	12,091	9,691	135	36	171	—	280	11	462	
Mysore	18,373	10,286	6,596	262	611	873	3	85	198	1,159	
P&P&S	6,450	5,772	4,844	1,297†	—	1,297	24†	618	20†	1,959	
Rajasthan	83,332	7,541	9,450	631	70	701	11	672	89	1,473	
Saurashtra	13,729	7,200	1,013	8	—	8	—	60	4	67	
Travancore-Cochin	5,852	8,254	3,046	365	123	488	91	33	500	1,112	
Part C States											
Ajmer	1,547	868	388	—	16	16	—	99	1	116	
Bhopal	4,402	2,522	1,062	2	1	3	—	11	8	17	
Bilaspur	290	80	124	—	—	—	5	—	—	5	
Coorg	1,015	321	166	4	2	6	—	—	1	7	
Delhi	370	286	256	27	4	31	—	19	—	50	
Himachal Pradesh	6,689	398	—	—	—	—	—	—	185	185	
Kutch	10,708	—	245	—	9	9	—	60	—	69	
Manipur	5,582	—	—	—	—	—	—	—	—	—	
Tripura	2,580	351	472	—	—	—	—	—	—	—	
Vindhya Pradesh	15,106	—	520	37†	17†	54	—	164	—	219	
Sikkim	1,757	—	—	—	—	—	—	—	—	—	
Andaman & Nicobar Islands	2,012	—	—	—	—	—	—	—	—	—	
TOTAL ..	812,580	370,927	266,623	17,766	8,933	26,699	2,247	12,427	7,012	48,486	

* Figures are for 1950-51.

† Figures are for 1948-49.

Gross Irrigated Area Under Crops in 1942-46.

(In thousand acres)

States	Rice	Wheat	Barley	Jowar	Bajra	Maize	Other Cereals and Pulses	Sugar-cane	Other Food Crops	Cotton	Other Non-food Crops
Assam	1,317	—	—	—	—	—	2	—	4	—	2
Bihar	2,866	346	321	4	2	92	806	139	223	6	69
Bombay	285	262	11	364	88	34	133	187	204	3	232
Madhya Pradesh	1,506	27	2	1	—	(a)	5	48	140	(a)	6
Madras	8,256	5	(a)	505	301	8	1,061	168	253	162	508
Orissa	1,376	3	—	(a)	—	1	192	23	76	(a)	18
Punjab	238	1,472	111	67	218	263	781	228	104	208	943
Uttar Pradesh	706	4,066	2,159	28	6	60	2,591	1,415	377	51	466
West Bengal	1,847	14	2	(a)	(a)	4	42	37	27	(a)	20
Hyderabad	1,131	21	10	40	10	33	44	89	122	5	32
Jammu & Kashmir	362	26	33	1	(a)	46	25	1	18	2	80
Madhya Bharat	36	137	34	(a)	—	7	47	59	20	6	70
Mysore	747	2	—	26	14	(a)	116	48	80	7	112
PEPSU	22	518	02	14	92	127	430	57	—	140	458
Rajasthan	9	283	183	54	72	47	252	26	320	54	219
Saurashtra	—	48	—	—	—	—	—	6	—	—	—
Travancore-Cochin	717	(a)	—	—	—	(a)	13	13	199	—	222
Ajmer	(a)	19	33	1	1	33	7	(a)	15	9	11
Bhopal	(a)	1	(a)	—	—	(a)	1	12	5	—	(a)
Bilaspur	3	4	(a)	(a)	—	1	(a)	(a)	1	(a)	—
Coorg	6	—	—	—	—	—	—	—	—	—	—
Delhi	(a)	27	2	4	(a)	1	4	6	9	(a)	9
Himachal Pradesh	48	48	10	(a)	(a)	13	12	(a)	15	(a)	7
Kutch	—	19	3	5	20	—	(a)	(a)	(a)	1	6
Tripura	—	—	—	—	—	—	—	—	—	—	—
Vindhya Pradesh	1	23	14	—	—	—	28	3	1	—	(a)
Total	21,239	7,401	2,990	1,114	824	770	6,592	2,570	2,218	663	8,520

(a) = Below 500 acres.

FINANCES

Irrigation works are divided into three classes, viz., productive, unproductive and minor works.

Productive.—A productive work is one, the net revenue of which within ten years from the date of its completion is sufficient to cover its working expenses and the interest charges on its capital cost.

The rate of interest on the capital outlay of works constructed during the different periods have varied. For works sanctioned before 1st April 1919, the rate is 4 per cent, for works sanctioned between the 1st April 1919 and 1st August 1921 it is 5 per cent, and for works sanctioned between 1st August 1921 and 31st March 1937 it is 6 per cent. For works sanctioned after 1st April 1937, i.e. after the introduction of the

Government of India Act, 1935, different percentages have been adopted in different parts of India.

In most of the States, the rate is now 4 per cent.

The Government of India have recently fixed 3½ per cent as the rate of the return on capital for determining whether a capital work should be classed as productive. This rate which took effect from April 1, 1940 applies to all projects financed by the Central Government and also for determining the productivity of State works for which loans may be sought from the Centre.

Irrigation works constructed in recent years and those under construction or contemplation are more expensive. To satisfy the productivity test, the Planning Commission has stressed the need for raising the revenue structure by linking

the water rate with the nature and quantum of crops grown and by levying betterment charges.

Unproductive works are those which yield a net revenue which is less than the percentage fixed for productive works.

They are constructed primarily with a view to protecting the precarious tracts and to guard against the necessity for periodical expenditure on relief of the population in times of famine. They are financed from the current revenues, generally from the annual grants for famine relief and insurance.

Minor.—These are small works for which, detailed capital or revenue accounts are not maintained. Such works may be productive or unproductive.

The following table shows the financial results of productive and unproductive works upto the end of the year 1946-47 in some States.

Name of State.	Productive Works.			Unproductive Works.			Total Productive and Unproductive Works.		
	Capital Outlay (direct and indirect).	Net revenue.	Percentage on Capital Outlay.	Capital Outlay (direct and indirect).	Net revenue.	Percentage on Capital Outlay.	Capital Outlay (direct and indirect).	Net revenue.	Percentage on Capital Outlay.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Assam	—	—	—	—	—	—	—	—	—
Bihar	2,68,23,344	14,41,956	5.38	87,91,180	74,443	0.85	3,56,14,524	15,16,399	4.26
Bombay	14,98,355	1,29,869	8.67	8,77,65,642	35,89,058	4.09	8,92,63,997	37,18,927	4.17
Madhya Pradesh	—	—	—	Not available.	6,62,252	Not available.	Not available.	6,62,252	Not available.
Punjab*	8,57,31,943	1,28,01,472	14.73	3,88,435	187	0.05	8,61,20,378	1,28,01,659	14.87
Madras	15,68,47,915	1,24,29,981	7.92	4,65,34,554	3,77,236	0.78	20,53,82,469	1,28,07,267	6.24
Orissa	—	—	—	8,29,35,404	—8,31,441	—	8,29,35,404	—8,31,441	—
Uttar Pradesh	19,38,71,134	1,54,13,005	8.00	14,71,75,729	34,39,702	2.34	34,00,46,863	1,88,52,707	5.54
West Bengal	17,31,299	—	—	2,20,01,802	—18,094	—	2,37,32,601	—18,094	—
Minor States	—	—	—	29,62,744	17,156	—	29,62,744	17,156	0.58
Total	46,55,08,990	4,22,16,233	9.07	35,05,54,990	78,10,549	2.08	81,60,58,980	4,95,26,832	6.07

* 1945-46 figures.

In addition capital outlay in the former Indian States exceeds Rupees 90 crores for which details are not available.

CHARGES FOR WATER

Charges for water supplied for irrigation from Government canals, etc., are levied at different rates and in different ways in the various administrations. In most areas water rate is paid separately from land rent according to the area actually irrigated and matured, the rate varying with the crop sown. In some areas, notably in Hyderabad, on minor works in

Bombay and wet lands in Madras and southern Orissa, assessment for irrigated crops includes both land rent and water rate.

A different system of assessment is in force in parts of West Bengal, Madhya Pradesh and for long leases and Kharif season leases in Bihar, where a cultivator pays a small rent for a term of years whether he takes water or not.

Perennial block system is in force on major irrigation works in the Deccan.

Water rates are assessed on a seasonal basis for various types of crops.

By far over the greater part of the country water is paid for separately, the area actually irrigated is measured and a rate is charged per acre according to the crop grown.

Water rates on some important crops as assessed in some States are as given under :—

Name of State	Name of Crop					
	Sugarcane	Rice	Cotton	Wheat	Maize	Pulses and Millets
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Punjab	9 0 0 to 11 1 6	6 8 0 6 8 10	3 8 0 5 4 0	4 4 0 4 4 7	3 12 6 4 4 0	2 8 0 3 4 5
Madras	7 8 0 to 12 0 0	6 4 0 to 10 0 0	3 2 0 to 10 0 0	.... to 3 0 0	3 2 0 to 3 0 0	3 2 0 to 2 8 0
Uttar Pradesh	5 0 0 to 12 0 0	4 0 0 to 7 8 0	2 8 0 to 5 8 0	3 0 0 to 5 0 0	3 0 0 to 5 0 0	2 8 0 to 3 4 0
Hyderabad	27 0 0 to 33 0 0	One crop 11 0 0 to 13 0 0 Two crops 17 0 0 to 18 0 0	............	............	............	............

Taken as a whole, irrigation is offered on extremely easy terms, and the water rates represent only a very small proportion of the extra profit which the cultivator secures from the water he receives.

There are at present (including Ceylon), nine research organisations which carry out research and model experiments on problems confronting engineers in the field of irrigation, canal and river engineering.

The Central Waterpower Irrigation and Navigation Research Station at Khadakvasla is being expanded and will comprise nine sections, viz. (1) River and Canal Hydraulics, (2) Navigation, (3) Soils and Soil Mechanics, (4) Concrete and Materials of Construction, (5) Mathematics, (6) Statistics, (7) Physics, (8) Chemistry and (9) Hydraulic-Machine Testing.

Among the important large scale model experiments in progress at the Station are Hoogly Port, Madras and Cochin Harbours, Hirakud Spillway, Mahanadi River and Kakrapar Weir.

The Bombay Government, however, continues to maintain a separate research station where *inter alia* the problem of the disposal of untreated sewage of Poona by irrigation methods continues to be examined and developed.

MULTI-PURPOSE PROJECTS

During the period of the Five Year Plan 110 projects will be completed and a start made on five more new projects. All those under construction, investigation and consideration will require Rs. 2,000 crores and would eventually add about 45 million acres of canal fed land and generate an additional 7 million kW of power.

The projects taken up during the period of the Plan will irrigate an additional 8.5 million acres and produce 1.08 million kW extra power. The increase in foodgrains will be about 2.1 million tons annually. On their complete development the irrigated area will increase by 16.9 million acres and power by 1.4 million kW.

The 110 projects are mostly being executed by the State Governments. In addition, there are multi-purpose projects which provide for irrigation, hydro-electric power, flood control, navigation and fish culture.

The most important of these under actual construction include :—

Bhakra-Nangal Project (Punjab).— The principal feature of the project is the construction of a dam about 680 feet high on the river Sutlej near the village of Bhakra about 50 miles upstream of Rupar Town in the Ambala District. The total storage capacity of the reservoir is estimated to be 7.40 million acre feet, of which 5.6 million acre feet will be available for use. The reservoir will extend to about 50 miles above the dam.

The dam will be of the straight gravity type in concrete. The length at the top will be about 1,650 feet.

During the construction of the dam, the waters of the Sutlej will be diverted through two 50-foot diameter tunnels, one on each side. The length of the two tunnels will be about one mile. Pilot headings of these tunnels have since been completed and their enlargement to a full diameter of 50 feet is in progress.

About eight miles downstream of Bhakra Dam site, Nangal Dam on the river Sutlej has been completed except for the installation of gates.

This dam will serve firstly to divert the requisite supplies from the river for the Nangal Hydel Canal, secondly to provide storage to smoothen the fluctuations in supplies due to load variations in Bhakra Power Plant. The Nangal Canal will take off from the left bank of the river Sutlej at Nangal Headworks. It will be a lined canal about 40 miles long with a maximum capacity of about 10,000 cusecs.

The Bhakra Main Line will take off from the tail of this channel at Rupar.

There will be three power houses on the Nangal Canal. The first two power houses, each utilizing a head of 98 feet, are under construction and are situated 12 and 18.6 miles downstream of the Nangal Dam and the third is to be located at Rupar with a fall of about 80 feet into the Sirhind Canal.

The firm power potential of the project works out to 400,000 kW at 100 per cent load factor. This power will be utilised in the States of the Punjab, PEPSU, Himachal Pradesh, Delhi and Rajasthan.

The Project is expected to be completed in 1960. A sum of Rs. 55 crores has been spent up to March 31, 1953.

Work is proceeding satisfactorily at the Bhakra dam site. Partial irrigation has already started. On completion it will irrigate 3.6 million acres in Punjab, Rajasthan and PEPSU.

The increases in foodgrains will be about 1.3 million tons a year, cotton 0.8 million tons, sugarcane 0.5 million tons and pulses and oil seeds 0.1 million tons.

Damodar Valley Project (Bihar and West Bengal).—The Damodar Valley Project which is one of the most important multi-purpose schemes and is to benefit the States of Bihar and West Bengal, has as its main features the construction of (a) Multi-purpose storage dams with hydro-electric plants, (b) two additional hydro-electric plants, at Konar No. II and Bermo respectively, (c) the Steam power plant of 20,000 kW capacity, (d) an irrigation project with a net work of irrigation canals and distribution measuring 1,553 miles, (e) a 90 miles long navigation canal, and (f) a power transmission grid.

The ultimate benefits that will accrue from this scheme include (a) effective flood control of the Damodar River, (b) perennial irrigation of 987,000 acres including 195,000 acres now irrigated in the kharif season, resulting in an additional yield of rice and rabi crop amounting to Rs. 18.65 crores a year, (c) the generating of 240,000 kW of electric power, which will promote the growth of industry, lead to the electrification of railways, etc., and (d) cheap transport facilities through the navigation canal.

The estimated cost of the scheme was Rs. 67.90 crores. The latest estimate is Rs. 83 crores. The construction of some of the dams was started in 1945 and 1949 and the entire project is programmed to be completed by 1954-55.

The first phase of the project as included in the plan comprises (1) the Bokharo thermal station of 150,000 kW capacity, (2) Tilaiya dam with a power station, (3) the Konar dam, (4) the Maithon dam, (5) the Panchet Hill dam, (6) Durgapur barrage and canals, and (7) transmission line system.

The Tilaiya project has been completed and the hydro-power station with two generating sets of 2,000 kW each has also been commissioned. An area of 5,000 acres was irrigated from this dam in 1952. The Konar dam was expected to be ready by July 1953.

The Maithon Dam on the Barakar river, one of the large tributaries of Damodar is one of the two key dams on which flood control and irrigation in the lower Damodar Valley will largely depend. The entire work is scheduled to be completed by June 1954 and the hydro-electric station by March 1955. The development of the Damodar Valley is planned on T.V.A. lines and the Damodar Valley Corporation, set up by the Central Government by an Act, is in charge of the Project.

Gangapur Storage Project (Bombay).—This Project comprises a 12,500 foot earthen dam with a reservoir of 120,500 acre feet capacity on the river Godavari at Gangapur in Nasik District. This will supplement the existing supplies to the Godavari Canals and also provide water supply to Nasik City.

It is also proposed to harness falls below the dam, if possible, for generation of power. The work on the project is in hand and is expected to be completed by 1955-6. The additional area to be brought under irrigation is 37,500 acres and the increase in food production will be 7,500 tons. The estimated cost of the project is Rs. 334 lakhs.

Ghatprabha Valley Project (Bombay).—This Project comprises the construction of two storage dams, one on the Ghatprabha river and the second on the Hiranakeshi, a tributary of the Ghatprabha river. The whole scheme is expected to cost Rs. 30 crores.

It will provide seasonal irrigation to about 100,000 acres of land. It has already started irrigation over the first 15 miles and is expected to be completed by 1955-56.

Godavari Project (Hyderabad).—This is a multipurpose scheme and envisages the construction of four dams, two on the main river Godavari and two on the tributaries, the Kaddam and the Manair. The canals will take off from the lower dam on the Godavari on both the north and south banks.

The total capacity of the reservoirs formed by the dams will be about 3.0 million acre feet. The total area irrigated will be two million acres. In addition hydro-power to the extent of 175,000 kW will be generated at the dam and the drops on the canals. The total cost of the scheme including power development and transmission lines is estimated at Rs. 75 crores.

As a first step in the implementation of this scheme, a part consisting of the dam on the Kaddam tributary and the canal from it, 90 miles long, has been taken up at a cost of Rs. 8.4 crores. This partial scheme will bring under irrigation 227,000 acres. The work is programmed to be completed by 1955.

Hariko Barrage.—At the confluence of the river Sutlej and Beas has been completed the Hariko Barrage except for the installation of gates. Work on the Ferozepore Feeder and the Bakhu canals is in progress.

Hirakud Dam Project (Orissa).—The dam will be nearly three miles in length across the main channel of the river Mahanadi with 17 miles of low dykes on the two sides. The maximum height of the dam will be about 195 feet. The reservoir will have a gross storage capacity of 6.75 million acre feet.

Nearly 1.9 million acres of land will be irrigated and nearly 200,000 kW of firm power will be generated. The ultimate power expected from this project at main dam is 123,000 kW. This will be augmented to 199,500 kW if it is subsequently decided to construct a subsidiary dam and power channel.

With the construction of the Hirakud Dam, it will be possible to afford substantial and adequate measures of flood protection to the delta area at relatively small cost. The regulated releases of water from the Hirakud reservoir will permit appreciable improvement in the navigability of the Mahanadi.

The cost of the Hirakud Dam project including the main transmission lines and grid substations was originally estimated at Rs. 48 crores. But according to the revised estimate of the Advisory Committee the whole project is estimated to cost Rs. 92 crores.

Work on the dams is well under way. Both irrigation and power are expected to be available from the Project in 1955.

Kakrapar Weir and Canals Project (Bombay).—This Project has been taken up by the C.W.I.N.C. on behalf of the Government of Bombay and was inaugurated on November 1, 1949.

The project is proposed to be developed in two stages. The weir about 2,175 feet long and 45 feet high above the deepest river bed was completed in the middle of 1953. Canals which will aggregate 850 miles are intended to irrigate 6 lakh acres of land in the Surat District, increasing food production by 1.6 lakh tons and cotton by 16,000 tons.

The project will cost about Rs. 6½ crores.

It is also proposed to construct a storage dam at Ukai, 16 miles upstream of Kakrapar.

In stage II the height of the dam will be raised for increasing the gross storage capacity to 3.55 million acre feet.

There will be two power houses, one at the dam site and the other at the end of a 16 mile power canal with a total installed capacity of 200,000 kW. The firm power available at 60 per cent load factor will be 133,000 kW. There will be in addition high level canals commanding a gross area of 100,000 acres.

Stage II will cost Rs. 31 crores and is expected to be completed by 1956-57. The scheme will ensure partial flood control of the river.

Lower Bhavani Project (Madras).—This comprises the construction of a dam, 160 feet high and 1,520 feet long with earthen flanks across the river Bhavani, a tributary of the Cavery. The site is about 20 miles from the Mettupalayam railway station. A canal on the right side, 121 miles long, will irrigate about 207,000 acres of cotton, cholam and rice crops in Coimbatore District and it is intended to develop seasonal power of 10,000 kW.

The cost of the scheme is Rs. 9.61 crores. A start on the construction was made in 1948 and it is scheduled to be completed by 1954, but irrigation began in 1953.

Mayurakshi Reservoir Project (West Bengal).—This project comprises the construction of a low masonry dam 117 feet high to store 0.5 million acre feet of water, a weir at Tilpara and a canal system extending over 1,240 square miles on both sides of the river Mayurakshi.

The scheme will bring under irrigation an area of 595,000 acres for kharif and 1,000,000 for rabi crops. In addition 4,000 kW hydro-power will also be generated. The estimated cost of the scheme is Rs. 15.5 crores. The project is under construction and is programmed to be completed by 1954.

Tungabhadra Project (Hyderabad, Andhra, Mysore).—The Tungabhadra Project, work on which was taken up jointly by Madras and Hyderabad, has as its main feature a masonry dam about 160 feet high and 7,942 feet long across the river Tungabhadra, a tributary of the Krishna near Mallapuram in Bellary District. The effective capacity of the reservoir will be 2.68 million acre feet.

The construction of the dam was started in 1945. It has cost Rs. 50 crores. The first waters from it were released for irrigation on June 30, 1953. About 250,000 acres in Andhra and 4,50,000 acres in Hyderabad are irrigated by the two canals one 225 miles long covering Bellary and Kurnool districts and the other 127 miles long on the Hyderabad side.

The dam will help in raising food production by 140,000 tons. The Hydro-electric supply from this project will be 65,000 kW on the Andhra side and 110,000 kW on the Hyderabad side.

NEW WORKS

Broach Irrigation Project (Bombay).—This consists of a dam 166 feet high approximately 48 miles north-east of Broach on the Narmada river. The canal systems on both bank will command an area of 1.8 millions acres.

The scheme is estimated to cost Rs. 10 crores and will take seven years for completion.

Chambal.—For the development of the Chambal river basin, shared by Madhya Bharat, Rajasthan and Uttar Pradesh, three dams—one in Madhya Bharat and two in Rajasthan—and a barrage below Kotah in Rajasthan will have to be built.

Extra development of the basin is expected to cost about Rs. 48 crores and will irrigate 1.2 million acres and generate 100,000 kW.

In the initial stage, the Kotah dam and part of the transmission system have been dropped and the cost reduced to Rs. 36 crores.

Gandak Valley Project (Bihar).—This project envisages the construction of a barrage across the Gandak River at Tribeni Ghat just below the offtake of the existing Tribeni canal and two new canals one on either bank of the river. The area to be brought under irrigation is 2.5 million acres in Bihar, 0.75 million acres in Uttar Pradesh and 0.1 million acres in Nepal. The scheme is estimated to cost Rs. 25 crores.

Kosi Project (Bihar).—The Kosi project envisages the construction of a dam of an unprecedented height of about 785 feet above rock foundations on the Kosi River, a mile upstream of Barakhshetra temple in Nepal, for flood control, power, irrigation, navigation, soil conservation, silt control, fish culture and recreation, etc.

The barrage will be constructed across the Kosi at Chatra in Nepal and the canals one on either bank will take off to irrigate 3.845 million acres, out of which 0.52 million acres will be in Nepal and 3.325 million acres in Bihar. The power station to be installed in the body of the dam will have an installed capacity of 1.8 million kW.

The project has been planned for construction in seven stages. The total scheme is to cost Rs. 177 crores. In the first stage, it is proposed to moderate the intensity of floods and irrigate 27 lakh acres in Nepal and Bihar at a cost of Rs. 68 crores.

Koyna Hydro-electric Project (Bombay).—The Koyna Project contemplates the construction of a dam across the Koyna River at Jalkwadi. The scheme is ultimately capable of generating 580,000 kW of firm power at about 75 per cent load factor. The scheme is estimated to cost Rs. 65 crores.

In the first stage four units of 60,000 kW will be erected at a cost of Rs. 36 crores.

Krishna-Pennar Project (Andhra).—This project is by far the most important scheme in the State of Andhra. It consists of the construction of two reservoirs, one in Kurnool district on the Krishna River near Siddeswaram and the other on the Pennar by a large canal cut about 100 feet deep through the ridge separating the two rivers.

Between the Krishna and the Pennar, large areas would be brought under irrigation in Kurnool and Cuddapah districts. The total area to be irrigated will be 3.2 million acres. Large blocks of firm and seasonal power will also be developed.

The estimated cost of the project is Rs. 120 crores excluding the cost of works required for power generation.

Pipri Dam and Power Station Project (Uttar Pradesh).—This Project is proposed to impound nine million acre feet of water by a 280 feet high dam across the river Rihand, a tributary of the Son, near village Pipri. The power house will have an installed capacity of 240,000 kW and it will also bring under irrigation about four million acres of land.

The estimated cost of the scheme including transmission and transformation, is about Rs. 31.2 crores.

Preliminary investigations have been completed and contract drawings specifications prepared. However, due to financial stringency, work on this scheme has been considerably slowed down.

Ramapadasagar Project (Andhra).—Like the Krishna Pennar is a super project costing about Rs. 129 crores. It envisages the

construction of a concrete dam, 480 feet high with the lowest foundation level 190 feet below the river bed.

The project will irrigate 2.7 million acres of 1st and 2nd crop and will improve the existing supply of another 2.11 million acres of land. It will develop 150,000 kW of firm power and provide in addition, navigation facilities from the port of Vishakapatnam to the hinterland of the lake.

The annual food production is expected to be 1.1 million tons. The project will take 10 years for completion.

Ukai.—A tie up with the Koyna is the Ukai dam proposed across the river Tapti in Gujarat. It has an irrigation potential of 529,000 acres in addition to an installed capacity of 300,000 kW.

FIVE-YEAR PLAN

The allotments are as follows :

Irrigation—Rs. 168 crores

Multi-purpose irrigation and power—Rs. 266.

Minor irrigation works—Rs. 77 crores.

By 1956 the projects will irrigate 8.5 million additional acres. The minor irrigation works will irrigate another 11 million acres.

The total irrigated area will increase from 49 million acres to about 68 million acres by 1956.

The addition year by year will be as follows : 1952-53—1,800,000 ; 1953-54—3,555,000 ; 1954-55—5,749,000 ; 1955-56—8,533,000 ; Ultimate—16,942,000.

The targets for additional production are : Foodgrains—7.6 million tons ; cotton—1.28 million bales ; jute—2.09 million bales ; sugar—0.7 million tons ; oilseeds—0.4 million tons.

Major irrigation works will yield 2.01 million tons of foodgrains, minor works 1.78 million tons.

PATENTS AND DESIGNS

THE Law relating to Patents and Designs in India is contained in the Indian Patents and Designs Act, 1911 (II of 1911) as amended upto date and the Rules issued thereunder

This Law is expected to be revised thoroughly on the basis of the recommendations of the Patent Enquiry Committee. A Bill embodying these recommendations has been prepared by Government and will be placed before Parliament shortly

This Law at present extends to the whole of India except the State of Jammu and Kashmir. With the extension of the Law to the whole of the Indian Union, the pre-existing patent laws, if any, in the "Indian States" have been repealed. The Law does not extend to Pakistan, United Kingdom or any British possession

The Patent Office at Calcutta which was established under the Indian Patents and Designs Act, 1911 is the only Office for the whole of India except the State of Jammu and Kashmir. The Office is in the charge of the Controller of Patents and Designs. It has no branches or agencies elsewhere

India is not a party to the International Convention for the Protection of Industrial Property. But, arrangements for giving "Priority" patents and registered designs exist between India on the one side and each of the following countries on the other, viz. Australia, Canada, New Zealand, Eire, the United Kingdom, the Union of South Africa, and Pakistan. In the case of Ceylon, priority arrangements exist in respect of patents only and not in respect of designs

PATENTS

The main provisions of the Indian Patents and Designs Act which regulate the granting of patents and patent rights are briefly as follows —

Varieties of Patent.—The Act provides for the granting of four kinds of patents, namely —

- (i) a patent which is dated as of the official date of the application for the patent,
- (ii) a patent of addition, for improvement or modification of an invention for which invention a patent has already been applied for or granted,
- (iii) a secret patent for an invention relating to instruments or munitions of war,
- (iv) a patent claiming "Priority," which is dated as of the official date of the corresponding application for patent first made in a country outside India which has established reciprocal arrangements with India for mutual protection of inventions.

What may be Patented.—The subject-matter of a patent should be a "manner of new manufacture," which may be any process or apparatus for producing, preparing, or making an article, or any article of manufacture. It is essential that the process, apparatus or article of manufacture should suggest an act to be done or an operation to be performed, and that the result must be a vendible product.

Illustrations of patentable inventions are new textile machines, power plants, agricultural implements, domestic appliances, drying and moistening apparatus and processes, and sanitary appliances. New compositions of matter may also be patented if their properties would not be deducible from known properties of their constituent substances. In the field of chemical industry, new processes and apparatuses for manufacturing synthetic products, food stuffs, dyes, soda ash, caustic soda, bleaching powder, toilet preparations and processes for the treatment of oil seeds, by-products and waste materials, would be patentable inventions.

The discovery of a hitherto unknown natural law is not patentable. Similarly, a method of calculation or a new notation for writing music, a new method of curing diseases, natural substances suitable for food, cannot be classed as 'manufactures,' and are, therefore, not patentable.

What are commonly called "patent medicines" are medicines prepared by secret formulae and are not usually protected by the grant of patents. The proprietors of such medicines may in most cases possess trade mark rights in the names by which the medicines are known. "Patent or proprietary medicines" may be registered under the Drugs Act, 1940, which contains provisions for the prohibition of the import, manufacture and sale of mis-branded drugs. Applications for registration of patent or proprietary medicines should be made to the Central Drugs Laboratory, 110, Chittaranjan Avenue, Calcutta

Who may obtain Patent.—Any person in possession of an invention may obtain a patent, irrespective of his nationality. The term "person" includes a company, a firm or a partnership. An application for an ordinary patent (i.e., a patent which would be dated as of the official date of the application) may be made by any person either alone or jointly with others. An application for a patent of addition may be made only by the applicant for the original patent to which it is an addition as long as the application for the original patent is pending, or by the registered proprietor of the original patent if it has been granted. An application for a secret patent should be made by the inventor himself. An application for a patent which claims a 'Priority date' may be made by the person who has made the application on which the claim to priority is based, or by his legal representative, or assignee, either alone or jointly with others

Government Servants.—Subject to any special conditions of service or to any special orders applicable to the persons employed in any particular department, all government servants are at liberty to apply for a patent direct to the Patent Office. Government servants employed in the Defence Services, in the Indian Navy and in the Indian Air Force should not apply for patents except in the manner laid down in the Special Regulations applicable to them. Government servants employed on scientific or technical research should not apply or cause or permit any other person to apply for a patent for an invention made by them, save with the permission of the Government and in accordance with such conditions as the Government may impose. Railway servants are also subject to similar restrictions

PROCEDURE FOR OBTAINING PATENTS

An application for a patent should be drawn up on the prescribed form and forwarded to the Controller of Patents and Designs, the Patent Office, No. 214, Lower Circular Road, Calcutta 17. As a rule, the inventor, or his legal representative or his assignee should be a party to the application. The application should be accompanied by a specification in duplicate, prepared on the appropriate prescribed form, and also the prescribed fee.

Specifications.—The specification which should accompany an application may be either a Provisional Specification or a Complete Specification. A Provisional Specification should describe the nature of the invention. A Complete Specification must particularly describe and ascertain the nature of the invention and the manner of performing it in practice. A Provisional Specification cannot be filed in respect of an application claiming "Priority date." A Complete Specification should, therefore, accompany every such application.

If a Provisional Specification accompanies an application it will be necessary to file the Complete Specification within 9 months from the date of the application. This period of nine months may be extended by one month by paying an additional fee of Rs. 10.

Drawings.—If the invention is capable of illustration by means of drawings, suitable drawings should also be filed in duplicate

Fees.—The fees payable in respect of the filing of an application accompanied by a Provisional Specification is Rs. 10, and in respect of the filing of an application accompanied by a Complete Specification is Rs. 30. The fee payable in respect of filing a Complete Specification following a Provisional Specification is Rs. 20

The fees may be paid in cash at the Patent Office, or may be sent by Postal Order, Money Order or Cheque, made payable to the Controller at Calcutta

Examination.—An application properly filed in the Patent Office is accorded a serial number and date. Every application in respect of which a Complete Specification has been filed is, before it is accepted, examined with a view to ascertaining mainly whether the invention is *prima facie* a manner of new manufacture or improvement, whether the nature of the invention or the manner of performing it is particularly described, and also whether the statement of claim sufficiently defines the invention

Acceptance.—On the acceptance of an application (other than an application for a secret patent), the specification and drawings in respect of it become open to public inspection. The acceptance is advertised by the Patent Office in the *Gazette of India*. The specification and drawings are also printed and a limited number of printed specifications are made available for sale. Printed specifications are identified by their serial numbers and are sold by the Manager of Publications, Civil Lines, Delhi, at Re 1 a copy.

Opposition.—The grant of a patent on any application (other than an application for a secret patent) may be opposed by any person within 4 months of the date of advertisement of its acceptance

Some of the grounds on which the grant of a patent may be opposed are—that the invention sought to be patented has been publicly used or made publicly known in any part of India, that the nature of the invention or the manner of performing it is not sufficiently or fairly described in the specification, or that the applicant for patent is not the true inventor but the applicant obtained the invention from the opponent or from a person through whom he claims

Sealing the Patent.—In the absence of any opposition, or in the event of an opposition if the application passes the opposition successfully, the Patent Office would send the applicant a sealing fee demand notice, and on receipt from him of his request for sealing the patent accompanied by a sealing fee of Rs. 30, a patent is sealed on the application and the sealing is notified in the Register of Patents

TERM AND CONTINUANCE

The normal term of a patent other than a patent of addition is 16 years from its date; but in special circumstances the term may be extended for a further period not exceeding 10 years. A patent of addition remains in force as long as the main patent is in force.

The continuance of a patent other than a patent of addition and a secret patent is subject to the payment of certain renewal fees. No renewal fees are payable for the continuance of patents of addition and secret patents.

Effect of Grant.—The grant of a patent under the Act confers upon the patentee the exclusive privilege of making, selling and using the invention throughout India and of authorising others to do so.

After a patent is obtained, the patentee may sell the patent outright, or may grant licences for its exploitation, or may work the patent himself.

Infringement of Patents.—If, during the continuance of a patent, any person makes, sells, or uses the invention protected by the patent without obtaining a licence from the patentee, or counterfeits or imitates it, the patentee may institute a suit for infringement against such person. The defendant in an infringement suit may counter-claim the revocation of the patent.

A suit for infringement may be instituted in a District Court having jurisdiction to try the suit, but when a counter-claim has been made for the revocation of the patent, the suit along with the counter-claim is decided by a High Court.

Compulsory Licence.—As a safeguard against abuse of monopoly rights, provisions have been made in the Act, so as to enable any interested member of the public to apply to the Controller for a compulsory licence. The grounds on which a compulsory licence may be applied for, the relief available, procedure for disposal of the application, appeals, and procedure for disposal of appeals are respectively laid down in sections 22, 23, 23D, 23F and 23G of the Act.

Compulsory Licence for Food or Medicine, etc.—If the subject of a patented invention is in respect of food or medicine or is used in the production of food or medicine, or capable of being used as or as part of a surgical or curative device, and also if the subject is a process for producing food or medicine, it is open to the Controller to grant licences without following the circuitous procedure prescribed for granting compulsory licences generally.

Licences of Right.—As a supplementary provision, the Act has also conferred on the Central Government the right to apply to the Controller for endorsement of patents with the words "Licence of Right". The effect of such endorsement is given in section 23B of the Act. Procedure for disposal, appeals and procedure for disposal of appeals are the same as those for a compulsory licence.

DESIGNS

The main provisions of the Act relating to the registration of designs and registered designs are briefly as follows :—

A Design means only the features of shape, configuration, pattern or ornament, applied to an article by any industrial process or means. To be registrable under Part II of the Act, a design must be new or original, and must be applicable to an article. A model or principle of construction of an article, or anything which in substance is a mere mechanical device cannot be registered as a design. Trade Marks and trade names are not designs for the purpose of the Act. Literary or artistic creations such as books, pictures and music which fall under the Indian Copyright Act III of 1914, do not also come within the scope of the Indian Patents and Designs Act.

The novelty or the originality of a design is judged solely by the eye with reference to the external appearance of the finished article to which the design is applied. Neither the constructional details of the article which would not be visible in the finished article, nor the utility of the article, would be relevant for deciding the registrability of the design. The novelty and the originality of a design will be destroyed by the publication of the design.

For purposes of registration of designs, goods to which the designs are to be applied have been grouped into fourteen classes according to the substances composing the article. If an article is composed of more than one substance, it is classified according to the predominant substance.

WHO MAY APPLY AND HOW

Any person claiming to be the proprietor of a new or original design not previously published in India may apply for the registration of the design.

An application for the registration of a design should be drawn up on the prescribed form and should be forwarded to the Controller of Patents and Designs. The prescribed fee and four copies of the design should accompany the application. The fee payable for filing an application for registration of a design in any one of the classes Nos. 1-12 is Rs. 3, and for registration in class No. 13 or 14 is annas eight only.

The copies of the design which should accompany an application may be drawings, photographs, tracings or specimens. The representation of the design should be such as would enable a person looking at it to form a mental picture of the shape, configuration, pattern or ornament of the finished article to which the design is to be applied. Representations illustrating merely the method or principle of construction or the operation of the article, are not suitable.

It is possible to register a design in more than one class, if the article to which it is to be applied is composed of substances included in different classes.

Copyright on Registration.—The registration of a design confers upon the registered proprietor, for a limited period, the exclusive right to sell or to make for sale any article to which the registered design has been applied.

The period of copyright obtainable on registration of a design is initially five years, but this initial period can be extended to two further periods of five years each, on payment of a fee of Rs. 10 for each period of extension.

Infringement.—During the existence of copyright in a registered design, the unauthorised application of the design to the article in question for purpose of sale is prohibited. The penalty for each infringement is a sum not exceeding five hundred rupees recoverable as a contract debt; the proprietor may, in the alternative, elect to bring a suit for the recovery of damages and for an injunction against the repetition of the infringement, in which case the infringer is liable to pay such damages as may be awarded. By an amendment made in Section 18 of the Indian Sea Customs Act (No. VIII of 1878), it has been rendered possible to stop the importation into India of goods bearing a pirated design.

Cancellation.—The registration of a design may be cancelled on the ground that the design has been previously registered in India, or the design has been published in India prior to the date of registration, or the design is not new or original. An application for cancellation may be made by any interested person at any time to a High Court, or to the Controller within one year from the date of registration on the ground of prior registration or prior publication mentioned above.

Registers.—The Patent Office maintains a Register of Patents and a Register of Designs. Particulars of name, addresses, nationalities of the grantees of patents, the titles of inventions, dates of patents, renewal of patents and transactions affecting the proprietorship or validity of patents are notified in the Register of Patents. Similar particulars in respect of designs accepted for registration are notified in the Register of Designs. The Registers are open to inspection by the public on payment of a fee of Re. 1 in respect of each patent or design.

Certificates.—Certified copies, sealed with the seal of the Patent Office, of any entry in the Register of Patents and the Register of Designs may be obtained by any person on application to the Controller, accompanied by the prescribed fee.

A technical library is attached to the office. The library is open to the public, free of charge.

TRADE MARKS

THE Trade Marks Act, 1940 (Act V of 1940) was passed by the Indian Legislature in March 1940 to provide for the registration and more effective protection of trade marks. Sections 1 and 85 of the Act came into force at once, and under the latter section, intending applicants for registration were enabled to deposit their trade marks. About 158,000 trade marks were so deposited, which have since been classified and indexed.

Before the other provisions of the Act could be brought into force the Act was amended in 1941 (Act XXVII of 1941) to establish a separate Trade Marks Registry in Bombay under a Bombay Registrar with jurisdiction over textile marks only. The Amended Act came into force on the 1st June 1942, but had again to be amended by the Trade Marks Amendment Act, 1948. The Act was further amended in April 1948 (Act XII of 1948) with a view to avoiding conflict of registration in the Princely States which had either passed Trade Marks Act of their own or proposed to do so in the near future, and also to make trade marks registered in any territory effective in all territories in which trade marks legislation has been enacted.

On the Federal Financial Integration of States in April 1950, the administration of trade marks in the States was taken over by the Centre and centralised at the Trade Marks Registry Bombay. With the extension of the Central laws to Part B and Part C States, the Trade Marks Act, 1940, now extends to the whole of India except Jammu and Kashmir.

The main office of the Trade Marks Registry is at Bombay, and the Registrar is also kept at Bombay. Mr. K. S. Shivaksha, B.A. (Oxon.), Bar-at-Law, is at present the Registrar of Trade Marks.

There are at present two branches of the Trade Marks Registry. One is established in Calcutta, at which a copy of the Register and the Refused Textile Marks List are kept. The Branch Registry is in charge of the Deputy Registrar who is empowered under section 1 (2A) of the Act to discharge, under the superintendence and direction of the Registrar, any function which under the Act may be discharged by the Registrar. Any reference in the Act to the Registrar includes a reference to the Deputy Registrar when so discharging any such function. Where the Registrar directs the Deputy Registrar to deal with a particular matter, he has in disposing of such matter the same powers as the Registrar. At present, the Deputy Registrar of Trade Marks is Mr. B. C. Ojha, B.A., Bar-at-Law, B.Com. The other branch is at Bangalore under the charge of an Examiner of Trade Marks, Mr. V. R. Keshavaraj, B.A., who is Ex-officio Dy. Registrar of Trade Marks and has the same powers as the Deputy Registrar at Calcutta in respect of matters directed by the Registrar to be dealt with by him.

The following is a summary of the important provisions of the Trade Marks Act, 1940:

A "mark" includes a device, brand, heading, label, ticket, name, signature, word, letter or numeral or any combination thereof; a "trade mark" means a mark used or proposed to be used in relation to goods for the purpose of indicating or so as to indicate a connection in the course of trade between the goods and some person having the right to use the mark. A trade mark may be registered only in respect of particular goods or classes of goods. Any person who is desirous of registering a mark should apply to the Registrar in the prescribed manner. The application may be made either at the Registry at Bombay or at the branch office at Calcutta, or Bangalore.

Under section 6 (1), distinctiveness is the prime requisite of a trade mark for registration. A registrable trade mark must consist of or contain at least one of the following essential particulars: (1) name of a company or individual represented in a special or particular manner, (2) signature of the applicant or some predecessor in business, (3) one or more invented words, (4) word or words, having no direct reference to the character or quality of the goods and not being according to its ordinary meaning a geographical name or surname or the name of a sect, caste or tribe in India and (5) any other distinctive mark. A mark consisting of a name, signature, or any word other than such as fall within the above description is not registrable except upon evidence of distinctiveness. In determining whether a trade mark is distinctive the extent of the inherent distinctiveness of the mark, as well as its acquired distinctiveness by use or otherwise, will be considered. The commonly accepted name of any single chemical element or chemical compound is not registrable in respect of a chemical substance or preparation. Trade marks which are contrary to law or morality, or disentitled to protection in a Court of Law by being likely to deceive or cause confusion or which are likely to hurt religious susceptibilities, are not registrable. The Act contains also special provisions for the registration of certification trade marks, and for defensive registration.

When an application for registration has been accepted subject to such conditions, if any, as the Registrar might think fit to impose, the Registrar shall cause the application to be advertised accordingly. Under section 15 (2) any person may in the prescribed manner oppose an application so advertised within 4 months, and after hearing the parties, the Registrar will decide whether registration is to be permitted. The date of registration of a mark, if and when registered, shall be the date of filing of the application therefor at the Registry.

The registration of a mark will be in force for 7 years in the first instance, after which it may be renewed for a period of 15 years. In all legal proceedings relating to a registered trade mark, the fact of registration shall be *prima facie* evidence of validity of the registration and of all subsequent assignments and transmissions. Further, after seven years from the date of registration, the validity of the original registration cannot be questioned except on grounds of fraud or deception or unless the mark offends against section 8.

The registered proprietor of a trade mark is entitled to an action for infringement under the Act. This valuable right is extended to owners of "old" marks, who had applied for registration of their trade marks within five years from the commencement of the Act and registration of which has been refused by the Registrar. The rights of action to passing off are not affected by registration, and are expressly preserved under the Act. Registration gives to the registered proprietor the exclusive right to the use of the trade mark in relation to the goods for which the mark is registered. Where a mark is already registered by one person, the same or nearly similar mark cannot be registered by another person, except in case of honest concurrent use or of other special circumstances under section 10 (2).

The proprietor of a registered trade mark has power to assign the mark, and may assign it whether in connection with the goodwill of the business or not. A registered proprietor may also assign an unregistered trade mark without the goodwill of the business along with a regis-

tered trade mark under certain circumstances. Any assignment made without the goodwill by the business must be advertised as directed by the Registrar.

A person other than the proprietor of a mark may be registered as a registered user, on application being made both by the proprietor and such person to the Registrar in the prescribed manner, accompanied by particulars relating to their relationship, the control of the one over the other, and other facts relevant to the "permitted" use. The registered user may under certain circumstances file an action for infringement in his own name as if he were the proprietor, but cannot assign or transmit the mark.

Any person aggrieved by the presence of a mark or entry on the Register may apply in the prescribed manner to the Registrar or to a High Court for rectification of the Register. The registered proprietor may apply to the Registrar for correction or cancellation of any entry in the Register, relating to his trade mark. He may also apply for alteration of the registered mark in any manner not substantially affecting its identity.

With effect from the 1st January 1947, it has been an offence to describe a trade mark as registered when it is not so registered. This does not however apply to a trade mark, for the registration of which an application was filed at the Trade Marks Registry before 1st January 1947 and which has not been disposed of by the Registrar. The use of the word "Registered" however, is permissible if it is clearly indicated that the reference is to registration of the mark under the law of a country outside India or if the word is used solely in relation to goods to be exported to a foreign country where the mark is registered. Declaration of ownership of a trade mark under the Indian Registration Act of 1908 is not equivalent to registration under the Trade Marks Act, 1940, and the use of the word "registered" to signify registration of declaration of ownership would therefore be an offence with effect from the aforesaid date. The use of Royal Arms, Heraldic devices, and State emblems without due authority may be restrained by injunction from the Registrar or at the suit of any other person who is duly authorised to use such Arms, etc., but the rights to their use acquired before the coming into force of the Act, are not affected.

All appeals from the decisions of the Registrar lie to the High Court.

There are also special provisions for registration of textile trade marks and for the constitution of an Advisory Committee to advise the Registrar with respect to usages of the textile trade.

The criminal law relating to trade marks is contained in the Merchandise Marks Act (IV of 1889). Section 3 of this Act enacts Sections 478-489 of Chapter XVIII of the Indian Penal Code.

During the transitional period, i.e. from the 15th August 1947 to the 31st March 1948, the Trade Marks Registry, Bombay, had been registering trade marks for both India and Pakistan in accordance with the special provisions made in the Indian Independence (Miscellaneous Transitional Provisions) Order, 1947. These arrangements, however, terminated on the 31st March 1948.

COPYRIGHT

COPYRIGHT in every original literary, dramatic, musical and artistic work means the sole right to produce or reproduce the work or any substantial part thereof in any material form whatsoever; to perform or in case of a lecture to deliver the work or any substantial part thereof in public; if the work is unpublished, to publish the work or any substantial part thereof. Amongst other things it includes the sole right to produce, reproduce, perform or publish any translation of the work, in the case of a dramatic work, to convert it into a novel or other non-dramatic work and in the case of a novel or other non-dramatic work or of an artistic work, to convert it into a dramatic work by way of performance in public or otherwise, and in the case of a literary dramatic or musical work, to make any record, perforated roll, cinematograph film or other contrivance by means of which the work may be mechanically performed or delivered. Copyright also includes the right to authorise any such acts as aforesaid.

Publication in relation to any work means the issue of copies of the work to the public but does not include the performance in public of a dramatic or musical work, the delivery in public of a lecture, the exhibition in public of an artistic work or the construction of an architectural work of art, but the issue of photographs and engravings of works of sculpture and architectural works of art shall not be deemed to be publication of such works.

COPYRIGHT ACT

Copyright in India is governed by the Indian Copyright Act III of 1914 which made the Imperial Copyright Act of 1911 applicable to India with such modifications as appeared to be desirable for adapting its provisions to the circumstances of India. The portions of the Imperial Act made applicable to India form the First Schedule to the Indian Copyright Act III of 1914.

Copyright subsists throughout the parts of the Commonwealth to which the Imperial Act extends. Registration is no longer necessary but the publisher of every book has to supply a copy thereof as provided in the Copyright Act and in the Press and Registration of Books Act XXV of 1867. The author of a work is the first owner of the copyright therein and may assign the right either wholly or partially (copyright being a bundle of different rights) and either generally or subject to limitations, or may grant any interest in the right by license to another person but no such assignment or grant is valid unless it is in writing signed by the owner of the right in respect of which the

assignment or grant is made or by his duly authorised agent.

DURATION OF COPYRIGHT

Generally the term for which copyright subsists is the life of the author and a period of 50 years after his death but at any time after the expiration of 25 years or in the case of a work in which copyright subsisted at the time of the passing of the Imperial Act of 1911, 30 years from the death of the author of a published work, copyright in the work is not deemed to be infringed by the reproduction of the work for sale if the person reproducing the work proves that he has given the notice in writing prescribed by the Government of India of his intention to reproduce the work and that he has paid in the prescribed manner to or for the benefit of the owner of the copyright, royalties in respect of all copies of the work sold by him calculated at the rate of 10 per cent. on the price at which he publishes the work.

If, at any time after the death of the author of a literary, dramatic or musical work, which has been published or performed in public, a complaint is made to the Supreme Court of India that the owner of the copyright in the work has refused to re-publish or allow the re-publication of the work or has refused to allow the performance in public of the work and that by reason of such refusal the work is withheld from the public, the owner of the copyright may be ordered to grant a licence to reproduce the work or perform the work in public as the case may be on such terms and subject to such conditions as the Supreme Court may think fit.

DURATION OF SOLE OWNERSHIP

In the case of works first published in India copyright is subject to this limitation that the sole right to produce, reproduce, perform or publish a translation of the work subsists only for a period of 10 years from the date of the first publication of the work but if within the said period the author of any person to whom he has granted permission so to do publishes a translation of any such work in any language, copyright in such work as regards the sole right to produce, reproduce, perform or publish such translation in that language is not subject to the limitation above prescribed.

The term for which copyright subsists in photographs is 50 years from the making of the original negative from which the photograph was directly or indirectly derived and the person who was owner of such negative at the time when such negative was made is deemed to be the author of the work.

MUSICAL INSTRUMENTS

The provisions of the Act as to mechanical instruments for producing musical sounds were found unsuitable to Indian conditions. "The majority of Indian melodies," it was explained in Council, have not been published, i.e., written in staff notation, except through the medium of the phonograph. It is impossible in many cases to identify the original composer or author, and the melodies are subject to great variety of notation and tune. To meet these conditions S. 5 of the Indian Act follows the English Musical Copyright Act of 1902 by defining musical work as meaning any combination of melody and harmony, or either of them, which has been reduced to writing.

The Copyright Act does not apply to designs capable of being registered under the Patents and Designs Act II of 1911 except designs which though capable of being so registered are not used or intended to be used as models or patterns to be multiplied by any industrial process.

INFRINGEMENT OF COPYRIGHT

Copyright in a work is considered to be infringed by any person who without the consent of the owner of the copyright does anything, the sole right to do which is conferred by the Copyright Act on the owner of the copyright. Where copyright in any work has been infringed, the owner is entitled to all remedies by way of injunction, damages and accounts. Every suit or other civil proceeding regarding infringement of copyright must be instituted and tried in the High Court or the Court of the District Judge. An action in respect of infringement of copyright cannot be commenced after the expiration of 3 years next after the infringement. No Court inferior to that of a Presidency Magistrate or a Magistrate of the First Class can try any offence against the Copyright Act. It is not an infringement of copyright to publish a report in a newspaper of an address of a political nature delivered at a public meeting.

In the case of a work of joint authorship (which means a work produced by the collaboration of two or more authors in which the contribution of one author is not distinct from the contribution of the other author or authors), copyright subsists during the life of the author who first dies and for a term of fifty years after his death, or during the life of the author who dies last, whichever period is the longer.

Where a married woman and her husband are joint authors of a work the interest of such married woman therein shall be her separate property.

PROVING OF WILLS

IN India if a person has been appointed executor of the Will of a deceased person, it is always advisable to prove the Will as early as possible. If the Will is in an Indian language it has to be officially translated into English. A petition is then prepared praying for the grant of probate of the Will. All the property left by the deceased has to be disclosed in a schedule to be annexed to the petition. Values must be shown as at the date of the Petition and Probate Fees will be calculated on such value. The Values of immovable properties are usually assessed at 16½ years' purchase on the nett Municipal assessment, in the absence of a report from a competent architect. Unless otherwise prayed for, grant of probate is limited to the State in which it is granted. In all cases in which it is sought to obtain a grant of probate to have effect throughout India, such grant must be expressly asked for.

Probate Duty in Bombay.—Up to Rs 1,000—Nil.

For the next Rs 9,000 (i.e. upto Rs 10,000), 2 per cent, for the next Rs 40,000 (i.e. upto Rs 50,000) 3 per cent, for the next Rs 50,000 (i.e. upto Rs 1,00,000) 4 per cent, for the next Rs 1,00,000 (i.e. upto Rs 2,00,000) 4½ per cent, for the next Rs 50,000 (i.e. upto Rs 2,50,000) 5 per cent, for the next Rs 50,000 (i.e. upto Rs 3,00,000) 5½ per cent, for the next Rs 1,00,000 (i.e. upto Rs 4,00,000) 6 per cent, for the next Rs 1,00,000 (i.e. upto Rs 5,00,000) 6½ per cent, for amounts exceeding Rs 5,00,000 (on the portion over Rs 5,00,000) 7 per cent. In addition to this Probate Duty there is, at present, a surcharge of 25 per cent introduced by the Bombay Increase of Court-Fees Act No XV of 1943.

Exemptions from Probate Duty.—In determining the amount of the value of the estate for the purposes of probate duty the following items are allowed to be deducted

1. Debts left by the deceased including mortgage encumbrances
2. The amount of funeral expenses.
3. Property held by the deceased in trust and not beneficially or with general power to confer a beneficial interest

In addition, there is general exemption for service personnel killed in action or dying on service in certain circumstances.

No probate duty is payable in India on the value of the estate left by the deceased outside India.

Procedure.—The particulars of the property of the deceased and the particulars of all items allowed by law to be deducted have to be shown in separate schedules. It is the practice of the High Court to send a copy of these schedules to the Revenue Authorities and if the properties, particularly immovable properties, have not been properly valued, the High Court issues a notice to the petitioner requiring him to amend the schedule of property accordingly. In certain cases the Court requires citations to be published and served on such persons as the Court thinks are interested in the question of the grant of probate. If no objection is lodged by any person so interested within the time mentioned in the citation to the effect that nothing should be done in the matter of the petition for probate without

notice to the person 'objecting' or to use technical language the 'caveator', and if the Will is shown to have been properly executed, probate is ordered to be granted. If an objection or caveat is filed, the petition for probate is converted into a suit in which the petitioner is plaintiff and the caveator is the defendant.

As probate, however, cannot be granted merely because the parties consent, the Will has to be proved. It is against public policy to enter into an agreement or compromise as to the genuineness or execution of the Will if the effect of such an agreement or compromise is to exclude evidence in proof of the Will.

EFFECT OF PROBATE

Probate has effect over all the property and estate moveable or immovable of the deceased throughout the State in which the same is granted and is conclusive as to the representative title of the person to whom the probate is granted against all debtors of the deceased and all persons holding property which belongs to the deceased and will afford full indemnity to all debtors paying their debts and all persons delivering up such property to the person to whom such probate is granted. Probate can only be granted to an executor appointed by the Will and the appointment may be express or by necessary implication. Probate cannot be granted to any person who is a minor or is of unsound mind nor to any association of individuals, unless it is a company, which satisfies the conditions prescribed by rules made by the President in Council in that behalf. Where several executors are appointed probate may be granted to them simultaneously or at different times. If a codicil is discovered after the grant of probate a separate probate of that codicil may be granted to the executor if it in no way repeals the appointment of executors made by the Will. If different executors are appointed by the codicil, probate of the Will will be revoked and a new probate granted of the Will and codicil together. When probate has been granted to several executors and one of them dies, the entire representation of the testator accrues to the surviving executor or executors. Probate of a Will when granted establishes the Will from the death of the testator and renders valid all intermediate acts of the executor as such. When a person appointed an executor has not renounced the executorship, letters of administration will not be granted to any other person until a citation has been issued calling upon the executor to accept or renounce the executorship, but when one or more of several executors have proved the Will, the Court may, on the death of the survivor of those who have proved, grant letters of administration without citing those who have not proved. The renunciation may be made orally in the presence of the Judge or by a writing signed by the person renouncing and when made will preclude him from ever thereafter applying for probate of the Will appointing him executor. If an executor renounces or fails to accept an executorship within the time limited for the acceptance or refusal thereof, the Will may be proved and letters of administration with a copy of the Will annexed may be granted to the person who would be entitled to administration in case of intestacy. No person, who renounces probate of a Will, can, without the leave of the Judge take out representation to the deceased in another character.

Probate is necessary in case of Wills of Europeans, East Indians, Armenians, Jews, Parsis and Indian Christians and also in case of Wills of Hindus, Buddhists, Sikhs or Jains, made on or after 1st September 1870, within the territories which at the said date were subject to the undivided Provincial Government of Bengal, or within the local limits of the ordinary original civil jurisdiction of the High Courts of Judicature at Madras and Bombay, or to all such Wills made outside the above specified territories or limits so far as they relate to immovable property situate within those territories or limits.

Probate is not necessary, in case of Wills of Hindus, Buddhists, Sikhs or Jains not falling in classes specified above or of Wills of Muslim and Khojas.

Articles of Association of most of the joint stock companies contain an article to the effect that the Executor or Administrator of a deceased member who has obtained Probate or Letters of Administration as the case may be or the holder of the Succession Certificate shall be the only person recognised by the Company as having any title to his share. In such cases, the Company validly insists on the production of such legal representation before transfer of the shares of a deceased member whether he is a European, Hindu, Muslim, Parsi or otherwise.

Residuary Legatee.—When no executor has been appointed by a deceased in his Will or when the deceased has appointed an executor who is legally incapable or refuses to act or who has died before the testator or before he has proved the Will or when an executor dies after having proved the Will but before he has administered all the estate of the deceased, a universal or a residuary legatee may be admitted to prove the Will and Letters of Administration with the Will annexed may be granted to him of the whole estate or so much of it as may be unadministered.

After any grant of Probate or Letters of Administration with Will annexed, no other than the person to whom the same may have been granted has the power to sue or prosecute any suit or otherwise act as representative of the deceased until such Probate or Letters of Administration has or have been recalled or revoked.

Small Estates.—In cases where the value of the estate is Rs 2,000 or less, an Administrator General's Certificate can be obtained. The procedure for obtaining this Certificate is simpler and less expensive. A fee of 3 per cent on the value of the estate is payable. The value of the estate has, however, to be taken as at the date of the death of the deceased. These Certificates are equivalent to Letters of Administration.

PROBATE OF FOREIGN WILLS

When a Will has been proved and deposited in a court of competent jurisdiction situated beyond the limits of the State, whether within or beyond the limits of India, and a properly authenticated copy of the Will is produced, letters of administration may be granted with a copy of such Will annexed, upon a proper application for the purpose being made to the appropriate court within whose jurisdiction such property is situate. It is not the function of the court in India to require evidence of the validity of the Will, if it is recognised as valid by the court of domicile of the testator.

WEIGHTS AND MEASURES

THE maund is the denomination of weight common all over India, but we may find that in a given city there are nearly as many maunds as there are articles to weigh. The maund varies even from district to district. Thus in Uttar Pradesh a maund of sugar weighs 48½ seers in Kanpur, 40 in Muthura, 72½ in Gorakhpur, 40 in Agra, 50 in Moradabad, 48½ in Saharanpur, 50 in Bareilly, 46 in Fyzabad, 48½ in Shahjahanpur, 51 in Goshangunge.

Thus the maund varies throughout India from the Bengal or railway maund of 82·2/7 lb. to the Factory maund of 74 lb. 10 oz. 11 drs., and the Madras maund, which some authorities estimate at 25 lb. and others at 24 lb.

As there are variations in the weights and measures from one place to another there is much confusion and sometimes heavy individual loss. And Municipal and commercial bodies are continually returning to the problem with a view to devising a practical scheme of reform. The Union and State Governments have made various attempts during the past to solve the problem of common units of weights and measures; commercial and trade interests have also agitated about the question for a long time.

The Indian Railways and Government departments adopted a standard tola (180 grains), seer (80 tolas) and maund (40 seers) and it was hoped that this would act as a successful "lead" which would gradually be followed by the whole trade throughout the country, but the expectation has not been realised.

In the Government of India Act of 1935, though 'standards of weights' is a central subject, 'weights and measures' is in the Provincial List. Accordingly the Government of India had to request the Provincial Governments to undertake legislations for enforcement, following the lead given in the Act IX of 1939.

In the present constitution this ambiguity has been set right by including 'establishment of standards of weights and measures' in the Union List of subjects and 'weights and measures except establishment of Standards' in the States List.

STANDARDS OF WEIGHTS ACT, 1939

By 1939 opinion in favour of legislation by the Government of India for the standardisation of weights crystallised to the extent that the Indian Legislature passed the Standards of Weight Act (Act No. IX of 1939) applicable to the whole of the area known as British India. The Act received the assent of the Governor-General of India and was published in Part IV of the *Gazette of India* of the 1st April, 1939.

The Act laid down the following standard weights:—

- (a) the standard tola, being a weight of 180 standard grains;
- (b) the standard seer, being a weight of 80 standard tolas or 14,400 standard grains;
- (c) the standard maund, being a weight of 40 standard seers;
- (d) the standard pound, being a weight of 7,000 standard grains;
- (e) the standard ounce, being one-sixteenth part of the weight of a standard pound;
- (f) the standard hundred-weight, being a weight of 112 standard pounds;
- (g) the standard ton, being a weight of 2,240 standard pounds.

Under sub-Section (2) of Section 4 of the Act, the Union Government undertook to supply to each State Government a complete set of duly authenticated standard weights.

The position of the provincial legislation, as it stands now, is as follows:

ASSAM	No Act on weights and measures.
BIHAR	Weights Act, 1947 (Act XVII of 1947).
BOMBAY	Weights and Measures Act, 1932 (Act XV of 1932).
M. P.	Weights and Measures Act, 1928 (Act II of 1928).
MADRAS	Weights and Measures Act, 1948 (Act XXII of 1948).
ORISSA	Weights and Measures Act, 1943 (Act VII of 1943).
PUNJAB	Weights and Measures Act, 1941 (Act XII of 1941).
U. P.	Weights and Measures Act, 1947 (Act XXIII of 1947).
WEST BENGAL ..	No Act on weights and measures.

The various provincial legislations generally conform to the Central Legislation with a few exceptions. The unit for the measure of length is usually the yard, defined as the length of the standard yard maintained by the Mint Master at Bombay. For longer measures, the furlong (220 yards) and the mile (1,760 yards) are provided; for measures of area and volume, square and cube of the standards of length; acre (4,840 sq. yd.) being additionally allowed for area. Local units for dry and wet measures of capacity, which vary from province to province, are also allowed in the provincial Acts, but they are usually made integral multiples or submultiples of the basic units.

METRIC SYSTEM

By the time the Government of India passed the Act of 1939, unofficial opinion in the country grew more inclined to the adoption of the metric system on an all-India basis. In 1940 the Manufacturing Sub-committee of the National Planning Committee, in their interim report, made the following recommendation:

"Standardisation of weights and measures on All-India basis should be carried out at an early date so that a uniform system of weights and measures is applicable to the whole country. If other conditions permit, the metric system should be adopted for this purpose."

The Indian Science Congress Association at its Bangalore session in 1946 passed a resolution strongly advocating the decimalization of currency and weights and measures, simultaneously if possible. The matter was further considered at a meeting of the Executive Committee of the Indian Science Congress Association held in March, 1946 and presided over by Mr. Jawaharlal Nehru, and the following resolution was passed unanimously:

"Resolved that the Science Congress notes with satisfaction that a Bill for the decimalization of Indian Currency has been introduced in the Legislative Assembly. The Science Congress is, however, of opinion that decimalization of currency alone is not enough, and considers the decimalization of weights and measures on the basis of the metric system to be equally urgent."

By a resolution of February 1947, the Government of India requested the provincial Governments to take up the question of adopting the metric system of weights and measures.

Meanwhile in 1946 the Government of India by a resolution dated 8th September, had decided to establish the Indian Standards Institution, with the stated object, *inter alia*,

"to consider and recommend to Government of India, national standards for the measurement of length, weight, volume and energy."

The Indian Standards Institution, inaugurated in February 1947, immediately undertook to make a study of the weights and measures, and a special Committee was soon appointed.

This special committee found a solution in the adoption of the metric system.

Based on a country-wide consensus of opinion of scientists, technologists, industrialists and Government departments, the Committee's recommendation for the adoption of the metric system envisages a change-over in three stages extended over a period of about 15 years.

A preparatory stage of three to five years for intensive dissemination of information on the new system, would be followed by a change-over stage of about the same period and a final stage for over-all transition.

After that period, the only system accorded legal recognition would be the metric system.

For the implementation of the Committee's recommendation, the report stresses the need for early Central legislation for the recognition of the metric system and the creation of an agency to co-ordinate all related measures for the change-over.

The introduction of decimalised currency is also recommended in the early stage of the change-over.

In regard to the nomenclature of the new system, the report records the view that the international nomenclature should be used, unless Parliament decides to have an Indianised system. In the latter contingency, however, it has been advised to avoid the use of the existing names, such as seer and guz for kilogramme and metre.

(Copies of this Report could be had from the Secretary (Administration), Indian Standards Institution, 19, University Road, Civil Lines, Delhi.)

PRESENT SYSTEM

The various systems of weights used in India combine uniformity of scales with immense variations in the weights of units. The scales used generally throughout northern India, less commonly in Madras and standardised in Bombay under the Bombay Weights and Measures Act, 1932, may be thus expressed as one maund = 40 seers, one seer = 80 tolas.

The actual weight of a seer varies greatly from district to district and even from village to village except in Bombay State. In the standard system the tola is of 180 grains, and the seer thus weighs 2·067 lb. and the maund 82·28 lb. This standard is also used in official reports.

For calculating retail prices, the universal custom is to express them in terms of seers to the rupee. Thus, when prices change what varies is not the amount of money to be paid for the same quantity, but the quantity to be obtained for the same amount of money.

In other words, prices in India are quantity prices, not money prices. When the figure of quantity goes up, this of course means that the price has gone down.

The name of the unit for square measurement in India generally is the *bigha*, which varies greatly in different parts of the country. So the areas are expressed either in square miles or in acres.

PRESENT POSITION

The position at present is as follows :

One tola = 180 grains
 „ seer = 80 tolas
 „ maund = 40 seers

Another system of weights is as follows :

16 drams = one ounce (oz.)
 16 ounces = „ pound (lb.)
 14 pounds = „ stone (st.)
 28 pounds = „ quarter (qr.)
 4 quarters = „ hundred weight (cwt.)
 20 cwt. = „ ton

The ones shown above are used in Government and other big transactions.

Elsewhere the weights vary from place to place. The maund is of two kinds, the bazaar maund and the factory maund. The relation between the two is : 100 bazaar maunds = 110 factory maunds.

The tola is the unit and all other weights are derived from it.

4 sikl or quarter = one tola
 5 tolas = „ chhatak
 2 chhataks = „ atapaw
 2 atapaws = „ paw
 2 paws = „ adaseer
 2 adaseers = „ seer
 5 seers = „ panseri
 40 seers = „ maund

The weights for gold and silver are as follows :

4 grains = one pennyweight (dwt.)
 20 dwt. = „ ounce (oz.)

The following are the weights used by the jeweller :

4 dhans = one rati
 4 ratls = „ anna
 8 ratls = „ masha
 12 mashas = „ tola

The following are the apothecaries' weights :

20 grains = one scruple (scr.)
 3 scruples = „ drachm (dr.)
 8 drachms = „ ounce (oz.)

The following are the lineal measures :

12 inches = one foot (ft.)
 3 feet = „ yard (yd.)
 2 yards = „ fathom (f.)
 5½ yards = „ pole
 220 yards = „ furlong (fur.)
 8 furlongs = „ mile

The following are the heaped measures :

8 gallons = one bushel
 3 bushels = „ sack
 12 sacks = „ chaldron

The following are the imperial dry measures :

2 glasses = one noggin
 4 noggins = „ pint

2 pints = one quart
 4 quarts = „ gallon
 2 gallons = „ peck
 4 pecks = „ bushel
 8 bushels = „ quarter

The following are the house-hold table measures :

One desert spoonful = 2 teaspoonfuls
 „ table spoonful = 2 desert spoonfuls
 „ wine glassful = 2 teaspoonfuls

The following are the Bombay bazaar measures :

36 tanks = one tipari
 2 tiparis = „ seer
 4 seers = „ payll
 16 paylls = „ phara
 8 pharas = „ khandi
 25 pharas = „ muda

The following are the Bombay cloth measures :

2 angulis = one tasu
 2½ tasus = „ gaz

The following are the Bombay measures of land surface :

30½ sq. cubits = one kathl
 30 kathls = „ pand
 20 pands = „ bigha
 6 bighas = „ rukeh
 20 rukehs = „ chahur

THE CURRENCY SYSTEM

The two tables give the details of the course of money supply with the public and the factors contributing to it.

	(Rs. in crores)		
	Year ended March 31		
	1950-51	1951-52	1952-53
Currency with the Public (a).			
1. Note circulation (b)	1,204.24	1,097.94	1,089.95
2. Circulation of rupee coin (c)	138.15	125.45	119.71
3. Notes and coin with Treasuries (d)	4.42	3.70	2.02
4. Cash on hand of scheduled, non-scheduled (e) and co-operative (f) banks	39.13	37.45	37.51
5. Currency with the public (excluding small coin) (1+2+3+4)	1,209.14	1,142.24	1,169.23
6. Variation in currency with the public (g)	83.60	110.80	11.33
Deposit Money.			
7. Demand liabilities (excluding inter-bank demand deposit (i) of scheduled, non-scheduled (c) and co-operative (f) banks.	614.56	560.11	549.79
8. Deposits with the Reserve Bank (h) excluding those of Central Government and banks	52.41	44.66	36.36
9. Deposit money with the public (7+8)	666.97	604.77	586.15
10. Variation in Deposit money	+ 17.25	— 61.98	— 25.62
11. MONEY SUPPLY WITH THE PUBLIC (excluding small coin) (5+9)	1,906.11	1,787.01	1,755.38
12. Variation in money supply with the public (g) (6+10)	+ 100.85	— 172.78	— 36.95

The average for 1953 is as follows (Rs. in crores):

Notes in circulation 1,122; Bank deposits 853; Cheque clearances from Jan. to Nov. are 552, 523, 615, 586, 543, 535, 572, 485, 526, 449, 477.

(a) Money supply with the public—figures does not take account of the inward or outward movement of currency and excludes small coin. (b) Figures from March 1950 are net of the return of about Rs. 43 crores from Pakistan awaiting adjustment. (c) Figures from March 1950 relate to the Indian Union. (d) Figures on the last day of the year. (e) From April 1952 figures of non-scheduled banks incorporated in and confining to Part B States included. (f) Cover reporting co-operative banks only. (g) Figures from October 1951 are net of adjustments of India notes returned from Aden. (h) Excluding balance held on I.M.F. Account No. 1. (i) Including inter-bank demand deposits of scheduled and co-operative banks upto March 1948 and those of non-scheduled banks upto March 1951.

SEASONAL VARIATION IN MONEY SUPPLY WITH THE PUBLIC

(Rs. in crores)

	Currency with the public	Deposit money with the public	Money supply with the public
October 20, 1949 to May 12, 1950	+ 130.03	— 29.98	+ 100.05
May 13, 1950 to September 29, 1950	— 102.32	+ 16.78	— 85.54
September 30, 1950 to May 11, 1951	+ 207.09	+ 28.68	+ 235.77
May 12, 1951 to October 20, 1951	— 181.03	— 30.76	— 211.79
October 27, 1951 to April 11, 1952	+ 45.39	— 36.99	+ 8.40
April 12, 1952 to October 24, 1952	— 97.95	— 13.41	— 111.36
October 25, 1952 to May 8, 1953 (Provisional)	+ 108.89	— 21.72	+ 87.17

CURRENCY CIRCULATION

During 1952-53 the total circulation of all forms of legal tender currency (notes, rupee coin and small coin) recorded a moderate fall of Rs. 18 crores, after the sharp fall of Rs. 116 crores in 1951-52. The total net contraction in currency circulation in the Indian Union during 1948-49 to 1952-53 amounted to Rs. 66 crores.

The following table shows the circulation of currency:—

(Rs. in lakhs)

	At the end of		
	1950-51*	1951-52	1952-53
Circulation—			
Notes	1,204.24	1,097.94	1,089.95
Rupee Coin	138.45	125.45	119.71
Total	1,342.69	1,223.39	1,209.66
Increase (+) or Decrease (—) in circulation—			
Notes	+ 83.89	— 100.21	— 7.99
Rupee Coin	+ 5.84	— 18.00	— 5.74
Small Coin	— 8.20	— 3.05	— 4.09
Total	+ 86.53	— 116.26	— 17.82

(Contd. on next page first two columns.)

* Figures of notes in circulation have been revised from March 1950 are net of the return of about Rs. 43 crores from circulation in Pakistan awaiting adjustment.

U.K.-INDIA AGREEMENT

In 1951 an understanding was reached between the two Governments over the broad outlines of a new long-term arrangement. This was confirmed in February 1952. Under the agreement, the U.K. Government have agreed to release during the six years ending June 1957 a sum of £35 million a year from these balances. They have also agreed to transfer £310 million from Account No. 2 to Account No. 1, to be held by the Reserve Bank of India as part of the Currency Reserve, to be drawn upon only in an emergency. Provision has been made for the carry over of undrawn amounts from one year to another and for consultations between the two Governments in case it is found necessary in any year to make a call on a subsequent year's allocation in excess of £5 million. At the end of the period it is expected that the balances would have reached the amount normally required as a currency reserve; but if any excess is left, it will be transferred to No. 1 Account.

The above agreement was modified in July 1953. The more important provisions in the revised agreement are given below:—

(1) Any sterling received by the Reserve Bank in respect of current transactions and transferred from the No. 2 Account shall be credited to the No. 1 Account.

(2) The No. 2 Account shall be credited with (a) the proceeds at maturity or on realisation of any investment purchased in accordance with established custom with funds standing to the credit of the No. 2 Account, (b) transfers from the No. 1 Account in respect of matters outstanding under the Defence expenditure plan and any other accounts connected with the war and such other items as may be agreed between the two Governments. The No. 2 Account shall be debited with appropriate transfers which have not already taken place.

(3) The U. K. Government shall not restrict the availability of sterling standing to the credit of the No. 1 Account for payments for current transactions in any currency area or for payments to residents of the scheduled territories. On the other hand, the Government of India shall not restrict the acceptance by residents in India in settlement of payments for current transactions, of sterling at the disposal of other scheduled territories and, in accordance with current practice, of sterling at the disposal of residents outside the scheduled territories and the supply of Indian rupees arising from permitted current transactions and accruing to residents of the scheduled territories for any payments inside India or for the purchase of sterling.

(4) The Government of India agrees not to draw upon £310 million transferred from the No. 2 Account and held by the Reserve Bank as a currency reserve without previous consultation with the Government of the United Kingdom.

(5) Beginning on July 1, 1951 the balance to the credit of No. 2 Account shall be transferred to the No. 1 Account in instalments not exceeding £35 million every year. Transfers will be for maintaining a minimum balance on the No. 1 Account of £30 million in addition to the amount held as a currency reserve; but any part not transferred during a particular year shall be added to the sums available for transfer in the later periods. Without further consultation, the Government of India may anticipate further transfers to the extent of £5 million; but if anticipation to a greater extent is necessary, the two Governments shall consult each other.

(6) If the transfers from No. 2 Account to No. 1 Account appear to be taking place at a significantly higher rate, either Government can ask for fresh discussions between the two Governments.

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Circulation of Notes.—During 1952-53 the decline in note circulation amounted to Rs. 8 crores as against the record contraction of Rs. 100 crores in 1951-52. The 1952-53 busy season from end October 1952 to May 8, 1953 witnessed a substantial expansion of Rs. 107 crores. The highest monthly expansion of Rs. 18 crores was witnessed in December 1952 in keeping with the usual seasonal pattern. The changes in the denominational pattern are indicated in the following statement.

CIRCULATION OF INDIA NOTES BY DENOMINATIONS

(Rupees in lakhs)

	Year ended December		
	1950	1951	1952
Rs. 2	25.15	25.43	23.43
% of Total .. .	2.2	2.2	2.1
Rs. 5	166.03	157.41	141.20
% of Total .. .	14.1	13.6	12.7
Rs. 10	483.87	477.42	461.64
% of Total .. .	41.1	41.1	41.4
Rs. 100	500.98	500.90	487.49
% of Total .. .	42.6	43.1	43.8
Notes in Circulation .. .	1,176.03	1,161.16	1,113.76

Rupee Coin.—Since November 1, 1943, when the standard silver rupee coin of eleven-twelfths fineness ceased to be legal tender, the 'rupee coin' in circulation in India has comprised (1) the Government of India one rupee notes issued from July 1940, (2) the quaternary silver rupees (of one-half fineness) issued between December 1940 and June 1946, and (3) the nickel rupees issued from June 1947.

During 1952-53 rupee coin in circulation

declined by Rs. 5.7 crores to Rs. 120 crores. On April 10, 1952, the Reserve Bank received from the Government of India one rupee notes and coin of the value of Rs. 5 crores, in terms of Section 36 (2) of the Reserve Bank of India Act, against payment of legal tender value.

Small Coin.—Since 1949-50 small coin has been continuously returning from circulation. The following are the details of the return.

MOVEMENTS IN CIRCULATION OF SMALL COIN DENOMINATION-WISE
ABSORPTION (+) OR RETURN (—)

(Rupees in 000)

	1950-51	1951-52	1952-53
Half rupees * .. .	— 1,00.54	— 1,06.57	— 1,52.06
Four anna pieces ** .. .	— 97.53	— 84.04	— 1,02.46
Two anna pieces † .. .	— 60.09	— 61.78	— 75.89
One anna pieces .. .	— 65.54	— 82.55	— 75.47
Half anna pieces †† .. .	— 3.78	— 1.73	— 9.54
Single piec ‡ .. .	+ 7.73	+ 11.28	+ 6.04
Half piec .. .	+ 7	+ 6	+ 2
Pie pieces .. .	+ 3	+ 1	—
Total	— 3,19.70	— 3,06.32	— 4,09.40

* Since the inauguration of the Reserve Bank in 1935, silver half rupees have been included in statistics relating to small coin; including pure nickel half rupees introduced in May 1946. ** Including pure nickel four anna pieces introduced in May 1946. † Including nickel two anna pieces introduced in 1917-18. †† Nickel half anna pieces introduced in January 1942. ‡ Including single piec pieces with a circular hole issued from February 1943.

STERLING TRANSACTIONS OF THE RESERVE BANKS

The sterling exchange market remained steady throughout the year. The particulars of sterling transactions are given below:—

Year	Purchases		Sales		Net Purchases (+) Sales (—)	
	£ Thousands	Rs. Lakhs	£ Thousands	Rs. Lakhs	£ Thousands	Rs. Lakhs
1950-51	218,049	2,90.73	88,822	1,18.56	+ 129,227	+ 1,72.17
1951-52	263,387	3,51.18	224,386	2,99.45	+ 39,001	+ 51.78
1952-53	141,300	1,88.41	67,318	89.84	+ 73,982	+ 98.57

(Contd. on next page first two columns.)

Note.—Figures exclude Government transactions but include deliveries against forward contracts.

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(7) Any balance remaining on the No. 2 Account on June 30, 1951 shall be transferred to the No. 1 Account.

(8) The net capital movement from India to other scheduled territories will be determined at agreed intervals and the amount will be transferred from No. 2 Account to No. 1 Account if it is an outgo from India or vice versa if it is an inflow.

(9) The two Governments shall not restrict transfers of capital from India to the U. K. representing remittances of savings of persons of the U. K. origin leaving India permanently for the U. K. and the voluntary repatriation of investments by residents in the U. K. for purposes of the U. K. exchange control.

Hyderabad.—With the accession of the Hyderabad State to the Indian Union, India notes and coin were made legal tender in the Hyderabad State as from January 26, 1950 and arrangements were made for the conversion of the Hall Sica into India notes and coin at the rate of Hyderabad Rs. 116-10-8 for Indian Rs. 100. The Indian Coinage Act, 1906, was applied to the State with effect from April 1, 1951; but the legal tender character of the Hyderabad coins was extended until March 31, 1953. In March 1953, the Union Parliament passed the Hyderabad Coinage and Paper Currency Act, 1953, which allowed Hyderabad State notes to continue as legal tender for a period not exceeding two years.

EXCHANGE CONTROL

The pattern of exchange control in 1952-53 remained practically the same as in the previous year. In order to stimulate investment of foreign capital in desirable channels, further relaxations were made in the exchange restrictions on the repatriation of capital invested from non-sterling area countries after January 1, 1950.

The trends in the balance of payments position for 1951 and 1952 are summarised in the following table:—

(Crores of Rupees.)

	1951	1952
Imports :		
c.i.f. Values ..	862.4	746.7*
Exports :		
f.o.b. Values ..	749.5	612.8
Trade Balance ..	— 112.9	— 133.9*
Invisibles (Net) ..	+ 55.5	+ 96.6*
CURRENT		
ACCOUNT (NET). —	57.4	37.3
Errors & Omissions. —	31.1	0.1
CAPITAL		
ACCOUNT (NET). —	88.5	37.4
NET TERMS OF		
TRADE ..	123	94

* These figures include Rs. 4.4 crores of the U. S. foreign aid.

The table on next page shows the extent of compensatory official financing required to cover not only the current account deficit but also movements of private capital, special official financing, etc.

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FINANCING OF INTERNATIONAL TRANSACTIONS

	(Rupees in crores)	
	1951	1952
Goods and Services :		
Exports, f.o.b.	749.5	612.8
Imports, c.i.f.	862.4	746.7
Trade Balance	-112.9	-133.9
Non-monetary gold .. .. .	.. .. .	.. .. .
Investment Income	+ 24.1	+ 10.4
Government, not included elsewhere	+ 5.0	+ 10.2
Other Services	+ 59.7	+ 67.4
Total	- 72.3	- 66.7
Private Donations and Capital Movements :		
Donations	+ 13.4	+ 16.8
Long-term Capital	+ 3.4	+ 8.9
Short-term Capital	+ 2.7	+ 0.8
Total	+ 12.7	+ 8.7
Special Official Financing :		
Amortization and other Contractual Repayments	- 2.8	- 3.7
IBRD Loans	+ 4.9	+ 2.7
Aid from Australia, New Zealand and Canada under Colombo Plan	+ 1.4	+ 7.6
Aid under Indo-U.S.T.C.A. and from the Ford Foundation .. .. .	.. .. .	+ 4.0
Total	+ 3.5	+ 11.5
Extra-ordinary Transactions :		
Sterling paid in settlement of demonetised India notes repatriated from Aden	+ 2.9	+ 3.2
Reduction in Liabilities to Aden	- 2.9	- 3.2
Total .. .. .	.. .. .	.. .. .
Errors and Omissions	- 31.1	- 0.1
Surplus (+) or Deficit (-)	- 87.3	- 46.4
Compensatory Official Financing :		
Barter Deals	+ 0.7	.. .. .
U. S. Food Loan	+ 38.0	+ 52.5
Transfers of Indian Currency	- 19.3	- 29.1
Foreign official Holdings of Rupee Securities	- 1.5	.. .. .
Short-term Liabilities	+ 23.1	+ 37.4
Foreign Exchange Assets	+ 46.3	+ 60.4
Total	+ 87.3	+ 46.4

REGION-WISE BALANCE OF PAYMENTS—CURRENT ACCOUNT

	(Rupees in crores)	
	1951	1952
Sterling Area (Excluding Pakistan) :		
Imports, c.i.f.	301.1	276.4
Exports, f.o.b.	368.3	270.2
Trade Balance	+ 67.2	- 6.2
Official Donations (Net)	+ 1.4	+ 2.8
Other Invisibles (Net)	+ 60.1	+ 66.2
Current Account (Net)	+ 128.7	+ 62.8
Pakistan :		
Imports, c.i.f.	79.3	27.2
Exports, f.o.b.	26.2	50.6
Trade Balance	- 53.1	+ 23.4
Official Donations (Net) .. .. .	.. .. .	.. .. .
Other Invisibles (Net)	+ 6.5	+ 9.1
Current Account (Net)	- 46.6	+ 32.5
Dollar Area :		
Imports, c.i.f.	247.5	280.2
Exports, f.o.b.	183.2	148.2
Trade Balance	- 64.3	- 132.0
Official Donations (Net) .. .. .	.. .. .	+ 9.7
Other Invisibles (Net)	+ 2.5	+ 7.6
Current Account (Net)	- 61.8	- 114.7
OECC Countries :		
Imports, c.i.f.	108.9	86.8
Exports, f.o.b.	85.0	63.1
Trade Balance	- 23.9	- 23.7
Official Donations (Net) .. .. .	.. .. .	.. .. .
Other Invisibles (Net)	- 1.9	- 1.8
Current Account (Net)	- 25.8	- 25.5
Rest of Non-Sterling Area :		
Imports, c.i.f.	125.7	76.2
Exports, f.o.b.	86.9	80.7
Trade Balance	- 38.8	+ 4.5
Official Donations (Net)
Other Invisibles (Net)	- 13.0	+ 3.1
Current Account (Net)	- 51.8	+ 7.6

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INDIA'S FOREIGN LIABILITIES & ASSETS*

The Reserve Bank of India framed, after a comprehensive inquiry, a kind of international balance sheet of the foreign liabilities and assets of India as on June 30, 1948. The main features are given below :—

India appeared to be a creditor by over Rs. 1,300 crores; but the net adjusted surplus is Rs. 664 crores taking into account the inter-governmental debt owed by Pakistan (Rs. 300 crores) and Burma (Rs. 53 crores). In assessing the significance of this figure, the need for maintaining a certain minimum amount of sterling assets as currency reserve must be taken into account. There are further considerations that the income account indicates a debtor position and that there has been a substantial reduction in the foreign assets since the date of the census.

India's foreign liabilities in the official sector amounted to Rs. 648 crores of which Rs. 426 crores were long-term, i.e., maturing beyond June 1949 and Rs. 222 crores short-term. The liabilities of the non-official sector were composed of Rs. 144 crores by way of 'portfolio' obligations and Rs. 254 crores as 'direct' obligations. The total number of companies, shares of which were owned abroad and for which information was made available was about 2,300. There were 210 companies with a total invested capital of Rs. 44 crores, the value of the shares of the controlling interests amounting to about Rs. 28 crores and forming 68 per cent. of the total. Out of this, the United Kingdom accounted for Rs. 21.87 crores. The next group consisted of 150 companies with total capital resources of Rs. 47 crores of which about 95 per cent. was owned by foreign organisations. Here again, the United Kingdom accounted for 69.7 per cent. 334 companies claimed direct investments; but the managing agents owned Rs. 13 crores or 14.6 per cent of the total capital.

Thus of the total value of ordinary shares of all the Indian joint stock companies amounting to Rs. 156 crores, the value of the foreign-held portion of the capital conferring control worked out to Rs. 85 crores or 54 per cent. composed of manufacturing groups (Rs. 22.06 crores), trading (Rs. 19.39 crores) and miscellaneous (Rs. 17.47 crores) and financial Rs. 13.86 crores.

Of the total foreign business investments in India amounting to Rs. 820.42 crores, Britain's share was Rs. 230 crores or 72 per cent. Tea plantations Rs. 52 crores or 80 per cent. direct foreign resources in companies trading in mineral oils and engaged in the distribution of electricity stood at Rs. 22.57 crores and Rs. 19.35 crores respectively. In jute and cotton manufacturing companies, there was a total foreign investment of Rs. 15.74 crores and Rs. 11.70 crores respectively.

The broad picture of India's investments abroad is :—

	Rs.
Deposits abroad owned by residents in India	65.98 crores
Unexpired letters of credit	15.16 ..
Inter-branch and inter-company balances	22.47 ..
Loans due from outside	15.79 ..
Insurance claims abroad	2.48 ..
Land and estate abroad	48.12 ..
Buildings	17.64 ..
Factories and Mines	12.39 ..
Residual items	618.24 ..
Foreign Government securities (includes sterling balances)	1,570.45 ..
Proprietary interest	3.60 ..
Shares and Debentures	26.17 ..
Total	2,418.58 ..

The main events in the field of international finance during 1952-53 were : (1) a cut of \$1.3 billion in the U. S. foreign aid, the allocation for this year being \$6.0 billion, (2) increased lending by the Export-Import Bank and the World Bank and (3) a further extension of activities under the Colombo Plan in spite of a lower scale of financial assistance.

* For tables see article 'Foreign Investments in India'.

GOLD RESERVES OF CENTRAL BANKS

(Million of fine ounces)

Average of months	United States	United Kingdom	Canada	France	Switzerland	South Africa	Belgium	Netherlands	Sweden	India
1948-49	—	—	11	10	39	8	18	5	2	7
1949-50	702	48	13	15	42	4	20	5	2	7
1950-51	668	87	16	15	43	5	18	7	2	7
1951-52	641	71	21	10	41	6	18	9	4	7
1952-53	666	52	25	10	40	5	20	12	6	7

STERLING AREA'S GOLD AND DOLLAR RESERVES

(Million \$)

End of	Net Deficit/Surplus	Financed By				Changes in reserve	Reserves at the end of quarter
		U.S. and Canadian credits	Purchase from I.M.F.	S. African Gold Loan	U.S. Aid		
1946	- 908	1123	..	..	..	+ 220	2,696
1947	-4131	3273	240	..	..	- 618	2,079
1948	-1710	352	128	325	682	- 223	1,856
1949	-1532	116	52	..	1196	- 168	1,688
1950	+ 805	45	..	..	762	+ 1612	3,300
1951	-1164	..	..	..	199	- 965	2,335
1952	- 917*	..	..	..	428	- 489	1,846*
1953 June	+ 354	..	..	..	167	+ 521	2,367
1953 July	+ 53	..	..	..	36	+ 89	2,456

* After taking into account the payment of \$181 million on December 31 for the service of U. S. and Canadian lines of credit, the U. S. lend-lease loan and the E.R.P. Loan.

WORLD BANK

The International Bank for Reconstruction and Development was set up in 1944 by 44 nations in order to encourage capital investment on a world scale. At present 54 countries are members.

Besides \$497 million of reconstruction loans made in 1947 to France, the Netherlands, Denmark and Luxembourg, the loans made by the Bank by the end of 1952 totalled \$1,000 million. The general reconstruction loans made

in 1947 carried interest at 4½ per cent. The rate on long-term loans in 1948 was 4½ per cent. The most recent long-term loans have been at 4½ per cent. The following are the details of the Bank's loans to India :-

Purpose	Maturity	Interest	Sanctioned Amount	Actually Borrowed	Effective Balance on June 30, 1953
Railway rehabilitation	1950-64	4%	\$ 31 m.	\$ 32.8 m.	\$ 24.1 m.
Agricultural Development	1952-56	3½%	\$ 10 m.	\$ 5.3 m.	\$ 3.8 m.
Power Development	1955-70	4%	\$ 18.5 m.	\$ 13.7 m.	\$ 18.5 m.
etc.	1956-77	4½%	\$ 19.5 m.	....	....
Iron and Steel Development (Indian Iron)	1959-67	4½%	\$ 31.5 m.	....	....

COINAGE

The following table gives a description of the coins in circulation at the end of March 1953 :

Denomination	Gross weight (Grains)	Composition (Proportion of Metals)
Standard Silver Quarter Rupee ..	45	Silver 916.6 per mille. and the rest base metal.
" " One-eighth Rupee.	22.5	" " "
Quaternary Alloy Rupee ..	180	Silver 50 per cent. and the rest base metal.
" " Half Rupee ..	90	" " "
" " Quarter Rupee ..	45	" " "
Pure Nickel Rupee ..	180	Nickel 100 per cent.
" " Half Rupee ..	90	" "
" " Quarter Rupee ..	45	" "
Cupro-Nickel Four-anna ..	105	75 per cent. copper and 25 per cent. nickel.
" " Two-anna ..	90	" " "
" " Two-anna (George V).	90	" " "
" " One-anna ..	60	" " "
" " Half-anna ..	45	" " "
Nickel-Brass Two-anna ..	90	70 per cent. copper; 1 per cent. nickel and 20 per cent. zinc.
" " One-anna ..	60	" " "
" " Half-anna ..	45	" " "
Copper Single Pice ..	100	100 per cent. copper.
" Half Pice ..	50	" "
" Pie Pieces ..	33.3	" "
Bronze Single Pice ..	75	97 per cent. copper, 2½ per cent. zinc and ½ per cent. tin.
" " " ..	30	" " "
" " " ..	60	" " "
" " " ..	45	" " "
" Half Pice ..	37.5	" " "
" Pie Pieces ..	25	" " "

The details of whole rupee coins issued since 1835 are given below :

William IV Standard ..	16,39,78,572
Victoria Standard ..	352,18,80,188
Edward VII ..	98,28,53,552
George V ..	180,74,83,517
George VI ..	98,02,178
George VI Quaternary ..	106,74,92,173
George VI Nickel ..	21,42,01,000
Asok Pillar ..	1,39,00,000
1951 ..	49,28,000
1951-52 ..	Nil
1952-53 ..	Nil

DECIMALISATION

With a view to simplifying accounting and facilitating calculations the Government of India had under consideration the introduction of a decimal system of coinage in India. The occasion, calling for a huge recoinage programme necessitated by the unpopularity of the nickel brass coin introduced in 1942 as a wartime measure, was considered to be most opportune for the proposed reform. The proposals under this system were that the rupee would remain unaltered and the half-rupee and the quarter-rupee, while retaining their present shape, size and weight, would be issued as 50 cents and 25 cents coins. The existing lower denominations of small coin would, however, be discarded and, instead, cupro-nickel coins of 10 cents, 5 cents and 2 cents and bronze coins of 1 cent and, if necessary ½ cent would be issued. A bill incorporating the above changes was introduced in the Central Legislative Assembly on the 18th February 1946 and circularised to elicit public opinion. The matter was, however, allowed to rest due to the great changes which followed in August 1947.

BANKING

MODERN banking in India owes its origin to the British agency houses operating in Bombay and Calcutta in the eighteenth century. Then followed the Presidency banks in the latter half of the nineteenth century. As a result of their amalgamation, the Imperial Bank of India was brought into being in 1921 by a special Act. The next stage was marked by the establishment of the Reserve Bank of India on April 1, 1935. Fourteen years later on January 1, 1949, the Reserve Bank was

nationalised and its functions are being broadened gradually: from the role of a "lender in the last resort" it has assumed the responsibility of being "the purveyor of credit" and is charged with the responsibility of developing the banking system on sound lines.

At the base of the banking system is the Reserve Bank with Imperial Bank as its agent. The edifice is made up of Indian joint stock banks other than the Imperial Bank, foreign banks and co-operative banks.

The Banking Companies Act was enacted in 1949 with the object of improving the efficiency and the tone of the banking system. The main provisions relate to licensing of branches, requirements of minimum capital and reserves and maintenance of cash reserves. The Act authorises the Reserve Bank to make periodical inspections of banks. During 1952 the Banking Companies Rules were extended to more States and now apply to the entire country.

CONSOLIDATED POSITION OF BANKS IN INDIA

(In lakhs of rupees)

1	Year.	No. of Banks.	Paid-up Capital.	Reserves.	Deposits					Cash		Investments		Loans and Advances.	Bills Discounted and Purchased.	Net Profit.	No. of Offices.
					Fixed.	Savings.	Current.	Others.	Total.	In Hand.	At Banks.	Government Securities.	Others.				
Scheduled Banks	1950	91	35.85	28.65	212.00	142.66	510.15	63.42	928.23	49.75	88.72	364.51	46.60	440.40	65.04	7.43	2,765
	1951	92	34.44	27.33	221.61	144.07	496.38	56.07	918.13	46.81	93.33	299.15	49.58	545.14	73.78	9.08	2,846
	1952	91	33.71	26.65	243.37	143.86	442.96	61.78	891.97	39.57	85.74	319.10	49.30	474.01	60.77	7.26	2,846
Non-Scheduled Banks	1950	514	10.26	3.91	36.66	13.15	20.57	3.29	73.67	6.83	4.68	24.44	4.40	45.77	1.87	68	1,546
	1951	474	9.39	3.98	35.80	12.74	17.96	3.49	69.99	7.71	3.55	22.79	3.83	45.79	1.69	63	1,469
	1952	443	9.64	4.25	33.36	12.29	15.84	3.23	64.72	6.35	3.90	21.10	3.81	42.87	1.69	48	1,321
Scheduled and Non-Scheduled Banks	1950	605	46.11	30.56	248.66	155.81	530.72	66.71	1,001.90	56.53	93.40	388.95	51.00	486.17	66.91	8.11	4,310
	1951	565	43.83	31.31	257.41	156.81	514.34	59.56	988.12	54.52	96.88	321.94	53.41	590.93	75.47	9.71	4,115
	1952	534	43.35	30.90	276.73	156.16	458.80	65.01	956.69	45.92	89.64	340.20	53.11	516.88	12.46	7.74	3,967

LIABILITIES AND ASSETS OF JOINT STOCK BANKS AT THE END OF 1952

The following table gives the position of joint stock banks including the Imperial Bank at the end of 1952. —

(In lakhs of rupees)

	1948	1949	1950	1951	1952
Number of Banks	639	620	605	565	534
Paid up Capital	46.16	46.41	46.11	43.83	43.35
Reserves	29.29	30.22	30.56	31.31	30.90
Deposits	1,118.23	997.47	1,001.90	988.12	956.69
Cash in Hand	74.47	71.00	56.53	54.52	45.92
Cash at Banks	115.07	119.75	93.40	96.88	89.64
Investments—					
Government Securities	414.76	375.72	388.95	321.94	340.20
Others	50.21	45.42	51.00	53.41	53.11
Loans and Advances	492.05	468.59	486.17	590.93	516.88
Bills Discounted and Purchased	51.73	49.24	66.91	75.47	62.46
Net Profit	6.65	8.37	8.11	9.71	7.74
Per Cent of Capital and Reserves to Deposits	7.94	9.22	9.27	9.19	9.52
Per Cent of Cash in Hand and Banks to Deposits	17.00	22.76	14.96	15.32	14.17
Per Cent of Investments to Deposits	48.90	45.85	43.91	37.99	41.11
Per Cent of Bank Credit to Deposits	48.63	55.54	55.20	67.44	60.56
Number of Offices—					
Total	4,674	4,441	4,310	4,115	3,967
Outside India	272	178	147	126	106

RESERVE BANK

In pursuance of federal financial integration, the Reserve Bank entered in 1952 into agreements with three Part 'B' States, Madhya Bharat, Travancore-Cochin and Mysore, whereby it became their sole banker.

The Bank advanced to scheduled banks a gross amount of Rs. 246 crores in 1952 as against Rs. 77 crores in 1951 and Rs. 13 crores in 1950. 1,043 loans for general banking purposes totalling Rs. 164.23 crores were made at the Bank rate against Government securities while 100 loans amounting to

Rs. 81.46 crores were made at $\frac{1}{2}$ per cent below the Bank rate under the Bill market scheme.

The following table gives the position of the Reserve Bank over a period of years:—

ISSUE DEPARTMENT

(In lakhs of rupees)

Year.	Notes held in the Banking Department.	Notes in Circulation.	Total Notes Issued.	Gold Coin and Bullion.	Foreign Securities.	Rupee Coin.	Govt. of India Rupee Securities.	Internal Bills and other Commercial Paper.	% of Gold and Foreign Securities to Note Issue.
30th June 1948	30.66	1,320.43*	1,351.09* (51.57)	44.41	1,135.33	43.51†	127.84	..	87.32
" " 1949	33.69	1,133.75	1,166.44	40.02	685.34	47.36	413.72	..	61.14
" " 1950	36.61	1,293.53	1,305.14	40.02	638.15	55.30	471.67	..	56.37
" " 1951	34.34	1,257.48	1,292.82	40.02	678.15	57.52	516.63	..	55.57
" " 1952	34.40	1,139.48	1,163.88	40.02	583.15	76.08	464.63	..	53.54

* Includes Rs. 51.57 lakhs Pakistan notes.

† Rs. 3.32 lakhs Pakistan rupee coin.

BANKING DEPARTMENT

(In lakhs of rupees)

Year	Paid-up Capital and Reserves.	DEPOSITS.						Bills payable.	Other liabilities.	Total liabilities and Assets.	Cash.	Bills purchased and discounted.	Balances held abroad.	LOANS AND ADVANCES.		Investments.	Other Assets.
		Central Government	Government of Burma.	Other Governments	Banks.	Others.	Total.							To Governments.	To others.		
1948 ..	10,00	284,30 <i>a</i>	..	25,02 <i>b</i>	103,21	47,95	460,47 <i>c</i>	4,02	12,34	486,83	30,75	1,76	401,34	11 <i>d</i>	<i>Nil</i>	50,86	2,01
1949 ..	10,00	128,39	..	16,97	67,45	61,29	274,10	3,27	7,50	294,88	32,83	2,85	135,68	10,72	7,32	103,45	2,03
1950 ..	10,00	140,67	..	15,20	52,44	63,58	271,89	3,81	12,14	297,83	36,74	1,76	189,25	93	10,01	57,05	2,10
1951 ..	10,00	162,70	..	17,05	58,74	71,13	310,00	2,37	9,82	332,20	34,98	2,00	178,35	7,50	18,71	88,12	2,44
1952 ..	10,00	117,25	..	3,10	56,67	64,44	241,54	3,31	8,01	262,87	34,56	10,19	98,24	1,58	28,28	86,94	3,08

(a) Includes Rs. 69,27 lakhs for Pakistan.

(b) Includes Rs. 5,66 lakhs for Pakistan.

(c) Includes Rs. 74,92 lakhs for Pakistan.

(d) Includes Rs. 3 lakhs for Pakistan.

EXCHANGE BANKS

The banks carrying on exchange business in India are merely branch agencies of banks having their head offices in London, on the Continent, in the Far East or the U. S. A. Originally their business was confined almost exclusively to the financing of the external trade of India; but in recent years, most of

them, while continuing to play their main role, have also taken an active part in the financing of internal trade. Following the increase in the British bank rate to four per cent in March 1952, exchange banks found it more profitable to tap Indian deposits than to get funds from London and over the year, showed an increase

of Rs. 4 crores in their deposits compared to a fall of Rs. 10 crores in the total deposits of major Indian scheduled banks and of Rs. one crore in those of other Indian schedule banks.

The earlier progress of Exchange Banks has been tabulated in the previous editions. The more recent trends are summed up below:—

Liabilities and Assets of Foreign Banks in India

(In lakhs of rupees)

Year	No. of Banks	Deposits					Cash		Bills Discounted and Purchased	Loans and Advances	Investments		No. of Offices	Net Profit
		Fixed	Savings	Current	Others	Total	In Hand	At Banks			Govt. Securities	Others		
1948	20	28,15	10,61	123,70	4,92	167,38	4,83	13,07	10,38	105,29	..	..	78	..
1949	21	30,52	10,53	120,62	4,53	166,20	2,34	17,17	16,49	105,66	49,18	1,15	80	2,24
1950	21	33,76	10,82	120,88	9,01	174,47	2,93	16,32	23,01	112,80	48,36	1,29	72	2,08
1951	21	41,22	10,12	112,83	5,93	170,10	2,81	22,05	25,84	148,75	45,20	1,13	71	3,14
1952	17	56,20	10,13	97,41	12,28	176,62	2,57	13,88	19,31	131,04	43,57	1,04	67	1,42

LIABILITIES AND ASSETS OF INDIAN BANKS

The following statements give details about the position of Indian banking:—

(In lakhs of rupees)

Year	Deposits		Cash				Bills Discounted and Purchased		Loans and Advances		No. of Offices	
	I.U.	Total	In Hand		At Banks		I.U.	Total	I.U.	Total	I.U.	Total
			I.U.	Total	I.U.	Total						
1948 ..	842,91	950,85	53,27	69,65	85,61	102,64	39,14	41,35	351,23	386,76	4,596	4,868
1949 ..	756,34	831,27	40,34	68,66	81,95	102,58	30,80	32,75	338,91	362,92	4,359	4,537
1950 ..	770,90	827,44	50,51	53,70	64,30	77,08	39,92	48,90	342,65	373,37	4,238	4,385
1951 ..	738,63	818,02	47,22	51,71	53,57	74,83	41,09	35,85	411,29	442,18	4,044	4,170
1952 ..	718,24	780,07	40,94	43,35	62,54	75,76	49,63	43,15	358,00	385,84	3,900	4,006

LIABILITIES AND ASSETS OF INDIAN JOINT STOCK BANKS

(In lakhs of rupees)

End of	No. of Reporting Banks	Paid-up Capital	Reserves	Deposits				Total Liabilities or Assets	Cash		Bills Discounted and Purchased	Loans and Advances	Investments		Net Profit	No. of Offices*
				Fixed	Savings	Current	Others		In Hand	At Banks			Government Securities	Others		
IMPERIAL BANK OF INDIA																
1948	1	5.63	6.28	41.94	31.44	173.49	280.29	33.42	19.96	23.72	12.26	85.74	150.82	10.43	1.20	367 (84)
1949	1	5.63	6.30	40.00	30.98	167.82	250.46	11.66	25.62	41.27	5.69	86.12	96.06	10.79	1.23	377 (86)
1950	1	5.63	6.33	41.46	30.37	145.76	231.97	13.69	7.17	21.01	7.51	94.44	107.15	14.40	1.25	382 (86)
1951	1	5.63	6.35	37.40	29.90	153.00	237.91	10.61	6.71	22.86	68.93	16.23	8.81	133.66	1.30	393 (80)
1952	1	5.63	6.35	35.82	28.74	129.38	205.85	11.91	3.55	21.90	80.54	16.61	6.05	107.12	1.33	410 (12)
OTHER INDIAN SCHEDULED BANKS																
1948	78	31.30	19.48	148.52	105.47	299.90	594.91	41.02	42.03	73.30	26.40	251.10	245.37	34.27	4.87	2,522 (142)
1949	77	31.06	20.05	134.02	100.50	240.70	509.10	33.88	35.94	56.55	24.79	226.09	212.89	28.97	4.32	2,399 (108)
1950	75	30.38	20.04	137.32	101.52	243.83	522.99	40.31	39.68	51.51	34.52	233.16	203.07	30.89	4.11	2,331 (89)
1951	75	28.82	20.98	143.13	104.08	230.58	517.34	39.55	27.30	48.44	185.06	32.21	39.13	262.79	4.64	2,188 (81)
1952	75	28.08	20.30	151.35	104.39	216.18	508.32	37.60	33.45	49.07	195.23	31.65	35.41	235.88	4.10	2,171 (81)
NON-SCHEDULED BANKS—CLASS A2																
1948	72	5.18	2.32	18.82	6.87	18.95	46.08	1.44	4.62	3.35	1.47	27.61	12.53	3.88	25	567 (39)
1949	78	5.73	2.62	20.40	6.84	17.34	45.99	1.41	4.34	3.08	1.41	30.29	12.43	3.10	28	516 (23)
1950	74	5.68	2.63	21.36	8.70	15.40	46.83	1.23	3.82	2.43	1.11	26.77	18.99	2.95	23	488 (18)
1951	70	5.66	2.70	20.63	8.49	13.48	44.28	1.66	4.13	1.87	1.16	2.96	6.64	26.53	34	482 (12)
1952	72	5.93	2.92	18.84	8.30	11.94	40.49	1.41	3.57	2.33	15.33	2.45	1.06	24.72	16	452 (11)
NON-SCHEDULED BANKS—CLASS B																
1948	191	3.13	94	13.72	4.01	4.85	24.10	1.52	2.47	1.90	1.11	17.46	5.31	1.29	26	693 (6)
1949	190	3.06	99	11.90	3.63	3.80	29.36	1.23	2.04	1.37	76	15.74	4.79	1.08	26	658 (5)
1950	192	3.06	1.10	12.41	3.84	4.19	21.86	1.42	2.32	1.52	75	16.21	4.99	1.15	29	663 (3)
1951	186	2.93	1.03	12.11	3.65	3.68	20.79	1.35	2.92	1.32	5.11	95	63	15.27	25	626 (2)
1952	195	2.99	1.12	12.25	3.59	3.23	20.31	1.44	2.25	1.27	5.17	1.13	58	14.96	28	623 (2)
NON-SCHEDULED BANKS—CLASS C																
1948	119	67	18	2.08	35	60	3.50	48	37	24	9	3.24	28	22	5	211 (2)
1949	124	72	18	2.01	38	58	3.41	45	35	26	10	3.13	31	23	6	224 (3)
1950	129	74	18	2.20	48	62	3.40	50	48	35	14	3.20	36	24	5	241 (3)
1951	117	63	13	2.25	45	60	3.67	37	49	27	39	17	4	3.07	6	222 (1)
1952	114	60	18	1.87	33	49	3.02	33	40	25	33	16	4	2.61	4	170 (—)
NON-SCHEDULED BANKS—CLASS D																
1948	158	25	9	1.19	19	29	1.97	30	19	13	2	1.61	15	12	2	236 (1)
1949	129	21	8	1.00	19	23	1.59	17	13	7	—	1.37	6	10	2	185 (—)
1950	124	22	7	81	16	18	1.31	16	13	9	2	1.14	7	86	2	176 (2)
1951	96	17	6	67	12	17	1.05	9	16	9	9	1.28	1	55	—	133 (—)
1952	60	12	3	40	7	17	68	4	9	4	4	—	1	55	1	74 (—)

* No. of offices outside the Indian Union are shown in brackets.

MONEY RATES IN INDIA

	1951	1952
Bank Rate*	3½-3	3½
Imperial Bank Rates :		
Hundi Rate** .. .	4½-3½	4½
Advances Rate . . .	4-3½	4
Call Loan Rate—		
Rs. 5 lakhs and over	3½-2½	3½
Below Rs 5 lakhs ..	3½-3	3½
Bazar Bill Rates † :		
Calcutta	10-12	10-12
Bombay	9-8½	9½-9
Call money Rates :		
Calcutta	½	3-½
Bombay—		
Larger Banks .. .	2½-½	3-½
Smaller Banks .. .	2½-1½	3½-1½
Long-term Government		
Bond yield†† .. .	3.29	3.69

* Bank rate raised to 3½ per cent on November 15, 1951. This is the standard rate at which the Reserve Bank is prepared to buy or re-discount bills of exchange or other commercial paper eligible for purchase under the Reserve Bank of India Act.

** The rate at which the Imperial Bank discounts first class three months' commercial bills.

† Rates at which bills of small traders are discounted by shroffs. The quotations are unofficial.

†† Average flat yield on 3 per cent Conversion Loan of 1946.

Clearing Houses.—The Principal Clearing Houses in India are those of Calcutta, Bombay and Madras and of these the first two are by far the most important. In 1946-47 Clearing Houses were opened at Alleppey, Rajkot and Gaya and are being managed by the Imperial Bank of India. This brings the total number of Clearing Houses under the management of the Imperial Bank to 19. In Bombay, a Metropolitan Clearing Association was formed and registered in October 1946 to arrange for clearing for non-scheduled banks as the Bombay Bankers' Clearing House decided to restrict its membership and sub-membership only to scheduled banks.

Cheque clearances in the Indian Union declined to Rs. 6,198 crores in 1949-50 from Rs. 6,687 crores in the previous year which was incidentally a record year for cheque clearances. In 1950-51 there was, however, a sharp recovery owing to the broadening of business activity and the rise in prices following the outbreak of the Korean War and the rearmament drive and the total cheque clearances amounted to Rs. 8,577½ crores. Of the increase amounting to Rs. 379½ crores, Bombay alone accounted for Rs. 277½ crores at Rs. 2,877½ crores. The year 1951-52, however, broke all previous records.

The figures for 1951 and 1952 along with others are shown in the table given below :

CLEARING HOUSE STATISTICS

(In lakhs of rupees)

Year	Velocity of Circulation	Calcutta	Bombay	Madras	Kanpur	Delhi	Other Centres	Total
1948 ..	9.8	2,707.90	2,712.59	382.88	133.53	144.72	589.43	6,671.05
1949 ..	10.4	2,459.08	2,612.32	384.95	128.57	142.23	598.21	6,325.36
1950 ..	10.6	2,272.35	2,683.93	397.94	136.41	143.66	643.87	6,278.16
1951 ..	13.0	3,118.84	3,180.57	487.07	145.18	167.58	778.75	7,877.99
1952 ..	12.3	2,703.95	2,679.52	432.57	136.94	157.95	742.47	6,863.40

STOCK EXCHANGE*

THE earliest reference to stock broking in India dates back to the end of the 18th century when transactions in Government securities and the shares of the East India Company used to take place in Calcutta under a *neem* tree. Similar references are also available about business in shares in Bombay before 1840. The boom following the American Civil war gave a great impetus to this business.

The Native Share and Stock Brokers' Association of Bombay was formally constituted by an indenture dated December 8, 1887 and was recognised by the Government of Bombay for forward trading in shares under the Bombay Securities Contracts Control Act, 1925. Since then several attempts were made to start rival stock markets in Bombay, the latest one being the Indian Stock Exchange started in 1938.

Calcutta Association.—The Calcutta Stock Exchange Association was founded at No. 2, New China Bazar Road (now known as 2, Royal Exchange Place), Calcutta, with 150 founder members in 1908. Fifteen years later, it was registered as a limited liability concern. The Association is controlled and managed by a Committee and has a membership of 232 brokers.

The only registered institution in south India of brokers dealing in shares and securities is the Madras Stock Exchange Association, Ltd., registered in 1937.

During the boom period several stock markets were started at other industrial centres. These include Delhi and Kanpur.

The Ahmedabad Stock Exchange is also a registered body and recognised by the Government of Bombay under the Bombay Securities Contract Control Act.

Among the Part B States Hyderabad has an organised stock market of its own; but trading in shares is conducted in several other States, particularly Madhya Bharat in which Indore is an important centre.

CAPITAL MARKET

Until the beginning of the Second World War the capital market had made a slow but steady progress; but its pace quickly accelerated during the War period when the monetary inflation and the rising trend of industrial profits served as a first class stimulant to its growth which was spectacular. The post-war period has, however, served mainly towards consolidating the early gains. A broad idea of the expansion of the market can be had from the fact that between 1938-39 and 1946-47, the interest-bearing obligations of the Government of India increased by Rs. 1,176 crores, while consent for the issue of capital was granted to the tune of Rs. 640½ crores from May 17, 1943 to March 31, 1947.

INDUSTRIAL FINANCE CORPORATION

Under the Industrial Finance Corporation Act, a Corporation was established on July 1, 1948 to provide medium and long-term finance to public limited companies and co-operative societies registered in India, including the succeeding States, and engaged in the manufacture or processing of goods or in mining or in the generation or distribution of electricity or any other form of power. Individuals, partnership firms or private limited companies are thus excluded from the purview of the Corporation's operations. The authorised share capital is Rs. 10 crores, divided into 20,000 shares of Rs. 5,000 each, the paid up capital being Rs. 5 crores in respect of 10,000 shares issued. To this issue, the Central Government and the Reserve Bank of India subscribed Rupees one crore each, the scheduled banks and financial institutions like insurance companies and investment trusts, Rs. 1½ crores each, and co-operative banks Rs. ½ crore. The paid-up

value of the share capital and dividends on it, at the minimum rate of 2½ per cent. per annum are guaranteed by the Government. The Board of Directors consists of twelve members, of whom four are nominated by the Central Government and two by the Reserve Bank of India, and six are representatives of scheduled banks, insurance companies, investment trusts and other financial institutions.

The Corporation is authorised to borrow up to five times the amount of its paid-up capital and reserve fund. When the Reserve Fund equals the authorised capital of Rs. 10 crores, the borrowing capacity of the Corporation will be Rs. 100 crores. The Corporation may also accept deposits for periods of not less than five years, but the total deposits accepted may not exceed Rs. 10 crores. It is empowered to provide financial assistance in the following ways:

(i) grant loans or subscribe to debentures of industrial concerns repayable within a period of 25 years secured by sufficient pledge, hypothecation or mortgage of tangible assets; (ii) underwrite the issue of stocks, shares and debentures; and (iii) guarantee loans floated in the market repayable within a period not exceeding 25 years.

The Corporation is prohibited from subscribing directly to the shares or stocks of companies and is primarily a lender and not a partner in industry. Its policy is to finance the acquisition of fixed assets and thereby supplement rather than compete with the activities of commercial banks.

In September 1948 the Corporation started functioning with Mr. Shri Ram as Chairman and Mr. Ram Nath as Managing Director. In August 1949 the Corporation decided to augment its resources by issuing 3½ per cent. bonds repayable in 1964. The Act was amended with effect from December 29, 1952 in order to enable the Central Government to guarantee loans in foreign currencies and in certain other respects, e.g., shipping companies are now eligible for loan from the Corporation.

The nature of assistance that the Industrial Finance Corporation can render to the Industries is governed by the Act which permits help to be given only to public limited companies or co-operatives registered in India and engaged in the manufacture of goods, processing of goods, mining and generation or distribution of electricity or any other form of power.

Up to the end of January 1953 the Corporation sanctioned Rs. 15-23 crores by way of loans.

The break-up of the loans sanctioned by the Corporation from June 30, 1949 to June 30, 1952 is as follows (Rs. in lakhs):

Textile machinery 64; Mechanical engineering 118; Electrical engineering 115; Cotton textiles 204; Woollen and rayon 85; Chemicals 186; Cement 90; Ceramics and glass 119; Non-ferrous metals 85; Sugar 115; Paper 74; Automobiles and tractors 50; Other industries 98; Total 1,403; Total asked for 3,187.

With the passing of the Part B States (Laws) Act, 1950, which came into force on April 1, 1951, the Industrial Finance Corporation Act, 1948, now extends to the whole of India except Jammu and Kashmir. On account of the conditions prevailing in the money market and the stock exchange, the Corporation did not consider it advisable to undertake underwriting commitments.

STATE FINANCIAL CORPORATION

An Act to provide for the establishment of State Financial Corporations was passed in October 1951. The Act enables the State Government to establish a Financial Corporation for the State under a name to be specified by

notification and the State Government concerned, the Reserve Bank, scheduled banks, insurance companies, investment trusts, co-operative banks and other financial institutions will be entitled to subscribe to the share capital. Parties other than these can also be shareholders; but their aggregate holding will not exceed one fourth of the total capital. The shares allocated will not be transferable except to the State Government, the Reserve Bank or any other recognised financial institution.

The shares of the Corporation will be a trustee security under the Indian Trusts Act and an approved security under the Insurance and Banking Acts. The shares shall be guaranteed by the State Government in regard to the repayment of principal and the payment of annual dividend at such minimum rate as the State Government may, with the approval of the Central Government, fix by notification. The Corporation may issue bonds and debentures for increasing its working capital and accept deposits of not less than five years' maturity.

The management of the Corporation will vest in a Board of Directors composed of three nominated by the State Government, one by the Central Board of the Reserve Bank, one by the Industrial Finance Corporation of India, one each by scheduled banks, co-operative banks and other financial institutions and one to represent other shareholders. The Managing Director will be an ex-officio member of the Board. The first Board will be constituted by nominating the representatives of the various interests by the State Government.

The Corporation may transact the following business:—(a) the guaranteeing of loans raised by industrial concerns in the public market for not more than 20 years; (b) the underwriting of the issue of stocks, shares, bonds or debentures by industrial concerns; (c) the granting of loans or subscribing to debentures of industrial concerns repayable within 20 years; and (d) other business arising or ancillary to the above. The limit of accommodation to any industrial concern will be up to a maximum of one-tenth of the Corporation's share capital subject to a maximum of Rs. 10 lakhs.

Upto December 1953 four States had established State Finance Corporations—Punjab, Saurashtra, Bombay, Travancore-Cochin.

At present there is no legislation for the regulation and control of stock exchanges except in the State of Bombay. The Bombay Securities Contracts Control Act of 1925 has also not proved particularly effective mainly because transactions outside a recognised stock exchange are, under the Act, merely void and not illegal. The Act does not also make a clear distinction between ready and forward business. To improve upon the Contracts Control Act the Bombay Government enacted in 1947 the Bombay Forward Contracts Control Act; but this Act has not been applied to securities presumably because central legislation on this subject has been in contemplation.

On the basis of the recommendations of an expert committee, the Government of India have formulated proposals for enacting legislation for regulating stock markets. Comments received from the State Governments and public bodies are under scrutiny.

COMPANY LAW

In 1951 the Government of India appointed an expert committee, with Mr. C. H. Bhabha as Chairman, to suggest an overhaul of the Company Law. But trafficking in managing rights and cornering of shares in the open market with a view to acquiring control over the management of well-established and reputable

* For investors' guide see end of book.

companies for anti-social purposes had reached such proportions that Government decided to promulgate an Ordinance on July 21, 1951. On September 14, the Indian Companies Act was amended. The main features of the changes are given below :-

(1) Any Amendment in the articles or agreement relating to the appointment of a Managing Director and the increase in the remuneration will be void unless approved by the Central Government.

(2) The Central Government, after an enquiry into the complaint made by the Managing Agent, Managing Director or any other director of a company that the change in the board of directors would prejudice the affairs of the company direct that the resolution will be effective only after it is confirmed by Government.

(3) Any change in the term of a Managing Agent after July 21, 1951 shall be void unless approved by the Central Government.

(4) A Managing Agent can transfer his office only with the approval of Government.

(5) A change in the Constitution of the Managing Agent will require prior approval of Government.

(6) When the affairs of a Company are managed in a manner prejudicial to the interests of the company or oppressive to some part of

the members, a member can apply to the court for an order to wind up the Company. Government can also apply for a similar order.

(7) The Central Government may constitute an advisory commission to advise them on company affairs.

Steps to introduce legislation for comprehensive revision of the Indian companies Act are well under way. The administration of the Act will also be brought within the purview of the Central Government.

Section 91 B of the Indian Companies Act was amended in 1952 in order to empower the Central Government to exempt any company from the prohibitions contained in sub-section (1) of that Section. An Advisory Commission was also set up to advise Government on applications under the various provisions of the law.

During 1952, 326 applications for the issue of capital amounting to Rs. 152.3 crores were disposed of by the Ministry of Finance. Out of these 102 applications from industrial companies for the issue of capital aggregating Rs. 32.7 crores were sanctioned and 23 applications for Rs. 53.3 crores were refused. 152 applications from non-industrial companies involving a total issue of Rs. 7.10 crores were sanctioned and 49 applications for Rs. 55.05 crores were refused. 76 applications were decided involving investment of foreign capital in companies in India to the

extent of about Rs. 6 crores. Out of these, 63 applications were sanctioned involving a capital of over Rs. 5½ crores, and 13 involving a capital of about Rs. ½ crore were refused.

MARKET TRENDS

Throughout the war period, the stock market was fed on a veritable boom caused by cheap money and inflation. The Index of Government securities moved up from 107.6 in August 1939 to 120.4 in 1946-47 and that of fixed yield industrial securities from 137.7 to 197.8 on the basis of 1927-28 quotations equal to 100. In the same period, the index of variable yield industrial securities advanced from 98.5 to 268.6. In the following four years the economic uncertainty, post-partition riots and the general thinning of investment demand had an adverse effect on the stock markets and the capital values registered a marked depreciation. Thereafter a feeble recovery was noticeable but the volume of business continued to be at a low ebb and even the Korean War broken in mid-1951 did not stimulate speculative excesses in industrial shares.

The table below based on the data collected by the Reserve Bank broadly indicates the trend in regard to paid-up capital of variable yield industrial shares quoted on the stock exchanges of Bombay, Calcutta and Madras and their market value :-

(Rupees in lakhs)

	October 1948	31-3-1949	31-3-1950	31-3-1951
No. of Companies	779	833	820	827
Paid-up Capital	Rs. 20,596	Rs. 22,714	Rs. 23,015	Rs. 23,808
Market Value	Rs. 40,563	Rs. 37,933	Rs. 35,400	Rs. 43,367

During 1951-52 the Stock Exchange turned downward following the evaporation of inflationary pressures and the debacle reached its nadir in March 1952 when the crash on the market, preceded by a heavy slump in commodities, resulted in the temporary closing down of the market.

The behaviour of the stock market during the financial year 1952-53 fitted the customary

pattern of disinflation. With the general rise in interest rates, ideas of equity yields were revised in an upward direction and buyers turned more exacting in their demands for safety and liquidity of capital. This tendency was reinforced by the recession in prices and incomes and flagging profits and directly led to the withdrawal of support from variable yield securities. Nevertheless the fall in their index from 109.8 in April 1952 to 103.7 in January 1953 was

followed by a recovery to 107 in March. On a percentage basis, the variation over the year was 5 per cent. in Bombay, 7 per cent. in Calcutta and 10 per cent. in Madras.

Since December 1946, the Reserve Bank of India has started constructing indices of security prices covering 398 scrips taking the year 1938 as the base. These indices (all-India) reveal the following trend :-

1938 = 100

Average of Weeks	Government & Semi-Government Securities	Industrial Securities		Banks	Insurance	Investment Trusts	Electricity Tramways	Shipping and other transport	Railways	Plantations	Cotton, Woollen and Silk Mills	Jute Mills	Coal	Mining and Oil	Iron and Steel	General Engineering	Sugar	Breweries	Chemicals	Paper	Cement
		Fixed Dividend	Variable Dividend																		
1947-48	103.3	120.2	181.5	152.0	206.0	229.0	104.0	104.0	95.0	223.0	298.0	184.0	188.0	116.0	189.0	236.0	161.0	183.0	203.0	254.0	147.0
1948-49	102.0	109.4	136.5	138.0	159.0	193.0	87.0	144.0	90.0	157.0	202.0	112.0	129.0	82.0	150.0	192.0	138.0	117.0	176.0	125.0	134.0
1949-50	101.2	101.9	115.4	121.6	123.0	172.8	84.2	90.1	90.6	123.7	154.8	84.0	107.8	61.1	134.5	154.2	116.1	104.9	157.0	99.4	120.4
1950-51	100.0	101.0	124.2	122.8	123.5	163.1	89.1	94.5	91.7	152.9	157.5	93.3	120.9	71.8	159.6	176.3	101.1	101.9	173.3	114.3	135.8
1951-52	95.8	97.2	127.8	116.1	112.1	149.2	90.2	98.6	87.5	177.5	169.4	99.5	125.7	76.9	163.4	172.0	97.1	84.1	176.2	127.7	143.8
1952-53	91.7	90.8	107.3	103.2	99.5	139.4	82.7	85.5	74.7	126.8	135.1	78.3	91.3	63.4	131.0	140.1	83.8	59.5	134.9	114.3	140.7
1953 June	92.1	90.7	107.9	103.4	99.4	142.3	84.0	86.6	75.5	123.5	136.8	74.2	89.7	63.4	142.2	150.5	83.2	71.7	134.9	116.5	143.2

BULLION

PRECIOUS metals have always held a great place in the Indian economy. Even though gold and silver standard currencies are no more in the world, both the metals determine Government's policies. The price policies in respect of these two metals are

governed by American attitude because the U.S.A. is the most important consumer. The U. S. official price of gold at \$ 35 per five ounces has been accepted as the official price by all member countries of the International Monetary Fund.

SILVER

The following table gives details about the trend of silver production from 1949 to 1952:—
(In millions of ounces)

	1949	1950	1951	1952 (Est.)
United States	34.6	42.1	40.0	40.5
Mexico	40.5	19.1	43.8	45.0
Canada	17.6	23.2	21.2	25.0
Peru	10.6	13.4	14.9	17.0
Bolivia	6.6	6.6	7.2	6.0
Other South and Central American Countries	6.7	6.9	6.8	7.5
Total (Western Hemisphere)	125.6	141.3	136.9	141.0
Outside the Western Hemisphere (Partial)	23.0	26.0	30.0	31.0
World Production (Partial)	148.6	167.3	166.9	172.0
India	0.011	0.116	0.015	0.021

Following the expiry of the Green Act on December 31, 1945, a Silver Bill was enacted on July 31, 1946 authorising the Treasury to sell or lease for manufacturing use any silver, not pledged as monetary backing for silver certificates, at not less than 90¢ cents per fine ounce and also to purchase all domestic

silver mined after that day, if offered within one year after being mined, at a net price of 90¢ cents. The tax of 50 per cent on profits derived from transactions in silver, originally designed to prevent speculation at the expense of the Treasury, also continues to be in force in spite of considerable agitation.

The recent trend of silver consumption (partial data) is given in the following table:—

(In millions of ounces)

ARTS AND INDUSTRIES	1950	1951	1952
United States	120.0	110.0	95.0
Germany	9.6	11.5	11.3
Great Britain	12.2	16.5	11.0
Canada	5.2	4.6	4.2
Japan	N.A.	3.5	3.5
Mexico	2.5	2.0	2.2
Total	149.5	148.1	127.2
COINAGE			
United States	21.0	44.4	57.3
Saudi Arabia	—	21.0	23.0
Germany	—	9.9	8.8
Mexico	3.8	4.5	8.3
Canada	3.8	3.8	4.2
China	—	—	—
Other Countries	1.5	0.4	1.5
Total	33.7	84.0	104.1
Total Consumption	183.2	232.1	231.3

World Gold Production

(In thousands of fine ounces)

	1948	1949	1950	1951	1952
Union of South Africa	11,585	11,705	11,664	11,516	11,800*
Canada	3,530	4,124	4,441	4,392	4,450*
U.S.A.	2,025	1,922	2,289	1,895	1,938*
All countries including U.S.S.R.	24,959	25,878*	26,579	26,018*	26,400*
Australia	891	893	861	896	978*
Gold Coast	672	677	689	699	691
Southern Rhodesia	514	528	511	487	497
Mexico	368	406	408	394	400*
Colombia	335	350	379	431	422
Congo	300	334	350*	N.A.	N.A.
Philippines	209	289	300*	N.A.	N.A.
Korea	300*	300*	200*	N.A.	N.A.
Chile	164	179	186	174	180*
Indian Union	180	164	197	226	253
Brazil	157	183	195	200*	180*
Japan	70	100*	120*	N.A.	N.A.
Peru	111	138	148	142	140*
Fiji	93	90*	90*	N.A.	N.A.
New Zealand	94	85	77	75	75*
New Guinea	87	93	75*	N.A.	N.A.
Sweden	75*	75*	75*	N.A.	N.A.
Tanganyika	58	69	65*	N.A.	N.A.
Elsewhere	815	757	652*	N.A.	N.A.
Commonwealth	17,772	18,511	18,758*	18,604	19,100*
Commonwealth percentage	71.2	71.5	70.6	71.5	72.3
U. of S. Africa percentage	46.4	45.2	43.9	44.3	44.7

N.A.—Not available.

* Provisional figures.

The trend of silver price in New York during 1952 was downward, but there were only six changes in the published price and the opening quotation of 88 cents per troy ounce proved to be the peak of the year and the low of 82½ cents was reached on May 28.

The following table gives the average silver quotations in New York and London from 1948 to 1952:

	New York Official	London Spot
	Cents	Pence
1948	74.361	45.004
1949	71.930	49.243
1950	74.169	64.706
1951	89.368	77.856
1952	84.941	74.360

GOLD

Gold has played a key role in shaping the life and history of the world. Between 1493 and 1600, world's production of gold was placed at 24.2 million ounces. It steadily rose to 38 million ounces during the 50 years ended 1850. Since then, however, the production has risen rather spectacularly. The annual average output mounted from 3.5 million ounces in 1850 to 19.6 million ounces in 1929 and then to 35.2 million ounces in 1936, reaching the peak figure of 41 million ounces in 1940. The greatest part of this enormous increase came since the U. S. Administration raised its price of gold from \$ 20.67 per ounce to \$ 35 an ounce which made the U. S. A. a sort of magnet strongly attracting the world's entire gold production. The following table gives the figures for world gold production in thousands of fine ounces.

International Gold Policy

The pressure for raising the official price of gold continued in the post-war period. Subsequent to the I.M.F. statement on premium gold in 1951, several gold producing countries permitted external transactions at premium prices under certain specified conditions. During 1952-53 the premium price in the world free markets fluctuated between \$ 36.40 and \$ 37.50, about 30 per cent of the new gold production during the year went to augment the official gold stocks. It is estimated that in 1952 some 12 million ounces of gold were absorbed by the free gold markets as compared with about 9.5 million during the previous year.

Production, Imports and Exports

The upward tendency in India's gold production noticed since 1950 continued during 1952, the estimated output rising further from 226,344 ounces in 1951 to 252,911 ounces in the following year. Its value, as calculated on the basis of the prices at which it was sold in the open market was, however, lower at Rs. 6 crores as against Rs. 6.8 crores in 1951. The improvement in the physical output was due to higher production in the Mysore State which accounted for as much as 243,829 ounces. On the other hand, the output of the mines in Hyderabad State fell slightly from 9,476 ounces to 9,282 ounces. The Indian output during 1952 was still about 20 per

cent below the pre-war (1939) figure of 317,000 ounces though her share in the world output rose from 0.87 per cent in 1951 to 0.96 per cent in the following year.

Imports and exports of gold continued to be negligible in view of the continuance of the restrictions under the Foreign Exchange Regulation Act, 1947, and Imports and Exports (Control) Act, 1947. The inflow of smuggled gold also contracted owing to the narrowing down of the price disparity between the Indian and world price level. In January 1953 the Government of French India decided not to allow any foreign exchange for the import of gold into Pondicherry.

Assaying and Refining of Gold and Silver

Some relevant statistical data are given below :—

(Thousands of tolas)

Year	Melting and Assaying		Refining	
	Gold	Silver	Gold	Silver
1948-49	1,06	3,69	27,35	1,59,94
1949-50	1,27	20,86	19,91	8,74,33
1950-51	2,59	97,56	18,64	16,50
1951-52	60	64,19	27,43	44,46
1952-53	28	62,55	24,11	28,92

The following table gives details of imports and exports of gold and silver :—

Yearly Average	Imports		Exports		Net Imports (+) Net Exports (—)	
	Ounces in thousands	Rs. in lakhs	Ounces in thousands	Rs. in lakhs	Ounces in thousands	Rs. in lakhs
GOLD						
1948-49	1	3	—	1	+ 1	+ 2
1949-50	1	2	—	—	+ 1	+ 2
1950-51	7	21	1	4	+ 6	+ 17
1951-52	40	1,16	—	1	+ 40	+ 1,15
1952-53	1	2	—	—	+ 1	+ 2
SILVER						
1948-49	18,20	84	—	—	+ 18,20	+ 84
1949-50	1,49	6	78	4	+ 71	+ 2
1950-51	66	3	—	—	+ 66	+ 3
1951-52	1,67	9	—	—	+ 1,66	+ 9
1952-53	1,28	5	—	—	+ 1,28	+ 5

INDIAN MARKET

During 1952-53 forward trading in gold and silver under the auspices of the Bombay Bullion Association, the only recognised body under the

Bombay Forward Contracts Control Act, 1947, was sought to be further regulated. The new bye-laws promulgated in May 1952 sought to prevent over-trading and ensure speedy payment of differences when fluctuations were rather

excessive. The volume of transactions showed a considerable decline amounting to 118 million tolas in gold and 4.2 million bars in silver as against 245 million tolas in gold and 9.5 million bars in silver during 1951-52.

The following statement gives the highest and lowest spot prices of gold and silver in Bombay with import duties from 1947 to 1952 :—

Gold (per fine tola).

Silver (per 100 tolas gross).

Year.	Highest.	Lowest.	Average.	Import Duty.	Highest.	Lowest.	Average.	Import Duty.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1947-48	117 12 0	95 14 0	108 0 4	12 8 0	183 13 0*	142 8 0	166 12 6	9 6 0
1948-49	121 0 0	103 0 0	114 9 10		190 8 0	166 8 0	177 9 0	
1949-50	119 10 0	107 2 0	114 14 11		192 12 0	158 14 0	174 11 10	
1950-51	120 2 0	104 12 0	113 7 4	13 2 0	198 12 0	173 14 0	185 14 3	9 13 6
1951-52	118 10 0	79 8 0	109 1 11		207 4 0	142 0 0	188 4 3	
1952-53	95 14 0	77 5 0	88 0 1		174 12 0	141 12 0	159 8 4	

* Unofficial.

NATIONAL INCOME

ESTIMATE OF NET OUTPUT PER ENGAGED PERSON : 1948-49

ACCORDING to the report of the National Income Committee, agriculture, animal husbandry, and ancillary activities contributed roughly 48 per cent of the national income in 1948-49. Commerce, transport and communications amounted to 19.5 per cent. Commodity production taken roughly as the total value contributed by agriculture, mining, manufacturing and hand-trades amounted to Rs. 56.5 abja (milliard) or nearly two-thirds of the total national income.

The estimated national income for 1948-49 was Rs. 87.1 abja.

The population in 1948 was taken as 341 million and consequently the per capita national income worked out at Rs. 255.

The following two tables give a broad picture of the distribution of national income though the Committee suggests that too much should not be read in the second table :

NATIONAL INCOME BY INDUSTRIAL ORIGIN : 1948-49

Item	Net Output (Rs. Abja)	Percentage
Agriculture :		
Agriculture, animal husbandry and ancillary activities	40.7	46.7
Forestry	0.6	0.7
Fishery	0.2	0.2
Total of Agriculture ..	41.5	47.6
Mining, Manufacturing and Hand-trades :		
Mining	0.6	0.7
Factory establishments ..	5.8	6.6
Small enterprises	8.6	9.9
Total of Mining, etc. ..	15.0	17.2
Commerce, Transport and Communications :		
Communications	0.3	0.3
Railways	2.0	2.3
Organised banking and insurance	0.5	0.6
Other commerce and transport	14.2	16.3
Total of Commerce, etc.	17.0	19.5
Other Services :		
Professions and liberal arts.	3.2	3.7
Government Services (Administration)	4.6	5.3
Domestic Service	1.5	1.7
House Property	4.5	5.2
Total of other Services ..	13.8	15.9
Net domestic product at factory cost	87.3	100.2
Net earned income from abroad	-0.2	-0.2
Net National Output at factory cost = NATIONAL INCOME	87.1	100.0

	Net Output (Rs. Abja)	No. of Persons Engaged (Lakhs)	Net Output per Engaged Person (Rs. in 000)
Agriculture	41.5	816	6.5
Mining and Factory Establishments	6.4	34	1.9
Small Enterprises	8.6	134	0.6
Total of Mining, Manufacturing and Hand-trades	15.0	168	0.9
Railways and Communications	2.3	11	2.1
Banking, Insurance and other Commerce and Transport	14.7	89	1.6
Total of Commerce, Transport and Communications	17.0	100	1.7
Professions and liberal Arts	3.2	47	6.7
Government Services (Administration) ..	4.6	35	1.3
Domestic Service	1.5	35	0.4
House Property	4.5	....	....
Total of other Services	13.8	117	1.2
NET DOMESTIC PRODUCT AT FACTORY COST	87.3	1.20	0.73

The net national expenditure at market price totalled Rs. 91.7 abja out of which government administration, government administrative capital expenditure and government enterprises capital expenditure were Rs. 6.3 abja, Rs. 0.8 abja and Rs. 1.2 abja, i.e., 6.9 per cent, 0.9 per cent and 1.3 per cent respectively.

It will be noted that government draft on private income amounting to Rs. 87.3 abja was to the extent of Rs. 6.9 abja composed of Rs. 2 abja as direct taxes, Rs. 4.2 abja as indirect taxes and Rs. 0.7 abja as miscellaneous fees, etc.

Dealing with the consumer expenditure, the report pointed out that only fragmentary and dimensional indications were available in isolated cases.

For example, out of a total national product of Rs. 87 abja in 1948-49 the consumer expenditure on food probably amounted to about Rs. 46 abja or nearly 58 per cent of the national income. The high proportion of consumer expenditure on food shows in a general way the underdeveloped character of our economy.

TARIFF POLICY

THE Government of India set up the First Tariff Board in July 1923 for a period of one year and its life was extended from time to time though its personnel was revised every now and then. The Board was guided by three principles, namely, (1) the industry must have natural advantages, (2) the industry is such that without protection it is not likely to develop at all or so rapidly as is desirable in the interest of the country, and (3) the industry must be one which will eventually be able to face world competition without protection.

On November 3, 1945 an Interim Tariff Board was constituted with the late Mr. R. K. Shanmukham Chetty as Chairman. This marked the second stage in the evolution of tariff policy. The Board was expected to keep in view the fundamental objectives of Government's industrial policy which was "to encourage and promote rapid industrialisation of the country to the fullest extent possible." Before recommending protective measures, it was expected to satisfy itself that (1) the industry was conducted on sound business lines, (2) it was likely within a reasonable time to develop sufficiently to be able to carry on successfully without protection or State assistance or it was an industry which it was desirable in the national interest to grant protection or assistance and the probable cost of protection or assistance to the community was not excessive, and (3) due weight was given to the interest of the consumer in the light of the prevailing conditions.

The third stage began with the reconstitution of the Board in November 1947 with Mr. G. I. Mehta as President, and Dr. H. L. Dey and Dr. B. V. Narayanaswamy Naidu as members. Apart from re-assigning the functions hitherto exercised by the Interim Tariff Board, the reconstituted Board was entrusted with two additional functions, namely, (1) to report to Government as and when required factors that lead to increase in the cost of production of Indian manufactured goods as against imported articles and (2) to advise Government, as and when required, on measures whereby internal production may be secured on the most economical cost basis.

The next development took place on August 6, 1948 when Government broadened the functions of the Board in the matter of inquiries into complaints against dumping, combines, etc. and maintenance of watch over progress of protected industries.

The question of evolving a new tariff policy for the Indian Republic was entrusted to the Fiscal Commission in April 1949 which recommended the establishment of a permanent Tariff Commission with enlarged powers and functions. It came to the conclusion that protection should continue to be granted on the following basis: (1) Defence and other strategic industries irrespective of cost on national considerations, (2) Basic and key industries on the recommendations of the Tariff Authority, (3) Other industries having regard to the economic advantages consistent with the cost of protection.

The Tariff Commission Act passed by Parliament received the assent of the President on September 12, 1951 and became immediately effective. Among its main provisions are the following:

The Central Government will establish a Tariff Commission consisting of not less than three, but not exceeding five, whole-time members and one of them will be nominated by the Central Government as its Chairman.

For the purpose of conducting any inquiry under the Act, the Commission will have all the powers of a civil court while trying a suit under the Code of Civil Procedure and to require any person to furnish information on the subject matter of any inquiry.

Upon receipt of a report made to it by the Commission, the Central Government may take such action as it considers fit in respect of any of the matters dealt with in the report. A copy of every final report made to the Central Government, together with a report of the action taken thereon by the Central Government will be laid on the table of Parliament within three months of the submission of the report if Parliament is then sitting and, if Parliament is not then sitting, within seven days of its re-assembly. When the report cannot be so laid, a statement explaining the reasons therefor will also be laid on the table of Parliament.

The first Tariff Commission (Jan. 7, 1952) was composed of Mr. G. I. Mehta as Chairman and Dr. B. V. Narayanaswamy Naidu and Mr. B. N. Adarkar as members.

The Commission is now composed of Mr. M. D. Bhat (Chairman), Mr. B. N. Adarkar, Mr. B. N. Das Gupta and Mr. C. Ramasubban.

The industries which were granted protection for the first time in 1952 were hydroquinone, iron and steel machine screws, electric brass lamp holders and zip fasteners. Protection to the ball bearings industry was granted till the end of 1954 and to batteries for motor vehicles was continued till December 1955. Starch, alloy, tool and special steels, certain categories of grinding wheels and segments and photographic chemicals were granted continued protection till the end of 1954. In the case of 27 industries including preserved fruits, glucose, soda ash, pencils, plywood, sericulture, artificial silk, non-ferrous metals, aluminium, cotton textile machinery and bicycles protection was extended up to the end of 1953. (See below for fuller list.)

Apart from cases relating to protection, the Commission submitted reports on the fair retention prices of steel produced at Bhadravati and the Steel Corporation of Bengal, continuance of protection to the motor vehicles battery industry, woollen hosiery industry, ball bearings and steel balls industry, revision of fair prices of superphosphate for 1952, review of retention prices of tin-plate produced by the Tinplate Co. of India Ltd., revision of raw rubber prices, fair ratio between the ordinary shares of the Steel Corporation and the Indian Iron, power and distribution transformers industry, revision of the fair retention prices of steel produced by Tata Iron and reduction of import duty on metanophenol. At the time of writing Government had issued orders on the first nine reports.

The Commission was to undertake inquiries into the claims of 44 industries for continuing protection in 1953.

ARTICLES TAXED

The general rate of import duty is 25 per cent. On luxury goods the duty varies between 75 and 100 per cent.

The following articles among others are subject to a protective duty: Heavy chemicals, iron and steel, metals (other than iron and steel), sewing machines and parts, cycles (other than motor bicycles) and parts.

The following articles among others are subject to revenue duties: Machinery, iron and steel, metals (other than iron and steel), motor cars, cycles, scooters, omnibuses, lorries, vans, and parts of these, pneumatic rubber tyres and tubes, motor spirit, kerosene oil, oils (fuel and lubricating), gold, bullion, coins, sheets and plates, tin, electric lighting bulbs, wireless apparatus, Portland cement (excluding white), raw cotton, coal tar products including dyestuffs, artificial silk, yarn, textile fabrics, wood, pulp, paper, stationery, cinematograph films, toys, games and sports goods, spices, wines, spirits and liquors, ale, beer, porter, cider and fermented liquors, tobacco, betel-nuts.

The following articles among others are subject to export duties: Raw jute, manufactured jute, raw cotton, cotton waste, cotton cloth and yarn, raw wool, oil and oil seeds, tea, black pepper, other agriculture produce, manganese.

The following articles among others are subject to excise duties levied by the Central Government: Kerosene, sugar, matches, coffee, tea, vegetable products, tobacco, cotton cloth, steel ingots, motor spirit, tyres, coal.

Customs is among the most important sources of revenue of the Central Government. Before the war it accounted for between 55 and 60 per cent of the revenue. Though the percentage today is not as high as it used to be it is still second only to income-tax as a source of revenue.

Among the items that earn most revenue are motor spirits (about Rs. 25 crores), the group that includes motor cars (about Rs. 11 crores), machinery, kerosene oil, raw cotton, artificial silk yarn are also very high (about Rs. 6 crores each).

About export duty, raw and manufactured jute bring in most revenue (about Rs. 60 crores). Tea is next with about Rs. 10 crores.

Before the war excise duties did not form a material part of the revenues of the Central Government. Today they are very important, the estimates for 1953-54 are Rs. 94 crores. The most important single item is tobacco with over Rs. 35 crores.

PERIOD OF PROTECTION

On the following industries, protection was due to expire on December 31, 1953. The date in brackets shows when the duty was imposed:

Artificial silk fabrics (May 1, 1934); cotton and artificial silk mixed fabrics (May 1, 1934); sericulture (May 1, 1938); cocoa and chocolate (April 18, 1947); calcium chloride (April 18, 1947); bichromates (April 18, 1947); coated abrasives (April 18, 1947); iron or steel weed-screws (April 18, 1947); antimony (April 18, 1947); hurricane lanterns (April 18, 1947); bicycles (April 18, 1947); sewing machines (April 18, 1947); aluminium (May 15, 1947); preserved fruit (Jan. 12, 1948); glucose (Sept. 24, 1948); oleic and stearic acids (Sept. 24, 1948); plywoods and batens for chests (Sept. 24, 1948); cotton (Sept. 24, 1948); hair bedding (Sept. 24, 1948); iron or steel balling hoops (Sept. 24, 1948); ferro-silicon (Sept. 24, 1948); non-ferrous metals (Sept. 24, 1948); electric motors (Sept. 24, 1948); pickers for textile industry (March 29, 1949); soda ash (April 24, 1950); sheet glass (April 24, 1950); plastic electrical accessories (April 24, 1950); phenol-formaldehyde moulding powder (April 24, 1950); cotton textile machinery (April 24, 1950); sago globules and tapioca pearls (March 29, 1951); pencils (March 29, 1951); calcium lactate (March 29, 1951); fountain pen ink (March 29, 1951); buttons, studs and cuff links (March 29, 1951); hydroquinone (March 7, 1952); electric brass lamp holders (March 7, 1952); oil pressure lamps (March 29, 1952).

On the following industries protection is due to expire on December 31, 1954:

Photographic chemicals (Dec. 21, 1948); some categories of grinding wheels and segments (Jan. 12, 1948); alloy, tool and special steels (Aug. 30, 1948); sago flour and farina (Sept. 24, 1948); iron or steel machine screws (March 7, 1952); zip fasteners with metal tooth (June 15, 1952); ball bearings (Jan. 10, 1953).

On the following industries protection is due to expire on December 31, 1955:

Batteries for motor vehicles (March 29, 1949); power and distribution transformers (May 30, 1953).

FINANCE

THE following table shows the budgeting position of the Government of India for 1948-49, 1951-52, 1952-53 and 1953-54. The figures for 1953-54 are budget estimates. Throughout the figures are in Rs. crores :

	1948-49	1951-52	1952-53	1953-54
REVENUE	372	515	419	439
Customs	126	232	177	170
Central excise duties	51	86	80	94
Corporation tax	62	41	40	37
Other taxes on income	78	93	73	68
Other revenue	55	63	49	70
EXPENDITURE	321	387	422	439
Defence	146	171	193	200
Civil expenditure	175	216	229	239
NET REVENUE POSITION	+51	+128	-3	..
ACCOUNTS OUTSIDE REVENUE	-133	-127	-80	-28*
OVERALL SURPLUS OR DEFICIT	-82	+1	-83	-28
Public debt in India†	1,852	1,737	1,725	1,819
UNFUNDED DEBT†	366	507	563	619
DEPOSITS†	195	230	214	197
OVERSEAS OBLIGATIONS†	43	146	144	141
TOTAL INTEREST BEARING OBLIGATIONS†	2,450	2,620	2,646	2,776

* After taking credit for a special loan of Rs. 110 crores to be taken from the Reserve Bank to cover part of anticipated deficit.

† As it stood at the end of the year.

REVENUE AND EXPENDITURE

The principal sources of Central revenue are: customs duties, excise duties levied by the Central Government, corporation tax, income tax (excluding taxes on agricultural income), estate and succession duty, the earnings from the mints, terminal taxes on goods or passengers carried by railway, sea or air, taxes on railway fares and freights, taxes (other than stamp duty) on transactions in stock exchange and future markets, stamp duty on bills of exchange, cheques, bills of lading, letters of credit, insurance policies, transfer of shares etc., taxes on sale and purchase of newspapers and on advertisements in newspapers.

The railways and the posts and telegraphs contribute to the Central revenues. There are also the profits on the Government industrial undertakings.

About as much as 90 per cent of the revenue is derived from the customs, excise duties, corporation and income taxes.

The principal sources of revenue for the individual States are: State taxes (on agricultural income, lands and buildings, minerals rights, consumption or sale of electricity, sale or purchase of goods other than newspapers, advertisements other than in newspapers, goods and passengers carried by road or on inland

water-ways, vehicles, animals, boats, tolls, professions, trades, luxuries, amusements), capitation taxes, stamp duties, excise duties on alcoholic liquors, opium and other narcotics.

A point about the Sales Tax is worth mentioning here. The Union has the power of declaring any commodity as essential for the life of the community and thereby vetoing any sales tax levied on it by a State Government. This power comes from the Essential Goods Act of 1952.

The Act however does not apply to taxes levied before it came into force.

Then there are the subventions from the Central Government. Part of the proceeds of the income tax are distributed among the States. The Jute growing States get part of the proceeds from the export duty on jute. There are also special grants which are made to certain States. (For details see report of the Finance Commission).

Collection and appropriation of taxes are not always vested in the same authority. Some taxes are levied by the Central Government but collected and appropriated by the States (stamp duties, excise duties, duties on medicines and toilet preparations). Some are levied and collected by the Union but assigned to the States (succession and estate duties on property other than agricultural, terminal taxes on

passengers, railway fares, freights, stock exchange, future markets, newspapers or advertisement. Corporation tax is collected and retained by the Union, but taxes on other incomes are levied and collected by the Union and distributed between the Union and States.

The two biggest items of expenditure of the Central Government are outlay on development programmes (capital account) and defence. These programmes were undertaken to help the country recover from the effects of war and partition and to increase the total wealth. Some of the projects are financed by loans and others by assistance from foreign Governments. Current releases from sterling balances are also used to finance development.

Three important heads of expenditure of the States under the revenue account are: irrigation, security and social services.

Then there is public debt, now almost wholly internal—the rupee debt. This may be divided into three classes, long term loans and money market liabilities, the unfunded debt which includes provident funds, postal deposits, saving certificates, and last the deposits.

In 1952-53 the total public debt of the Government of India amounted to Rs. 2,082 crores. Of this the debt in England amounted to Rs. 27 crores, the dollar debt to Rs. 113 crores.

The entire revenues of the Union form a single fund called the Consolidated Fund of India.

Towards the beginning of the financial year, that is in April the estimates of receipts and expenditure are laid by the Central and State Governments before their respective legislatures.

No expenditure can be incurred without a specific grant being made for the purpose.

Certain routine items which cannot await legislative sanction are non-votable. These items are charged to the consolidated funds of the Central and State Governments.

A difficult problem for the income tax department has been the evasion of tax specially during the war and since.

A commission was appointed in 1947 to investigate such evasion. By September 1952 the Commission had discovered concealed income to the value of Rs. 38 crores, the evaded taxes on which amounted to Rs. 21 crores.

This was not very satisfactory and in 1952 June the Finance Ministry launched a special drive, inviting the public to make voluntary disclosures of hidden income within a specified time. Assessors were offered special treatment, such as exemption from prosecution, dropping of penalties and payment by instalment. The arrears in income tax were estimated at Rs. 150 crores.

By Sept. 1952 the total income voluntarily disclosed amounted to Rs. 74.43 crores, on which the tax was Rs. 10 crores.

1953-54 BUDGET

The 1953-54 Budget estimates tax revenue at 85 per cent of the total as against 89 per cent in 1951-52 and 1952-53 (revised). The budget proposals have the net effect of reducing the tax revenue by Rs. 0.40 crore and raising non-tax revenue by Rs. 1.9 crores as compared to yields on the basis of the rates in 1952-53. The budget also provides, in addition to transfers in accordance with the recommendations of the Fiscal Commission, Rs. 17 crores for special grants. As against this, there is no provision for food subsidies which amounted to Rs. 21 crores in 1952-53 revised.

These estimates leave a deficit of Rs. 1.05 crores which is sought to be converted into a

small surplus of Rs. 0.45 crore. The estimated net addition of Rs. 1.50 crores to revenue as a result of budget proposals is accounted for as follows:—

	Crores of rupees.
Loss in revenue due to reduction in export duty on sackings from Rs. 175 per ton to Rs. 80	— 3.5
Loss in revenue due to raising the exemption limit on personal income-tax (Central share) from Rs. 3,600 for individuals and Rs. 7,200 for Hindu undivided families to Rs. 4,200 and Rs. 8,400 respectively	— 0.4

	Crores of rupees
Increase in revenue due to changes in import duties including an additional duty of as. 2 per lb. on betelnuts	+ 3.5
Adjustments in Union excise duties including change from <i>ad valorem</i> duty to specific duties on cloth	Nil
Changes in postal rates	+ 1.9

(For certain changes in the Income-Tax Act, see 'Income-Tax' in this chapter.)

INDIA'S PUBLIC REVENUE EXPENDITURE AND DEBT.

(Crores of rupees)

	1950-51	1951-52	1952-53 Budget	1952-53 Revised	1953-54 Budget
I. REVENUE ACCOUNT.					
Revenue	410.66	515.36	404.98	418.64	437.76
Tax Revenue	357.00	459.99	357.24	372.29	(+ 1.50)†
Expenditure	351.44	387.27	401.25	422.43	370.44
Defence (Net)	164.13	170.96	197.95	192.73	(- 0.40)†
Surplus (+) or Deficit (-)	+59.22	+128.09	+3.73	-3.79	438.81
II. CAPITAL ACCOUNT—					199.84
Receipts .. .. .	....	....	....	....	+0.45‡
Permanent Debt (Net) .. .. .	....	23.36	32.76	29.60	....
Other Debt (Net)	59.09	30.58	43.75	50.52	461.23
Repayment of loans granted by the Central Government (Net) .. .. .	....	....	....	....	....
Disbursements .. .. .	....	....	....	....	....
Capital outlay	55.73	118.12	78.42	75.83	76.64
Redemption of Permanent Debt (Net)	7.76	....	....	....	18.83
Repayment of other Debt (Net) .. .. .	....	....	....	....	....
Loans and Advances by the Centre (Net)	57.63	60.16	77.85	82.78	96.33
Surplus (+) or Deficit (-)	-62.04	-124.39	-79.76	-78.49	-30.57
III. MISCELLANEOUS (Net)	+15.25	-2.79	+0.43	-0.57	+1.97
IV. OVERALL SURPLUS (+) OR DEFICIT (-)	+12.44	+0.91	-75.60	-82.85	-28.15
V. CASH BALANCE—Opening	149.50	161.78	158.68	162.69	70.84
Closing	161.94	162.69	83.08	79.84	51.69
VI. UNION GOVERNMENT DEBT	2,550.54	2,611.16	2,070.16	2,640.26	2,772.04

† Effect of budget proposals.

‡ Taking into account the effect of budget proposals.

IMPORTANT HEADS OF REVENUE AND EXPENDITURE OF THE GOVERNMENT OF INDIA.

(Crores of rupees)

	1950-51	1951-52	1952-53		1953-54 Budget.
			Budget.	Revised.	
REVENUE—					
Customs	157.15	231.69	165.00	177.00	170.00
Union Excise Duties	67.54	85.78	86.00	80.00	94.00
Corporation Tax	40.49	41.41	30.53	39.83	36.62
Taxes on Income other than Corporation Tax †	132.73	146.19	124.47	130.17	123.38
Currency and mint	12.27	11.30	10.39	10.77	(- 0.82)††
Net Contribution to General Revenues:					15.69
Railways	6.50	6.93	7.65	7.68	7.65
Posts and Telegraphs	3.98	3.43	1.16	1.40	0.40
Total Tax Revenue collected by the Union Government†	404.62	512.85	408.08	429.11	(1.90)††
Percentage of taxes on income to total Tax Revenue‡	42.8	36.6	38.0	39.6	37.6
Total Revenue	410.66	515.36	404.98§	418.64	437.76§
EXPENDITURE—					(+ 1.50)††
Direct Demands or Revenue	12.50	16.23	15.76	31.05	32.49
Irrigation	0.22	0.17	0.18	0.17	0.19
Debt Services	37.36	39.00	36.16	35.03	37.17
Civil Administration	48.80	53.67	55.98	56.23	71.27
Currency and mint	2.55	2.51	3.20	3.05	2.57
Civil Works, etc.	10.38	11.36	14.95	14.82	15.06
Miscellaneous	52.88	65.14	40.93	53.11	29.37
Defence Services (Net)	164.13	170.96	197.95	192.73	199.84
Contributions and miscellaneous adjustments between Union and State Governments	15.59	17.31	20.28	23.04	26.37
Extraordinary Items	7.03	10.91	15.86	13.21	24.48¶
Total Revenue Expenditure	351.44	387.27	401.25	422.43	438.81
Surplus (+) or Deficit (-)	+59.22	+128.09	+3.73	-3.79	+0.45‡

†† Effect of budget proposals.

‡ Taking into account the effect of budget proposals.

† Including States' share of Rs. 52.86 crores in 1951-52, Rs. 50.84 crores in 1952-53 (budget), Rs. 56.82 crores in 1952-53 (revised) and Rs. 54.90 crores (—Rs. 42 lakhs being the effect of budget proposals on States' share) in 1953-54 (budget). ‡ Including Corporation Tax. § Including credit taken in the budget for the recovery from Pakistan of Rs. 9 crores in 1952-53 (budget) and Rs. 16 crores in 1953-54 (budget). ¶ Including provision for grants to States for (i) G.M.F. schemes, (ii) Relief in natural calamities, (iii) Community development schemes, (iv) Industrial housing schemes and (v) Grants to B States for development schemes.

DISTRIBUTION OF REVENUE AND EXPENDITURE

(Rupees in crores)

	Tax Revenue	Cost of Collection	Net Revenue from Commercial Departments	Optimum (Net)	Currency and Mint (Net)	Interest Receipts	Extraordinary Receipts	Other Revenue	Total Net Revenue	Interest on Debt	Reduction or Avoidance of Debt	Extraordinary Payments	Defence Expenditure (Net)	Other Expenditure	Net Capital outlays of Commercial Departments (Posts and Telegraphs and Irrigation)	Total Net Expenditure	Surplus + Deficit
1949-50	309.33	11.71	9.32	-0.04	9.14	1.36	1.33	14.30	333.03	34.43	5.00	11.54	148.86	99.96	..	299.79	+ 33.24
1950-51	353.61	10.25	10.40	1.96	9.71	2.13	0.70	25.20	393.46	32.36	5.00	7.03	161.13	125.60	0.12	334.24	+ 59.22
1951-52	456.59	12.88	10.29	0.70	8.79	1.77	5.59	23.65	494.50	34.00	5.00	10.91	170.96	145.45	0.09	366.41	+123.09
1952-53 (Budget) ..	352.04	12.14	8.79	-0.42	7.19	2.33	9.34	14.67	381.80	31.16	5.00	15.86	197.95	127.95	0.15	378.07	+ 3.73
1952-53 (Revised) ..	367.09	28.37	9.06	0.18	7.72	2.50	0.47	21.58	380.23	30.03	5.00	13.21	192.73	142.91	0.14	384.02	- 3.79
1953-54 (Budget) ..	366.60	28.39	8.02	-0.93	13.12	3.05	18.47	19.23	399.23	32.17	5.00	24.48	199.84	138.61	0.15	400.28	- 1.05

DEVELOPMENT EXPENDITURE

Out of a total of Rs. 726 crores, which the Centre is expected to raise over the five-year period from its revenue and capital accounts, about Rs. 262 crores have been found in the first two years and it was expected that another Rs. 120 crores would be provided in 1953-54. The States, however, have been able to find only about Rs. 101 crores in the first two years as against Rs. 532 crores expected to be raised in 1951-56.

A good part of the development expenditure was financed through grants and loans received

from abroad in 1951-52 and 1952-53. Foreign grants and loans extended to India in this two-year period totalled Rs. 189 crores. The breakdown is as follows:

	(Crores of Rupees)
International Bank—	
Balance of loans extended in the pre-Plan period	9.0
Steel Project Loan (December 1952)	15.2
Loan for Damodar Valley Project (January 1953)	9.5
U.S. Food Loan	90.4

Grants under the Colombo Plan—
(Canada Rs. 13.3 crores, Australia Rs. 6.1 crores and New Zealand Rs. 0.9 crores) 20.3
U.S. Technical Co-operation Assistance 41.8
Other Aid including aid from Norway and from the Ford Foundation 2.8

Total 189.0

(Crores of rupees)

FINANCING OF THE PLAN 1951-52 TO 1953-54

(Crores of rupees)

	Centre.				States.			
	1951-52 (Accounts)	1952-53 (Revised)	1953-54 (Budget)	1951-56 (Five-Year Plan)	1951-52 (Accounts)	1952-53 (Revised)	1953-54 (Budget)	1951-56 (Five-Year Plan)
Outlay on the Plan	133.5	165.4	236.9	1240.5	128.0	157.2	176.1	828.2
Budgetary Resources	127.1	56.5	71.3	497.2	79.6	99.5	128.3	760.3
Savings of public authorities—								
(a) from current revenues	121.1	4.2	29.5	160.0	68.8	57.1	63.0	411.7
(b) from railways	37.7	20.7	20.4	170.0	..	..	..	..
Private savings absorbed through—								
(a) loans from the public	-34.2	-1.2	-16.7	36.0	11.5	15.1	14.1	79.0
(b) small savings and other unfunded debt (excluding floating debt)	48.6	54.4	55.7	270.0	..	..	..	..
(c) deposits, funds and other miscellaneous sources	-14.8	25.8	30.8	90.0	-34.0	-17.5	-2.3	40.8
Internal inter-governmental transfers (Centre's help)	-31.4	-48.8	-48.4	-228.8	33.3	44.8	53.5	228.8
Gap in Resources	6.4	108.9	165.6	743.3	48.5	57.7	47.8	67.9
External Assistance	61.7	44.4	27.6	..	..	..	..	..
Grants	4.1	13.6	29.7	..	..	..	..	..
Loans (net)	57.6	30.8	-2.1	..	..	..	..	..
Deficit	-55.3	64.5	138.0	..	48.5	57.7	47.8	67.9
Covered by (a) increase in floating debt	-32.2	-13.3	109.9	..	-0.3	20.8	20.8	..
(b) sale of securities from reserve (net)	-22.5	-5.0	..	..	34.2	82.0	22.0	..
(c) withdrawal from cash reserves	-0.9	82.9	28.1	..	14.6	4.9	5.0	67.9

CAPITAL BUDGET OF THE GOVERNMENT OF INDIA

(Crores of rupees)

	1950-51	1951-52	1952-53		1953-54 Budget
			Budget	Revised	
Total Receipts	120.55	169.04	125.43	130.01	317.51
Total Disbursements	182.59	293.43	205.19	208.50	348.08
Deficit on Capital Account	62.04	124.39	79.76	78.49	30.57

DEBT POSITION

Under the Indian Independence (Rights, Property and Liabilities) Order, 1947, all liabilities in respect of loans, guarantees and other financial obligations of the Governor-General-in-Council outstanding immediately before the date of Partition have been placed on the Republic of India, subject to the recovery of an appropriate contribution from Pakistan. In regard to the outstandings in respect of Post Office Savings Bank and Post Office Cash, Defence and National Savings Certificates it was agreed that each country should take over liability for the deposits and certificates outstanding in its

respective area subject to adjustment of transfers from one country to the other till March 31, 1948. A moratorium of four years has been given to Pakistan for the repayment of the Partition Debt. The first instalment fell due on August 15, 1952.

The outstanding public debt of the Government of India was expected to amount to Rs. 2,082 crores at the end of March 1953 and Rs. 2,173 crores at the end of 1953-54. The broad analysis of the debt compared with that at the end of 1938-39 is given below :—

(In lakhs of rupees)

	Total	Rupee Loans	Sterling Loans	Dollar Loans
31-3-1939 Account	9,49,77	4,84,82	4,64,95	.....
31-3-1953	20,82,05	19,41,00	27,31	1,18,74
31-3-1954	21,73,06	20,34,15	26,15	1,12,76

The liability for the British War Loan remains suspended while against the outstanding Railway annuities an equivalent deposit has been made with the U.K. Government who have under-

taken to provide the necessary sterling as the payments fall due. Omitting these items, the total outstanding debt would be Rs. 2,056 crores at the end of the current year and Rs. 2,148

crores at the end of 1953-54, representing at the end of the budget year an increase of Rs. 1,266 crores over the corresponding figure at the end of 1938-39.

In addition, Government are liable to repay the balances in the various Provident Funds, the Post Office Savings Bank, the Post Office Cash and National Savings Certificates, the Depreciation and Reserve Funds of the Railways, Posts and Telegraphs etc. and certain other deposits, mainly relating to excess profits tax and income-tax. These balances were estimated to amount to Rs. 780 crores at the end of the current year and Rs. 819 crores at the end of 1953-54 after making a very rough allowance for Pakistan's probable share in them.

Taking the regular debt and these liabilities together the debt position of the Government of India would stand at Rs. 28,35,92 lakhs on 31-3-1953 and Rs. 29,67,00 lakhs on 31-3-1954 as against Rs. 11,38 crores at the end of 1938-39. The uncovered debt would amount to Rs. 366 crores at the end of 1953-54 as against the pre-war figure of Rs. 188 crores.

The statement below analyses the interest bearing obligations of the Government and the interest yielding assets held by them :—

(In lakhs of rupees)

	1938-39	31-3-1952 Revised	31-3-1953 Budget	31-3-1953 Revised	31-3-1954 Budget
INTEREST-BEARING OBLIGATIONS :					
In India—					
Public Debt					
Loans	4,37,87	14,02,10	14,27,10	14,05,58	13,89,58
Treasury Bills, Ways and Means Advances and Treasury Deposit Receipts	46,30	3,35,01	3,30,01	3,19,19	4,29,04
Public Debt (India)	4,84,17	17,37,11	17,57,11	17,24,77	18,18,62
Unfunded Debt—					
Service Funds	1,03	42	40	32	22
P.O. Savings Bank Deposits	81,38	1,97,99	2,11,82	2,20,02	2,37,52
P.O. Savings Certificates	59,57	13,03	9,27	10,15	6,65
National Savings Certificates .. .. .	.....	1,41,06	1,60,58	1,61,12	1,83,05
State Provident Funds	72,40	1,20,02	1,28,67	1,31,85	1,42,03
10-Year Treasury Savings Deposit Certificates .. .. .	.....	20,47	35,47	26,35	35,35
Other Items	10,25	13,88	14,10	14,09	14,26
Unfunded Debt (India)	2,25,13	5,06,89	5,58,31	5,63,40	6,19,08
Deposits—					
Depreciation, Development and Reserve Funds	27,84	1,71,47	1,71,98	1,70,18	1,59,40
Other Deposits .. .. .	.....	58,70	45,99	43,38	37,53
Deposits (India)	27,84	2,30,17	2,17,97	2,13,56	1,96,92
Total—Obligations in India	7,36,64	24,74,17	25,33,39	25,01,73	26,34,62
In England					
Public Debt—					
Loans	3,96,50	1,24	1,19	1,20	1,15
War Contribution	20,62	20,62	20,62	20,62	20,62
Capital portion of Railway annuities in purchase of Railways	47,82	8,53	5,44	5,44	4,33
Public Debt (England)	4,64,94	30,39	27,25	27,26	26,10
Unfunded Debt—					
Service Funds (England)	418	3,09	3,02	2,97	2,89
Total—Obligations in England	4,69,12	33,48	30,27	30,23	28,99

	1938-39	31-3-1952 Revised	31-3-1953 Budget	31-3-1953 Revised	31-3-1954 Budget
Dollar Loan—		1,12,04	1,11,94	1,13,74	1,12,76
Total—Interest-bearing obligations	12,05,76	26,19,69	26,75,60	26,45,70	27,76,37
INTEREST-YIELDING ASSETS—					
Capital advanced to Railways	7,25,24	8,33,63	8,50,04	9,51,95	9,70,92
Capital advanced to other Commercial Departments	27,42	1,12,95	1,34,05	81,25	90,34
Capital advanced to States	1,23,28	3,01,22	3,75,00	3,17,60	3,80,31
Other interest-bearing loans	20,71	40,17	50,25	59,87	84,48
Debt due from Burma	49,73	48,15	48,15	48,15	48,15
Deposits with the U.K. Government for redemption of Railway Annuities .. .. .	....	8,53	5,44	5,44	4,33
Purchase of annuities for Sterling Pensions .. .. .	....	1,93,58	1,86,32	1,86,32	1,79,16
Debt due from Pakistan .. .. .	....	3,00	3,00	3,00	3,00
Total—Interest-yielding Assets	9,46,38	18,38,23	19,55,25	16,53,58	17,69,69
Cash and Securities held on Treasury Account	30,30	1,98,70	1,42,35	1,36,18	1,06,53
Balance of total interest-bearing obligations not covered by above assets	2,29,08	5,82,76	5,78,00	8,55,94	9,00,15

STATE FINANCE

Details of revenue and expenditure of Part A and B States in the first three years of independence were summed up in the previous edition. The story is carried forward in the table below. The post-war trend of increasing revenue and expenditures continued; but during 1952-53 additional taxes could not be levied to the extent proposed and acute scarcity conditions made large inroads into revenues. Transfer of additional resources from the Centre to the States and large withdrawals from Revenue

Reserves, however, helped to keep the deficits at a low level. The budgets for 1953-54 imposed fresh taxation of Rs. 467 lakhs in Part A States and Rs. 20.6 lakhs in Part B States. The U.P. Government alone expected to realise Rs. 330 lakhs by raising irrigation rates.

Despite a substantial increase in development expenditure, the capital account of Part A States shows no serious deterioration from year to year. This is due mainly to increased loans

from the Centre and net receipts from State trading schemes in 1952-53 and 1953-54 (BE). In the case of Part B States, the first factor contributed mainly to a position of relative comfort. It is expected that with the assumption by the Reserve Bank of India of their banking and debt management operations and with the growth in their financial requirements, borrowings from the market will in future play a more important role in financing the capital requirements of Part B States.

CONSOLIDATED BUDGETARY POSITION OF PART A AND B STATES

(Rupees in lakhs)

PART A STATES					PART B STATES*			
1950-51 Accounts	1951-52 Accounts	1952-53 Revised	1953-54 Budget		1950-51 Accounts	1951-52 Accounts	1952-53 Revised	1953-54 Budget
50.97	55.56	53.73	51.35	REVENUE	10.11	11.32	13.55	12.69
33.21	33.05	42.90	48.57	Income-Tax*	16.37	14.94	17.99	18.91
50.44	47.85	43.87	47.13	Land Revenue	5.35	6.40	7.10	7.48
27.04	28.11	38.68	38.64	Sales Tax	20.30	21.09	21.91	22.03
19.22	18.83	18.06	19.84	Excise	2.97	3.16	3.20	3.25
211.51	218.21	234.22	244.37	Stamps	58.09	61.60	67.54	68.43
294.37	315.60	336.96	350.51	Total Tax Revenue	93.38	100.70	110.91	115.29
				EXPENDITURE				
24.30	26.23	29.66	32.91	Direct Demands on Revenue	8.26	9.32	11.23	11.53
30.76	31.97	36.77	38.46	Civil Works	8.58	8.95	11.07	12.78
2.31	3.95	5.16	10.57	Debt Services	4.77	4.58	4.82	5.35
84.20	87.87	88.61	89.49	Security Services	27.80	25.00	23.50	22.52
110.73	119.32	134.49	141.75	Social Services	31.77	37.83	44.80	50.44
293.08	309.11	340.06	362.98	Total Expenditure	91.93	100.53	111.18	118.82
+1.29	+6.49	-3.10	-12.42	Surplus (+) or Deficit (—)	+1.45	+6.17	-27	+3.33

* In the case of Part B States inter-State transit duties are included under Income-tax.

CAPITAL OUTLAY OF PART A AND B STATES

(Rupees in lakhs)

Part A States.				Part B States.		
1951-52	1952-53 Revised	1953-54 Budget		1951-52	1952-53 Revised	1953-54 Budget
20.64	46.32	53.95	Multi-purpose River Valley Schemes	0.95	9.35	13.80
28.85	24.52	26.51	Irrigation, Navigation, Embankments and Drainage Works .. .. .	..	..	..
—22	1.42	1.05	Agricultural Improvement and Research Schemes	15	1	71
14.33	15.64	20.80	Electricity Schemes	5.56	7.26	6.15
65	1.65	91	Road Transport	98	81	42
19.34	14.16	19.61	Buildings and Roads	1.70	1.67	2.32
97	3.48	2.35	Industrial Development	4.84	1.99	3.23
8	77	1.60	Others	42	85	1.34
79.69	107.96	126.78	Total	20.60	22.44	27.96

LAND REVENUE

The principle underlying the land revenue system in the country has been from time immemorial on the basis that government is the supreme landlord and the revenue derived from land is by way of rent. The official term for the method of collection is "Settlement". These were of three types. The permanent *Zamindari* System was mainly found in the Bengal area, Bihar, the U.P. and parts of Madras and covered roughly an area of 120 million acres equivalent to 19 per cent. of the total agricultural area of the sub-continent. In the second group were the temporarily settled *Zamindars* such as *Malguzari*, *Maharwari*, *Khoti*, *Narvadari*, *Bhagdari*, *Inami* and *Talukdari*. These were found mostly in Madhya Pradesh, the Punjab, parts of U.P., the Bengal area and Bombay covering about 30 per cent. of the area of the country. The remaining 51 per cent. or approximately 285 million acres were under the *ryotwari* system covering parts of Bombay and most parts of Madras, Berar, Assam and the Punjab area.

Most Governments have abolished the *Zamindari* system. To Madras goes the credit of being the first State to put a measure of this kind on the statute book. The Madras Bill received the assent of the Governor-General early in April, 1949. The validity of the *Zamindari* Abolition Acts was contested in the various State High Courts and the Supreme Court so much so that the Constitution Act itself was amended to make such bills valid. (See under 'Government of India'.)

Land revenue was the mainstay of provincial finance till 1938-39 and still continues to be an important source of revenue.

Following the Planning Commission's recommendations, several State Governments introduced better charges in 1951 on land for which new facilities by way of irrigation were made available.

EXCISE

The excise revenue in the country can be classified into two divisions—one derived from the Central Excise Duties and belonging to the Central Government's finance and the other derived from the manufacture and sale of intoxicating liquors, hemp drugs, toddy and opium. The latter is a provincial revenue. The budget for 1953-54 estimated the revenue at Rs. 64 crores. These duties are at present levied on motor spirit, kerosene, sugar, matches, steel ingots, tyres, tobacco, vegetable product, betel-nut, coffee, tea, cotton cloth and coal cess. In accordance with the recommendations of the Finance Commission, the States are given a share in the excise duty on matches, tobacco and vanaspathi.

The Budget of the Government of India for 1944-45 brought in force important changes in the field of Central Excises. It raised the rates of duty on unmanufactured tobacco and on cigars and cheroots and included in the Central Excise Tariff betel-nuts, coffee and tea.

A further change in respect of tobacco was proposed in the following year. Accordingly, the highest class of flue-cured tobacco in the excise tariff was sub-divided into three and subjected to a duty of Rs. 7-8, Rs. 5 or Rs. 3-8 per lb., according as it was intended for use in manufacturing cigarettes containing more than 60 per cent., more than 40 but not more than 60 per cent. or more than 20 but not more than 40 per cent. by weight of imported tobacco. In order to avoid double incidence, some of the provincial Governments reached an agreement with the Centre by which they withdrew the provincial excise duty on tobacco in lieu of a share in the proceeds from the Centre's tobacco excise. Tobacco excise has been responsible for nearly half the receipts under Central Excise Duties.

The budget proposals for 1951-52 provided for a stiff increase in tobacco duties; but the Act, as finally enacted, slashed the proposals to the tune of Rs. 6 crores. The excise duty on cloth was first introduced in January 1949.

The 1951-52 Budget also provided for an increase of 5 per cent. in the excise duties on motor spirit and kerosene so as to equalise the duties of customs and excise and for certain changes in the excise duty on tobacco.

The 1953-54 budget imposed a cess on mill-cloth to help the hand-loom industry and changed the basis of excise duty from *ad valorem* to specific duty at annas 3½ a yard on superfine cloth and annas 1½ on fine cloth.

The provincial excise revenue in the country is derived from the manufacture and sale of intoxicating liquors, hemp drugs, toddy and opium. The excise revenue has been pushed into the background by the prohibition policy of the State Governments.

The following table shows the proceeds from State excise in Part A States.—

	1952-53	1953-54
	Budget	
	(In lakhs of Rs.)	
Madras	41	3,32
Bombay	92	2,05
U.P.	6,32	8,71
Madhya Pradesh ..	2,56	3,39
West Bengal	5,62	5,58
Orissa	2,00	2,32
Punjab	2,78	2,95
Bihar	4,09	2,70
Assam	76	71
Total	25,46	32,63

The following are the details of revenue from Union excise duties in lakhs of rupees:—

	1951-52	1952-53	1953-54
	Accounts	Revised	Budget
Motor Spirit	2,07	2,00	2,05
Kerosene	28	25	25
Sugar	8,43	9,25	11,55
Matches	8,69	9,00	9,00
Steel ingots	55	60	60
Tyres	6,09	4,80	5,25
Tobacco	85,55	34,00	35,00
Vegetable Products ..	2,45	2,75	2,90
Coffee	77	70	75
Tea	4,31	4,00	4,25
Cotton Cloth	16,36	12,00	21,00
Coal Cess	1,66	1,70	2,00
Miscellaneous	42	35	40
	87,61	81,40	95,00
Deduct—Refunds	1,83	1,40	1,00
Total	85,78	80,00	94,00

CUSTOMS

Import duties have varied from time to time according to the financial conditions of the country. Since the First World War, a greater tendency towards reliance on Customs duties has been in evidence. The policy of discriminating protection and Imperial Preference was also a factor in the inter-war period. During the Second World War export duties were used as a curb to higher exports and inflation; but following the devaluation of the Indian rupee in September 1949 export duties served to narrow the margin between the world prices and Indian prices of the country's more important exports.

The customs schedule was recast in the budget of 1916-17 and the tariffs were raised in 1921-22 to reduce the budgetary deficit. The next major change was effected on January 1, 1933 in order to give effect to the Ottawa Agreement. During 1938-39 when the world trade was small the revenue from customs duties amounted to Rs. 40.61 crores. The war-time decline in trade reduced the revenue to Rs. 25.12 crores in 1942-43. The peak was recorded in 1951-52 at Rs. 231.69 crores.

The import tariff is cast in the form of a commodity schedule with broad distinctions indicating the treatment to be accorded to various classes of articles. The general rate of import duty (now 25 per cent plus a temporary surcharge of 4th) applies to all articles other than those specially listed, certain luxury items which carry a higher rate of tax, certain items subjected to protective duties and certain other items which are declared duty-free or are subjected to a low rate of duty, in the interest of the indigenous industry or the economy of the country. Luxury items which are subjected to the heaviest rates of duty ranging from 75 to 100 per cent mainly consist of tobacco manufactures, wines and spirits, artificial silk goods, gold-plated articles, fabrics containing gold or silver thread, gold and silver thread manufactures, silver thread and wires, games and sports requisites, clocks and watches, etc. In the case of protected items of which the more important are some chemicals, matches, silk and art silk fabrics, certain manufactures of iron and steel, sewing machines, cycles and certain items of machinery and parts, batteries for motor vehicles, the rates of duty are fixed at such amounts and for such periods as are found necessary having regard to the recommendations of the Tariff Commission. Grains and pulses and a number of raw materials for industry are on the free list, while specially low but varying rates of tax cover a large number of essential items like fuel oils, batching oils, lubricants, raw films, textile machinery, etc.

Export duties cover a number of items of which jute and tea are normally the most important. In recent years, however, export duties have been used to counter inflation and to obtain for the exchequer the benefit of any large disparities between the internal and external prices of the country's main exports. The Government continue to keep under constant review the effect of such duties on the country's export trade and recently, in certain cases, duties have either been abolished or reduced to improve the competitive position of the commodities concerned in world markets. At present export duties cover jute, cotton, cotton waste, cotton cloth, manganese ore, tea, black pepper, iron and steel and certain manufactures thereof, some oils and oilseds and mercury.

The trend of revenue from customs is given below:—

Year	(Rs. in lakhs)
1948-49	126.16
1949-50	124.71
1950-51	157.15
1951-52	231.69
1952-53 (Budget) ..	165.00
1952-53 (Revised) ..	177.00
1953-54 (Budget) ..	170.00

INCOME-TAX

Income-tax is levied now not only on income as ordinarily understood but also on certain capital receipts which have been included in a special definition of "income." Tax at the rate fixed for the year of assessment is charged on the income of the "previous year." Both income-tax and super-tax are levied according to the slab system.

The more recent trend of collections is given below:—

1949-50 Accounts ..	Rs. 161.11 crores
1950-51 Accounts ..	173.22 ..
1951-52 Accounts ..	146.19 ..
1952-53 Revised ..	130.17 ..
1953-54 Budget ..	123.38 ..

While the Corporation tax accrues in its entirety to the Centre, the net proceeds of income-tax, except the tax attributable to Central emoluments and Centrally administered areas and any Central surcharge, are divisible between the Centre and the Parts A and B States. The percentage to be assigned to the States has to be prescribed by the President by order after considering the recommendations

of the Finance Commission. The Finance Commission recommended the States' share to be 55 per cent as against 50 per cent hitherto. Accordingly, the percentage shares of individual States in this 55 per cent is as follows:—

Assam 2.25, Bihar 9.75, Bombay 17.50, Hyderabad 4.50, Madhya Bharat 1.75, Madhya Pradesh 5.25, Madras 15.25, Mysore 2.25, Orissa 3.50, PEPSU 0.75, Punjab 3.25, Rajasthan 3.50, Saurashtra 1.00, Travancore-Cochin 2.50, Uttar Pradesh 15.75 and West Bengal 11.25.

The Amendment Act of 1953 exempts foreign profits brought into India, grants further relief in the matter of double taxation, allows higher depreciation and further concessions to new undertakings and buildings, confers right to carry forward unadjusted loss, prescribes six

new exemptions relating to miscellaneous items, and exempts accumulated income from charities. Persons leaving India are, under the law, required to obtain a tax clearance, or tax exemption certificate. In order to reduce the disparity between a foreign company operating through a wholly Indian subsidiary and a foreign company working through its branches in India, the Finance Act of 1953 reduced the super-tax rebate to a foreign company in respect of income other than dividends received from a wholly subsidiary Indian company from one anna to six ples per rupee and the rate of super-tax rebate in respect of dividends received from such subsidiaries was increased to one anna six ples per rupee.

The Income-Tax Investigation Commission submitted its report on the existing law of income-tax towards the end of 1948 and the same was

published towards the end of 1949. A summary of the principal recommendations were given in a previous edition.

The total references about tax evasion to the Commission numbered 1,540 up to the end of 1951. Of these 661 were disposed of. The Commission, in its report for 1951, complains that "many cases which really deserved reference had been omitted for one reason or another while many had been referred which are comparatively insignificant." It says that the machinery of investigation has gathered momentum. The total amount of concealment reported in cases disposed of is Rs. 29.16 crores while the settlement basis is Rs. 25.41 crores. In its opinion "the scope for making concealed profits has not in any manner lessened after 1947". It therefore urges Government to organise an inquiry branch to locate cases of tax dodging.

GUIDE TO TAXES ON INCOME (1953-54)

Part I.

RATES OF INCOME-TAX

A. In the case of every individual, Hindu undivided family, unregistered firm and other association of persons, not being a case to which paragraph B or C of this Part applies—

	Rate	Surcharge
1. On the first Rs. 1,500 of total income.	Nil	Nil
2. On the next Rs. 3,500 of total income.	Nine ples in the rupee.	1/20th of the rate specified in the preceding column.
3. On the next Rs. 5,000 of total income.	One anna and nine ples in the rupee.	—Do.—
4. On the next Rs. 5,000 of total income.	Three annas in the rupee.	—Do.—
5. On the balance of total income.	Four annas in the rupee.	—Do.—

Provided that—

- (i) no income-tax shall be payable on a total income which, before deduction of the allowance, if any, for earned income, does not exceed the limit specified below;
- (ii) the income-tax payable shall in no case exceed half the amount by which the total income (before deduction of the said allowance, if any, for earned income) exceeds the said limit;
- (iii) the income-tax payable on the total income as reduced by the allowance for earned income shall not exceed either—
 - (a) a sum bearing to half the amount by which the total income (before deduction of the allowance for earned income) exceeds the said limit the same proportion as such reduced total income bears to the unreduced total income, or
 - (b) the income-tax payable on the income so reduced at the rates herein specified,—whichever is less.

The limit referred to in the above proviso shall be—

- (1) Rs. 8,400 in the case of every Hindu undivided family which satisfies as at the end of the previous year either of the following conditions, namely:—

- (a) that it has at least two members entitled to a share on partition who are not less than 18 years of age; or
- (b) that it has at least two members entitled to a share on partition neither of whom is a lineal descendant of the other and both of whom are not lineally descended from any other living member of the family; and

- (2) Rs. 4,200 in every other case.

B. In the case of every company, not being a company to which paragraph C of this Part applies—

	Rate	Surcharge
On the whole of total income	Four annas in the rupee.	1/20th of the rate specified in the preceding column.

Provided that in the case of a company which, in respect of its profits liable to tax under the Income-Tax Act for the year ending on March 31, 1954, has made the prescribed arrangements for the declaration and payment within the territory of India excluding the State of Jammu and Kashmir, of the dividends payable out of such profits, and has deducted super-tax from the dividends in accordance with the provisions of sub-section (3D) or (3E) of section 18 of that Act—

- (i) where the total income, as reduced by seven annas in the rupee and by the amount, if any, exempt from income-tax exceeds the amount of any dividends (including dividends payable at a fixed rate) declared in respect of the whole or part of the previous year for the assessment for the year ending on March 31, 1954, and no order has been made under sub-section (1) of section 23A of the Income-Tax Act, a rebate shall be allowed at the rate of one anna per rupee or the amount of such excess;
- (ii) where the amount of dividends referred to in clause (i) above exceeds the total income as reduced by seven annas in the rupee and by the amount, if any, exempt from income-tax, there shall be charged on the total income an additional income-tax equal to the sum, if any, by which the aggregate amount of income-tax actually borne by such excess (hereinafter referred to as "the excess dividend") falls short of the amount calculated at the rate of five annas per rupee on the excess dividend.

For the purposes of the above proviso, the expression "dividend" shall have the meaning assigned to it in clause (6A) of section 2 of the Income-tax Act, but any distribution included in that expression, made during the year ending on the 31st day of March, 1954, shall be deemed to be a dividend declared in respect of the whole or part of the previous year.

For the purposes of clause (ii) of the above proviso, the aggregate amount of income-tax actually borne by the excess dividend shall be determined as follows:—

- (i) the excess dividend shall be deemed to be out of the whole or such portion of the undistributed profits of one or more years immediately preceding the previous year as would be just sufficient to cover the amount of the excess dividend and as have not likewise been taken into account to cover an excess dividend of a preceding year;
- (ii) such portion of the excess dividend as is deemed to be out of the undistributed profits of each of the said years shall be deemed to have borne tax,—
 - (a) if an order has been made under sub-section (1) of section 23A of the Income-tax Act, in respect of the undistributed profits of that year, at the rate of five annas in the rupee, and
 - (b) in respect of any other year, at the rate applicable to the total income of the company, for that year reduced by the rate at which rebate, if any, was allowed on the undistributed profits.

C. In the case of every local authority and in every case in which, under the provisions of the Income-tax Act, income-tax is to be charged at the maximum rate—

	Rate	Surcharge
On the whole of total income	Four annas in the rupee.	1/20th of the rate specified in the preceding column.

Part II.
RATES OF SUPER-TAX

A. In the case of every individual, Hindu undivided family, unregistered firm and other association of persons, not being a case to which any other paragraph of this Part applies—

—	Rate	Surcharge
1. On the first Rs. 25,000 of total income.	<i>Nil</i>	<i>Nil</i>
2. On the next Rs. 15,000 of total income.	Three annas in the rupee	1/20th of the rate specified in the preceding column.
3. On the next Rs. 15,000 of total income.	Four annas in the rupee	—Do.—
4. On the next Rs. 15,000 of total income.	Six annas in the rupee	—Do.—
5. On the next Rs. 15,000 of total income.	Seven annas in the rupee	—Do.—
6. On the next Rs. 15,000 of total income.	Seven and a half annas in the rupee.	—Do.—
7. On the next Rs. 50,000 of total income.	Eight annas in the rupee	—Do.—
8. On the balance of total income.	Eight and a half annas in the rupee.	—Do.—

B. In the case of every local authority—

—	Rate	Surcharge
On the whole of total income	Two and a half annas in the rupee	Three ples in the rupee.

C. In the case of an association of persons being a co-operative society (other than the Sankatta Saltownera' Society in the State of Bombay) for the time being registered under the Co-operative Societies Act of 1912, or under any law of a State governing the registration of co-operative societies—

—	Rate	Surcharge
1. On the first Rs. 25,000 of total income.	<i>Nil</i>	<i>Nil</i>
2. On the balance of total income	Two and a half annas in the rupee	Three ples in the rupee.

D. In the case of every company—

—	Rate
On the whole of total income	Four and three-quarter annas in the rupee.

Provided that—

(i) a rebate at the rate of three annas per rupee of the total income shall be allowed in the case of any company which—

(a) in respect of its profits liable to tax under the Income-tax Act for the year ending on the 31st day of March 1954, has made the prescribed arrangements for the declaration and payment in the territory of India excluding the State of Jammu and Kashmir of the dividend payable out of such profits and for the deduction of super-tax from dividends in accordance with the provisions of sub-section (3D) or (3E) of section 18 of that Act, and

(b) is a public company with total income not exceeding Rs. 25,000;

(ii) a rebate at the rate of two annas per rupee of the total income shall be allowed in the case of any company which satisfies condition (a), but not condition (b), of the preceding clause; and

(iii) a rebate at the rate of one anna six ples per rupee on so much of the total income as consists of dividends from a subsidiary Indian company, and a rebate at the rate of six ples per rupee on any other income included in the total income shall be allowed in the case of any company which, not being entitled to a rebate under the preceding clauses is—

(a) a public company the shares of which were offered for sale in a recognised stock exchange at any time during the previous year, or

(b) a company all of whose shares were held at the end of the previous year by one or more such public companies as aforesaid:

Provided further that the super-tax payable by a company the total income of which exceeds Rs. 25,000 shall not exceed the aggregate of—

- (a) the super-tax which would have been payable by the company if its total income had been Rs. 25,000, and
(b) half the amount by which its total income exceeds Rs. 25,000.

Explanation.—For the purposes of this paragraph of this Part, a company shall be deemed to be a public company only if it is neither a private company within the meaning of the Indian Companies Act, 1913, nor a company in which shares carrying more than fifty per cent. of the total voting power were, at any time during the previous year, held or controlled by less than six persons.

ESTATE DUTY

The question of levying an estate duty had been before the Government of India since 1946 when a bill was first introduced. This as well as the one introduced in 1948 lapsed. In August 1952, a third bill was introduced* with the object of imposing an estate duty on property passing or deemed to pass on the death of a person. The underlying idea is to rectify to a large extent unequal distribution of wealth and to assist the States towards financing their development schemes. The Bill was passed in Parliament in September 1953.

The main features of the Bill are that the levy of duty depends on the domicile of the deceased, the power to assess duty is vested in the Controller of Estate Duty, and the scale of duties is stipulated in the law itself. In Bombay, Madhya Pradesh, Orissa, Uttar Pradesh, Hyderabad, Rajasthan, Punjab, Madhya Bharat and Saurashtra and all Part C States the duty is leviable on agricultural land as well. Like the Income-tax law, this legislation also provides for exemption limits and defines what items are eligible for exemption and to what extent.

The minimum exemption limit provided in the Bill is Rs. 50,000 in respect of property which consists of an interest in the joint family property of a Hindu family governed by the Mitakshara Marumakkattayam or Aliyasana Law and Rs. 100,000 in respect of all other property. The rates of duty are given below :—

Principal Value of Estate.	Rate of Duty.
<i>In the case of Joint Hindu Family property governed by Mitakshara, etc., law.</i>	
On the first Rs. 50,000	<i>Nil</i>
On the next Rs. 50,000	5%
On the next Rs. 50,000	7½%
On the next Rs. 50,000	10%
On the next Rs. 1 lakh	12½%
On the next Rs. 2 lakhs	15%
On the next Rs. 5 lakhs	20%
On the next Rs. 10 lakhs	25%
On the next Rs. 10 lakhs	30%
On the next Rs. 20 lakhs	35%
On the balance	40%
<i>In the case of property of any other kind :</i>	
On the first Rs. 1 lakh	<i>Nil</i>
On the next Rs. 50,000	7½%
On the next Rs. 50,000	10%
On the next Rs. 1 lakh	12½%
On the next Rs. 2 lakhs	15%
On the next Rs. 5 lakhs	20%
On the next Rs. 10 lakhs	25%
On the next Rs. 10 lakhs	30%
On the next Rs. 20 lakhs	35%
On the balance	40%
<i>In the case of shares held by a deceased member in any such company referred to in sub-section (1) of Section 81.</i>	
If the principal value of the shares does not exceed Rs. 5,000	<i>Nil</i>
If the principal value of the shares exceeds Rs. 5,000	7½%

SALES TAX

Sales tax is an alternative source of revenue consequent on the introduction of prohibition in the States. It is an important feature of the provincial revenues throughout the country. In West Bengal and Bihar the single-point sales tax has been favoured. Bombay switched over to the multi-point sales tax in 1953-54 but contemplates to have two-point sales tax. A broad idea of the receipts from sales tax can be had from the following table :—

—	Receipts in lakhs of Rs.	
	1951-52 (Accounts)	1952-54 (Budget)
Madras	15.59	14.00
Bombay	11.88	14.00
Madhya Pradesh	2.32	2.12
Uttar Pradesh	4.80	5.24
Bihar	4.09	2.70
Assam	76	71
Orissa	1.11	1.00
Punjab	1.68	1.78
West Bengal	5.62	5.58

* The Estate Duty Act, 1953 came into force on Oct. 15, 1953.

POST-WAR REVIEW

The war meant a change to Indian finance. To understand the implications of the change it may be noted, that (a) the aggregate war expenditure in undivided India, including recoverable war expenditure during the period 1939-40 to 1945-46 came to Rs. 3,484 crores, India's share being Rs. 1,744 crores or about 50 per cent and (b) that the overall Governmental India's public revenue, expenditure and debt outlay (war and civil expenditure) amounted to Rs. 8,996 crores of which Rs. 1,462 crores or 37 per cent was met out of revenue, the balance being partly reflected in the accumulation of sterling balances and partly in the addition to India's public debt which increased by Rs. 1,077 crores.

Following the end of the war, the budget for 1946-47 was designed to face the impact of a steep fall in defence expenditure. The revenue was placed at Rs. 311.65 crores and expenditure at Rs. 355.71 crores. On the other hand, the budget for the following year was aimed at social objectives. Immediately after the partition, the emphasis was again shifted to incentives. The keynote of the budget for 1949-50 was to check inflation and to allay the fears of business men and investors.

POST-INDEPENDENCE FINANCE

The Constitution of India declaring India a Sovereign Republic was made effective from January 26, 1950. It provides that the annual financial statement to be submitted to Parliament will show separately (1) expenditure charged upon the Consolidated Fund of India and (2) other expenditure proposed to be made from the same Fund and will distinguish expenditure on revenue account from other expenditure. All revenues received by the Government of India and all loans raised by that Government and all moneys received in payment of loans will constitute the Consolidated Fund of India. All other public moneys received shall be credited to the public account. Parliament may establish a Contingency Fund which will be at the disposal of the President for making advances for meeting unforeseen expenditure pending its authorisation by Parliament.

The financial provisions in the Constitution divide the field of taxation between the Union and States.* The Union List covers (1) taxes on income other than agricultural income, (2) customs duties, (3) duties of excise on tobacco and other goods produced in India except alcoholic liquors, opium, Indian hemp and other narcotic drugs and narcotics but including medicinal and toilet preparations containing alcohol, (4) corporation tax, (5) taxes on the capital value of the assets, exclusive of agricultural land, of individuals and companies and on the capital of companies, (6) estate duty on property other than agricultural land, (7) duties in respect of succession to property other than agricultural land, (8) terminal taxes, (9) taxes other than stamp duties on transactions on stock exchanges and futures markets, (10) rates of stamp duty on bills of exchange, cheques, promissory notes, bills of lading, letters of credit, insurance policies, transfer of shares, debentures, proxies and receipts, and (11) taxes on the sale or purchase of newspapers and on advertisements published therein.

The financial provisions of the Constitution of India closely follow the Government of India Act, 1935. It enumerates in three separate lists the

Union, State and Concurrent subjects of legislation. Residuary powers of legislation vest in the Union Parliament. The items in the respective lists are broadly the same as under the Government of India Act, 1935. There are some changes in the division of tax resources between the Union and the States. Article 286 of the Constitution restricts the powers of the States in regard to sales tax with a view to ensuring uniformity in the principles governing the tax which, however, will be levied and administered by the States. A State Government cannot impose a tax on the sale or purchase of goods outside the State or if it concerns India's foreign trade or inter-State trade or if the goods in question are declared by Parliament to be essential to the life of the community. Taxation on the sale or purchase of newspapers and of advertisements published in them is included among taxes levied and collected by the Union but the proceeds will be assigned to the States. No changes are made in the sharing of income-tax proceeds. A prescribed percentage of the net proceeds from taxes on income other than agricultural income (exclusive of the corporation tax, taxes payable in respect of Union emoluments and proceeds attributable to Part C States) shall be assigned to the States in which they are levied. The limit of the total amount of the tax on professions, trades, callings and employments payable by any one person to a State or to a local authority is raised from Rs. 50 to Rs. 250 per annum. The provision that, if Parliament by law so provides, the whole or any part of the net proceeds of an excise duty levied and collected by the Union may be paid over to the States, is retained. The Union retains the power to levy surcharges on certain taxes for purposes of the Union.

The jute-growing States are no longer entitled to a specified share of the net proceeds of the export duty on jute or jute products. Under Article 273 of the Constitution, the jute duty is assigned wholly to the Centre; the States of West Bengal, Assam, Bihar and Orissa will receive, however, grants-in-aid, so long as the jute export duty is levied or for a period of 10 years, whichever is earlier. As under Section 142 of the Government of India Act, 1935, Article 275 of the Constitution of India provides for general grants-in-aid to such States as Parliament may determine to be in need of assistance; the amount of the aid may vary as between States and from year to year. The Article provides for grants-in-aid to States in respect of approved schemes of development for promoting the welfare of Scheduled Tribes or for raising the level of administration of the Scheduled Areas and for grants-in-aid to Assam of sums equivalent to (1) the average excess of expenditure over revenues during the two years immediately preceding the commencement of the Constitution in respect of the administration of (specified) tribal areas, and (2) the costs of such schemes of development as may be undertaken by that State, with the approval of the Government of India, for raising the level of administration of the said areas to that of the administration of the rest of the areas of the State.

The provisions relating to borrowing remain unaltered. The executive power of the Union extends to borrowing upon the security of the Consolidated Fund of India within such limits, if any, as may be fixed by Parliament and the giving of guarantees within such limits as may be fixed. A State can borrow within the territory of India on the security of the Consolidated Fund of the State. The Government of India may

make loans to any State or give guarantees in respect of loans raised by a State. Prior consent of the Government of India is necessary for a State to raise a loan, if there is still outstanding any part of a loan made to it by the Government of India or in respect of which a guarantee has been given by the Government of India. In giving such consent, the Government of India may impose any conditions they may deem necessary.

INDIAN STATES' FINANCE

The Government of India appointed on October 22, 1948 a Committee of experts to inquire into the finances of Indian States and Unions of States with a view to facilitating their financial integration. The Committee was composed of Sir V. T. Krishnamachari, Chairman, Mr. S. K. Patil and Mr. N. Dandekar. The summary of its recommendations, which were accepted by Government is given in the previous edition.

As a result of the Government of Part C States Act, 1951, Coorg, Himachal Pradesh, Vindhya Pradesh, Delhi, Bhopal and Ajmer have had their own legislatures from April 1952. Each of the States consequently has a Consolidated Fund of its own into which the revenues and receipts received in that State and belonging to it are paid and from which the expenditure of the State is met. In respect of Delhi State, however, the Act makes a reservation in respect of police, public order and lands and buildings in Delhi and New Delhi the receipts in respect of which as well as expenditure will still be included in the Central budget.

These States, however, have not been placed in the same autonomous position in regard to their finances as Part A or Part B States; their balances have not been separated from those of the Central Government and their capital requirements and the debt, deposit and remittance transactions are still included in the Central budget. A grant-in-aid is given, where necessary, to these States for balancing their budgets and keeping an adequate working balance in their Consolidated Funds. As the provisions of Part XII of the Constitution do not apply to Part C States, they do not receive any share of the net proceeds of income-tax or other divisible heads of the Central revenue like the Part A and the Part B States.

In April 1953 the Government of India appointed a Taxation Inquiry Commission with Dr. John Matthai as Chairman. The terms of reference, settled in consultation with the State Governments, are: (1) to examine the incidence of Central, State and Local taxation on various classes of people and in different States; (2) to examine the suitability of the present system of taxation—Central, State and Local—with reference to (a) the development programme of the country and the resources required for it and (b) the objective of reducing inequalities of income and wealth; (3) to examine the effects of the structure and level of taxation of income on capital formation and maintenance and development of productive enterprise; (4) to examine the use of taxation as a fiscal instrument in dealing with inflationary or deflationary situations; (5) to consider other relevant matters; and (6) to make recommendation in particular with regard to (a) modifications required in the present system of taxation and (b) fresh avenues of taxation.

* See also the report of the Finance Commission.

REPORT OF THE FINANCE COMMISSION*

THE Finance Commission consisting of Mr. K. C. Neogy (Chairman), Mr. V. P. Menon, Mr. Justice R. Kaushalendra Rao, Dr. B. K. Madan, and Mr. M. V. Rangachary (member-secretary) was set up by the President by an order dated 22nd Nov., 1951. The report was presented to the House of the People on 13th Feb., 1953.

The Chairman assumed office on 30th Nov., 1951. Mr. V. P. Menon, resigned his office on 18th Feb., 1952 and the President appointed Mr. V. L. Mehta in his place.

Pending final recommendations the Commission proposed on 10th Dec., 1951 that (1) in regard to the States' share of income-tax or of grants the position existing in 1951-52 should be maintained, (2) the decisions taken on the final recommendations should have effect from the year 1952-53, and (3) grants made to Part A States into which former Indian States territory is merged under sub-clause (1)(b) of Article 278 of the Constitution might also be continued during 1952-53 but treated as provisional and readjusted in the light of final recommendations.

The final recommendations are effective for a period of five years, ending 31st March, 1957. They are summarized as follows:

1. The percentage of net proceeds of income-tax to be allocated to States should be raised from 50 per cent to 55 per cent.

2. The proceeds of the income-tax assigned to the States should be distributed as follows in percentage: Assam 2.25, Bihar 9.75, Bombay 17.50, Hyderabad 4.50, Madhya Bharat 1.75, Madhya Pradesh 5.25, Madras 15.25, Mysore 2.25, Orissa 3.50, PEPsU 0.75, Punjab 3.25, Rajasthan 3.50, Saurashtra 1.00, Travancore-Cochin 2.50, Uttar Pradesh 15.75, West Bengal 11.25.

3. The share of the proceeds of the income-tax of Part C States should be raised from one per cent to two and three-quarters per cent.

4. Forty per cent of the net proceeds of the duties on tobacco (including cigarettes, cigars, etc.), matches and vegetable products should be

allocated to the States (in proportion to the population) and distributed as follows in percentage: Assam 2.61, Bihar 11.60, Bombay 10.37, Hyderabad 5.39, Madhya Bharat 2.29, Madhya Pradesh 6.13, Madras 16.44, Mysore 2.62, Orissa 4.22, PEPsU 1.00, Punjab 3.66, Rajasthan 4.41, Saurashtra 1.19, Travancore-Cochin 2.68, Uttar Pradesh 18.23, West Bengal 7.16.

5. The grants-in-aid payable to the jute-growing States with effect from 1952-53 are as follows: West Bengal Rs. 150 lakhs, Bihar Rs. 75 lakhs, Assam Rs. 75 lakhs, Orissa Rs. 15 lakhs.

6. As regards grants-in-aid to States which may be in need of assistance on any account:

(a) The following States do not need any assistance: Madras, Uttar Pradesh, Bihar, Madhya Pradesh, Hyderabad, Rajasthan, Madhya Bharat and PEPsU.

(b) Bombay, West Bengal, Orissa and Saurashtra are marginal cases. Bombay has a well developed economy, a large budget and resilient resources. There is also no restriction now in taxing tobacco and the State is free to raise additional revenue from this source. No grant-in-aid is therefore necessary.

West Bengal: A grant-in-aid of Rs. 80 lakhs a year because of the result of partition and the problem of refugees.

Orissa: Rs. 75 lakhs, because of the merged areas, the existence of Scheduled Tribes, backward classes.

Saurashtra: Rs. 40 lakhs, because of the size of the State, and its budget.

(c) Punjab: Rs. 125 lakhs because of the law and order problem arising from partition.

(d) Assam: Rupees One crore because of special difficulties arising from partition.

In the case of West Bengal, Assam and Punjab it is assumed that the expenditure on displaced persons will continue to be borne mainly by the Centre.

(e) Mysore: Rs. 40 lakhs because of limited resources.

(f) Travancore-Cochin: Rs. 45 lakhs because of limited resources.

7. In respect of grants-in-aid for primary education the following sums should be distributed among eight States in proportion to the number of children of school-going age not attending school at present

(In lakhs of rupees)

	1953-54	1954-55	1955-56	1956-57
Bihar	41	55	60	83
Madhya Pradesh	25	33	42	50
Hyderabad	20	27	33	40
Rajasthan	20	26	33	40
Orissa	16	22	27	32
Punjab	14	19	23	28
Madhya Bharat	9	12	15	18
PEPsU	5	6	8	9
TOTAL	150	200	250	300

* For recommendations of the Gadgil Committee report on assistance to Part B States see end of article.

8. The grants now being paid to the States of Bombay, Madhya Pradesh and Madras for refraining from the taxation of tobacco should be discontinued with effect from the 1st April, 1953.

9. The "revenue gap grants" now being paid to the States of Bihar, Bombay, Madhya Pradesh and West Bengal in respect of the "merged areas" should be discontinued with effect from the 1st April, 1952.

10. The Commission made two further recommendations: one relating to the setting up of a small organisation to study State finances and the other for improving the available statistics in regard to income-tax. This organisation, the Commission suggests, should preferably be a part of the Secretariat of the President and make a continuous study of the finances of the State Governments so that whenever future Finance Commissions are constituted they will have sufficient material available to them at the

very commencement of their inquiry. This organisation should work in close liaison with the Finance Ministry.

The tables below compare what each State might on an average expect to receive under the Commission's recommendations (second table), with the corresponding sums Part A States received during the three years ending 1951-52, and Part B States during the two years ending 1951-52 (first table):

AVERAGE FOR THE PERIOD 1940-50 TO 1951-52

(In lakhs of rupees)

	Share of income- tax	Grants-in- aid under Article 273	Grants-in-aid under sub- stantive portion of Article 275 (1)	"Revenue Gap Grants"	Total
Assam	1.45	48	30	....	2.21
Bihar	6.14	30	....	2	6.55
Bombay	10.18	....	....	1.42	11.60
Hyderabad .. .. .	....	....	....	1.25	1.25
Madhya Bharat	6	....	....	....	6
Madhya Pradesh	2.91	....	....	44	3.35
Madras	8.56	....	....	....	8.56
Mysore .. .. .	....	....	....	3.45	3.45
Orissa	1.44	6	40	11	2.01
PEPsU	16	....	....	....	16
Punjab	2.59	....	84†	....	3.43
Rajasthan	10	....	....	....	10
Saurashtra .. .. .	....	....	....	2.75	2.75
Travancore-Cochin .. .. .	....	....	....	3.22	3.22
Uttar Pradesh	8.88	....	....	....	8.88
West Bengal	6.32	1.14	....	8	7.54
TOTAL	48.79	2.05	1.54	12.74	65.12

† Discontinued from 1951-52. The grants-in-aid to Punjab were *ad hoc*.

UNDER THE COMMISSION'S SCHEME

(In lakhs of rupees)

	Share of Income- tax and Union Excise	Grants-in- aid under Article 273	General Grants-in- aid under substantive portion of Article 275 (1)	"Revenue Gap Grants"	Total	Primary Education Grants	Grand Total
Assam ..	1.70	75	1.00	..	3.45	..	3.45
Bihar ..	7.30	75	..	..	8.05	50	8.55
Bombay ..	11.25	..	..	..	11.25	..	11.25
Hyderabad ..	3.35	..	..	..	3.35	24	3.59
Madhya Bharat ..	1.35	..	..	..	1.35	11	1.46
Madhya Pradesh ..	3.90	..	..	..	3.90	30	4.20
Madras ..	11.10	..	..	..	11.10	..	11.10
Mysore ..	1.70	..	40	1.58*	3.68	..	3.68
Orissa ..	2.65	15	75	..	3.55	19	3.74
PEPSU ..	60	..	..	..	60	5	65
Punjab ..	2.40	..	1.25	..	3.65	17	3.82
Rajasthan ..	2.65	..	..	..	2.65	24	2.89
Saurashtra ..	75	..	40	1.87*	3.02	..	3.02
Travancore- Cochin ..	1.80	..	45	98*	3.23	..	3.23
Uttar Pradesh ..	11.70	..	..	..	11.70	..	11.70
West Bengal ..	7.30	1.50	80	..	9.60	..	9.60
TOTAL ..	71.50	3.15	5.05	4.43	84.13	1.80	85.93

* As the share of the divisible taxes of these States is expected to be less than the Guaranteed Revenue Gap Grants the States will receive the latter. The balance of these grants after allowing for the share of these divisible taxes is shown in this column.

Note 1. Assam and the other States with Scheduled Areas and Scheduled Tribes will in addition receive grants under the two provisos to Article 275(1) of the Constitution. Assam will also receive Rs. 40 lakhs under sub-clause (a) of the Second proviso to Article 275(1).

Note 2. In addition to the share of revenues under the Commission's scheme the States will also receive the outstanding arrears of their share of income-tax in respect of the period before the 1st April 1952. The budget for 1952-53 assumes that these arrears will be Rs. 5 crores and, if the actual amount is of this order, Madras will receive Rs. 87 lakhs, Bombay Rs. 105 lakhs, West Bengal Rs. 68 lakhs, Uttar Pradesh Rs. 90 lakhs, Punjab Rs. 27 lakhs, Bihar Rs. 63 lakhs, Madhya Pradesh Rs. 30 lakhs, Assam Rs. 15 lakhs and Orissa Rs. 15 lakhs.

The Commission kept three main considerations in view, first, the additional transfer of resources from the Centre must be such as the Centre could bear without undue strain on its resources, taking into account its responsibility for such vital matters as the defence of the country and the stability of its economy; second, the principles for the distribution of grants-in-aid must be uniformly applied to all the States; and last, the scheme of distribution should attempt to lessen inequalities between States.

The main considerations in determining the distribution of income-tax were (a) general population, and (b) contribution.

GADGIL COMMITTEE

A Committee of Enquiry consisting of Mr. N. V. Gadgil (Chairman), Mr. S. V. Ramamurthy and Mr. B. C. Ghose was appointed by a resolution of the Government of India dated April 28, 1953 to enquire into any special assistance that Part B States might need.

The findings of this Committee were made public on December 24, 1953.

The recommendations are as follows:

Assistance should take the form of an outright grant of Rs. 4 crores out of the Central assistance envisaged in the Five-Year Plan of these States, in addition to whatever grants it has already been decided to give, and an *ad hoc* grant of Rs. 4 crores to be allotted during the next two years.

The *ad hoc* grant is to be spent on administrative buildings and for providing link roads and public health services in the rural areas.

In order to strengthen the administrative machinery of these State Governments, the Committee has suggested that each of them may be provided with two senior officers, one specially competent to deal with general administration and the other with development, so that their services may be utilised as Chief Secretary and Development Commissioner respectively.

It is also suggested that, in the initial stages of planning and development in each of these States, a Planning and Development Board may be entrusted with the planning and implementation of the State plans.

The outright grant of Rs. 4 crores recommended by the Committee is to be distributed as follows:

Rajasthan, Rs. 1,50,00,000; Saurashtra and Madhya Bharat, Rs. 1,00,00,000 each; and PEPSU, Rs. 50,00,000.

The additional sum of Rs. 4 crores recommended as an *ad hoc* grant is to be distributed in the following proportion:

Rajasthan, Rs. 1,50,00,000; Madhya Bharat, Rs. 1,00,00,000; Saurashtra, Rs. 90,00,000 and PEPSU, Rs. 60,00,000.

The Government of India has decided to accept the financial recommendations of the Committee on the condition that the State Governments, on their part, accept and implement the recommendations on administrative matters.

The following table shows the financial assistance given by the Central Government during the years 1950 to 1952. The total figure (Rs. in lakhs) includes grant-in-aid, loan, share of income tax or revenue gap grant whichever is greater.

	1950	1951	1952
Rajasthan ..	127	218	583
Madhya Bharat ..	65	86	317
Saurashtra ..	428	410	500
PEPSU ..	131	147	196

INDUSTRIAL STRUCTURE

INDUSTRIAL production in India has been maintaining an upward trend in many directions since independence in August 1947.

The interim index of industrial production, with 1946 as the base, advanced from 97.2 in 1947 to 108.4 in 1948, slightly receded to 106.1 in the following year and further to 105.0 in 1950 mainly because of the heavy fall in the output of cotton textiles, but it advanced sharply to 117.2 in 1951. In 1952 it stood at 128.7.

An elaborate census of Indian manufactures covering 29 groups of industries has been in progress since 1949. The industries covered by the census are wheat flour, rice milling, biscuit making, fruit and vegetable processing, sugar, distilleries and breweries, starch, vegetable oils, paints and varnishes, soap, tanning, cement, glassware, ceramics, plywood, paper and paperboard, matches, cotton textiles, woollen textiles, jute textiles, chemicals, drugs and pharmaceuticals, non-ferrous metals, iron and steel, bicycles, sewing machines, producer gas plants, electric pumps, electric fans and general and electrical engineering.

The latest report covers these industries for 1950. The following picture has emerged :—

	1949	1950
No. of Factories	6,300	6,328
Fixed Capital (Rs. Crores) .	228	235
No. of emp. 'ees (million) .	1.7	1.527
Wages and Salaries (Rs. Crores)	178	162
Materials Consumed (Rs. Crores)	704	719.6
Value of Products (Rs. Crores)	964	989.7
Value added by manufacture (Rs. Crores) .	260	270

Industries have been further divided into durable and non-durable ones. The following industries belong to the former class : iron and steel, sewing machines, electric lamps, electric fans, general and electrical engineering, bicycles, non-ferrous metals, ply-wood and tea-chests, cement, glass and glassware and ceramics. The structure of these types of industrial units was as follows in 1950 :—

	Durable.	Non-Durable.
Number of factories .. .	2,311	4,012
Fixed capital (Rs. crores) .	72	163.8
No. of employees (lakhs) ..	3.15	12.12
Wages, salaries, etc. (Rs. crores) ..	39.3	123.0
Value of materials consumed .	102.9	616.6
Value of products .. .	167.8	822.2
Value added to manufacture ..	64.9	205.3

INDUSTRIAL POLICY

On April 6, 1948 the Government of India outlined their industrial policy in a resolution which *inter alia* stated :—

(1) The manufacture of arms and ammunition, the production and control of atomic energy, and the ownership and management of railway transport should be the exclusive monopoly of the Central Government.

(2) The State will be responsible for the establishment of new undertakings in the field of coal, iron and steel, aircraft manufacture, ship-building, manufacture of telephone, telegraph and wireless apparatus excluding radio receiving sets and mineral oils. Existing undertakings will be allowed to develop for a period of ten years and Government will give all assistance for such development. At the end of the period their position will be reviewed.

(3) Control by the State over the generation and distribution of electric power will continue.

(4) Rest of the industries will normally be open to private enterprise with varying degrees of control over location.

(5) The Central Government would investigate the extent to, and the manner in which cottage and small scale industries could be co-ordinated and integrated with large scale industries.

Towards the end of 1951 Parliament passed the Industries (Development and Regulation) Bill. The Act is now in force. The Act applies to 37 industries listed in the First Schedule to the Act.

The most important provision is the establishment of Development Councils which will deal with the problem of productivity and service to the community. On the top will be the Central Advisory Council for Industries which will advise Government on rules, directions to industrial undertakings and taking over the management of industrial concerns.

The Act provides for the registration of existing industrial undertakings and licensing of new ones.

It also empowers Government to investigate into the causes of any possible fall in the production of any concern or any deterioration in the quality of the product, and to take action.

The Act contains provisions for direct control by the Central Government in certain cases.

In the middle of 1952 a Central Advisory Council of Industries was established, consisting of 27 representatives of industry, labour, consumers and primary producers pertaining to the scheduled industries.

Upto November 1, 1952, which was the last date prescribed for registration under the Act, 3,562 undertakings had applied for registration. Of these 2,209 were found to be eligible for registration.

A Licensing Committee has also been set up consisting of representatives of the Ministries of Commerce and Industry, Finance, Railways, Production and of the Planning Commission to examine application for licences. Out of 125 applications for licences received in 1952, 81 had been considered by the Committee.

There was only one case up to 1953 Aug. in which Government ordered an investigation into the circumstances of an undertaking.

The scope of the Act was enlarged in 1953.

REGULATED INDUSTRIES

The Industries (Development and Regulation) Bill which received the assent of the President on Oct. 31, 1951 and came into force on May 8, 1952 applies to the following 37 industries :

Aircraft ; arms and ammunition ; automobiles including tractors ; agricultural implements ;

batteries, dry cells and storage ; bicycles ; coal, coke and their derivatives ; cement ; electric lamps and fans ; electric motors ; glass and ceramics ; heavy chemicals including fertilizers ; heavy machinery including ball and roller bearing, gear wheels, steam generator equipment ; hurricane lanterns ; iron and steel ; internal combustion engines ; locomotives and rolling stock ; leather and leather goods ; mathematical and scientific instruments ; motor and aviation fuel, kerosene, crude oils and synthetic oils ; machine tools ; machinery and equipment for the generation, transmission and distribution of electric energy ; non-ferrous metals including alloys ; paper including newsprint and paper board ; pharmaceuticals and drugs ; power and industrial alcohol ; power-driven pumps ; rubber goods ; radio receivers ; ships and other vessels propelled by mechanical power ; sugar ; sewing and knitting machines ; small tools and hand tools ; telephones, telegraph apparatus and wireless communication apparatus ; textiles made wholly or partly by cotton and jute ; textiles made of wool ; vanaspathi and vegetable oils.

FIVE-YEAR PLAN

The Five-Year Plan provides for completion of the various industrial projects already under implementation by the Central Government or by the State Governments.

In addition, the Central Government has a special responsibility for establishing certain defence industries.

Over the five-year period the total expenditure on the projects in the public sector amounts to Rs. 94 crores exclusive of the lump sum provision of Rs 50 crores for basic industries and transport.

The bulk of it—Rs. 83 crores—is in respect of projects directly under the Centre.

The major project is the one for iron and steel with an estimated capacity of 800,000 tons of pig iron and 250,000 tons of steel.

Others are ship building, machine tool manufacture, fertilisers at Sindri, locomotives, railway coaches, penicillin, national instruments manufacture, telephone industries, cables, salt works rare earth factory, D.D.T., and housing factory.

The State Government's projects cover (1) Mysore Iron and Steel Works, (2) a Cement factory in Uttar Pradesh, (3) NEPA Mills in Madhy-Pradesh, (4) Sursilk Ltd. in Hyderabad for spinning art silk yarn, (5) Sirpur Paper mills in Hyderabad, (6) Precision instruments factory in Uttar Pradesh, and (7) Superphosphates factory in Bihar.

In the private sector the total capital investment considered necessary for the purpose is estimated at Rs. 233 crores. Four-fifths of this would be in respect of capital goods and producer goods industries.

Roughly out of the total investment on industries in both the sectors, 26 per cent is to go into the metallurgical industries, one-fifth into petroleum refining, 16 per cent into engineering industries and 8 per cent into the manufacture of heavy chemicals, fertilisers and pharmaceuticals. Among the rest, mention may be made of textile industries (6%), cement (5%), and paperboard and news print (4%).

PRODUCTION AND PRICES

IN 1952 there was a recession in world prices of almost all agricultural commodities. In India there was an appreciable increase in the production of many industrial and agricultural commodities.

Besides the normal G. M. F. schemes, an accelerated programme of minor irrigation works estimated to cost Rs. 10 crores per year was taken

up. The programmes for the development of cotton and jute made satisfactory progress. The production of sugarcane recorded a sizeable increase from 4.9 million tons in 1948-49 to 5.9 million tons in 1951-52 in terms of gur.

The following was the trend of production of primary commodities from 1949 :—

(000)

Commodity	1949-50	1950-51	1951-52	1952-53
Cereals (Tons)	46,018	41,786	41,264	45,000
Sugar, Raw (Tons)	4,938	5,616	5,895	5,035(a)
Oilseeds (Tons)	5,142	5,103	4,791	N.A.
(a) Sesamum (Tons)	431	453	441	451
(b) Groundnut (Tons)	3,379	3,437	3,037	2,894
(c) Rape and Mustard (Tons)	793	748	900	N.A.
(d) Linseed (Tons)	411	361	309	N.A.
(e) Castorseed (Tons)	128	104	104	107
Cotton (Bales of 392 lb.)	2,628	2,971	3,134	2,908
Jute (Bales of 400 lb.)	3,089	3,301	4,678	4,695
Tea (lb.)	585,030	607,309	624,750	620,000
Coffee (Tons)	22	25	N.A.	N.A.
Rubber (Tons)	16	16	17	N.A.
Lao (md)	1,161	1,003	1,107	N.A.
Silk, Raw (lb.)	2,104	2,127	—	N.A.
Mica (cwt.)	271	320	401	N.A.
Iron Ore (Tons)	2,809	2,965	3,657	N.A.
Manganese Ore (Tons)	640	883	1,234	N.A.

(a) Second Forecast, corresponding figure for 1951-52 being 5,288 tons.

N. A.—Final production figures are not available.

INDUSTRIAL PRODUCTION, 1952

Partly in sympathy with world trends and partly due to the working of internal forces, something like a recession set in within the country in the second quarter of 1952. To prevent the fall in industrial production controls were relaxed in several directions. The restriction on imports was so planned as to give the maximum scope to the indigenous producer. Efforts to achieve an equitable distribution of scarce raw materials, indigenous or imported, were continued.

As a result, in spite of the setback experienced by particular industries, the general index of industrial production at 128.7 in 1952 was higher than in any other year since the war and showed a substantial increase over the indices for 1951 (117.2) and 1950 (106.0). A particularly favour-

able feature of this rise was that the highest monthly index (137.8) was recorded at the end of 1952 in December showing a rising tendency and even the minimum (121.5) in June was higher than the average of the previous year.

The indices for the first three months of 1953 were 131.2 for January, 136.0 for February and 129.9 for March.

The position of particular industries is discussed in the relevant chapters. It may, however, be noted that the most significant increase in production was in the cotton textile industry. The output in 1952 was a record one providing a 25 per cent increase in the *per capita* supply of cloth over 1951. The production of steel and cement was higher than in the previous year.

Significant increases were also noted under sugar, bicycles, sewing machines, electric lamps, plywood, jute goods and chemicals, the increases in percentage over 1951 being 34, 71.1, 12.5, 33.9, 24.9, 8.8 and 48.3 respectively.

RAW MATERIALS, 1952

During the year ended June 1950 efforts were continued to increase food production and about one million acres of land were reclaimed under mechanical cultivation. The total of wells and tanks newly constructed or repaired came respectively to 97,000 and 4,000, while the minor irrigation projects completed and waterlifting appliances installed numbered 14,000 and 17,000 respectively. The additional production is estimated at 7.9 lakh tons in 1948-49 and 9.5 lakh tons in 1949-50. The target for additional food output for 1950-51 was fixed at 1.7 million tons and Rs. 23.34 crores were provided for the purpose; but the actuals fell short of the target and Government appointed a committee early in 1952 to go into the question of the grow-more food campaign.

Foodgrains production in 1940-50 season increased by 1.29 million tons to 45.55 million tons in spite of the damage caused to the kharif and rabi crops by adverse season and natural calamities. The production of raw sugar rose to 4.94 million tons and of coffee to 17,236 tons. During 1950-51 season the outturn of the crops once again suffered and the loss of foodgrains was to the tune of 5.5 million tons.

Following the partition, India's cotton and jute industries continued to experience difficulties in obtaining adequate supplies of raw cotton and raw jute and efforts to reduce the country's dependence on outside supplies were initiated in 1949-50 and continued in the following years. In order to provide additional incentive to the cotton growers, the ceiling prices for cotton were raised with *Jarilla* stepped up from Rs. 620 to Rs. 770 and further to Rs. 820. As a result, an additional output of four lakh bales of cotton was secured bringing the total production in 1950-51 to 33 lakh bales. A three-year programme was initiated for raw jute with the result that the production was stepped up from 30.89 lakh bales in 1949-50 to 32.92 lakh bales in the following year and to 46 lakh bales in 1951-52. Production of five major oil-seeds rose from 4.5 million tons in 1948-49 to 5.1 million tons in 1949-50 mainly because of the price incentive.

The broad picture* of industrial production is given below :—

Industry	Unit	1948	1949	1950	1951	1952
Finished Steel	(000 Tons)	857	930	1,004	1,076	1,103
Cotton Yarn	(Million lb.)	1,447	1,360	1,175	1,304	1,450
Cotton Piece-goods	(Million yd.)	4,319	3,905	3,665	4,076	4,598
Jute Manufactures	(000 Tons.)	1,088	946†	835	875	952
Paper and Paper Board	(000 cwt.)	1,968	2,084	2,178	2,038	2,750
Sulphuric Acid	(000 cwt.)	1,600	1,989	2,050	2,139	1,921
Ammonium Sulphate	(000 Tons)	35.2	45.9	47.3	52.7	220.3
Paints	(000 cwt.)	714	618	559	670	643
Matches	(Million Gross)	26.6	26.3	26.2	28.9	30.4
Sugar	(000 Tons)	1,075	1,001	977	1,115	1,494
Cement	(000 Tons)	1,553	2,102	2,612	3,196	3,538
Salt	(000 md.)	63,528	55,620	71,316	74,376	76,860
Coal Raisings	(000 Tons)	29,820	31,452	31,992	34,308	36,228
Electricity—						
Generated	(Million kW)	4,576	4,909	5,088	5,852	6,125
Sold	(Million kW)	3,731	3,984	4,103	4,762	5,038
General Index	(1946 = 100)	106.4	106.1	105.0	117.2	128.9

* For more detailed tables see further down.

† Figures relate to the output of the members of the I. J. M. A. and one non-member mill since 1949.

The following table gives the details of production of industrial raw materials in the Indian Union, 1940-48 as well as for the pre-war year 1939 :—

Commodity	Unit	1939	1940	1947	1948
1. Oil-seeds	(000 tons)	4,811	5,148	5,117	4,502
(a) Sesamum	(")	364	323	351	335
(b) Groundnut (in shell)	(")	3,219	3,588	3,411	2,901
(c) Rape & Mustard	(")	890	792	806	735
(d) Linseed	(")	427	328	431	423
(e) Castor	(")	111	117	118	108
2. Raw Sugar	(")	2,848	4,913	5,817	4,869
3. Cotton	(000 bales)	3,601	2,168	2,188	1,767
4. Jute	(")	1,638	1,320	1,658	2,055
5. Lac	(000 md.)	1,465	1,767	972	806
6. Mica	(000 cwt.)	199	193	152	271
7. Iron Ore	(000 tons)	3,106	2,498	2,285	2,809
8. Manganese Ore	(")	845	451	467	646
9. Rubber	(")	..	16	15	16
10. Raw Silk	(000 lb.)	..	2,122	2,232	2,104

production, the official index of industrial production for 1950 stood at 105.2 as compared with 106.3 in the preceding year and 108.9 in 1948. The increase was particularly marked in the output of cement, steel, salt, diesel engines and electrical goods industries.

The year 1951 was a record thanks to the improvement in the supplies of raw materials and a more realistic price basis. Special efforts were made by Government to procure raw materials supplies through the International Materials Conference. The most outstanding development was the abolition of the control over raw jute and jute goods prices. The general index of industrial production, with 1946 as the basis, touched the spectacularly high level of 117.2. Coal output touched a new high under the stimulus of export inquiry; cotton manufacture rose by 10 per cent; paper, sugar, and chemicals showed an all round rise; and for the first time self-sufficiency was not only achieved in respect of salt but it was revealed that India could start exporting it in small quantities. The only snag was that in several newly started industries, the output still lagged considerably behind the installed capacity. Among the new lines of manufactures may be mentioned linoleum, automatic looms, carding engines and aluminium powder.

A REVIEW 1950-52

The rising trend in industrial production since 1948 was on the whole well maintained in 1950 with most of the industries recording appreciable

increases. The cotton and jute textiles and sugar industries were, however, notable exceptions, the first due to shortage of raw materials and since these had a large weightage in the computation of the general index of industrial

CENSUS OF MANUFACTURES

The following census of some selected manufactures for 1950 may be found useful.

The second column shows the number of factories reporting, the third the fixed capital in Rs. lakhs, the fourth the value of the products in Rs. lakhs, the fifth the value added by manufacture in Rs. lakhs:

	Factories	Fixed Capital	Value of products	Value added by manufacture
Cotton textiles	517	60.20	303.82	95.17
Jute textiles	107	29.81	150.85	44.65
Iron and Steel	140	23.14	56.40	25.10
General and electrical engineering	1,657	25.34	58.14	22.80
Sugar	291	14.71	79.30	21.47
Chemicals	233	13.38	31.73	13.91
Vegetable oils	979	17.70	123.81	5.40
Cement	14	7.99	13.20	5.27
Paper and paper board	37	9.73	13.03	4.92
Woollen textiles	39	1.45	11.17	4.16
Aluminium, copper and brass	232	6.32	23.38	3.39
Soap	48	2.31	13.76	3.35
Matches	46	97	6.53	3.17
Electric fans	30	95	3.56	2.21
Paints and varnishes	39	1.23	5.96	2.09
Biscuit making	75	1.26	5.72	2.08
Ceramics	53	1.93	3.44	1.90
Glass and glassware	117	2.05	4.40	1.78
Tanning	81	85	8.53	1.50
Wheat flour	71	1.91	19.07	1.25
Bicycles	22	61	1.75	92
Distilleries and breweries	41	1.54	2.25	86
Rice milling	1,365	5.92	44.35	76
Plywood and tea-chests	32	94	1.66	60
Sewing machines	6	47	90	47
Fruit and vegetable processing	21	60	1.32	43
Electric lamps	8	88	95	41
Starch	22	27	75	15
TOTAL	6,323	235.38	989.73	270.18

INDUSTRIAL CAPACITY AND PRODUCTION

Industry	No. of Units	1952	
		Installed capacity	Production
CAPITAL GOODS :			
Agricultural implements	67	25,476 tons	16,000 tons
Bollers :			
a) Industrial	1	20 nos.	6 nos.
b) Locomotive	1	90 "	41 "
Diesel Engines	12	6,324 "	4,248 "
Machine Tools	17	Rs. 1 crore worth of machine tools	Rs. 44,37,600 worth of machine tools
Power driven pumps	20	43,200 nos.	32,400 nos.
Piston Rings	1	1,800,000 "	1,425,519 "
Portable Air Conditioners	2	600 "	413 "
Refrigerators (Domestic)	2	3,600 "	600 "
Sewing Machines	2	41,496 "	50,040 "
Small Tools (Twiss Drill, Reamers, Cutters, Taps and Dies and Piles)	17	2,480,700 "	906,819 "
Textile Machinery :			
a) Ring spinning frames	2	396 "	288 "
b) Looms (Plain Calico)	2	4,200 "	1,314 "
c) Carding Engines	1	600 "	108 "
d) Grinding wheels .. .. .	..	11,19,600 lb.	8,65,200 lb
CERAMICS :			
White wares	55	16,872 tons	9,080 tons
Sanitary wares	—	2,544 "	432 "
Stone-ware	—	51,600 "	33,600 "
Glazed tiles	—	8,70,000 dozs.	3,45,600 dozs.
Refractories	—	2,00,400 tons	2,43,600 tons
Insulators (H.T.)	—	5,12,400 nos.	3,25,200 nos.
Insulators (L.T.)	—	60,08,400 "	30,78,000 "
CHEMICALS :			
Sulphuric acid	45	191,976 tons	96,072 tons
Ammonium sulphate	7	432,168 "	220,308 "
Caustic soda	10	34,944 "	17,064 "
Soda ash	2	54,000 "	44,328 "
Superphosphate	15	197,784 "	46,656 "
Chlorine liquid	6	13,512 "	6,240 "
Bleaching powder	3	7,800 "	792 "
Bichromates	9	5,916 "	1,464 "
Copper sulphate	11	1,044 "	336 "
Crude coal tar	10	92,500 "	103,000 "
Benzol motor spirit	3	1,713,600 gals.	1,317,400 gals.
Benzene	2	88,500 "	37,200 "
Toluene	3	309,500 "	288,400 "
Solvent naphtha	3	—	107,600 "
Coal tar distillation	5	70,000 tons	61,200 tons (distilled)
Light creosote	4	—	150,000 gals.
Pitch	4	—	2,500 tons
Road tars	4	—	42,000 "
Napthalene	5	950 tons	700 "
Glycerine (80 per cent) crude	7	7,200 "	5,200 "
Glycerine refined	6	3,500 "	2,300 "
Calcium lactate	3	237,400 lb.	67,400 lb.
Bromides	1	120 tons	38 tons
Phthalic anhydride	1	80 "	13 "
Carbon di-sulphide	5	2,100 "	1,229 "
Stearic acid	3	1,400 "	270 "
Sodium sulphite	2	370 "	210 "
Sodium bisulphite	2	600 "	290 "
Sodium thiosulphate	4	1,890 "	630 "
Hydro-quinone	2	21 "	4 "
Benzene hexachloride	1	500 "	70 "
CIGARETTES	20	18,000 mn.	21,000 mn.
COSMETICS :			
Tooth powder	3	767,000 lb.	327,000 lb.
Tooth paste	7	3,500,000 "	1,348,000 "
Toilet powder (other than face powder)	6	3,316,000 "	985,000 "
Face powder	6	1,596,000 "	1,113,000 "
Face cream	9	1,773,000 "	627,000 "
DRUGS :			
Caffeine	2	20,000 "	5,998 "
Strychnine	1	15,600 "	12,494 "
Shark liver oil	—	26,333 gals.	19,244 gals.
Galenicals	44	1,188,580 "	651,964 "
Lever extracts (i) oral	17	1,460,000 lb.	311,931 lb.
(ii) injectible	17	23,800,000 c.c.	10,816,514 c.c.
Sulphapyridine	1	135,000 lb.	14,207 lb.
Sulphadiazine	2	205,920 "	47,645 "

* Estimate.

Industry	No. of Units	1952	
		Installed capacity	Production
DRUGS: contd.			
Sulphathiazole	2	340,920 lb.	18,614 lb.
Nikethamide	3	2,400 "	607 "
DYESTUFFS:			
Sulphur black	1	780,000 "	17,521 "
Azo dyes	1	2,059,200 "	59,947 "
Stabilised Azoles	5	428,880 "	46,113 "
Solubilised vats	1	28,800 "	6,436 "
ELECTRICAL:			
A.C.S.R. Conductor	2	4,500 tons	2,381 tons
Cables & wires:			
a) Bare copper conductors	2	19,992 "	5,028 "
b) Winding wires	2	456 "	596 "
c) Rubber insulated cables and flexibles	2	45,000,000 yd.	32,880,000 yd.
Dry cells	4	196,560,000 nos.	130,200,000 nos.
Conduit pipes	7	7,560,000 ft.	3,894,800 ft.
Electric motors	12	200,400 H.P.	157,200 H.P.
Electric lamps	11	26,004,000 nos.	20,880,000 nos.
Electric fans	18	294,000 "	195,600 "
Electrical steel sheets	1	4,500 tons	5,183 tons
House service meters	4	185,004 nos.	39,792 nos.
Radio-receivers	15	153,096 "	71,496 "
Welding Electrodes	2	61,000,000 ft.	49,836,018 ft.
Storage battery	14	350,400 nos.	153,400 nos.
Power transformers	7	303,000 KVA	214,800 KVA
Domestic refrigerators	—	3,600 nos.	600 nos.
ENAMEL WARE	21	30,000,000 pcs.	7,690,000 pcs.
ENGINEERING:			
Abrasives	4	80,400 reams	55,200 reams
Bolts, Nuts, Rivets and Dogspikes	12	30,148 tons	16,085 tons
Building and hardware fittings (Hinges, Tower Bolts, Hasps, Staples, etc.)	18	4,888 "	1,725 "
Ball Bearings	1	600,000 nos.	416,769 nos.
Expanded Metals	4	2,940 tons	2,017 tons
Steel Belt Lacing	3	228,000 boxes	96,837 boxes
Steel Furniture	18	30,988 tons	7,215 tons
Stoves (Kerosene oil pressure)	9	111,000 nos.	25,575 nos.*
Steel Castings	10	27,000 tons	5,253 tons*
Shafting	4	3,540 "	228 "
Steel tubes	10	20,700 "	226 "
Steel structures	71	118,952 "	29,120 "
Machine screws	—	1,329,600 gross nos.	330,000 gross nos.
Twist drills	—	1,428,000 nos.	775,200 nos.
Wood screws	17	3,316,100 gross	1,805,441 gross
a) Wire Gauge	6	1,314 tons	470.05 tons*
b) Wire Netting	3	684 "	148.30 "
c) Chain Link Fencing	2	600 "	117.50 "
Zip Fasteners	1	900,000 ft.	28,025 ft.
Cement	23	3,795,600 tons	3,537,600 tons
ESSENTIAL OILS:			
Sandalwood Oil	9	334,400 lb.	59,262 lbs.
Orange oil	2	13,980 "	291 "
Geranium oil	2	4,200 "	1,083 "
Clove oil	2	18,200 "	—
Thymol crystal	1	16,800 "	2,118 "
Thyme oil	—	19,200 "	2,640 "
FOOD INDUSTRIES:			
Biscuits	129	39,920 tons	12,321 tons
Confectionary	61	52,797 "	10,004 "
Oil Milling (large units)	300	578,888 "	164,763 "
Flour milling	52	1,464,000 "	512,400 "
Cashew kernel	60	53,000 "	26,523 "
GLASS:			
Sheet glass	109	—	—
Laboratory glass	—	44,400,000 sq. ft.	9,043,200 sq. ft.
Glass shells	—	6,072 tons	1,476 tons
Other glassware	—	21,600,000 pieces	16,680,000 pieces
	—	167,748 tons	85,868 tons
INDUSTRIAL ALCOHOL:			
Rectified spirit	—	11,640,000 gals.	4,682,000 gals.
Denatured spirit	—	—	2,143,000 "
LEATHER:			
Vegetable tanned buffalo and cow hides	25	3,112,200 pcs. (expressed in terms of cow hides—2 cow hides are taken as equivalent to one buffalo hide).	1,489,717 pcs.

* Estimate.

Industry	No. of Units	1952	
		Installed capacity	Production
LEATHER—contd.			
Chrome tanned hides	16	1,976,400 hides	654,608 hides
Western type leather footwear	9	4,724,400 prs.	3,367,200 prs.
Indigenous type of leather footwear	9	Capacity varies with demand.	1,806,000 prs.
MATCHES	—	705,600 cases	608,400 cases
METALS:			
Non-ferrous alloys, such as white metals, anti-friction, bearing metals solder, gun-metals, bronze, type metals, etc.	13	68,000 tons	7,650 tons
Semi-manufactures:			
a) Brass and copper sheets, strips and circles	14	48,000 "	9,185 "
b) Aluminium sheets, circles and strips	8	8,000 "	4,982 "
c) Lead sheets	2	2,800 "	43.5 "
d) Zinc sheets	1	300 "	18.65 "
e) Electrolytic black copper rods	1	24,000 "	6,544 "
f) Brass and copper wires for non-electrical purposes	4	2,150 "	3,771 "
g) Brass and copper rods (including arsenical copper rods, bars and sections etc.)	4	3,500 "	732 "
h) Aluminium wires for ACRS	2	2,500 "	2,022* "
i) Aluminium foils	1	1,108 "	582.13 "
j) Brass copper pipes and tubes	1	360 "	39 "
k) Lead pipes	3	4,800 "	322 "
(b) Virgin metals:			
a) Aluminium	2	3,999.6 tons	3,566 "
b) Copper	1	7,200 "	6,079 "
c) Lead	1	6,000 "	1,132 "
d) Antimony	1	700 "	181 "
MISCELLANEOUS:			
Asbestos cement sheets	5	117,000 tons	87,600 tons
Belting	6	1,220 "	710 "
Crown corks	7	3,552,000 grs.	2,289,361 grs.
Clocks	4	51,638 nos.	12,575 nos.
Duplicators	3	4,800 "	1,020 "
Fire extinguishers	3	63,000 "	20,208 "
Grinding wheels	1	500 tons	388 tons
Gramophone needles	1	480 mn. nos.	2,395 mn.
Gramophones	1	21,000 nos.	10,156 nos.
Hurricane lanterns	12	4,410,000 "	3,523,200 "
Incandescent lamps	7	82,200 "	35,004 "
Razor blades	5	200,400,000 "	10,800,000 "
Refractories	25	290,599 tons	243,602 tons
Umbrella ribs	4	165,000 doz. sets	120,329 doz. sets
Mathematical Instruments (Geometry boxes only)	5	37,800 gross sets	7,449 gross sets
Oil pressure lamps	—	82,800 nos.	34,800 nos.
PAINTS AND VARNISHES	57	64,800 tons	33,172 tons
PAPER:			
Paper and Pasteboard	19	147,504 tons	137,436 tons
Printing and writing	—	—	91,356 "
Wrapping paper	—	—	21,300 "
Special varieties	—	—	2,820 "
Boards	—	—	21,720 "
PLASTICS:			
a) Injection moulding	40	—	1,560,000 gross
b) Compression moulding	2	—	3,600,000 yd.
P.V.C. plastic coated cables, wires and flexibles	6	3,280,000 yd.	930,000 "
Leather cloth	3	800 tons	296 tons
Bakelite Moulding Powder	73	171,140,000 sq. ft.	87,094,916 sq. ft.
Plywood	—	—	—
POWER ALCOHOL	19	10,920,000 gals.	7,742,400 gals.
RAYON: Viscose yarn	—	10,000,000 lb.	7,840,000 lb.
RUBBER			
Automobile tyres	2	945,600 nos.	724,450 nos.
Automobile tubes	2	945,600 "	653,750 "
Bicycle tyres	5	5,533,970 "	4,137,800 "
Bicycle tubes	5	7,845,000 "	4,180,450 "
Tractor tyres	—	9,804 "	3,852 "
Tractor tubes	—	9,804 "	5,484 "
Aero tyres	—	8,100 "	684 "
Aero tubes	—	8,100 "	984 "
Rubber footwear	20	35,523,900 prs.	22,250,700 prs.
Rubber springs	4	1,761,000 nos.	1,179,500 nos.
Rubber Hoses (except Vacuum and Radiator)	11	6,949,250 ft.	3,550,750 ft.
Fan belts	4	516,800 nos.	567,700 nos.

* Estimate.

Industry	No. of Units	1952	
		Installed capacity	Production
RUBBER <i>contd.</i>			
Dipped rubber goods	16	35,082,000 doz.	14,539,699 doz.
Radiator hoses	8	409,750 nos.	148,000 nos.
Vacuum brake hoses	3	1,110,000 "	441,600 "
Foam sponge rubber	2	753,000 lb.	629,900 lb.
SCIENTIFIC INSTRUMENTS	25	1,03,00,000 Rs.	57,54,000 Rs.
SOAP	66	193,500 tons	86,376 tons
TRANSPORT :			
Automobiles	12	70,704 nos.	{ 6,948 cars 8,340 trucks 196,956 nos.
Bicycles	6	120,000 "	{ Rs. 8,247,600 (worth of spare parts).

PRICES IN 1952-53

Food articles declined by 10 per cent, semi-manufactures by 8 per cent, manufactures by 8 per cent and miscellaneous by 16 per cent.

The average for cereals fell by 7 per cent to 444 over the year; but wheat moved up almost without interruption. Jowar, after rising from 216 in April to 226 in July, fell to 177 in October and closed the year at 207. Pulses, after a decline from 436 in April to 412 in May, advanced steadily reaching the highest level of 611 in February and closing at 507.

Other food articles declined by 19 per cent to 223 mainly as a result of lower prices of tea, sugar and gur. Coffee was, however, dearer.

The average for fibres fell by 32 per cent to 423 during the year. Cotton, which steeply declined to 367 in March 1952, recovered steadily to 466 in September and wound up the year at 446. Raw jute witnessed almost a continuous decline touching the bottom at 364 at the close of the year. Raw silk and wool opened at 364 and 307 and closed at 500 and 595 respectively.

Minerals advanced by 4 per cent owing to higher export prices of manganese and iron ores; but other items registered a heavy fall of 31 per cent to 333 as a result of a further fall in raw hides and lac. Rubber was placed higher

under Government orders with effect from October 27.

Among semi-manufactures leather improved to 437 at the close of the year after touching the lowest level of 257 in April. The average for the year was, however, 9 per cent lower at 367 than the preceding year's average. The price of mineral oils rose; but vegetable oils averaging 446 showed a fall of 29 per cent over 1951-52. Cotton yarn moved down from 498 to 446 and the yearly average was 9 per cent below the preceding year's average. Metals rose by 8 per cent because of the rise in the prices of pig iron and semis. Copper was firm but zinc ruled weak. Timber moved down rather sharply from 234 at the beginning of the year to 179 at the close.

A fall of 10 per cent was noted under textiles. Jute manufactures moved down from 548 in April 1952 to 419 in August and, after a temporary rise in the following two months, closed at 376. Cotton manufactures were down by 2 per cent over 1951-52 at 400. Rayon and silk ruled firm in the first quarter, but the subsequent trend was downward. The average for woollen manufactures was lower at 323 as compared with 394 in 1951-52. The average for metal products, on the other hand, appreciated by 13 per cent to 330 mainly on account of higher steel prices.

The miscellaneous group showed a fall of 15 per cent to 614. Vanaspathi prices were reduced and eventually decontrolled in June 1952. Pepper black advanced from 2,077 in April 1952 to 3,284 in October but had a set-back in the following two months after which prices again moved up. Chillies, turmeric and cummin were placed lower. After the March slump, cashewnuts more than regained the ground but from October they displayed weakness, the index standing at 554 at the close as compared with 562 in March 1952. Tobacco leaf stood at 818 at the close against 902 at the beginning of April 1952.

During 1952-53 Government adapted their price control policy to the changing conditions of demand and supply. Price controls were either relaxed or removed on a number of consumer goods. On the other hand, price increases were permitted in respect of pig iron, steel and rubber. The floor prices of cotton were also raised by Rs. 55.

On September 25, 1952 the Government removed the price and distribution controls over sugar of the 1952-53 season and also reduced the minimum price of sugarcane. With effect from May 1, 1952 the price of imported milo was reduced by Rs. 2 to Rs. 13 per maund and that of imported wheat by a rupee to Rs. 17-8 per maund as from March 1, 1953.

The following table gives the price trend:

(Year ended August 1939 = 100)

Average of Weeks	Food Articles	Industrial Raw Materials	Semi-manufactured Articles	Manufactured Articles	Miscellaneous Articles	General Index
1947-48	306.1	377.5	261.6	286.4	456.2	308.2
1948-49	382.9	444.8	327.3	346.1	525.2	376.2
1949-50	301.3	471.7	331.6	347.2	570.7	385.4
1950-51	416.4	523.1	348.9	354.2	707.4	409.7
1951-52	398.6	509.9	374.4	401.5	721.6	434.6
1952-53	357.8	436.9	343.8	371.8	614.1	380.6
June, 53	398.7	481.0	363.5	370.1	674.5	405.4

REVIEW OF PRICES FROM 1939

The outbreak of the Second World War in September 1939 introduced a new chapter in the history of Indian commodity prices. After an initial rise, the prices received a sharp setback following the loss of export markets; but the entry of Japan into the war made heavy calls on India's resources from the Allies and the resultant rise in note circulation aggravated inflationary pressures and the pace of the rise. The index number of wholesale prices, with the week ended August 19, 1939 equal to 100, rose to 125.6 in 1939-40, but receded in the following year by 10.8 to 114.8. Since then it advanced by 19 per cent to 137.0 in 1941-42, further by 25 per cent to 171.0 in 1942-43 and recorded the highest rise of 38 per cent in any one year during 1943-44 when it touched 236.4. During 1944-45 the price index advanced by only 7.8 to 244.2 and reached 244.9 in the following year. It was

during 1946-47 that the policy of decontrol sent up the general price index by about 11 per cent to 275.4 and further to 307.0 in 1947-48.

Price trends during 1948-49 fell into two distinct phases—a continued rise from April to July and a comparative stability during the rest of the year, with signs of a downward trend in the last quarter of the year. The latter phase was associated with the reimposition of controls, and a net contraction of Rs. 18 crores in money supply during the last eight months of the year. The general index number, with the year ended August 1939 as the base, shot up from 347.9 to 389.6 by July and then tapered off to 370.2, the average for the year being 376.2 revealing a rise of 22 per cent over the year.

With the opening of the financial year of 1949, the prices began to advance upward till the Economic Adviser's general index, which stood

at 370.2 in March 1949, touched 389.8 in September 1949 which exceeded the post-decontrol peak level reached in July 1948 and climbed to 393.3 in October 1949. The jump resulted in part from a sharp rise in the prices of certain export goods, in particular, tea, black pepper, oils and oil-seeds. Following the devaluation of the rupee, the Government of India adopted an eight-point anti-inflationary programme including a voluntary cut in the prices of manufactured goods and brought down the price index from 393.3 in October to 381.3 in December 1949. These efforts, however, proved temporary and practically the whole of the improvement of the preceding two months was lost by the close of March 1950, the general index moving up to 392.4 in March. The average for the year worked out at 385.4 as against 376.2 in 1948-49.

The uptrend in the general price level noticed during the closing quarter of 1949-50 gathered further momentum in the following year, particularly in the latter half. The continuation of the gradual rise in prices since devaluation was accelerated with the outbreak of the Korean war and prices reached a peak at 438.6 in March 1951 recording a rise of 11.8 per cent over the year as against a rise of 6.0 per cent in 1949-50. The rise was, however, less marked than that in the U.K. and the U.S. where the increase was as much as 27.4 per cent and 20.3 per cent respectively.

To meet the situation, the Finance Minister enunciated in August 1950 an eight-point programme outlining the major objectives of Government's economic and financial policy, which envisaged measures to hold the price line and to ensure, through increased production, economies and larger supplies, that the inflationary pressures did not get out of hand. Steps were taken to relax import controls and prevent hoarding of foodgrains through the amendment of the Essential Supplies (Temporary Powers) Act, 1946. The Centre also assumed powers to legislate for one year from August 15, 1950 in respect of trade and commerce and production, supply and distribution of goods and these were extended later by another year. This was followed by the promulgation of the Supply and Price of Goods Ordinance. As an anti-inflation measure and in view of the wide disparity between the internal and external prices, fresh export duties on certain commodities were levied or the rates of existing duties were raised as in the case of hessian, sacking, raw cotton, cotton waste and raw wool.

These measures had in part a steady effect on the general trend of prices, the months of October and November registering a decline.

Thereafter the prices resumed an upward trend which became pronounced following the Chinese intervention in the Korean war and touched a high level at 438.6 in March 1951. The prolongation of the Korean war, rising import prices, heavy export commitments and higher prices granted by Government in a number of controlled commodities like sugar, sugarcane, gur, foodgrains, cotton textiles and rubber, contributed to the uptrend in prices; it also embodied the result of the decontrol of prices of raw jute and jute manufactures on March 9, 1951. In December 1950 Government increased the prices of sugarcane and sugar from Rs. 1-10 and Rs. 28-8 per maund respectively fixed earlier in October at the preceding season's level to Rs. 1-12 and Rs. 29-12. Gur prices were raised further and the pool price of imported food was raised in January because of a rise in overseas prices and freight charges. The rise in import prices of raw cotton and the grant of an increase of Rs. 150 per candy for indigenous cotton for the 1950-51 cotton season was announced on June 16, 1950 but its effect by way of higher prices for cotton manufactures was noted only in the closing stages of the year under review.

During the first quarter of 1951, the prices of coarse, medium, fine and superfine cloth were raised by anything between 6 per cent in the case of superfine and 17½ per cent in the case of coarse varieties. The voluntary cut of four per cent in yarn prices was restored on March 5. An interim increase in the price of raw rubber from Rs. 90-8 to Rs. 122-8 per 100 lb. was granted with effect from March 7, 1951.

The fight against inflation in the financial year 1951-52 was greatly assisted by three factors. The first was the budget which aimed at a

substantial revenue surplus and sought to finance the railway development by raising passenger fares. Since then, the surplus estimated at Rs. 26.1 crores in the budget has been revised upward to Rs. 92.61 crores. This substantial transfer of purchasing power from the hands of the public to the exchequer helped to hold inflation in check. Secondly, the sale proceeds of the wheat obtained from the American loan have also had the same effect of reducing the money supply in the hands of the public.

Another important step was taken in the middle of November 1951 by the raising of the Bank Rate from three per cent. at which it stood from November 1935 to 3½ per cent. The third factor was of an international character. Following the economic difficulties caused by the burden of the re-armament drive, country after country led by the United Kingdom imposed import restrictions, while the United States had to prune defence expenditure because of the danger of inflation.

As a result of the above factors, the general price index steadily sagged from 457.5, the all time peak level touched in April 1951, to 433.1 in the last month of 1951. Though overseas food prices ruled remarkably firm, the Indian food prices dropped by 2½ per cent and those of industrial raw materials dropped by more than 12 per cent. By the time the new year opened, exports proved difficult owing to buyers' resistance, while the monetary squeeze had rendered hoarding difficult despite credit expansion. Conditions deteriorated in February when the crop movement was in full swing and the general price index fell further to 415.9 thereby wiping out the advance of the past 13 months.

INDEX NUMBERS OF INDUSTRIAL PRODUCTION

Year.	Electric consumption.	Coal despatches.	Finished steel.	Cement.	Cotton piece-goods.	Jute goods.
1948 <i>average</i>	99	99	99	96	98	103
1949 "	103	113	110	131	87	90
1950 "	106	114	114	162	82	81
1951 "	126	125	122	199	92	80
1952 "	134	133	125	221	104	93
1953 Jan.	142	136	119	220	113	86
Feb.	132	121	114	200	103	81
Mar.	136	138	112	221	107	87
Apr.	138	132	103	213	113	87
May	142	133	101	242	114	86
June	140	126	97	239	112	86
July	152	129	102	257	117	92
Aug.	151	129	102	229	113	80
Sept.	150	133	104	231	110	86
Oct.	150	139	128	246	110	79
Nov.	145	131	..	252	99	81
Dec.	..	..	..	..	113	93

INDEX NUMBERS OF WHOLESALE PRICES.

Aug. 1939 = 100

Year.	Food.	Industrial raw materials.	Semi-manufactures.	Manufactures.	Miscellaneous.	All commodities.
1948 <i>average</i>	374	431	317	341	504	367.1
1949 "	389	464	328	344	546	381.1
1950 "	410	503	341	348	683	400.7
1951 "	410	608	378	396	730	430.3
1952 "	360	454	347	378	636	386.9
1953 "	381	460	356	367	662	393.9
Jan.	357	428	344	366	620	377.5
Feb.	362	440	347	368	595	381.5
Mar.	365	453	350	369	586	385.2
Apr.	366	449	352	366	602	384.9
May	382	477	360	370	620	397.4
June	399	481	363	370	675	405.4
July	406	481	365	367	699	407.7
Aug.	407	489	365	371	706	410.4
Sept.	399	475	364	364	717	403.8
Oct.	386	448	353	365	722	393.6
Nov.	378	441	356	366	715	390.6
Dec.	367	459	357	364	712	389.4

IMPORT AND EXPORT TRADE

Total foreign trade (1952-53)	Rs. 1,233.73 lakhs.
Imports (total)	Rs. 658.11 "
Exports (total)	Rs. 575.62 "
Re-exports	Rs. 5.74 "
Imports across land frontier only	Rs. 25.16 "
Exports across land frontier only	Rs. 18.84 "

India is essentially an agricultural country with farming regarded by the people as a tradition rather than as business. During the past 30 years the tendency is, however, towards rapid industrialisation. This change has been noticeable in the course of foreign trade especially in the post-partition period. In 1920-21 finished goods represented 84 per cent of imports, while exports of raw materials accounted for 45 per cent of the total shipments. In the quinquennium ended 1929-30 imports of raw materials hardly represented 9.3 per cent of the total, while exports of raw materials were as high as 49.5 per cent of the shipments. By 1950-51 the share of raw

materials under imports rose to 35.1 per cent while that under imports dropped to 20.8 per cent. The emphasis on higher industrial production during the intervening period was responsible for reducing the import of manufactured goods from 72.6 per cent of the total imports in the five years ended 1929-30 to 45.7 per cent in 1950-51, while the share of finished goods in the export trade rose from 26.6 per cent to 55 per cent.

India's foreign trade (sea-borne, air-borne and land-borne) amounted to Rs. 1,233.73 crores in 1952-53, as compared with Rs. 1,675.85 crores in 1951-52 and Rs. 1,224.71 crores in 1950-51.

Imports in 1951-52 included about Rs. 100 crores worth of foodgrains from the U.S.A. by way of loan and did not raise any payments problem and there was consequently no need to draw on sterling balances for the period July 1951-June 1952. In 1952-53 also the releases made from sterling balances were not drawn upon.

Trade from 1948-52*

The following table shows the values in Rs. lakhs of the total import and export trade of India from 1948 to 1952. The total includes trade across the land frontiers too:

	Imports	Exports	Balance
1948-49	871.64	453.70	-217.94
1949-50	642.80	513.23	-129.66
1950-51	623.96	624.63	+67
1951-52	943.20	742.70	-50
1952-53	658.11	575.62	-82.49

The following table shows the values in Rs. lakhs of the import and export trade of India across the land frontiers only from 1948 to 1952:

	Imports	Exports	Balance
1948-49	85.00	30.39	-54.61
1949-50	33.71	27.90	-5.81
1950-51	42.79	17.82	-24.97
1951-52	80.45	27.14	-53.31
1952-53	25.16	18.84	-6.32

General Indices of Exports and Imports (1948-49 = 100)

	1950-51	1951-52	1952-53
Quantity Index :			
Exports	110	89	94
Imports	83	108	74
Price Index :			
Exports	129	178	116
Imports	106	147	128

COMPOSITION OF TRADE

The table below gives the composition of India's imports and exports (including re-exports) according to the main commodity groups since 1948-49 :—

Imports										
	1948-49		1949-50		1950-51		1951-52		1952-53	
	Rs. crores	% of total	Rs. crores	% of total	Rs. crores	% of total	Rs. crores	% of total	Rs. crores	% of total
Food, etc.	112.95	20.8	122.76	21.8	110.61	19.03	262.05	30.37	175.64	27.75
Raw materials	127.65	23.5	144.30	25.7	198.81	34.21	254.06	29.44	179.01	28.28
Manufactured Goods	297.75	54.9	288.66	51.5	269.54	46.38	341.38	30.56	274.00	43.29

Exports (including re-exports)										
Food, etc.	87.55	20.6	117.76	24.3	136.26	22.45	154.42	22.14	142.58	25.60
Raw materials	98.59	23.0	111.86	23.1	149.23	24.58	148.84	20.80	147.11	26.42
Manufactured Goods	235.66	55.7	253.38	52.4	318.70	52.52	404.65	56.53	262.99	47.23

* See table on p. 165 for later figures.

TRADE IN PRINCIPAL COMMODITIES DURING 1952-53*

(Rupees in lakhs)

IMPORTS			Commodities	EXPORTS		
Dollar Area	Others (excluding Pakistan)	Total		Dollar Area	Others (excluding Pakistan)	Total
—	9,30	9,30	Fruits and Vegetables	9,97	5,59	15,56
97,99	51,73	152,72	Grain, Pulse and Flour	Insignificant		
22	5,48	5,70	Provisions and oilman's stores	11,46	8,80	20,26
—	3,77	3,77	Spices	—	12,84	12,84
1,38	42	1,80	Tobacco	5	11,44	11,49
2	1,87	1,89	Others	10,20	69,97	80,17
Insignificant			Tea	31,68	108,64	140,32
99,61	75,57	175,18	Total for the Group I	4,59	5,27	9,86
1,98	5,07	7,05	Other non-metallic mining and quarry products, etc.	5,97	18,94	24,91
20,52	61,26	81,78	Oils—vegetable, mineral and animal	2,97	25,89	28,86
37,28	39,39	76,67	Cotton, raw and waste	2,86	5,56	8,42
—	66	66	Wool, raw and waste	4,51	3,72	8,23
Insignificant			Gums, Resins and Lac	3,00	2,69	5,69
1,00	11,72	12,72	Hides and Skin, raw	14,57	22,42	36,99
60,78	118,10	178,88	Metallic ores	1,55	3,00	4,55
—	—	—	Seeds	1,60	14,25	15,85
—	—	—	Others	41,62	101,74	143,36
			Total for the Group II			

* For other commodities see end of article.

DIRECTION OF SEA-BORNE TRADE

Country-wise the United Kingdom enjoyed a key position till the First Great War when three-fifths of the imports and one-third of the exports originated from that country. By the time the world depression set in, her share in imports was reduced to 38 per cent but that under exports remained almost unchanged. In the five years preceding the outbreak of the Second World War, Britain's over-all share in India's foreign trade dropped to 32 per cent

and this trend gained a fresh momentum in the post-war period during which the United Kingdom was pre-occupied with problems of rehabilitation. In 1950-51 Britain supplied only one-fifth of India's total imports.

The broad pattern of the direction of trade in 1952-53 remained more or less the same as in the previous year, with the U.S. and the U.K. as the principal customers as well as sources of

supply. While the U.K.'s share in imports rose from 16.8 per cent in 1951-52 to 21.1 per cent, the U.S. maintained its dominating position by accounting for 27.6 per cent of imports. On the export side, the U.K. was the best customer despite the decline in her share from 25.8 per cent in 1951-52 to 21.3 per cent in the following year, but that of the U.S. rose from 17.8 per cent to 19.5 per cent. The following are the details:—

(Rupees in lakhs)

Country	1950-51			1951-52			1952-53		
	Imports	Exports	Balance	Imports	Exports	Balance	Imports	Exports	Balance
COMMONWEALTH	255,58	299,08	+ 43,50	288,63	365,21	+ 76,58	252,65	261,90	+ 9,25
United Kingdom	131,40	135,16	+ 3,76	158,13	187,82	+ 29,69	138,58	121,76	— 16,82
Pakistan	4,64	13,40	+ 8,76	10,54	19,00	+ 8,46	65,19	13,67	— 51,52
Bahrain Islands	6,96	1,13	— 5,83	10,92	1,36	— 9,56	18,47	1,76	— 16,71
Ceylon	4,53	19,25	+ 14,72	5,60	16,50	+ 10,90	4,29	19,28	+ 14,99
Singapore	15,85	30,56	+ 14,71	17,86	11,89	— 5,97	12,57	15,44	+ 2,87
Kenya Colony	18,52	6,38	— 12,14	18,60	8,83	— 9,77	20,57	6,54	— 14,03
Canada	21,01	13,65	— 7,36	18,81	16,24	— 2,57	29,31	12,82	— 16,49
Australia	33,45	29,96	— 3,49	17,61	48,62	+ 29,01	12,73	16,95	+ 4,22
Hongkong	2,31	10,06	+ 7,75	1,99	5,10	+ 3,11	1,16	6,41	+ 5,25
Tanganyika	2,11	2,09	— 12	2,17	2,62	+ 45	1,98	3,67	+ 1,69
Anglo-Egyptian Sudan	7,49	4,09	— 3,40	14,30	7,72	— 6,58	3,99	6,14	+ 2,15
FOREIGN COUNTRIES	325,59	279,90	— 45,69	574,23	336,60	— 237,63	380,31	289,14	— 91,17
U.S.A.	117,87	110,14	— 7,73	288,70	130,11	— 158,59	181,37	111,04	— 70,33
Burma	18,80	22,09	+ 3,19	23,34	19,55	— 3,79	26,43	22,03	— 4,40
Germany, Western	10,29	8,87	— 1,42	28,27	8,66	— 19,61	22,23	12,35	+ 6,07
Japan	10,11	9,76	— 35	24,65	14,27	— 10,38	15,82	31,07	+ 15,25
China	68	3,40	+ 2,78	15,89	6,77	— 9,22	13,03	39	— 12,64
Saudi Arabia	87	2,01	+ 1,14	10,04	1,85	— 8,19	14,73	2,97	— 11,76
France	11,07	6,45	— 4,62	10,72	10,45	— 27	12,87	5,58	— 7,29
Switzerland	7,61	2,11	— 5,50	9,94	2,05	— 7,89	6,95	59	— 6,36
Netherlands	6,68	9,55	+ 2,87	10,92	7,73	— 3,19	10,60	10,04	— 56
Sweden	5,28	2,42	— 2,86	7,47	2,41	— 5,06	5,66	1,81	— 3,85
Belgium	9,04	7,81	— 1,23	9,52	7,70	— 1,82	5,67	6,58	+ 91
Thailand	8,15	4,76	— 3,39	11,64	8,72	— 2,92	7,72	4,26	— 3,46
Norway	2,23	1,30	— 93	3,58	1,60	— 1,98	2,79	88	— 1,91
Egypt	32,87	5,74	— 27,13	40,49	6,35	— 34,14	15,12	5,70	— 9,42
Belgian Congo	1,07	34	— 73	17	62	+ 45	2,05	38	— 1,67
Mozambique	4,44	52	— 3,92	3,42	92	— 2,50	5,95	93	— 5,02
Iraq	4,29	2,85	— 1,44	3,61	3,13	— 48	2,05	2,07	+ 2
Iran	37,00	5,97	— 31,03	28,90	4,15	— 24,75	2,50	2,07	— 43
TOTAL	581,17	578,98	— 2,19	862,84	701,80	— 161,04	632,95	551,04	— 81,91

IMPORTS BY CUSTOMS ZONES

The following table shows the value in Rs. of the imports for 1952-53 by customs zones:

Merchandise	
West Bengal	180,08,79,856
Madras	84,53,80,895
Travancore-Cochin	28,53,267
Cochin Port	39,44,44,341
Bombay	316,71,40,522
Saurashtra, Okha, and Kutch	11,56,19,667
Delhi air-ports	32,09,583
Total of merchandise	632,95,37,131
Treasure (gold, gold coin)	
West Bengal	9,599
Cochin Port	20,18,15,698
Delhi air-ports	23,79,106
Total Treasure	20,42,04,403
Total of imports	653,37,41,534

EXPORTS BY CUSTOMS ZONES

The following table shows the value in Rs. of the exports of merchandise by customs zones:

	Indian	Indian and foreign
West Bengal	264,29,91,331	267,78,38,126
Madras	83,80,96,196	83,96,69,918
Travancore-Cochin	5,00,29,039	5,00,29,039
Cochin Port	45,63,89,767	45,63,93,829
Bombay	147,89,96,430	149,99,79,447
Saurashtra, Okha, Kutch	3,72,52,221	3,72,52,221
Delhi air-ports	57,81,950	57,83,800
Total	551,04,36,910	556,78,46,371

The following table shows the value in Rs. of the export of treasure:

West Bengal	15,26,750
Madras	1,41,24,460
Bombay	3,22,427
Delhi air-ports	10,53,937
Total treasure	1,79,27,547
Total of exports	558,57,73,915

FOREIGN TRADE BY LAND

(Rupees in lakhs)

Country	1951-52			1952-53		
	Imports	Exports	Balance	Imports	Exports	Balance
Pakistan	76.96	26.20*	— 50.70	21.23*	17.44*	— 3.79
Afghanistan	3.44	83	— 2.61	3.90	1.37	— 2.53
Iran	3	—	3	—	—	—
Burma	1	4	— 3	3	3	—
Total	80.44	27.14*	+ 53.30	25.16	18.84	— 6.32

* Provisional.

IMPORT AND EXPORT CONTROL

Import trade control was first instituted in May 1940 for conserving the limited tonnage and the hard currency. In the post-war period, currency difficulties, the prospects of release of sterling balances and the Government's view on inflation were the guiding principles. In July 1950 following the recommendations of the Import Control Inquiry Committee, the Government decided that from the beginning of 1951 (i) commercial imports should be annually around Rs. 400 crores, (ii) the O.G.L. should cover basic raw materials in short supply and exclude commodities sufficiently available in the country at a reasonable price, (iii) the actual licensing should be decentralised and the period should be half-year, and that (iv) the order of priorities for imports should be (a) raw materials and spares for industries essential for the life of the community, (b) other raw materials and capital goods, (c) other essential goods and (d) non-essential goods.

The more recent changes in the policy are detailed below:—

Broad features of the import policy for July-December 1952 were unchanged but 50 items were transferred from the Dollar O.G.L. to soft currency O.G.L. and import quotas for the dollar area were cut. On September 5, 1952 certain imports from Pakistan were placed on O.G.L. up to March 1953. The policy for the first half of 1953 remained unchanged for 70 per cent of the items. Efforts were also made to bring all the essential items under one O.G.L. Imports of a few items such as ball-bearings and textile stores were placed on a quota basis. Where stocks were higher import quotas were cut. Small quotas were given for biscuits, confectionary, playing cards, metal buttons, etc. to provide healthy competition. Where indigenous production was higher, quotas were cut. This applied to iron and steel structures, bolts, nuts and rivets, leather belting, tea chests, linings

and umbrella fittings among others. Procedure remained substantially unchanged; but the list of items licensable to actual users was enlarged and a greater scope was given to newcomers.

On March 16, 1953 a few changes were made and certain items including non-ferrous metal manufactures and semi-manufactures were removed from the then existing O.G.Ls. Imports from Persian Gulf Sheikdoms and Portuguese possessions in India were extended upto September 30, 1953. During June 1953, the import policy was announced for the second half of 1953. The salient features were: (1) liberalisation of imports of machinery not indigenously manufactured, industrial raw materials such as art silk yarn and cotton yarn above 80s, and consumer goods like spices, fruits, breakfast foods, etc. and (2) simplification of the licensing procedure. Other measures included the introduction of free licensing for cotton stapling 1/16" and above from the soft currency countries and the extension to 1953-end of the validity of import licences already issued for U.S. cotton. Import of sugar was also arranged and import quotas of sewing machines, machine screws, etc. were slightly lowered owing to improved domestic supply.

The emphasis of the policy shifted from reduced quotas to higher tariff values with a view to regulating imports to meet the more important needs. In pursuance of this objective, import duties were reduced on sugar from Rs. 14-14 to Rs. 7 per cwt., on copra from non-preferred sources from 25 per cent to 15 per cent *ad valorem* and from other sources from 15 per cent to 5 per cent *ad valorem*.

EXPORT CONTROL

In pre-war years the Government's policy was to encourage exports. Immediately after the war, export control was relaxed, but the aggrava-

tion of inflationary pressures rendered its tightening in 1949. Following the devaluation of the rupee, export duties were put up on commodities for which India was at an advantage. Simultaneously, quality control was gradually introduced and a network of Trade Commissioners' offices was set up. Following the end of the Korean war boom and the fall in demand, the Government was obliged to reduce the export duties gradually. The process started early in 1952 and continued till the end of 1953.

The export duty on hassian was lowered from Rs. 750 per ton to Rs. 275 on May 7, 1952, and that on sacking was progressively reduced from Rs. 350 per ton to Rs. 175 and then to Rs. 80 on February 27, 1953. The export levy of 25 per cent on coarse and medium cotton textiles was reduced to 10 per cent on January 4, 1953. In the case of raw cotton, the duty was lowered from Rs. 200 per bale to Rs. 125 on November 19, 1953 and was totally abolished in the case of Assam/Comilla. In October 1953 export of mercury was permitted subject to a duty of Rs. 300 per flask of 75 lb.

The major export liberalisation measures during 1952-53 are summarised below:—

Free licensing of superfine and fine cloth from April 1, 1952 and of coarse and medium cloth from May 17, 1952. Export of 250,000 tons of sugar, 10,000 tons of khandasari and 50,000 tons of jaggery; but banned since January 30, 1953. Export quotas for raw cotton fixed in instalments. Free licensing of niger seed, kardi seed and their oils till June 30, 1953. Relaxation of control on yarn exports. Free licensing of raw wool shipments till December 1953. Free export of mustard oil till June 30, 1953. Overall quota of 3,000 tons for vanaspathi for 1953. Free licensing to all permissible soft currency countries and O.G.L. to dollar area for black pepper.

TRADE AGREEMENTS

Italy.—For 1952. Chemicals and chemical products, paper, raw silk, moulding powders, electric transformers, generators, machine tools, etc. to be imported. Oils and oilseeds, spices, tea, coffee, manganese, mica, coal, etc. to be exported.

Sweden.—For 1952. Newsprint, aluminium covered steel cables, etc. to be imported. Kyanite

ore, manganese ore, jute goods, castor oil, cotton waste, etc. to be exported.

Egypt.—Upto February 28, 1953. Raw cotton, cotton yarn of 80s and above, rock phosphates, gypsum anhydride, etc. to be imported against tea, vegetable oils, cotton piecegoods, shellac, iron and steel manufactures, etc.

Pakistan.—Effective up to June 30, 1953. Imports of hides and skins, fish, bamboo, spices, etc. in exchange for iron and steel and machinery, railway materials, wood and timber, beedi, beedi leaves and tobacco. The Agreement was extended up to September 30, 1953.

Austria.—Upto June 1954. Building and engineering materials, woollen goods, cotton

thread, newsprint, aluminium circles, sheets, plates, tungsten and molybdenum products, machine tools on the import side and tea, tobacco, handloom products, oil and oil products, spices, cotton and cotton waste, vegetable oils, iron ore, manganese ore, hides and skins tanned, shellac, raw wool, etc. on the export side.

Finland.—Agreement expired on December 31, 1951, extended by two years. Schedules will be renewed for 1953 by negotiations. Newsprint, wood-pulp, paper and paper products, steel files, farming machinery, etc. to be imported and tobacco, cashewnuts, spices, jute goods, tea, coffee, shellac, vegetable oils, chemical products, textile and hosiery, etc. to be exported.

Norway.—Newsprint, mechanical pulp, welding equipment, machine tools, certain types of machinery, iron and steel oil pipes, etc. Jute goods, tobacco, spices, oils and oilseeds, cottage industry products, iron ore, oil and oil products, manganese ore, etc. to be exported.

Western Germany.—Upto October 1953. Chemicals and related products, machinery, metal products, etc. Tobacco, cotton, ores, coffee, tea, raw wool, mica, seeds, shellac, essential oils, grey cotton goods, jute goods, woollen carpets, etc. to be provided with quotas of specified value.

Hungary.—Upto January 1954. Imports of machine tools, agricultural machinery, X-ray and electro-medical apparatus, locomotive engines, optical goods, etc. Exports of jute goods, tobacco, handloom products, cotton and woollen piecegoods, cement, soap, chemicals, etc.

Indonesia.—Upto December 1953. Copra, coconut oil, palm oil, spices, betelnuts, timber, tin, rubber, etc. Shipments of jute goods, tobacco handloom products, cotton and woollen piecegoods, cement, soap, chemicals, etc.

Barter Agreements.—In 1952. With Pakistan for exchanging 37,600 tons of Sind rice against 39,700 tons of U.S. wheat. With Argentina for wheat of the value of 40,000 tons of jute goods.

Treaty of Friendship.—With Syria. Talks in progress with the U.S.

Iraq (1954-end.)—Imports of animals, long staple cotton, dates, food-grains and hides and skins against exports of tea, textile fibres and bristles, rubber goods, soap and iron and steel and their products. Trade subject to trade regulations. Mutual facilities for ships.

Bulgaria (1954-end.)—Imports of canned vegetables, electrometers, textiles and sanitary ceramics against exports of tea, spices, lac, castor oil, raw wool, raw cotton and oil yarn. No territorial discrimination without the currency groups.

Sweden (1954-end.)—Imports of newsprint paper, staple fibre, machinery and mill work metals and ores, wood-pulp and chemicals against export of spices, manganese ore, jute goods, oil manufactures, vegetable oils, lac, mica, tobacco and hides and skins.

Burma (Talks concluded on July 3, 1953)—Certain changes in the Agreement of 1951 and additions to the list of commodities for export from India. In the next six months increased supplies of several commodities including iron and steel and understanding about future purchase of rice.

Indo-Soviet Trade Agreement

A five-year trade agreement between India and the Soviet Union was signed on Dec. 2, 1953, providing for the exchange of a large number of items and specifying the procedure for trade, shipping and settlement of accounts between the two countries.

With the signing of the agreement, letters were exchanged on the establishment and status of Soviet trade representatives in India and on the extension of technical assistance by the Soviet Union to India both for the installation and operation of Soviet equipment as well as for the planning and execution of various projects in India.

The agreement may be extended or renewed by negotiations to be commenced within three months of its expiry.

Among the 20 items agreed for export from India to the U.S.S.R. during the first year of the agreement are:

Jute manufactures, tea, coffee, tobacco, shellac, black pepper and other spices, wool, hides and skins, vegetable and essential oils, oil yarn and rope, chemicals, live animals, exposed cinema films, books and periodicals and cottage industry products.

The list of goods agreed for import from the U.S.S.R. covers 39 items. These include:

Food grains (wheat, barley) crude petroleum and petroleum products, timber and paper, iron and steel manufactures, chemicals, dyestuffs, medicaments, optical goods, cinematograph films, printed matters and other goods as well as a wide range of industrial equipment including boring, mining and road-building equipment, excavators, compressors, electrical equipment, equipment for textile, shoes, food and polygraphical industries, tractors and agricultural machinery and various machine tools and instruments.

To promote economic relations between the Soviet Union and India, it was agreed that the Soviet Embassy might establish a special trade representation wing in New Delhi with branches in Calcutta and Bombay.

It will be the duty of Soviet trade representatives to enter into or guarantee commercial transactions. Such transactions will be subject to the jurisdiction of Indian courts unless otherwise provided. Soviet trade representatives are not to be responsible for any transactions concluded by other Soviet organisations direct without its guarantee.

The inclusion of hydrogenated oils, cashewnuts, dyeing and tanning substances, footwear and sports goods in the list of commodities exportable by India to the U.S.S.R. was to be considered separately as early as possible between the Government of India and the Soviet Embassy.

India's imports from Russia were valued at Rs. 2.3 lakhs in 1950-51, Rs. 1.38 crores in 1951-52, Rs. 2.4 lakhs in 1952-53 and exports at Rs. 1.34 crores in 1950-51, Rs. 6.67 crores in 1951-52 and Rs. 8.5 lakhs in 1952-53.

FOREIGN TRADE*

(Rupees in lakhs)

Year	SEA-BORNE			LAND-BORNE			Total visible balance of trade.
	Exports.	Imports.	Balance.	Exports.	Imports.	Balance.	
1948 average	34.98	39.21	- 4.26				
1949	35.54	50.78	- 15.24	2.97†	3.38†	- 41†	
1950	43.74	40.72	+ 3.02	1.31	3.16	- 1.85	+ 1.17
1951	61.80	62.27	- 47	1.73	7.54	- 5.81	- 6.28
1952	48.88	68.08	- 19.20	2.23	2.75	- 52	- 19.72
1952 Dec.	43.81	43.14	+ 67	1.24	3.73	- 2.49	- 1.82
1953 Jan.	42.54	39.70	+ 2.84	70	2.58	- 1.88	+ 96
Feb.	38.28	38.11	+ 17	51	1.32	- 81	- 64
Mar.	48.09	45.11	+ 2.98	39	1.58	- 1.19	+ 1.79
Apr.	37.99	55.16	- 17.17	37	71	- 34	- 17.51
May	39.88	54.70	- 14.82	40	66	- 26	- 15.08
June	39.33	49.30	- 9.97	38	1.70	- 1.32	- 11.29
July	40.29	48.53	- 8.26	41	2.81	- 2.40	- 10.66
Aug.	38.93	47.05	- 8.12	91	2.70	- 1.79	- 9.91
Sep.	48.28	42.93	+ 5.35	73	3.20	- 2.47	+ 2.88
Oct.	45.16	42.79	+ 2.37	68	2.03	- 1.35	+ 1.02
Nov.	48.79	36.95	+ 9.84	74	1.72	- 98	+ 8.86

* *Entrepot* trade excluded.

† Average for April-December 1949.

IMPORTS OF MERCHANDISE 1951-53

The first table shows the imports by sea and air groups. The succeeding tables show the imports of individual commodities :

(Rupees in 000s)

Item	1950-51	1951-52	1952-53	% of Total Imports
Grain, Pulse and Flour	80,41.15	228,11.52	153,10.32	24.19
Machinery	91,81.92	102,24.11	86,26.54	13.63
Oils	59,54.39	79,48.09	81,77.70	12.92
Cotton, raw and waste	100,76.72	137,12.89	76,07.15	12.11
Vehicles	24,50.19	34,41.18	28,17.57	4.45
Chemicals, Drugs and Medicines	19,36.93	35,94.50	24,86.94	3.93
Metals	46,84.07	42,61.00	43,07.85	6.82
Cutlery, Hardware, etc.	14,45.96	19,69.70	14,25.97	2.25
Paper, Pasteboard and Stationery	10,44.51	14,88.69	12,70.22	2.02
Electrical Goods and Apparatus	9,60.75	10,35.86	13,81.42	2.18
Textile Yarns and Manufactures	19,92.98	25,04.84	21,30.84	3.37
Dyes and Colours	14,60.47	19,28.40	10,42.04	1.65
Fruits and Vegetables	9,50.53	9,98.31	9,30.83	1.47
Provisions and Ollman's Stores	5,81.98	10,81.47	5,70.36	0.90
Spices	5,50.59	8,30.10	3,77.38	0.59
Non-metallic Mining and Quarry Products	2,99.38	3,09.98	7,04.74	1.11
Arms, Ammunition and Military Stores	2,37.53	1,75.31	3,20.80	0.50
Seeds	2,29.15	2,32.49	2,25.10	0.36
Liquors	1,18.77	1,67.53	1,62.25	0.26
Tobacco	2,76.35	1,99.18	1,80.04	0.29
Gums, Resins and Lac	1,44.62	1,37.70	85.16	0.13
Rubber, raw or crude	3,00.87	2,45.81	90.18	0.15
Silk, raw and cocoons	2,41.39	1,56.21	67.37	0.11
Wool, raw	5,61.83	2,58.38	66.02	0.10
Wood and Timber	2,79.63	5,54.04	2,23.99	0.35
Furniture	82.56	2,01.00	1,09.15	0.17
Glassware and Earthenware	85.25	2,88.61	1,71.59	0.27
Miscellaneous	30,40.74	55,26.20	23,56.99	3.72
TOTAL	581,17.21	862,84.19	632,95.37	100.00

Arms, Ammunition and Military Stores (Rs. in lakhs)

	1950-51	1951-52	1952-53
Cartridge Cases	8	15	34
Explosives	1.05	1.42	1.93
Fire Arms and their parts	57	4	71
Gunpowder	2	2	3
Other sorts	66	12	20
Total	2.38	1.75	3.21

Belting for Machinery (Rs. in lakhs)

	1950-51	1951-52	1952-53
Cotton Belting	2	0.6	4
Hair	20	48	11
Leather	42	73	63
Others	55	86	83
Total	1.19	2.07	1.61

Building and Engineering Materials (Rs. in lakhs)

	1950-51	1951-52	1952-53
Asphalt	84	94	528
Bricks	6	3	31
Cement	22	18	12
Tiles	1	3	3
Other kinds	18	37	21
Total	1.31	1.55	5.95

Chemicals, Drugs and Medicines.—After a sharp increase in the preceding year, imports were drastically reduced in 1952-53. Supplies were drawn from a variety of countries.

	1950-51 Rs. lakhs	1951-52 Rs. lakhs	1952-53 Rs. lakhs
Chemicals, etc.	9.17	19.82	12.68
Acids	48 (46,500 cwts.)	1.02 (89,882 cwts.)	41 (30,340 cwts.)
Aluminous Sulphate	6 (53,328 cwts.)	0.25 (2,135 cwts.)	0.50 (4,615 cwts.)
Ammonia and Salts thereof	16 (43,334 cwts.)	65 (164,110 cwts.)	24 (56,328 cwts.)
Arsenic and its Oxides	0.78 (1,252 cwts.)	3.44 (3,961 cwts.)	1.78 (1,990 cwts.)
Bleaching Powder	20.9 (112,662 cwts.)	40.4 (176,201 cwts.)	14.0 (54,978 cwts.)
Calcium Compounds	23.2 (91,660 cwts.)	67.3 (197,283 cwts.)	36.0 (104,312 cwts.)
Copperas	12 (26,058 lbs.)	27 (42,222 lbs.)	12 (16,640 lbs.)
Disinfectants	15 (11,868 cwts.)	38 (22,427 cwts.)	39 (41,374 cwts.)
Lead Compounds	2.3 (2,355 cwts.)	2.0 (1,220 cwts.)	1.2 (767 cwts.)
Magnesium compounds	3.4 (6,991 cwts.)	10.7 (17,244 cwts.)	5.9 (9,671 cwts.)
Phosphorus	4.2 (2,726 cwts.)	10.0 (6,758 cwts.)	7.0 (2,500 cwts.)
Potassium compounds	20 (26,694 cwts.)	48 (55,568 cwts.)	27 (31,779 cwts.)
Sodium compounds	5 (35,953 cwts.)	35 (193,537 cwts.)	12 (61,210 cwts.)
Borax	7 (31,043 cwts.)	40 (150,993 cwts.)	0.3 (955 cwts.)
Sodium Carbonate	66 (29,817 tons.)	2.85 (85,315 tons.)	2.54 (81,588 tons.)
Sodium Cyanide	3 (4,661 cwts.)	4 (5,531 cwts.)	7 (9,069 cwts.)
Caustic Soda	1.01 (21,993 tons.)	3.79 (62,713 tons.)	1.46 (25,552 tons.)
Sodium hydrosulphite	80 (3,492 tons.)	99 (2,786 tons.)	47 (2,147 tons.)
hyposulphite	0.32	0.57	0.20
Silicate	0.09	0.15	0.04
Sulphide	5.87	16.2	4.42
other sorts	29	31	14
Sulphur (brimstone)	1.13 (55,327 tons.)	1.16 (37,281 tons.)	2.51 (73,941 tons.)
Zinc compounds	5.1 (9,320 cwts.)	6.5 (5,457 cwts.)	3.4 (5,268 cwts.)
Other Chemicals	3.19	5.47	3.19
Drugs and Medicines	9.94	15.15	11.32
Asafoetida	2.9	12.6	13.7
Camphor	20.5	86.1	11.2
Penicillin and its products	—	—	1.65
Proprietary and patent medicines	20.1	11.1	23.4
Quinine Salts	0.2	15.3	10.3
Saccharin	22.4	23.1	8.8
Streptomycin	—	—	2.45
Other sorts	9.17	13.63	5.20
Drugs or Chemicals containing spirit	26	98	87
Total	19.37	35.95	24.87

Cotton, Raw.—Following improved output, Imports dropped substantially. Over half the imports were from the U.S.A.

	1950-51	1951-52	1952-53
Value—Rs. in lakhs	100.77	137.13	76.67
Volume—Tons	214,895	213,223	138,397

Cutlery and Hardware.—Imports under this group moved rather erratically in the post-war period and depended more on the licensing policy than on any other factor. The U.K. was the main supplier.

(Rupees in lakhs)

	1950-51	1951-52	1952-53
Cutlery	28.3	129.0	83.2
Pruning Knives	2.3	0.9	0.4
Razors, Blades, etc. .. .	23.4	96.6	63.3
Other kinds	2.6	32.5	19.5
Hardware	456.9	613.9	404.5
Agricultural Implements .. .	24.6	2.0	1.5
Builders' Hardware	24.4	53.6	15.7
Domestic Hardware	3.7	9.2	6.7
Grub Hose	123.4	199.5	114.9
Hand Pumps	0.9	1.4	1.6

Dyes and Colours.—Imports were nearly halved partly because of reduced prices but mainly on account of reduced offtake. In the case of dyes, Western Germany was the main supplier with the U.K. coming next.

(Rupees in lakhs)

	1950-51	1951-52	1952-53
Dyes from Coal Tar	11.98	14.27	7.51
Alizarine	2	4	0.09
Congo Red	62	44	10
Coupling Dyes	3.22	3.42	2.07
Vats	4.66	6.32	3.32
Sulphur Black	83	73	24
Metanil Yellow	10	11	5
Tanning Substances	1.54	2.39	1.55
Paints and Colours	86	1.98	1.00
Total of Dyes, Colours and Paints ..	14.60	19.28	10.42

Fruits and Vegetables.—Imports of fruits and vegetables were more or less the same in the past three years. Nearly three-fourths were from Mozambique with Muscat and Iraq standing next in order.

(Rupees in lakhs)

	1950-51	1951-52	1952-53
Fresh Fruits and Vegetables	9	17	29
Dried, Salted or Preserved but not Canned—			
Almonds	1.15	1.60	1.24
Cashewnuts	2.85	3.28	4.66
Currants and Raisins	63	59	41
Dates	4.26	3.91	2.37
Total	9.51	9.98	9.31

Grain, Pulse and Flour.—Out of Rs. 82 crores worth of wheat imports, the U.S. and Canada accounted for Rs. 58.6 crores and Rs. 22.7 crores respectively and Australia lost the grounds since 1950-51. Half the imports of rice were from Burma and the year was notable for a sharp rise in supplies from non-traditional source.

	1950-51 Rs. lakhs	1951-52 Rs. lakhs	1952-53 Rs. lakhs
Wheat	37.14	152.03	81.82
Wheat Flour	3.39	2.72	3.05
Wheat—other sorts	11.97	89	19
Rice not in the husk	22.99	38.19	43.03
Barley	19	16	3
Jowar and Bajra	32	32.11	1
Milo and Sorghum	—	—	22.35
Pulses	4.41	2.02	2.49
Other Sorts	—	—	—
Total Value	80.41	222.12	153.10
Total Volume (M. Tons)	2.086	4.793	2.917

Gums and Resins (Rs. in lakhs)

	1950-51	1951-52	1952-53
Arabic	37	45	39
Benjamin	7	9	9
Dammar (Resins)	17	11	13
Olibanum	0.7	0.5	1
Rosin	2	3	1
Other sorts	15	35	21
Total	79	1.03	84

Instruments, Apparatus, Appliances, etc.—An upward trend in imports was in evidence in the post-war period and was continued thereafter in spite of the policy to restrict imports of those varieties of which the indigenous production was adequate. The U. K. was the main supplier.

(Rupees in lakhs)

	1950-51	1951-52	1952-53
Electric Wires and Cables	4.12	3.09	7.07
Electrical and Telephone Apparatus ..	1.10	27	38
Electric Glow Lamps	6	7	4
Electric Bulbs	17	59	39
Electric Lamps, other sorts	28	16	29
Flash lights, Torches, etc.	—	49	73
Batteries	17	24	17
Carbons	35	51	22
Accumulators	24	39	30
Electric Lighting Accessories	21	50	50
Electrical Instruments	81	1.31	88
Electro-medical Apparatus	34	36	29
Electrical Apparatus	16	10	5
Electrical Porcelainware	3	5	4
Electrical Goods and Apparatus—			
All kinds	9.67	10.36	13.81
Musical Instruments	5	28	16
Optical Goods	31	66	37
Photographic Materials	3.35	3.75	3.41
Scientific Instruments	55	60	49
Surgical Instruments	1.05	70	36
Wireless Apparatus	1.38	2.07	1.50
Other kinds of Instruments, etc.	1.44	2.01	2.11
Instruments, etc. of all kinds	17.79	20.43	22.21

Liquors (Value—Rs. in lakhs; Quantity—in thousand gallons)

	1950-51	1951-52	1952-53
Ale and Beer	38	50	54
V. Q.	8.16	1,087	1,031
Stout and Porter	1	1	2
V. Q.	15	18	29
Cider, etc.	0.65	0.82	1.2
V. Q.	7	10	15
Spirit	100	195	175
V. Q.	347	545	459
Brandy	21	23	12
V. Q.	65	67	27
Whisky	40	49	56
V. Q.	177	172	183
Drugs, etc., containing Spirit	26	98	87
V. Q.	55	236	190
Wines	5	13	18
V. Q.	22	51	59
Total of Liquors	1.45	2.66	2.50
V. Q.	1,207	1,711	1,592

Machinery.—Half the imports were received in Bombay and nearly one-third in Calcutta. The U.K. was the main supplier accounting for more than half the imports.

	1950-51 Rs. lakhs	1951-52 Rs. lakhs	1952-53 Rs. lakhs
<i>Prime Movers (other than electrical)</i>	21.85	21.77	8.96
Locomotives & Parts—Railways..	10.17	2.29	46
.. Oil Engines ..	65	27	43
.. " —Parts ..	22	63	9
.. Steam Engines ..	65	15	29
.. " —Parts ..	63	39	64
Other than Locomotives—Oil Engines	6.93	14.79	4.50
Other than Locomotives—Oil Engine Parts ..	1.82	2.74	1.97
Other than Locomotives—Steam Engines and Parts ..	30	25	14
Other than Locomotives—others	31	19	37
<i>Electrical Machinery</i>	12.00	16.20	17.15
Control and Switchgear ..	3.70	4.17	5.48
Generators, alternators and dynamos ..	1.56	2.38	2.46
Motors ..	1.41	1.12	1.23
Transformers ..	1.54	1.45	1.44
Turbo-generating sets ..	65	1.52	1.30
Others ..	3.14	5.56	5.23
<i>Aerated Water-making Machinery</i> ..	1	3	2
<i>Agricultural Machinery</i>	7.00	10.56	4.22
Tractors and parts ..	5.20	7.83	3.37
Ploughs and parts ..	1.12	1.21	37
Other sorts ..	68	1.52	58
<i>Air Compressors</i> ..	—	—	88
<i>Boilers</i> ..	5.27	4.11	4.19
<i>Boot and Shoe Manufacturing Machinery</i> ..	10	8	12
<i>Earth Moving Machinery</i> ..	—	—	1.35
<i>Excavation Machinery</i> ..	—	—	18
<i>Leather Tanning and Curing Machinery</i> ..	3	3	3
<i>Metal Working Machinery</i>	3.26	2.52	3.11
Machine Tools ..	2.65	1.79	1.94
<i>Mining Machinery</i> ..	99	1.32	1.57
Coal ..	25	36	38
<i>Oil Crushing and Refining Machinery</i>	13	14	7
<i>Paper Mill Machinery</i> ..	2.25	1.72	1.44
<i>Pumping Machinery</i> ..	1.56	2.23	2.44
Reciprocating ..	9	11	7
Centrifugal ..	57	96	81
Others ..	90	1.16	1.56
<i>Refrigerating Machinery</i> ..	1.08	1.43	84
Domestic ..	26	65	34
<i>Rice and Flour-mill Machinery</i> ..	18	17	16
Flour-mill ..	14	11	9
Rice-mill ..	4	6	7
<i>Saw-mill and Wood-working Machinery</i> ..	42	45	48
<i>Sewing and Knitting Machines and Parts</i> ..	1.62	1.19	89
<i>Sugar Machinery</i> ..	1.00	69	64
<i>Tea Machinery</i> ..	77	69	83
<i>Textile Machinery</i> ..	12.43	13.34	16.45
Cotton machinery ..	7.37	7.31	9.35
Cotton spinning machinery ..	3.91	2.72	4.18
Jute machinery ..	1.91	1.66	1.78
Shuttles ..	25	46	32
Wool machinery ..	14	44	33
Other sorts ..	2.75	3.46	4.68
<i>Typewriters and Parts</i> ..	77	84	78
<i>Printing and Lithographic Presses</i>	82	1.16	66
<i>Other Sorts of Machinery</i> ..	18.26	21.53	18.79
TOTAL ..	91.81	102.24	86.26

Manures (Value—Rs. in lakhs ; Quantity—in thousand tons)

	1950-51	1951-52	1952-53
Nitrate of Soda ..	V. 19 Q. 7	28 7	32 10
Sulphate of Ammonia ..	V. 11.45 Q. 870	2.45 67	85 20
Potassic ..	V. 25 Q. 9	37 13	18 5
Phosphatic ..	V. 45 Q. 60	62 53	23 15
Compounds and others ..	V. 1 Q. 1	12 4	47 14
Total ..	V. 12.35 Q. 447	3.84 144	2.03 64

Metals.—The bulk of the imports continued to be from the U.K., the continent and the U.S. Nearly half the supplies reached West Bengal and one-third Bombay and Iron and Steel manufactures dominated the trade.

(Rupees in lakhs)

	1950-51	1951-52	1952-53
Aluminium ..	2.77 (9,680 tons.)	3.17 (9,281 tons.)	2.40 (6,038 tons.)
Antifriction ..	1	5	1
Brass ..	2.42 (14,490 tons.)	67 (1,806 tons.)	71 (1,594 tons.)
Copper—Unwrought ..	6.87 (29,801 tons.)	1.38 (4,080 tons.)	7.18 (19,492 tons.)
—Wrought ..	40 (1,395 tons.)	24 (626 tons.)	40 (944 tons.)
Ferro Alloys ..	12	37	33
German Silver ..	20	19	13
Iron ..	3	2	0.7
Steel—Angle and Tee ..	40 (2,494 tons.)	17 (598 tons.)	2.7 (726 tons.)
—Bars ..	2.07 8	98 13	1.23 47
—Cast ..	2.26 (4,250 tons.)	53 (105 tons.)	1.60 (1,452 tons.)
—Ingots, blooms, etc. ..	4.87 (7,277 tons.)	1.83 (1,776 tons.)	3.33 (2,251 tons.)
Steel—Total ..	14.31 (9,385 tons.)	20.25 (8,058 tons.)	20.48 (7,808 tons.)
Iron or Steel—			
Anchors and cables ..	7	5	1
Beams, channels, etc. ..	28	49	7
Bolts and nuts ..	64	76	61
Fencing materials ..	22	22	21
Hoops and strips ..	21	66	1.05
Nails, rivets, washers ..	50	1.93	84
Pipes and fittings, cast ..	22	59	41
Rails, chairs and fishplates ..	1.28	15	9
Screws ..	23	78	48
Sheets and Plates ..	3.59	3.97	6.03
Sleepers, etc. ..	29	4	3
Tubes, Pipes and Fittings ..	3.14	5.83	5.87
Wire nails ..	4	47	14
Wire Rope ..	65	61	1.24
Wire other than Fencing wire ..	68	1.98	1.82
Other manufactures ..	2.04	1.59	1.47
Lead ..	2.22 (15,687 tons.)	1.72 (7,710 tons.)	66 (3,350 tons.)
Quicksilver ..	98	0.23	0.34
Solder ..	0.43	1.45	2.86
Tin ..	3.82 (4,310 tons.)	4.89 (3,652 tons.)	2.49 (2,029 tons.)
Zinc ..	6.56 (37,714 tons.)	7.28 (20,891 tons.)	4.54 (28,057 tons.)
Metals of all kinds ..	47.05 (22,953 tons.)	42.72 (12,470 tons.)	43.13 (18,014 tons.)
Ores of all kinds ..	22 (199 tons.)	28 (270 tons.)	21 (167 tons.)

Miscellaneous (Rs. in lakhs)

Items	1950-51	1951-52	1952-53
Animals, Living	8	21	23
Apparel	11	30	48
Bobbins	35	47	33
Books	68	93	1,00
Boots and Shoes	0 71	0 23	0 23
Bristles	2	1	0 32
Brushes and Brooms	9	16	9
Canes and Rattans	12	12	9
China Clay	6	12	18
Clocks and Watches and Parts	1,35	2,15	83
Cork Manufactures	35	37	26
Earthenware and Porcelain	27	73	43
Fish	23	22	19
Furniture and Cabinetry	7	12	16
Hair and their manufactures	6	18	2
Hides and Skins, Raw	47	40	19
Ivory	32	49	20
Jewellery	2	3	7
Lac	65	35	1
Leather and Manufactures	57	87	19
Oilcloth and Floorcloth	1	10	2
Paper-making Materials	41	1,04	93
Perfumery	1	3	2
Pitch and Tar	2	2	1
Plants, Living	7	20	15
Plastic Materials and Manufactures	1,61	2,69	2,39
Polishes	20	41	26
Precious Stones and Pearls, unset	57	65	31
Printing and Lithographing Presses	82	1,16	56
Printing and Lithographing Ink	17	20	9
Salt	79	3	2
Shells and Cowries	3	4	2
Soap	2	3	1
Starch, Dextrin and Farina	3,59	2,34	8
Stone and Marble	3	11	11
Sugar	4,34	85	0 10
Tallow	71	57	66
Stearin and other Animal Fats	1	3	1
Tea	5	6	10
Tea-chests of Wood and Parts	51	1,45	59
Toys and Sports Requisites	7	18	12
Umbrellas and Fittings	50	52	26
Wax	3	14	9
Wood—Teak	2,04	4,16	1,46
Other Wood and Timber	1,00	1,84	1,13

Oils.—Bulk of the imports were of mineral oils which rose from 799.8 million gallons in 1950-51 to 930.1 million gallons in 1951-52 and declined to 898.8 million gallons in the year under review. Nearly half the imports were in Bombay.

	1950-51	1951-52	1952-53
Essential oil (Rs. lakhs)	73	1,29	77
(000 gallons)	86	1,35	91
Kerosene (Rs. lakhs)	17,65	10,20	21,75
(million gals.)	229.4	254.5	265.8
Fuel Oils (Rs. lakhs)	11,80	14,82	14,91
(million gals.)	332.7	365.1	317.7
Lubricating oils (Rs. lakhs)	6,95	10,96	13,10
(million gals.)	40.6	48.6	61.1
Motor Spirit (Rs. lakhs)	17,87	24,87	25,18
(million gals.)	193.5	251.1	243.4
Mineral oils other than Kerosene (Rs. lakhs)	37,41	51,70	55,07
(million gals.)	569.9	675.6	683.0
Vegetable non-essential oil (Rs. lakhs)	3,34	6,18	3,65
(million gals.)	4.6	7.4	7.2
Coconut oil (Rs. lakhs)	3,17	6,04	3,08
(million gals.)	4.4	7.3	5.9
Total of oils (Rs. lakhs)	59,54	79,48	81,78

Painters' Materials (Rs. in lakhs)

	1950-51	1951-52	1952-53
Turpentine and substitutes	8	9	14
Varnishes	2	4	2
Other kinds	16	50	19
Total	26	63	35

Paper, Pasteboard and Stationery.—Imports of paper, which had dropped from 2.122 million cwt. in 1950-51 to 1.743 million cwt. in the following year, recovered to 2.034 million cwt. in 1953-54. Supplies of pasteboard also steadily moved up from 66,236 cwt. in 1950-51 to 82,667 cwt. and then to 95,602 cwt.

(Rupees in lakhs)

	1950-51	1951-52	1952-53
Packing and Wrapping Paper	89	2,53	1,85
Printing Paper	6,08	7,18	6,39
Writing Paper and Envelopes	59	1,26	1,20
Other varieties including old newspapers	2,94	2,19	2,77
Total of Paper	9,50	13,16	11,21
Pasteboard, Millboard and Card-board	42	81	51
Pencils	5	15	32
Fountain Pens	5	6	14
Ink	36	64	56
Total of Stationery	52	92	1,07
Grand Total	10,44	14,89	12,79

Provisions and Oilman's Stores.—The abnormal increase in imports during 1951-52 was wiped out in the following year mainly at the cost of Australia and Denmark and Netherlands became the leading supplier.

(Rupees in lakhs)

	1950-51	1951-52	1952-53
Butter	33	54	20
Canned and Bottled Provisions	26	74	43
Cheese	16	21	12
Cocoa and Chocolate	4	9	13
Farinaceous and Patent Foods	1,62	3,29	1,43
Milk, Condensed, etc.	3,11	4,00	2,81
Pickles, etc.	1	5	4
Other sorts	29	1,89	54
Total	5,82	10,81	5,70

Rubber and Rubber Manufactures (Rs. in lakhs)

	1950-51	1951-52	1952-53
Rubber, Raw { V. 301 246 90	12 m. lb.	11 m. lb.	7.6 m. lb.
Pneumatic motor covers { Q. 18 20 12			
Other manufactures 15 32 41			

Seeds (Value—Rs. in lakhs ; Quantity—in thousand tons)

	1950-51	1951-52	1952-53
Essential oilseeds { V. 23 12 10	1.5	0.8	0.7
Copra { Q. 1,14 1,59 2,04	8.6	11.5	19.2
Other non-essential oilseeds { V. 91 57 3	33.2	15.0	0.64
Other seeds { Q. 0.5 4.9 8.0			
Total { V. 2,29 2,32 2,25	43.5	27.5	20.8

Spices.—The fall in imports in 1952-53 was abrupt as the increase in the preceding year. The bulk of the imports were betelnuts for which Singapore had the virtual monopoly.

(Rupees in lakhs)			
—	1950-51	1951-52	1952-53
Betelnuts	3,43	4,66	3,27
Cassia	42	75	19
Cloves	1,50	2,55	5
Nutmegs	3	18	12
Pepper	3	11	12
Other sorts	1	5	2
Total	5,51	8,30	3,77

Textile Raw Materials.—Heavy imports in the preceding two years were mainly with the object of ensuring a better supply of raw cotton; but the resultant increase necessitated a cut especially in view of the emergence of a buyers' market in textiles.

(Rupees in lakhs)			
—	1950-51	1951-52	1952-53
Raw Cotton	100,77 (214,895 tons.)	137,13 (213,223 tons.)	76,67 (138,397 tons.)
Flax, Raw	4	5	1
Hemp, Raw	39	45	33
Jute, Raw	7	9	7
Silk, Raw and Cocoons ..	2,41 (1 3 m. lb.)	1,56 (0 66 m. lb.)	67 (0 3 m. lb.)
Wool, Raw	5,62 (11 7 m. lb.)	7,84 (9 1 m. lb.)	4,67 (10 2 m. lb.)
Staple Fibre, Raw and Waste	1,90 (12 5 m. lb.)	10,10 (36 5 m. lb.)	66 (4 1 m. lb.)
Total	111,23	152,01	79,08

Textile Yarns and Manufactures.—Nearly half the imports were of artificial silk yarn and piecegoods, while one-third represented woollen yarns and manufactures. Piecegoods were negligible and the bulk of the imports were for feeding the weaving industry.

(Rupees in lakhs)			
—	1950-51	1951-52	1952-53
Cotton Manufactures ..	2,36	6,55	4,99
Twist and Yarn	30 (0 5 m. lb.)	1,82 (1 79 m. lb.)	2,09 (2 8 m. lb.)
Piecegoods	1,31 (5 7 m. yds.)	2,37 (7 9 m. yds.)	1,25 (4 6 m. yds.)
Thread	49	2,00	1,40
Fents, etc.	2	2	5
Flax, Raw and Manufactures	7	21	25
Haberdashery and Millinery	3	5	2
Jute Manufactures	9	13	1
Silk Manufactures	17	28	8
Yarn	9	12	1
Piecegoods	2	21	7
Artificial Silk	15,17	18,22	8,13
Yarn	14,71 (35 m. lb.)	17,29 (36 m. lb.)	7,85 (22 m. lb.)
Piecegoods	42	82	26
Wool Manufactures	1,65	8,23	6,72
Yarn and Knitting	1,09 (0 9 m. lb.)	1,72 (2 5 m. lb.)	96 (1 0 m. lb.)
Piecegoods	13 (0 15 m. yds.)	45 (0 42 m. yds.)	92 (1 31 m. yds.)
Mixed Goods	7	26	57
Blankets, Carpets, Hosiery	15	14	13
Staple Fibre Yarn	33 (1 3 m. lb.)	1,22 (3 9 m. lb.)	75 (4 3 m. lb.)
Total	19,93	35,05	21,31

Tobacco (Value—Rs. in lakhs ; Quantity—in million lb.)

—	1950-51	1951-52	1952-53
Tobacco, unmanufactured ..	V. 250 Q. 6 0	185 5 1	167 5 5
Tobacco, manufactured ..	V. 17 Q. 0 2	14 0 1	13 0 1

Vehicles.—The main source of supply was the U.K. Imports were regulated in order to encourage the domestic industry.

—	1950-51 Rs. lakhs	1951-52 Rs. lakhs	1952-53 Rs. lakhs
Carriages	22	23	26
Cycles and parts	2,43	4,27	3,45
Aircrafts and parts	2,50	2,72	4,80
Carriages and parts for railways	71	52	1,05
Wagons and parts for railways	1,53	2,44	2,64
Motor cars	3,24	4,79	2,90
Motor cycles	25	48	37
Motor omnibuses, Vans, etc.	3,13	2,97	2,97
Trams, other sorts and parts of Vehicles	10,35	15,87	9,29
Vessels and their parts ..	14	12	38
Total	24,50	34,41	28,18

EXPORTS OF MERCHANDISE, 1951-53

The first table shows the exports by sea and air by groups. The succeeding tables show the exports by individual commodities.

(Rupees in 000s)				
Items	1950-51	1951-52	1952-53	% of Total Exports
Jute, Yarns and Manufactures	113,95,39	269,96,16	129,05,95	23 42
Cotton, Yarns and Manufactures	136,71,30	58,09,92	69,31,74	12 58
Tea	79,87,24	93,36,46	80,30,50	14 57
Cotton, Raw and Waste	17,35,54	21,02,11	28,94,10	5 25
Oils	25,71,55	22,76,22	25,09,43	4 55
Seeds	17,28,79	7,95,81	4,68,17	0 85
Hides and Skins, Tanned	25,76,96	25,69,11	20,34,53	3 69
Hides and Skins, Raw ..	0,55,97	8,51,97	5,69,44	1 03
Spices	24,92,99	27,89,08	20,47,83	3 71
Coal	3,36,30	7,80,90	7,66,21	1 39
Other Non-metallic Products	10,34,28	14,18,86	9,88,41	1 79
Fruits and Vegetables ..	10,94,99	13,41,40	16,30,57	2 98
Tobacco	15,20,89	16,93,48	13,45,86	2 44
Gums, Resins and Lac	13,60,49	16,23,94	8,25,85	1 49
Metallic Ores, etc. ..	9,68,80	18,55,28	36,98,97	6 71
Wool, Raw	7,86,85	4,89,70	8,41,69	1 53
Chemicals, Drugs and Medicines	3,98,77	5,27,43	4,10,69	0 74
Apparel	1,77,36	2,45,48	3,74,53	0 68
Cutlery, Hardware, etc.	1,63,79	2,12,88	2,16,83	0 39
Metals	2,56,40	2,26,08	4,11,16	0 74
Dyes and Colours	60,77	1,54,04	1,00,95	0 18
Rubber Manufactures ..	1,65,21	1,06,26	1,42,25	0 26
Woollen Yarn and Manufactures	6,06,68	6,48,99	3,27,03	0 59
Machinery	36,78	55,87	76,84	0 14
Provisions and Oilman's Stores	83,54	1,92,33	1,61,81	0 29
Miscellaneous	37,29,90	50,80,35	43,95,03	8 03
Total	578,97,63	701,80,11	551,04,37	100 000

Building and Engineering Materials (Rs. in lakhs)

—	1950-51	1951-52	1952-53
Bricks	0 7	1	1
Cement	4	67	52
Magnetite	26	55	42
Tiles	44	79	1,05
Other kinds	3	11	16
Total	78	2,13	2,16

Coal and Coke (Value—Rs. in lakhs. Quantity in thousand tons.)

		1950-51	1951-52	1952-53
Coal	{ V. 3,36 Q. 968	7,81 2,393	7,66 2,101	
Japan	{ V. 38 Q. 115	2,63 813	2,18 611	
Ceylon	{ V. 1,10 Q. 294	83 272	1,11 322	
Pakistan	{ V. — Q. —	62 183	77 170	
Burma	{ V. 50 Q. 123	45 124	90 235	
Singapore	{ V. 19 Q. 59	36 112	41 114	
Hongkong	{ V. 38 Q. 113	48 147	57 156	
Coke	{ V. 5 Q. 9	21 33	24 49	
Total—Coal and Coke ..	{ V. 3,41 Q. 977	8,02 2,427	7,90 2,149	

Coir and Coir Products (Value—Rs. in lakhs; Quantity—in thousand cwt.)

		1950-51	1951-52	1952-53
Coir, unmanufactured	.. { V. Q.	5 1	8 0.6	7 0.8
Coir, manufactured	.. { V. Q.	10,81 1,560	10,19 1,219	7,15 1,279
Yarn .. .. .	.. { V. Q.	7,23 1,121	6,59 905	4,54 966
Mats and Mattings	.. { V. Q.	3,21 404	2,53 230	2,03 248
Other sorts	.. .. { V. Q.	37 34	1,07 84	58 65

Dyeing and Tanning Substances (Value—Rs. in lakhs; Quantity—in thousand tons)

		1950-51	1951-52	1952-53
Barks for Tanning	{ V. 0.03 Q. 0.4	0.01 0.02	— —	
Cutch and Gambier	{ V. 8 Q. 7	11 12	8 7	
Indigo	{ V. 0.03 Q. —	1 0.2	0.8 0.2	
Myrobalans	{ V. 99 Q. 803	1,11 881	40 502	
Myrobalan Extracts	{ V. 21 Q. 08	34 99	25 120	
Other sorts including Safflower and Lac dye,	{ V. 22 Q. 47	50 34	48 43	
. Total	{ V. 1,50 Q. 925	2,13 1,028	1,21 674	

Fruits and Vegetables (Rs. in lakhs)

		1950-51	1951-52	1952-53
Fresh Fruits and Vegetables		1,56	2,92	1,91
Onions (Quantity in 000 cwt.)	{ V. Q.	1,15	1,07	1,12
Cashew Kernels (Quantity in 000 tons)		1,156	925	659
	{ V. Q.	8,55	9,03	12,76
		25	21	27
Other Dry Fruits		84	1,46	1,63
Total		10,95	13,41	16,31

Gums and Resins (Value—Rs. in lakhs. Quantity in thousand cwt.)

	1950-51	1951-52	1952-53
Arabic	—	1	—
Karaya	N.A.	1.23	60
Olibanum	0.7	0.8	0.6
Rosin	2	10	2
Value	1.73	1.40	67
Total of Gums, etc. (000 cwt.)	119	107	91

Hides and Skins, Raw (Value—Rs. in lakhs. Quantity in thousand tons.)

		1950-51	1951-52	1952-53
Buffalo Hides	{ V. 14 Q. 0.4	11 0.2	—	—
Cow Hides	{ V. 51 Q. 1.5	47 0.9	2 0.07	2 0.07
Calf Skins	{ V. 4 Q. 0.08	4 0.08	0.1 0.003	0.1 0.003
Hides, Raw	{ V. 69 Q. 1.97	62 1.25	2 0.07	2 0.07
Goat Skins	{ V. 8,14 Q. 12	6,97 10	4,78 10.5	4,78 10.5
Reptile Skins	{ V. N.A. Q. —	36 —	47 —	47 —
Sheep Skins	{ V. 6 Q. 0.06	8 0.16	16 0.41	16 0.41
Skins, Raw	{ V. 8,74 Q. 12.4	7,62 11.0	5,54 11.4	5,54 11.4
Cuttings of Hides and Skins	{ V. 14 Q. 3.3	28 5.5	13 2.6	13 2.6
Total of Hides and Skins, Raw	{ V. 9.56 Q. 17.7	8.52 17.7	5.69 14.1	5.69 14.1

Instruments, Apparatus and Appliances and Parts (Value—Rs. in lakhs.)

	1950-51	1951-52	1952-53
Electrical	N.A.	20	26
Musical	45	35	32
Photographic	N.A.	N.A.	31
Surgical	N.A.	N.A.	18
Other kinds	54	89	36
Total	99	1,44	1,43

Lac (Value—Rs. in lakhs. Quantity in thousand cwt.)

					1950-51	1951-52	1952-53
Button	..	..	..	{ V.	43	63	36
				{ Q.	21	27	30
Seed	..	..	..	{ V.	2,40	2,28	3,03
				{ Q.	152	125	298
Shell	..	..	..	{ V.	8,60	11,30	3,88
				{ Q.	431	495	307
Stick	..	..	..	{ V.	4	7	4
				{ Q.	4	6	7
Other kinds	..	..	..	{ V.	41	55	27
				{ Q.	53	61	44
Total Lac	..		{ V.	11,88	14,84	7,59	
			{ Q.	661	713	686	

Leather and Leather Manufactures (Value—Rs. in lakhs. Quantity in thousand cwts.)

		1950-51	1951-52	1952-53
Hides, Tanned or Dressed ..	{ V. Q.	12,02 351	13,61 335	9,22 313
Buffalo Hides ..	{ V. Q.	76 29	77 30	45 20
Cow Hides ..	{ V. Q.	9,41 284	11,05 270	7,56 260
Calf Skins ..	{ V. Q.	1,83 38	1,78 34	1,20 33
Skins, Tanned or Dressed ..	{ V. Q.	13,25 139	11,32 122	10,74 155
Goat Skins ..	{ V. Q.	6,91 79	5,10 65	4,86 81
Reptile Skins ..	{ V. Q.	N.A. —	52 2	72 3
Sheep Skins ..	{ V. Q.	5,41 57	5,70 55	5,14 70
Other Skins ..	{ V. Q.	93 3	0-2 0-02	3 0-4
Leather, unwrought ..	{ V. Q.	38 3	39 10	16 12
Leather manufactures ..	{ V. Q.	12 —	37 —	22 —
Total Leather, etc. ..	V.	25,77	25,69	20,35

Metals, Ores and Minerals (Value—Rs. in lakhs.)

		1950-51	1951-52	1952-53
Aluminium Bauxite, etc. ..		N.A.	51	59
Barytes ..		N.A.	5	3
Brass, Bronze, etc. ..		27	16	29
Chromite ..		3	9	8
Copper ..		7	1	76
Iron Ore (000 tons) ..	{ V. Q.	22 (84)	1,00 (280)	3,71 (812)
Pig Iron ..		86	41	41
Iron Manufactures ..		88	43	47
Iron or Steel manufactures (000 tons) ..	{ V. Q.	49 (10)	1,10 (52)	11,22 (497)
Kyanite ore ..		N.A.	49	68
Lead ..		1	3	1
Manganese Ore (000 tons) ..	{ V. Q.	8,01 (821)	15,69 (1,125)	20,77 (1,365)
Ferruginous Manganese Ore ..		N.A.	4	24
Illimanite ..		N.A.	10	13
Stealite ..		N.A.	12	10
Zinc ..		7	21	23
Total of Metals (In lakhs) ..	{ Rs. Ts.	2,60 0-72	2,96 0-78	14,87 5-30
Total of ores and minerals ..	{ Rs. Ts.	9,65 11-04	18,03 15-10	26,85 24-45

Mica (Value—Rs. in lakhs. Quantity in thousand cwts.)

		1950-51	1951-52	1952-53
Blocks ..	{ V. Q.	1,89 21	4,40 33	4,06 28
Splittings ..	{ V. Q.	8-03 248	8,72 231	4,85 101
Ground, Scrap or Waste ..	{ V. Q.	8 187	10 144	9 155
Total of Mica ..	{ V. Q.	10,00 407	13,21 408	8,99 284

Miscellaneous (Value—Rs. in lakhs.)

		1950-51	1951-52	1952-53
Animals Living ..		37	50	49
Cattle ..		2-3	0-7	2-7
Sheep and Goats ..		27-0	37-1	33-9
Apparel ..		1,11	82	1,83
Art, Works of ..		34	71	52
Asbestos ..		0-6	1-2	4-8
Bones ..		1,16	2,28	2,21
Books ..		41	52	49
Boots and Shoes ..		66	1,63	2,11
Bristles ..		49	60	46
Chemicals and Chemical Preparations ..		79	1,42	1,28
Glycerine ..		N.A.	N.A.	90
Coffee ..		1,35	55	1,38
		(2,077 tons.)	(804 tons.)	(2,190 tons.)
Cordage and Rope of Vegetable Fibre ..		46	69	64
Drugs and medicines ..		1,18	2,12	1,86
Earthenware and Porcelain ..		2	2	3
Fibre for Brushes and Brooms ..		78	94	55
Flax ..		2,46	3,28	3,78
Hair ..		—	77	26
Hardware and Cutlery ..		70	89	99
Jewellery ..		1	4	24
Kapok ..		46	77	56
Machinery and Millwork ..		37	55	75
Bonemeal ..		50	3	5
Manures ..		1,38	3,46	28
Opium ..		2,01	1,73	97
Paraffin Wax ..		2,26	2,82	1,33
		(20,051 tons.)	(31,759 tons.)	(18,519 tons.)
Perfumery ..		15	17	19
Plants Living ..		0-36	2	5
Plastic Goods ..		N.A.	6	13
Precious Stones and Pearls uncut ..		6	23	31
Printing and Lithographing Machinery ..		7	9	9
Provisions and oilman's stores ..		84	1,92	1,62
Salt ..		2	16	52
Soap ..		6	32	33
Sugar ..		17	57	4,26
Flax ..		3	0-2	3
Haberdashery and Millinery ..		1,64	2,46	2,53
Hemp, Raw ..		1,28	2,48	1,44
		(13,556 tons.)	(20,850 tons.)	(16,800 tons.)
Hemp manufactures ..		3	7	5
Toilet Requisites ..		N.A.	11	16
Toys and Requisites for Games ..		8	17	19
Umbrellas ..		2	4	4
Vehicles ..		9	10	17
Wax ..		7	12	6
Wood and Timber ..		77	97	1,16
Wood and Timber Manufactures ..		2	4	10

Oils (Value—Rs. in lakhs. Quantity in thousands.)

		1950-51	1951-52	1952-53
Essential				
Lemon grass oil ..	{ V. Q. lb.	1,33 1,147	1,49 1,094	39 840
Palmarosa oil ..	{ V. Q. lb.	89 167	27 103	21 139
Sandalwood oil ..	{ V. Q. lb.	73 210	33 66	49 125
Total Essential ..	{ V. Q. lb.	2,60 1,574	2,11 1,289	49 1,148
Non-Essential				
Castor ..	{ V. Q. cwt.	4,85 485	6,57 470	7,55 747
Groundnut ..	{ V. Q. cwt.	16,74 1,663	4,32 404	10,46 1,364
Linseed ..	{ V. Q. cwt.	1,10 113	5,66 501	4,66 565
Mustard ..	{ V. Q.	3 2	5 3	9 9
Total Non-Essential ..	{ V. Q. cwt.	23,16 2,690	20,65 1,706	22,65 2,644
Total of Oils ..	{ V. Q.	29,160 29,160	21,446 21,446	34,601 34,601

Paints and Painters' Materials (Value—Rs. in lakhs)

—	1950-51	1951-52	1952-53
Graphite and other paints and colours	11	47	12
Turpentine	4	10	3
Other sorts of painters' materials ..	3	8	13
	18	65	28

Paper and Pasteboard, etc. (Value—Rs. in lakhs.)

—	1950-51	1951-52	1952-53
Paper	24	27	56
Pasteboard, Millboard and Card-board	0 67	0 26	7
Paper-making materials .. .	68	1,17	30

Rubber (Value Rs. in lakhs.)

—	1950-51	1951-52	1952-53
Raw Rubber { V. 20 0 4 Q. m. lb. 2 1 0 3 0 2			
Pneumatic Covers { V. 54 54 1,23 Q. m. lb. 0 09 0 08 0 14			
Pneumatic Tubes	17	9	10
Other sorts	94	44	10

Seeds (Value—Rs. in lakhs. Quantity in thousand tons.)

—	1950-51	1951-52	1952-53
Oilseeds Essential { V. 91 1,21 60 Q. 6.4 7.0 4.8			
Oilseeds Non-essential			
Castor { V. 5,92 16 38 Q. 78.6 1.2 4.3			
Groundnuts { V. 3,57 2,35 1,40 Q. 38.4 19.7 12.7			
Linseed { V. 5,67 70 0.5 Q. 67.6 7.3 0.07			
Mowra { V. — — — Q. — — —			
Mustard { V. 1 3 0.4 Q. 0.09 0.2 0.05			
Niger { V. 24 41 1,20 Q. 3.3 4.5 19.8			
Sesamum { V. 12 29 25 Q. 0.9 2.3 2.3			
Other sorts { V. 51 2,58 54 Q. 7.5 37.8 11.2			
Other than oilseeds { V. 33 23 20 Q. 3.3 1.3 1.4			
Total Seeds { V. 17,29 7,96 4,66 Q. 206 81 57			

Spices (Value—Rs. in lakhs. Quantity in thousand cwt)

—	1950-51	1951-52	1952-53
Betelnuts { V. 6 7 7 Q. 4.7 3.3 4.1			
Cardamoms { V. 1,47 1,64 1,64 Q. 12.4 13.9 19.4			
Chillies { V. 80 1,10 1,82 Q. 61.1 86.9 202.2			
Ginger { V. 92 85 52 Q. 43.9 52.4 64.3			
Pepper { V. 20,40 23,22 15,96 Q. 307.9 298.3 246.2			
Turmeric { V. 1,26 1,00 47 Q. 205.6 211.7 152.6			
Total of Spices { V. 24,93 27,89 20,48 Q. 636.7 660.9 680.5			

Tea (In million lb)

—	1950-51	1951-52	1952-53
United Kingdom ..	287 0	287 7	281 3
U.S.A. ..	37 6	26 7	29 6
Canada	21 0	19 1	22 6
Egypt	3 5	3 6	13 2
Australia	16 9	6 4	12 6
Kuwait	5 0	8 1	9 0
Netherlands	3 9	5 9	7 6
Total Exports ..	439 2 (Rs. 79,87 lakhs)	425.5 (Rs. 93,36 lakhs)	423 7 (Rs. 80,30 lakhs)

Textiles**COTTON RAW (Value—Rs. in lakhs. Quantity in thousand tons)**

—	1950-51	1951-52	1952-53
Japan { V. 31 5,53 11,14 Q. 1.4 8.6 38.6			
U.S.A. { V. 2,19 4,71 1,62 Q. 5.8 8.7 6.6			
France { V. 5 22 1,23 Q. 0.2 0.4 4.7			
Western Germany { V. 6 9 1,06 Q. 0.2 0.1 3.9			
Total { V. 4,94 13,68 19,32 Q. 14.6 22.98 70.8			

COTTON WASTE (Value—Rs. in lakhs. Quantity in thousand cwt.)

—	1950-51	1951-52	1952-53
United Kingdom .. { V. 4,26 1,84 2,76 Q. 387 136 300			
U.S.A. { V. 1,68 86 1,16 Q. 291 148 277			
Japan { V. 1,01 29 1,75 Q. 49 14 196			
Total { V. 12,41 7,35 9,62 Q. 1,307 623 1,257			

COTTON MANUFACTURES (Value—Rs. in lakhs. Quantity in millions.)

		1950-51	1951-52	1952-53
Twist and Yarn ..	{ V. Q. lb.	17.07 74.5	1.97 6.2	4.25 17.3
Piecegoods ..	{ V. Q. yds.	116.68 1,270	51.67 424	61.33 615
Hosiery ..	{ V. Q.	86 1.79	98	
Piecegoods (Handlooms)	{ V. Q. yds.	10.88 59.8	9.17 39.96	8.69 54.4
Piecegoods Mill-made Grey.	{ V. Q. yds.	42.78 555.0	22.44 219.1	17.02 212.1
Piecegoods Mill-made White Bleached ..	{ V. Q. yds.	23.18 251.3	6.68 58.9	10.65 115.6
Piecegoods Mill-made Coloured, Printed or Dyed.	{ V. Q. yds.	39.83 403.6	13.37 105.5	24.97 232.6
Cotton Manufactures	V.	136.71	58.10	69.32

JUTE MANUFACTURES (Value—Rs. in lakhs. Quantity in millions.)

		1950-51	1951-52	1952-53
Twist and Yarn ..	{ V. Q. lb.	1.04 10.6	1.32 7.5	22 2.5
Manufactures				
Sacking Gunny Bags	{ V. Q. Tons.	51.76 0.328	122.92 0.446	57.33 0.354
Hessian ..	{ V. Q. Tons.	3.42 0.018	12.32 0.026	3.67 0.016
Sacking .. Cloth	{ V. Q. Tons.	1.59 0.009	3.35 0.011	1.61 0.009
Hessian ..	{ V. Q. Tons.	51.01 0.254	121.23 0.276	61.60 0.296
Rope and Twine ..	{ V. Q. cwt.	1.14 0.140	1.33 0.110	1.00 0.129
TOTAL—Jute manufactures including Twist and Yarn.	{ V. Q. Tons.	113.95 0.650	269.96 0.808	129.06 0.707

OTHER TEXTILES, RAW AND MANUFACTURED (Value—Rs. in lakhs. Quantity in thousands.)

		1950-51	1951-52	1952-53
Silk, Raw ..	{ V. Q. lb.	14.5 882	38.5 868	15.7 712
Silk Manufactures ..	V.	16.0	26.4	20.6
Artificial Silk Piecegoods	{ V. Q. yds.	97 6,990	1.17 8,414	40 3,497
Wool, Raw ..	{ V. Q. lb.	7.87 25,371	4.90 18,296	8.42 37,979
Wool, manufactures	V.	6.07	6.49	3.27
Carpets and Rugs	{ V. Q. lb.	5.56 14,091	5.88 11,591	2.79 7,121
Miscellaneous—Raw	V.	4	6	8
.. —Manufactured	V.	9	8	3
Total—All Textiles, Raw Material ..	V.	26.75	28.82	39.04
Total—All Textile Yarns and Fabrics ..	V.	259.66	338.60	204.99

Tobacco (Value—Rs. in lakhs. Quantity in million lb.)

		1950-51	1951-52	1952-53
Tobacco, unmanufactured ..	{ V. Q.	13.05 93.03	14.12 100.35	11.98 75.14
Tobacco, manufactured ..	{ V. Q.	2.16 5.25	2.82 7.11	1.47 4.25
Bidis ..	{ V. Q.	N.A. N.A.	N.A. N.A.	1.35 3.65
Cigarettes ..	{ V. Q.	60 0.85	1.12 1.66	6.03 0.87
Total of Tobacco ..	{ V. Q.	15.21 98.29	16.93 107.46	13.46 79.39

LIST OF IMPORTED COMMODITIES

Below we give a list of commodities imported into India with the exact quantity and value for 1952-53. In general commodities the value of whose imports is less than Rs. one lakh are omitted.

This is a more detailed list than the one before.

	Quantity	Value
		Rs.
Animals :		
Horses	427 nos.	21,55,381
Other kinds of animals	1,294 "	1,11,708
Apparel :		
Hats, caps, bonnets and hatters' ware	—	3,34,775
Waterproofed clothing	—	212
Arms, Ammunition, Military Stores :—		
Shotgun cartridges, filled	13,290,237 nos.	30,35,722
Rifle and other cartridges, filled	2,657,339 "	2,92,919
Cartridge cases, empty	528,326 "	30,975
Explosives	—	1,93,35,756
Firearms	35,700 "	62,82,100
Firearm parts	—	8,22,758
Gunpowder	198,511 lb.	3,04,315
Total arms and ammunition	—	3,20,85,537
Art, Works of (other than pictures)		
Asbestos, raw	171,386 cwt	47,148
Asbestos manufacture (packing, sheets, cement)	—	1,13,60,891
Baskets and basketware	—	52,51,226
Belting for machinery (cotton, hair, leather, etc.)	—	5,483
Bobbins	—	1,60,77,792
Books, maps, charts	—	33,49,580
Books and shoes	35,727 cwt.	99,02,887
Bristles and fibre	5,812 pairs	23,212
Brushes and brooms	130 cwt.	32,853
Brushes and brooms	70,404 doz.	8,65,131
Building Material :		
Asphalt	183,359 tons	5,28,05,946
Fire bricks	1,559,348 nos	30,75,975
Cement, Portland	1,394 tons	3,71,226
Cement (other kinds)	2,154 "	8,40,125
Tiles	958,291 nos.	2,99,640
Total of building material	—	5,94,87,803
Buttons	68,080 gross	3,18,510
Canes and rattans	12,638 cwt.	8,72,342

Chemicals (excluding Manures, Medicines)

Acetic acid	17,647 cwt.	17,82,208
Carbolic acid	3,659 "	4,05,548
Citric acid	1,933 "	2,86,312
Formic acid	1,115 "	1,13,505
Tartaric acid	2,611 "	3,74,836
Total for all acids	39,340 "	40,68,454
Ammonia anhydrous	1,900 "	1,44,242
Ammonia carbonates	1,881 "	1,06,350
Ammonia Muriate	47,539 "	20,17,063
Arsenic and its oxides	1,990 "	1,77,834
Bleaching materials	54,978 "	14,02,249
Calcium carbide	104,212 "	35,86,611
Copper sulphate	16,640 "	12,17,150
Disinfectants	41,367 "	38,66,042
Magnesium compounds (other than chloride and sulphate)	9,649 "	5,86,032
Phosphorus	2,500 "	6,94,886
Potassium chlorate	18,294 "	12,47,374
Potassium compounds (other than bichromate, chlorate, cyanide)	12,700 "	12,80,526
Sodium carbonate	1,631,789 "	2,54,29,441
Sodium cyanide	9,069 "	7,02,983
Caustic soda	5,11,049 "	1,45,71,171
Sodium hydrosulphite	42,936 "	46,89,179
Sodium sulphide	12,668 "	4,42,108
Sulphur	1,478,818 "	2,50,70,924
Zinc chloride	4,935 "	3,61,932
Other sorts of chemicals	—	3,18,81,676
Total of chemicals	—	12,68,30,446
China clay	216,698 "	17,92,609

	Quantity	Value
		Rs.
Clocks and watches :		
Clocks and time-pieces	226,188 nos.	24,70,197
Watches	213,960 "	52,66,393
Parts of clocks and watches	—	5,84,040
Total of clocks and watches	—	83,20,930
Cordage and rope	1,028 cwt.	1,64,830
Cork manufactures	13,013 "	25,67,613
Cutlery :		
Safety razors	70,670 doz.	5,79,263
Razor blades	1,036,679 gross	51,10,398
Other kinds of razors	13,954 doz.	3,44,686
Cutlery (other than what is mentioned and pruning knives)	—	19,41,066
Total of cutlery	—	81,18,272

Drugs and Medicines

Asafoetida	7,685 cwt.	13,65,789
Camphor	498,913 "	11,22,890
Liver extracts	—	8,92,497
Paludrine	—	13,59,787
Penicillin and its products	—	1,64,58,176
Proprietary and patent medicines	—	23,35,113
Quinine salts	72,410 lb.	19,25,286
Saccharine	—	8,76,056
Streptomycin and other antibiotics	—	2,45,17,306
Sulpha drugs	—	95,64,280
Total of drugs and medicines	—	11,31,99,962

Dyeing and Tanning Substances

Tanning barks	43,070 cwt.	10,93,223
Dyeing and tanning (Cutch and gambler)	36,444 "	43,44,177
Congo, red	393,210 "	10,23,355
Naphthols (dyes)	968,750 lb.	90,42,187
Rapid fast colours	254,324 "	40,09,258
Bases	660,340 "	55,76,065
Indigo	346,706 "	18,39,299
Paste (vats)	70,080 "	10,00,425
Powder (vats)	670,639 "	3,03,59,038
Sulphur, black	1,147,096 "	24,00,135
Metanil, yellow	118,461 "	5,14,084
Saffron	15,103 "	15,86,552
Wattle extracts	130,527 cwt.	67,79,190
Other sorts (including lac-dye)	33,558 "	16,68,778
Total of dyes and tanning substances	—	9,06,41,770

Earthenware and porcelain :

Sanitary ware	—	25,42,292
Other kinds	—	12,73,096
Porcelain	—	5,09,020
Total of earthenware and porcelain	—	43,24,408
Fish :		
Fish, dry, unsalted	48,909 cwt.	7,44,703
Fish, salted	8,990 "	3,17,974
Fish, wet, salted	12,392 "	5,55,368
Other sorts of fish	1,825 "	2,06,510
Total of fish	73,275 "	18,82,692
Fodder, bran and pollards	31,427 "	6,47,672

Fruits and Vegetables

	Quantity	Value
		Rs.
Coconuts	1,553,153 nos.	3,84,851
Other fresh fruit	—	24,59,388
<i>Total of fresh fruit and vegetables ..</i>	—	28,50,028
Almonds	3,773 tons	1,23,70,092
Cashewnuts	51,682 "	4,65,83,818
Currants and raisins	3,045 "	40,89,276
Dates	62,847 "	2,37,26,455
Other sorts of dried, preserved fruit	2,001 "	34,03,191
<i>Total of fruits and vegetables dried, etc.</i>	123,348 "	9,02,32,831
<i>Total of all fruits and vegetables ..</i>	—	9,30,82,859
Furniture and Cabinetware ..	—	15,50,953

Glass and Glassware

Beads and false pearls	2,416 cwt.	12,03,930
Bottles and phials	92,088 gross	12,00,078
Funnels, globes, glass parts of lamps	—	3,80,091
Scientific glassware	—	4,86,046
Sheet and plate	197,353 sq ft.	57,25,456
Tableware	—	1,36,652
Other glassware	—	36,72,348
<i>Total of glass and glassware ..</i>	—	1,28,05,201
Glue	5,470 cwt.	5,68,419

Grain, Pulse, Flour

Barley	—	2,54,541
Jawar and bajra	—	1,37,845
Milo and sorghum	—	22,35,17,720
<i>Pulses :</i>		
Dry beans	—	16,23,000
Gram and gram products	—	80,77,969
Other sorts	—	1,52,24,132
<i>Total of pulses</i>	—	2,49,25,101
Rice not in husk	—	43,03,08,700
Semolina	—	12,19,676
Wheat	—	81,82,41,390
Wheat flour	—	3,05,11,519
Other sorts	—	19,15,096
<i>Total of grain, pulse and flour ..</i>	—	1,53,10,31,579
Graphite crucibles	1,520 cwt.	1,56,490
<i>Gums and resins :</i>		
Arabic	64,233 "	30,43,860
Benjamin	3,295 "	9,45,698
Dammer (resins)	32,799 "	13,32,237
Olibanum or frankincense	2,111 "	1,07,910
Rosin	2,273 "	1,14,171
Other sorts	19,167 "	19,60,838
<i>Total of gums and seeds</i>	123,878 "	84,04,714
Hair and manufactures	—	2,33,450

Hardware (excluding Cutlery, Electroplated Ware)

Agricultural implements	—	1,46,888
Builders' hardware (locks, door-bolts, etc.)	—	15,70,080
Domestic hardware (other than enamelled hardware)	—	6,73,600
Enamelled ironware	—	2,64,786
Hinges	231,077 gross	42,48,412

Hardware (excluding Cutlery, Electroplated Ware)—(Contd.)

	Quantity	Value
		Rs.
Grub hose (mamooties or powrahs)	9,033 doz.	3,01,041
Grub hose (other than mamooties or powrahs)	—	1,14,93,678
Lamps, oil pressure metal	37,893 nos.	15,86,837
Lamps, metal, other kinds	—	4,22,627
Lamps, Parts of, other than glass	—	5,04,106
Hand pumps	11,750 nos.	1,82,757
Stoves	46,779 "	7,48,141
Stoves, Parts of	—	5,21,700
Other sorts (of hardware)	—	1,77,54,617
<i>Total of hardware (excluding cutlery and electroplated ware) ..</i>	—	4,04,47,586
Hides and skins, raw	871 tons	83,53,352
Hops	367 cwt.	1,44,274

Instruments, Apparatus, Appliances

Electrical fans and parts	—	4,46,371
Electric wires and cables (rubber insulated)	—	78,04,373
Electric wires and cables (insulations other than rubber)	—	6,07,80,957
Telegraph and telephone wires and cables	—	10,16,925
Bare copper wire (electrolytic), other than telegraph and telephone wires	5,355 cwt.	11,57,727
<i>Total of electric wires and cables ..</i>	—	7,07,39,082
Telegraph and telephone instruments and apparatus	—	38,51,185
Electric lamps and parts	305,275 nos.	3,89,392
Vacuum electric bulbs	141,081 "	1,59,611
Electric bulbs for automobiles	5,693,323 "	19,80,537
Electric bulbs for torches	19,724,439 "	18,98,899
Electric lamps, other sorts	1,563,280 "	28,80,961
Electric lamp parts and accessories	—	9,66,728
Flashlights, torches and parts	6,640,635 "	72,90,076
Batteries for other than flashlights	—	16,82,174
<i>Total of batteries</i>	—	16,84,121
Carbons, electric	—	22,25,517
Accumulators	—	29,60,550
Condensers, electric	—	5,57,371
Electric bell apparatus (not telegraphic or telephonic)	—	1,41,825
Electric lighting accessories and fittings	—	49,07,341
Electric meters	—	67,15,449
<i>Total of electric instruments (other than meters, telegraph or telephone)</i>	—	20,79,763
Electro-medical apparatus	—	28,72,308
Switchboards, electrical	—	5,26,071
Electric porcelain ware	—	4,42,757
Electrical goods and apparatus not enumerated	—	2,23,04,630
<i>Total of electrical apparatus, etc. not being machinery</i>	—	13,81,42,194
Musical accessories	—	10,90,194
Musical instruments (other than talking machines, records, accessories) and parts	—	4,66,279
<i>Total of musical instruments ..</i>	—	16,25,568
Optical	—	37,39,187
<i>Photographic :</i>		
Cinema projecting apparatus, and parts and accessories	—	25,57,920
Sound recording apparatus, and parts and accessories	—	10,70,237
Cinematograph raw films	247,641,494 ft.	1,66,07,520
Cinematograph exposed films	12,946,856 "	39,99,429
<i>Total of cinematograph films ..</i>	260,588,350 "	2,05,76,949
Films (other than cinematograph)	—	99,02,519
<i>Total of photographic films ..</i>	—	3,41,07,615
Scientific instruments	—	48,70,331
Surgical instruments	—	35,74,052

Instruments, Apparatus, Appliances—(Contd.)

	Quantity	Value
		Rs.
Wireless apparatus	19,286	36,09,299
Wireless valves	567,825	16,31,236
Parts of wireless receivers other than valves	—	80,70,785
Total of wireless apparatus	—	1,49,90,589
Apparatus other than enumerated	—	2,10,94,274
Total of instruments, apparatus	—	22,21,43,830
Ivory, unmanufactured	263,418 lb.	28,09,090
Ivory, manufactured	—	2,542
Total of ivory	—	28,72,541
Jewellery	—	40,415
Plate of gold and silver	—	6,38,155
Lac	1,993 cwt.	1,11,114
Leather, unwrought	—	9,91,670
Leather cloth	—	3,22,207
Leather pickers	203 "	2,11,418
Leather picking bands and straps	363 "	2,47,207
Leather roller skins	125 "	3,20,123
Total of leather	—	18,70,776

Liquors

Ale and beer in bottle	1,030,277 gls.	53,53,825
Total of ale and beer	1,030,539 "	53,55,178
Stout and porter	28,648 "	2,03,744
Brandy	27,484 "	12,16,309
Gin	21,911 "	4,87,360
Liqueurs	10,804 "	4,26,366
Whisky	183,207 "	56,49,015
Drugs, medicines, etc. containing spirits	190,240 "	86,63,349
Total of spirits	458,768 "	1,74,87,381
Wines	58,879 "	17,97,829
Total of liquors	1,591,751 "	2,49,67,400

Machinery and Millwork

Prime Movers (other than electrical):		
Locomotive oil engines (including for railways)	109 nos.	42,98,877
Locomotive oil engines (including for railways) parts	—	9,10,468
Locomotive steam engines (including for railways)	31 nos.	28,60,799
Parts of above	—	64,25,192
Railway locomotive engines and tenders and parts	—	45,73,106
Parts of gas engines	—	1,46,908
Oil engines (other than locomotives) for marine purposes	85 nos.	7,22,888
Total of oil engines other than locomotives	17,899 nos.	4,50,43,324
Parts of oil engines	—	1,06,81,535
Steam engines (other than locomotives)	10 nos.	4,06,736
Parts of steam engines (other than locomotives)	—	10,07,010
Total of prime movers	—	8,95,92,697
Electrical machinery:		
Control and switchgear	—	5,48,35,568
Generators, alternators, dynamos	—	2,46,30,075
Motors	—	1,22,90,168
Transformers	—	1,44,24,861
Turbo-generating sets	—	1,29,53,785
Others	—	5,23,20,326
Total of electrical machinery	—	17,14,84,773
Machinery (other than prime movers or electrical):		
Aerated water-making machinery	—	2,44,758
Agricultural tractors and parts	—	3,86,54,738
Ploughs and parts	—	87,34,350

Machinery and Millwork—(Contd.)

	Quantity	Value
		Rs.
Air compressors	—	87,80,533
Boilers	—	4,18,96,081
Boot and shoe manufacturing machinery	—	11,73,718
Earthmoving and shifting machinery	—	1,35,29,416
Excavating machinery	—	18,21,044
Leather tanning and curing machinery	—	3,33,117
Metal working machinery:		
Machine tools (drilling, grinding, milling, planing, shaping, lathes)	—	1,93,67,485
Other machine tools	—	1,17,21,810
Total of metal working machinery	—	3,10,89,295
Mining Machinery:		
Coal mining	—	37,58,190
Mining (other than coal)	—	1,10,13,914
Total of mining machinery	—	1,56,72,104
Oil crushing and refining machinery	—	6,70,171
Paper-mill machinery	—	1,44,46,633
Pumping machinery:		
Pumping machinery (reciprocating)	—	6,51,693
Centrifugal machinery (including turbine pumps)	—	80,62,889
Total of pumping machinery	—	2,44,34,501
Refrigerators (domestic)	4,020 nos.	33,83,743
Refrigerators (other than domestic)	—	50,25,094
Total of Refrigerators	—	84,08,837
Rice and flour-milling machinery:		
Flour-mill machinery	—	9,24,030
Rice-mill machinery	—	6,43,336
Total of rice and flour-mill machinery	—	15,68,266
Saw-mill and wood-working machinery	—	47,61,437
Sewing and knitting machines:		
Sewing machines	20,003 nos.	54,30,455
Knitting machines	481 "	9,94,052
Total of sewing and knitting machines	—	64,24,507
Parts of sewing and knitting machines and accessories	—	25,24,115
Total of sewing and knitting machines and of parts	—	89,48,622
Sugar machinery	—	64,24,283
Tea machinery	—	82,94,082
Cotton textile machinery:		
Bleaching and dyeing machinery	—	29,18,939
Printing machinery	—	31,18,171
Spinning machinery	—	4,18,35,938
Weaving machinery	—	1,92,15,001
Other sorts	—	2,63,81,106
Total of cotton textile machinery	—	9,34,69,155
Jute machinery	—	1,77,82,932
Shuttles (excluding those for sewing machines)	—	32,09,438
Wool machinery	—	32,50,130
Other textile machinery not enumerated	—	4,67,72,661
Total of all textile machinery	—	16,44,84,316
Typewriters	17,792 nos.	66,84,386
Parts of typewriters and accessories	—	11,30,018
Other sorts of machinery and millwork not enumerated	—	13,79,42,891
Total of all machinery and millwork	—	85,70,31,440

Manures (excluding oil cakes)

	Quantity	Value
		Rs.
Nitrate of soda	9,765 tons	32,21,006
Ammonium sulphate	19,948 "	85,46,470
Other nitrogenous manures	5,054 "	29,71,416
Muriate of potash	4,950 "	14,46,463
Other potassic manures	305 "	1,12,031
Superphosphate	2,079 "	9,13,236
Other phosphatic manures	13,469 "	13,50,862
Ammonium phosphate	1,350 "	8,16,331
Other compound manures	7,301 "	8,80,891
Total manures (excluding oil cakes)	64,221 "	2,02,59,306
Safety matches	394 gross boxes	1,864
Other sorts of matches	9 "	87
Total matches	403 "	1,954
Mats and matting (except coir and rubber)	123,450 sq.yd.	44,139

Metals and Ores

		Rs.
Aluminium (unwrought)	23,731 cwt.	33,50,805
Aluminium (wrought)	4,978 "	9,41,384
Aluminium (sheets)	12,049 "	22,14,498
Aluminium (other manufactures not specified)	80,019 "	1,75,26,644
Total of aluminium	120,777 "	2,40,33,331
Antifriction metal	268 "	1,36,598
Brass, bronze and similar alloys :		
Unwrought	87 cwt.	16,708
Yellow metal sheets	265 "	69,164
Rods	8,087 "	16,39,440
Sheets	1,214 "	3,25,708
Tubes	2,552 "	7,56,580
Wire	909 "	2,81,357
Wood screws	993 "	3,97,550
Others not enumerated above	17,775 "	35,87,896
Total of brass, bronze etc.	31,882 "	70,74,482
Copper :		
Old copper for remanufacture	3,494 "	4,48,621
Unwrought (tiles, ingots, cakes, bricks, slabs)	148,149 "	2,32,40,556
Other sorts unwrought	241,694 "	4,85,67,260
Total of unwrought copper	390,843 "	7,18,07,816
Rods	149 "	38,827
Sheets	942 "	2,23,915
Tubes	1,076 "	3,06,751
Wire (excluding telephone, and telegraph)	265 "	72,792
Other copper manufactures (not enumerated)	16,444 "	32,86,957
Total of copper wrought	18,876 "	39,89,242
Total of copper (excluding ore)	412,213 "	7,62,45,579
Ferro alloys	1,293 tons	32,93,930
German silver (including nickel silver)	9,406 cwt.	12,60,028
Iron ore	506 tons	96,588
Pig iron	20 "	13,567
Iron angle, tee, bolt, rod	40 "	29,418
Iron bars and channels	35 "	30,001
Total of iron (excluding ore)	95 "	73,076
Steel :		
Steel, angle and tee	380 "	2,69,178
Steel springs	—	2,291
Steel bars (other than cast steel) under 1/2" round or square	13 "	11,918
Steel bars (other than cast steel) others	14,514 "	1,23,31,890
Total steel bars (other than cast steel)	14,527 "	1,23,43,806
Cast steel tool, high speed	933 "	44,91,073
Cast steel tool, carbon	92 "	1,69,482
Cast steel bars	3 "	3,846

Metals and Ores—(Contd.)

	Quantity	Value
		Rs.
Cast steel (not enumerated above)	49 Tons	86,031
Total of cast steel	1,077 "	47,00,232
Steel ingots, blooms, billets, slabs	29,037 "	1,59,83,887
Total of steel	45,021 "	3,32,99,396
Iron or steel :		
Anchor and cables	83 "	1,22,473
Beams, channels, pillars, girders and bridgework	619 "	7,41,662
Bolts and nuts	3,206 "	60,54,542
Fencing material (including fencing wire)	1,772 "	20,57,512
Hoops and strips	10,795 "	1,05,07,706
Nails, rivets and washers (excluding wire nails)	5,269 "	84,11,768
Old, for remanufacture	830 "	5,90,618
Pipes and fittings (cast)	3,029 "	40,58,892
Rails, chairs and fish-plates (including those for railway)	1,030 "	9,25,530
Screws (wood)	1,588 "	39,30,959
Screws (metal thread)	313 "	8,60,430
Total of screws	1,901 "	47,91,389
Sheets and plates, corrugated (galvanized)	44 "	63,670
Sheets and plates, plain (galvanized)	929 "	9,51,616
Total of sheets and plates (galvanized)	973 "	10,15,285
Tinned, tin plates	33,570 "	4,08,34,792
Tinned (other than tin plates)	245 "	4,34,452
Tinned, total	33,284 "	4,12,69,244
Sheets and plates (not galvanized or tinned) :		
Sheets upto 1/2" thick	3,992 "	82,33,145
Plates over 1/2" thick	3,209 "	19,20,721
Other sorts	9,869 "	79,03,302
Total of sheets and plates (not galvanized or tinned)	17,070 "	1,80,57,168
Total of sheets and plates	51,867 "	6,03,41,707
Sleepers and keys of steel or iron for railways	458 "	3,37,402
Tubes, pipes and fittings (wrought) upto 6" in diameter	21,535 "	2,97,06,940
Tubes, pipes and fittings (wrought) others	19,555 "	2,90,32,105
Total of tubes, fittings (wrought)	41,090 "	5,87,39,045
Wire nails	1,001 "	13,53,853
Wire rope (black)	5,049 "	89,36,408
Wire rope (galvanized)	1,822 "	34,51,196
Total of wire rope	6,871 "	1,23,87,604
Wire (other than fencing wire)	17,202 "	1,82,46,766
Iron and Steel (other manufactures)	8,529 "	1,46,72,242
Total of iron and steel	156,152 "	20,43,40,711
Lead (unwrought) ore	49 "	1,13,680
Lead (pig)	59,548 cwt.	56,85,398
Lead (other sorts)	2,964 "	2,49,762
Sheets	3,417 "	4,43,817
Pipes and tubes	594 "	1,19,043
Other sorts (wrought)	480 "	58,330
Quicksilver	2,621 lb.	33,871
Solder	714 cwt.	2,85,861
Tin (unwrought) blocks, ingots, bars, slabs	40,232 "	2,47,45,324
Tin (wrought) tin foils	4 "	3,388
Tin (wrought) other sorts	336 "	1,41,960
Total of tin	40,572 "	2,48,90,681
Zinc or spelter (unwrought)	403,712 "	3,91,16,528
Zinc (wrought or manufactured)	22,178 "	32,80,005
Zinc (other sorts)	35,259 "	30,22,607
Total of zinc or spelter	461,149 "	4,54,19,140
Metals (unenumerated)	10,558 "	43,75,965

Metals and Ores—(Contd.)

	Quantity	Value
		Rs.
Ores (unenumerated)	2,770 tons	10,13,340
Total of metals	260,288 "	43,13,18,909
Total of ores	3,334 "	21,23,608
Mica splittings	370 cwt.	1,20,690
Total mica (blocks and splittings) ..	370 "	1,66,403

Oils

Animal oils, fish or whale (hardened)	335 cwt.	21,298
Animal oil, fish or whale (others) ..	37,225 gal.	1,98,316
Essential oils	91,486 "	77,33,082
Mineral oils (kerosene)	265,830,349 "	21,74,06,730
Fuel oils (diesel)	156,693,733 "	9,44,48,243
Fuel oils (others)	161,002,943 "	5,46,85,179
Total of fuel oils	317,696,676 "	14,91,33,422
Lubricating oils (batching oils) ..	21,337,298 "	1,78,58,325
Lubricating oils (other)	39,729,994 "	11,31,83,452
Total of lubricating oils	61,067,292 "	13,10,41,777
Petroleum, motor spirit (including petrol, benzine, benzol) ..	243,404,737 "	25,18,31,324
Petroleum (other than motor spirit)	4,866,123 "	74,28,426
Total of petroleum	248,270,860 "	25,92,59,750
Paints, solutions, compositions (dangerous)	76,124 "	7,75,471
Mineral oils (other kinds)	5,863,562 "	1,04,45,824
Total of mineral oils (other than kerosene)	632,974,514 "	55,06,56,214
Mineral grease, including petroleum jelly	7,768,563 lb.	51,56,572
Vegetable (non-essential) oils :		
Coconut oil	5,873,692 gal.	3,08,19,923
Other sorts of oil (excluding linseed)	1,343,324 "	56,70,388
Total of vegetable non-essential oils ..	7,217,593 "	3,65,06,844
Total of oils	—	81,77,69,825
Oil cloth and floor cloth	167,728 sq.yd.	2,19,535
Packing, engine and boiler of all kinds excluding asbestos	—	5,90,546

Paints and Painters' Material

Paints and colours :		
Blue paint or Paris blue	24,397 cwt.	24,56,798
Graphite	7,127 "	4,55,305
Lithophone (dry)	29,918 "	11,53,426
Other sorts (than those mentioned above and red lead, white lead, zinc) white dry ..	15,460 "	2,36,597
Other sorts, coloured	29,068 "	42,03,778
Other sorts, white moist	7,560 "	4,32,382
Other sorts, coloured	4,782 "	8,58,859
Total of paints and colours	111,862 "	99,75,632
Painters' materials :		
Turpentine, genuine	36,018 "	9,45,020
Turpentine, substitute	34,628 "	4,75,274
Varnishes (other than enamels and lacquers)	537 "	1,07,945
Other kinds of painters' materials	—	10,31,503
Total of painters' materials	—	35,38,773
Total of paints and painters' materials	—	1,35,14,405

Paper and Pasteboard

	Quantity	Value
		Rs.
Paper :		
Packing and wrapping paper, kraft including imitation ..	90,676 cwt.	68,16,078
Manilla and sulphite envelopes ..	21,778 "	16,03,975
Fancy including embossed paper ..	1,047 "	—
Oiled, waxed and other waterproof wrappings	7,871 "	10,67,067
Other sorts (other than those enumerated above and brown wrapping and coloured pressings)	101,714 "	88,86,162
Total of packing and wrapping paper	223,565 "	1,85,07,980
Printing paper :		
Machine-glazed poster paper ..	36,432 "	31,20,129
White printing paper (other than machine-glazed poster and litho), news printing ..	1,085,446 "	5,01,35,916
White printing paper (other than machine-glazed poster and litho), others	78,932 "	44,14,768
Other sorts	95,585 "	50,15,848
Total of printing paper	1,296,014 "	6,39,15,508
Writing paper and envelopes :		
Azurized or wove and ledger ..	10,545 "	9,84,873
Cream	16,045 "	10,27,239
Other sorts of writing paper	1,27,216 "	98,68,172
Total of writing paper and envelopes ..	1,54,934 "	1,19,55,201
Blotting paper	1,689 "	2,34,612
Old newspapers in bales and bags	2,65,516 "	54,92,847
Other kinds of paper	64,003 "	83,96,179
Paper manufactures	27,911 "	35,91,578
Total of paper	2,033,632 "	11,21,20,911
Pasteboard, millboard and cardboard of all kinds :		
Straw boards	11,600 "	1,90,100
Other kinds	82,618 "	47,39,143
Total of pasteboard, millboard, and cardboard	95,002 "	50,54,241
Total of paper and pasteboard	2,129,194 "	11,71,81,152
Paper-making materials :		
Pulp of wood	1,59,027 "	91,21,392
Rags and other materials	14,715 "	2,90,435
Total of paper making materials ..	1,73,742 "	93,24,827
Perfumery (not being perfumed spirit)	2,08,717 "	2,03,717
Pitch and tar	3,392 "	1,03,876
Plants including bulbs and seeds ..	—	14,54,120
Plastic materials and manufactures :		
Synthetic resins and moulding powder	76,402 "	1,40,10,796
Semifabricated plastic materials ..	—	87,53,401
Finished plastic goods (not elsewhere classified)	—	11,39,354
Total of plastic materials and manufactures	—	2,30,03,551
Polishes :		
For application to leather	—	10,06,305
For application to metals	—	7,72,100
Other sorts (excluding the two mentioned above and wood polish)	—	7,93,733
Total of polishes	—	25,83,756
Precious stones and pearls (unset) :		
Diamonds	—	3,170
Other precious stones	—	96,147
Pearls, real and culture	—	29,89,107
Total of precious stones and pearls (unset)	—	30,71,424

Printing and Lithographing Machinery and Materials

	Quantity	Value
		Rs.
Printing and lithographing presses	-	36,836
Printers' newspaper ink	-	1,41,412
Printers' rotary ink	-	1,82,295
Printers' other inks (excluding those given above and duplicating ink)	-	5,88,037
Total of printers' and lithographers' ink	-	9,22,933
Printing and lithographing other materials (other than type and inks)	-	39,60,270
Total of printing and lithographing materials	-	49,56,740
Total of printing and lithographing machinery and materials	-	1,05,93,576
Prints, engravings and pictures	-	6,49,849

Provisions and Oilman's Stores

Bacon and hams	837 cwt.	2,56,156
Blacuts and cakes	326 "	94,080
Butter (including canned)	6,910 "	20,15,702
Canned and bottled provisions :		
Canned or bottled fruit	2,296 "	2,50,429
Tinned or canned fish	2,333 "	3,66,251
Others	32,048 "	37,15,615
Total of canned and bottled	36,677 "	43,32,295
Cheese (including canned)	5,337 "	11,96,623
Cocoa and chocolate	5,987 "	12,59,290
Confectionery	392 "	1,03,777
Farinaceous and patent foods :		
Milk foods	48,087 "	1,09,12,811
Other sorts	18,805 "	33,59,878
Total of farinaceous and patent foods	67,089 "	1,42,93,638
Jams and jellies	6,038 "	6,02,967
Milk (evaporated or condensed) whole including milk cream	37,713 "	52,70,926
Milk (evaporated or condensed) skimmed or separated	9,545 "	7,25,552
Milk (dried or powder) whole	8,386 "	18,11,921
Milk (dried or powder) skimmed	1,88,079 "	2,02,65,811
Total of milk condensed and preserved	2,43,723 "	2,80,73,310
Pickles, chutnies, sauces and condiments	2,799 "	4,21,283
Other sorts of provisions	58,404 "	43,72,793
Total of provisions and oilman's stores	-	6,70,36,019
Rubber raw	7,573,616 lb.	90,18,281
Rubber (pneumatic) motor covers	4,759 "	11,55,533
Rubber (pneumatic) motor tubes	3,093 "	86,109
Rubber solid tyres for motor vehicles	890 "	1,71,377
Rubber other manufactures (except apparel, boots and shoes)	-	39,03,374
Total of rubber manufactures	-	53,35,411
Salt	2,070 tons	2,19,838

Seeds

Oilseeds (essential)	995 tons	10,04,524
Oilseeds (non-essential) copra	19,234 "	2,03,63,939
Other sorts (non-essential)	605 "	3,45,099
Total of non-essential seeds	19,839 "	2,07,09,038
Other than oilseeds and seeds for sowing	241 "	7,96,539
Total of seeds	20,775 "	2,25,10,101
Shells and cowries	10,042 cwt.	1,99,908

Seeds—(Contd.)

	Quantity	Value
		Rs.
Smokers' requisites (excluding tobacco)	-	1,91,757
Soap	1,211 cwt.	1,03,444
Spices :		
Betelnuts	705,936 "	3,26,84,056
Cassia	34,300 "	19,24,838
Cloves	1,052 "	4,83,290
Nutmegs	4,956 "	11,56,342
Pepper	3,834 "	11,61,271
Other sorts	1,122 "	3,28,191
Total of spices	751,201 "	8,77,38,360
Starch dextrine and farina	18,203 "	7,75,734

Stationery

Pencils :		
Black lead	3,626,592 doz.	16,93,786
Coloured	722,447 "	7,97,572
Copying	523,137 "	7,16,954
Total of pencils	4,872,176 "	32,08,312
Fountain pens	64,457 nos.	3,72,134
Fountain pen parts (excluding nibs)	-	10,67,014
Total of fountain pens	-	14,39,748
Ink other than printer's or lithographer's :		
Fountain pen ink	-	4,50,822
Others	-	56,846
Total of ink	-	5,07,668
Other sorts of stationery	-	55,84,875
Total of stationery excluding paper	-	1,07,40,603
Stone and marble	3,321 tons	10,90,884
Tallow and stearine :		
Tallow	89,817 cwt.	66,12,776
Total tallow and stearine	90,629 "	67,20,220
Tea	1,138,608 "	10,11,555
Tea-chests and parts	-	59,16,752
Telephone material for construction (other than electrical)	-	14,85,051

Textiles

Cotton raw	138,397 tons	76,67,13,969
Cotton twist and yarn :		
Grey unbleached above no. 50	2,497,467 lb.	1,83,48,962
Grey unbleached nos. 51 to 80	146,346 "	11,48,247
Grey unbleached above no. 80	29,731 "	2,66,928
Total of two-folds (doubles)	178,276 "	14,25,475
Total of grey	2,680,164 "	1,98,02,574
White bleached above no. 50	58,253 "	5,03,474
Total of white	62,237 "	5,51,718
Coloured above no. 50	10,900 "	1,26,674
Total of coloured	10,930 "	1,27,129
Mercerised above no. 50	15,250 "	1,35,976
Two-folds (doubles) nos. 51-80	13,464 "	1,38,979
Total of two-folds (doubles)	21,949 "	2,22,981
Total of mercerised	37,199 "	3,58,957
Total of twist and yarn	2,797,640 "	2,08,78,554
Cotton manufactures :		
Canvas	190,656 yd.	12,08,946
Piece-goods :		
Grey unbleached	18,992 "	1,85,838

Textiles—(Contd.)

	Quantity	Value
		Rs.
Total bordered grey	30,353 yd.	1,50,452
Total grey unbleached	49,345 ..	2,86,285
White bleached	859,489 ..	27,54,823
Total printed goods	104,241 ..	2,31,993
Total dyed goods	3,391,476 ..	86,22,980
Total woven coloured goods ..	146,732 ..	5,57,040
Total coloured printed or dyed	3,642,449 ..	94,12,013
Total of piecegoods	4,551,278 ..	1,24,53,121
Rope	67,980 lb.	2,99,574
Thread, sewing or darning ..	1,234,995 ..	1,21,24,635
Thread, others	125,809 ..	18,33,854
Total of thread	1,360,804 ..	1,39,58,489
Other sorts of cotton manufac- tures (including twist and yarn)	—	10,17,711
Total of cotton manufactures (in- cluding twist and yarn)	—	4,98,60,823
Total of cotton raw and manu- factured	—	81,05,75,058
Fents (of cotton not exceeding 4 yd. in length)	719,339 yd. 157,983 lb.	6,77,566
Total of fents	—	7,56,823
Flax :		
Raw	64,920 ..	1,07,155
Manufactures :		
Canvas	16,954 yd.	1,03,076
Thread, sewing	49,354 lb.	5,03,980
Other sorts	190,707 ..	17,05,504
Total of manufactures	—	23,79,167
Total of flax, raw and manu- factured	—	24,86,322
Ribbons	426,420 yd.	94,120
Total haberdashery and millinery ..	—	1,70,779
Hemp raw	37,114 cwt.	32,81,676
Hemp raw and manufactured (excluding cordage)	—	32,95,085
Jute raw	1,583 tons	7,22,233
Jute manufactures (including twist and yarn)	—	1,17,413
Total of jute raw and manufactured	—	8,39,646
Silk :		
Silk raw	242,176 lb.	54,88,648
Silk other sorts (other than raw, cocoons, waste, hand reeled) ..	55,620 ..	12,48,704
Total of silk raw and cocoons ..	297,796 ..	67,37,442
Silk piecegoods :		
Crepes and georgettes	257,800 yd.	5,41,207
Others (other than crepes, georgettes, fuji satins and tafetias)	113,174 ..	1,93,435
Total of silk piecegoods	376,561 .. 15,375 lb.	7,36,938
Total of silk manufactures	—	8,08,702
Total of silk raw and manufactures	—	75,41,144
Artificial silk yarn	22,239,238 lb.	7,85,09,071
Artificial silk piecegoods	1,153,029 yd.	26,34,467
Total of goods of artificial silk mixed with other materials ..	36,420 ..	1,31,436
Total of artificial silk	—	8,12,78,648
Wool raw	2,406,274 lb.	66,01,637
Wool tops	7,798,400 ..	4,01,22,157

Textiles—(Contd.)

	Quantity	Value
		Rs.
Wool, yarn and knitting :		
Worsted yarn for weaving	648,749 lb.	61,23,327
Knitting wool	299,665 ..	29,42,120
Other sorts	96,822 ..	5,49,137
Total yarn and knitting wool ..	1,045,236 ..	96,14,584
Wool manufactures :		
Blankets and rugs (including blankets but excluding floor rugs)	187,093 ..	5,39,700
Carpets and floor rugs	32,330 ..	89,578
Hosiery, woollen knitted apparel	22,149 ..	3,87,633
Hosiery, other sorts	66,637 ..	3,59,512
Total of hosiery	88,786 ..	6,97,145
Woollen and worsted piece- goods	1,314,740 yd. 1,438,806 lb.	92,27,794
Goods of wool mixed with other material	1,174,333 yd. 1,151,674 lb.	56,78,984
Roller cloth, clearer cloth, sizing flannel	58,915 yd. 51,084 lb.	4,43,775
Other sorts (other than those mentioned above and ruffle cloth, shawl cloth, shawls, lohis)	309,696 lb.	7,43,951
Total woollen manufactures	—	6,71,63,003
Total of wool and woollens	—	7,37,04,640
Staple fibre and yarn :		
Raw and waste	4,135,938 lb.	65,50,187
Yarn made of staple fibre	4,311,967 ..	74,57,962
Total of staple fibre and yarn ..	8,447,905 ..	1,40,08,149
Other textiles (not mentioned above) manufactured	—	30,62,753
Total textile raw materials	—	79,07,87,625
Total yarns and textile fabrics ..	—	21,90,64,211
Tobacco unmanufactured	5,459,064 lb.	1,67,05,112
Tobacco manufactured :		
Cigars	5,171 lb. 410,885 no.	81,038
Cigarettes	90,728 lb. 33,812,805 no.	10,41,127
Tobacco for pipes and cigarettes ..	11,024 lb.	1,44,610
Total of tobacco	5,569,559 ..	1,80,03,486
Toilet requisites	—	38,61,472
Toys and sports and games requi- sities :		
Toys	—	2,20,589
Playing cards	—	44,011
Other cards	—	8,96,563
Total of toys and sports and games requisites	—	11,61,163
Umbrellas	64 no.	1,993
Umbrella fittings	—	25,56,167

Vehicles

	Quantity	Value
Vehicles (excluding locomotives etc. for railways) :		
Carriages and carts not me- chanically propelled	1,069 no.	11,65,660
Parts of carriages and carts (excluding rubber tyres)	—	13,99,727
Perambulators and children's go-carts	15 ..	2,002
Total of above three items	—	25,67,389
Cycles	197,565 ..	2,09,44,787
Parts of cycles and accessories ..	—	1,35,46,322
Total of cycles and parts	—	3,44,91,109

Vehicles—(Contd.)

	Quantity	Value
		Rs.
Aircraft	14 no.	26,03,528
Parts of aircraft	—	4,54,35,175
Carriages and parts for railways	—	1,04,76,170
Wagons and parts for railways	—	2,64,43,283
Total of carriages, wagons, parts thereof for railways	—	3,60,10,453
Motor cars (including taxi-cabs)	5,160 no.	2,95,84,677
Motor cycles (including scooters)	2,403 „	37,10,773
Motor omnibuses and motor vans :		
Imported with bodies	112 „	8,33,360
Chassis	3,525 „	2,88,26,512
Total of motor omnibuses and vans	3,637 „	2,96,59,872
Tram cars	166 „	10,09,686
Other sorts of mechanically propelled vehicles	—	1,30,93,269
Parts of mechanically propelled vehicles and accessories other than aircraft (excluding rubber tyres)	—	7,70,37,225
Total of mechanically propelled vehicles	—	24,08,53,663
Vessels, non-combat (exceeding 100 tons)	1 no.	27,67,636

Vehicles—(Contd.)

	Quantity	Value
		Rs.
Other ships (including launches and boats)	9 no.	8,85,520
Parts of vessels	—	1,91,232
Total of vessels	—	38,44,628
Total of vehicles	—	28,17,56,789
Wax of all kinds other than paraffin and candles	4,583 cwt.	9,01,744

Wood and Timber

	Quantity	Value
		Rs.
Deal and pine wood	1,835 tons	11,38,328
Teak wood	17,346 „	1,45,70,221
Manufactures of wood (other than furniture, cabinetware, laminated wood)	—	35,01,475
Total of wood and timber	—	2,59,02,230
Postal articles not specified	—	3,61,54,880
Articles imported as baggage not otherwise specified	—	46,31,180
All other articles of merchandise (unmanufactured)	—	5,90,009
All other articles of merchandise (manufactured)	—	2,89,91,362
Total value of imports	—	632,95,37,131

COMMODITIES EXPORTED

Below are given the exact quantity and value of the commodities exported during 1952-53. Generally speaking those commodities the export value of which is less than one lakh are omitted.

	Quantity	Value
		Rs.
Animal :		
Cattle	243 no.	2,69,610
Sheep and goats	68,953 „	33,92,174
Other kinds (excluding cattle, horses, sheep, goats)	487,026 „	12,51,545
Total animals	556,223 „	49,14,254
Apparel (excluding hosiery, boots, shoes)	—	1,63,49,018
Arms, ammunition, military stores	—	3,89,954
Art, works of	—	52,37,177
Asbestos, raw	1,132 cwt.	3,16,791
Asbestos, manufactures	—	1,01,911
Total of asbestos	—	4,78,704
Belting for machinery	—	1,79,357
Bones, crushed and bonegrists	70,478 tons	2,20,26,557
Bones, other sorts	293 „	1,18,651
Total of bones for manufacture	70,771 „	2,21,45,208
Books, including maps, charts	18,768 cwt.	48,90,342
Boots and shoes :		
All leather	908,082 pairs	1,17,19,393
All rubber	302,507 „	7,99,447
Rubber soled with canvas uppers	1,777,999 „	28,48,406
Others	705,062 „	57,36,193
Total of boots and shoes	3,184,540 „	2,11,03,439
Bristles	3,250 cwt.	46,45,290
Building and Engineering materials other than iron, steel or wood :		
Bricks	632,544 no.	9,80,857
Cement	44,600 tons	51,84,790
Magnesite	785,691 cwt.	41,53,884
Tiles	65,502,665 no.	1,04,61,996
Other kinds (excluding those enumerated above and chalk and lime)	19,985 cwt.	8,27,481
Total of building and engineering material	—	2,16,10,911

Commodities Exported—(Contd.)

	Quantity	Value
		Rs.
Buttons	21,749 gross	1,63,993
Chemicals and chemical preparations :		
Glycerine	60,753 cwt.	90,06,329
Magnesium chloride	30,997 „	3,10,222
Total of chemicals and chemical compounds	—	1,27,28,032
Coal	2,100,546 tons	7,66,21,283
Coke	48,501 „	23,87,165
Total of coal and coke	2,149,137 „	7,90,08,448
Coffee	43,812 cwt.	1,38,17,734
Coir, unmanufactured	821 tons	6,75,254
Coir yarn	966,354 cwt.	4,54,23,619
Coir mats and mattings	247,806 „	2,02,60,051
Total of coir manufactured	1,279,490 „	7,15,11,010
Cardage and rope of vegetable fibre (other than jute and cotton)	83,811 „	63,85,415
Drugs and medicines :		
Asafoetida	2,180 „	2,47,804
Strychnia	17,961 „	3,54,387
Proprietary and patent medicines	—	13,40,487
Senna	40,883 „	17,75,145
Total of drugs and medicines	—	1,85,86,543
Dyeing and tanning substances :		
Cutch and Gambier	7,221 „	7,94,554
Indigo	249 „	74,995
Myrobalans	5,02,350 „	40,05,118
Myrobalan extracts	1,20,250 „	25,12,276
Total of dyeing and tanning	673,514 „	1,21,41,747
Earthenware and porcelain	—	2,63,879
Fibre for brushes and brooms	5,276 tons	55,25,086
Fish :		
Fish, dry and unsalted	256,942 cwt.	2,83,86,498
„ „ and salted	193,193 „	1,23,00,482
Fish maws and sharkfins	5,492 „	17,63,617
Fish, wet and salted	19,100 „	3,64,802
Total of fish	474,727 „	3,78,15,399

Fruits and Vegetables		
—	Quantity	Value
		Rs.
Fresh fruit	—	21,94,052
Onions	659,196 cwt.	1,11,63,794
Other fresh vegetables	—	57,14,631
<i>Total of fresh fruit and vegetables ..</i>	—	1,00,72,477
Cashew kernels	27,417 tons	12,76,42,831
Tamarind	7,295 "	30,86,062
Other dried, salted, preserved fruit	6,400 "	1,32,55,968
<i>Total of dried, salted preserved fruit and vegetables</i>	41,211 "	14,30,84,861
<i>Total of fruit and vegetables ..</i>	—	16,30,57,338
Furniture and cabinetware	—	10,49,458
Glass and glassware	—	24,15,967
Glue	1,299 cwt.	37,966
Gums and resins (karaya)	79,686 "	59,83,113
Gums and resins (rosin)	3,927 "	2,33,237
<i>Total of gums and resins</i>	91,327 "	66,84,381
<i>Hair :</i>		
Goat hair	3,854,405 lb.	21,55,551
Manufactures of hair	—	6,857
<i>Total of hair</i>	—	26,29,032
Hardware and Cutlery including plated ware	—	99,40,650
Hides and Skins		
<i>Raw hides :</i>		
Cow hides	69 tons	2,31,500
	10,000 no.	
<i>Total of raw hides</i>	72 tons	2,44,864
	10,717 no.	
<i>Raw skins :</i>		
Goat skins	10,513 tons	4,78,31,803
	16,503,839 no.	
Pelts of baby lambs	476 cwt.	3,25,971
	82,042 no.	
Reptile skins	7,520 cwt.	47,19,284
	1,027,807 no.	
Sheep skins	411 tons	15,86,883
	498,325 no.	
<i>Total of skins raw</i>	11,417 tons	5,53,51,591
	19,303,724 no.	
Cuttings of hides and skins	2,577 tons	13,47,904
<i>Total of hides and skins (raw) ..</i>	14,066 "	5,09,44,359
Horns, tips and pieces of horn ..	25,937 cwt.	8,11,101
<i>Instruments, apparatus, appliances and parts :</i>		
Electrical	—	25,53,825
Musical	—	31,92,425
Photographic	—	31,03,310
Surgical	—	18,00,637
<i>Total of instruments etc.</i>	—	1,42,87,301
Ivory, unmanufactured	7,685 lb.	1,30,959
Ivory, manufactured	—	2,28,866
<i>Total of ivory</i>	—	3,59,825
Jewellery (excluding imitation) ..	—	24,42,309
Plate of gold and silver	—	135
<i>Total of jewellery</i>	—	24,42,444
Kapok	41,508 cwt.	55,69,043
Lac		
Lac, button	29,957 cwt.	36,00,658
Lac, seed	297,880 "	3,08,21,760
Lac, shell	307,282 "	3,88,48,789
Lac, stick	6,894 "	3,89,822
<i>Total of lac</i>	685,754 "	7,59,00,334
Leather		
—	Quantity	Value
		Rs.
<i>Hides, tanned or dressed :</i>		
Buffalo hides	20,292 cwt.	45,20,324
	340,199 no.	
Cow hides	259,688 cwt.	7,56,09,697
	4,609,173 no.	
Calfskins	32,701 cwt.	1,20,46,970
	2,007,834 no.	
<i>Total of hides, tanned or dressed ..</i>	312,744 cwt.	9,22,08,468
	6,966,088 no.	
<i>Skins, tanned or dressed :</i>		
Goat skins	81,321 cwt.	4,86,01,823
	98,00,483 no.	
Reptile skins	2,502 cwt.	71,80,555
	4,280,060 no.	
Sheep skins	70,370 cwt.	5,13,56,039
	12,915,842 no.	
<i>Total of skins, tanned or dressed ..</i>	154,560 cwt.	10,74,43,004
	27,140,715 no.	
<i>Total of hides and skins, tanned or dressed</i>	467,304 cwt.	19,96,51,472
	34,106,803 no.	
Leather unwrought	11,509 cwt.	15,72,956
<i>Leather manufactures (excluding books and shoes) :</i>		
Bags, trunks, travelling requisites	—	6,19,900
Other sorts	—	16,08,541
<i>Total of leather and manufactures ..</i>	—	20,34,52,869
Liquors	182,619 gals.	5,63,464
Machinery and mill work	182,619 "	75

Metals, Ores, Minerals—(Contd.)

	Quantity	Value
		Rs.
Metals unenumerated	144,916 cwt.	70,90,680
Ores and minerals unenumerated	188,375 tons	1,09,30,437
<i>Total of metals</i>	529,762 "	14,37,49,887
<i>Total of ores and minerals</i> ..	2,445,190 "	26,84,84,145
<i>Total of metals, ores and minerals</i> ..	2,974,542 "	41,22,34,032
<i>Mica :</i>		
Blocks	27,788 cwt.	4,05,51,235
Splittings	100,995 "	4,84,75,893
Ground scrap or waste	154,968 "	9,18,339
<i>Total of mica</i>	283,751 "	8,99,45,467

Oils

<i>Essential :</i>		
Lemon grass oil	839,569 lb.	39,17,100
	92,092 gal.	
Palmarosa oil	139,421 lb.	20,83,608
	15,843 gal.	
Sandalwood oil	125,088 lb.	48,57,983
	13,586 gal.	
Other sorts of essential oil ..	48,961 lb.	2,11,801
	4,956 gal.	
<i>Total of essential oils</i>	1,148,049 lb.	1,10,70,442
	126,477 gal.	
Mineral oil	25,507 gal.	3,67,716
<i>Vegetable non-essential :</i>		
Castor	746,876 cwt.	7,64,50,060
	8,922,763 gal.	
Groundnut	1,364,133 cwt.	10,46,29,842
	16,130,647 gal.	
Linseed	564,996 cwt.	4,66,44,157
	6,799,938 gal.	
Mustard or rape	8,853 cwt.	8,56,443
	109,091 gal.	
Salad	9,958 cwt.	8,96,184
	119,504 gal.	
<i>Total vegetable non-essentials</i> ..	2,864,153 cwt.	23,94,86,659
	34,147,542 gal.	
<i>Total of oils</i>	34,300,766 gal.	25,09,42,767
Oil cakes	5,485 tons	2,10,712
Oplum	2,238 cwt.	96,96,980
	1,887 chests.	
<i>Paints and painters' material :</i>		
Graphite	47 cwt.	2,645
Other sorts of paints and colours	22,824 "	11,82,497
Turpentine	—	3,11,443
Other sorts of painters' materials	—	12,70,537
<i>Total of paints and painters' material</i>	—	27,67,122
<i>Paper and pasteboards :</i>		
Paper	30,142 cwt.	55,58,034
Pasteboard, millboard, card-board	3,891 "	7,31,553
<i>Total of paper and pasteboard</i> ..	34,033 "	62,90,487
Paper making materials	110,858 "	29,58,144
Paraffin wax	18,519 tons	1,32,01,373
Perfumery	—	18,67,774
Plants including bulbs, seeds	—	4,56,120
Plastic goods, not elsewhere classified	—	12,96,915
Precious stones and pearls unset ..	—	31,13,292
Printing and lithographing machinery and materials	—	8,90,439
<i>Provisions and oilman's stores :</i>		
Confectionary	743 cwt.	85,730
Hydrogenated vegetable oil (edible)	35,784 "	37,27,925
Pickles, chutnies and condiments	24,792 "	22,57,909
Other sorts	99,865 "	1,01,04,547
<i>Total provisions and oilman's stores</i> ..	161,195 "	1,61,80,735

Rubber

	Quantity	Value
		Rs.
Rubber raw	208,042 lb.	4,23,256
<i>Rubber manufactures :</i>		
Pneumatic cycle and motor cycle tyres	68,269 no.	5,16,064
Pneumatic motor tyres	73,675 no.	1,17,42,550
<i>Total pneumatic tyres</i>	142,034 "	1,22,58,614
Pneumatic cycle and motor cycle tubes	14,600 "	42,672
Pneumatic motor tubes	56,908 "	9,26,659
<i>Total pneumatic tubes</i>	71,408 "	9,69,331
Solid rubber tyres	1,990 "	6,518
Other rubber manufactures (except apparel, boots, shoes, toys)	—	9,90,407
<i>Total of rubber manufactures</i> ..	—	1,42,24,870
<i>Total of rubber (raw and manufactures)</i>	—	1,46,53,126
Salt	213,340 tons	51,65,203

Seeds

<i>Oilseeds (essential) :</i>		
Ajama	73 tons	54,141
Ajwan	240 "	1,78,423
Aniseed	24 "	62,356
Coriander	967 "	9,77,908
Cumin (other than black)	1,242 "	21,01,725
Cumin (black)	14 "	58,130
Fennel	758 "	15,64,221
Fenugreek	1,063 "	5,52,903
Sawa or dil	202 "	2,52,452
Other sorts of essential oilseeds	154 "	1,63,408
<i>Total of essential oilseeds</i>	4,827 "	59,65,667
<i>Oilseeds (non-essential) :</i>		
Castor	4,811 "	37,86,205
Groundnuts	12,736 "	1,39,71,835
Linseed	68 "	52,760
Mustard	47 "	38,360
Niger	10,844 "	1,23,75,940
Poppy	62 "	90,071
Sesamum (til or jinjili)	2,348 "	24,99,110
<i>Other sorts of non-essential oilseeds</i>	11,194 "	52,92,679
Other than oilseeds and seeds for sowing	1,434 "	20,42,762
<i>Total of seeds</i>	56,871 "	4,66,16,564
Soap, toilet	15,213 cwt.	22,18,778
Soap, other kinds	10,788 "	10,42,280
<i>Total of soap</i>	26,001 "	32,56,038
Specimen illustrative of natural science	—	2,56,206

Spices

Betelnuts	4,149 cwt.	7,47,708
Cardamoms	19,355 "	1,63,73,327
Chillies	202,244 "	1,81,56,699
Ginger	64,337 "	52,10,821
Pepper	246,226 "	15,95,91,125
Turmeric	152,607 "	46,69,855
Other sorts of spices	609 "	33,509
<i>Total of spices</i>	689,527 "	26,47,83,044
Stationery (excluding paper)	—	19,45,688
Stone and marble	162 tons	89,051
<i>Sugar :</i>		
23 Dutch standard and above ..	11,715 "	89,01,106
Between 23 and 16 Dutch standard	600 "	3,71,580
Molasses (including palmyra and cane jaggery)	73,945 "	3,32,95,723
<i>Total of sugar</i>	86,260 "	4,25,68,414
Tea	423,664,738 lb.	80,23,91,041
Tea, green	77,793 "	1,58,929
<i>Total of tea</i>	423,742,531 "	80,90,49,970
Tea waste for manufacture of caffeine	6,641,132 "	17,13,886

Textiles

Textiles—(Contd.)

	Quantity	Value		Quantity	Value
		Rs.			Rs.
Cotton, raw	70,886 tons	19,32,03,462	Rope and twine	128,953 cwt.	99,71,015
Cotton, waste	404,773 bales		Webbings	36,238 "	49,23,200
Twist and yarn :	1,256,775 cwt.	9,62,03,649	Other kinds of jute manufac- ture	25,165 "	31,07,384
Grey, singles	16,991,771 lb.	4,15,94,248	Total of jute manufactures (includ- ing twist and yarn)	706,843 tons	129,05,94,817
Grey, two-folds (doubles)	196,000 "	6,31,184	Total of jute, raw and manufac- tures	706,845 "	129,05,95,851
White bleached (Nos. 1-40)	74,400 "	2,02,964	Silk, waste and cocoons	712,325 lb.	15,65,345
Coloured singles	6,000 "	21,875	Total of silk, raw	712,325 "	15,65,345
Total of twist and yarn	17,288,771 "	4,24,50,271	Silk manufactures :		
Cotton manufactures :			Silk goods mixed with other materials	22,762 yd.	3,01,873
Canvas	1,380,768 yd.	26,93,980	Silk piecegoods	139,080 "	11,89,323
Carpets, rugs, dhories	16,805 cwt.	23,10,759	Other manufactures	47,251 lb.	4,78,084
Handkerchiefs and shawls in the piece	122,102 no.	2,95,635	Total of silk manufactures	—	20,50,280
Hosiery	—	97,64,800	Total of silk, raw and manufac- tured	—	36,24,625
Piecegoods, handloom	54,353,579 yd.	8,68,89,268	Artificial silk piecegoods	3,497,287 yd.	49,46,318
Piecegoods, millmade, grey, un- bleached :			Wool, raw	37,979,189 lb.	8,41,68,727
Chadars and dhotis	477,647 "	3,87,418	Wool manufactures :—		
Drills and jeans	10,323,871 "	2,10,35,908	Carpets and rugs	7,121,458 lb.	2,79,42,315
Shirtings	40,650,566 "	2,79,04,768	Piecegoods	37,041 yd.	3,02,871
Other sorts	151,671,729 "	11,09,51,141	Shawls	58,727 no.	7,39,329
Total grey unbleached	212,123,613 "	17,01,79,325	Other woollen manufactures	957,179 lb.	37,18,565
Piecegoods, millmade, white bleached :			Total of woollen manufactures	—	3,27,03,080
Chadars and dhotis	5,992,055 "	61,34,384	Total of wool and woollens	—	11,68,71,807
Drills and jeans	6,281,161 "	74,03,456	Other textiles, raw	89,928 cwt.	8,26,712
Shirtings	62,671,504 "	5,76,84,497	Other textiles, manufactured	—	3,20,217
Other sorts	40,619,837 "	3,52,69,243	Total of textile, raw and materials	—	39,03,72,197
Total white bleached	115,564,557 "	10,64,91,580	Total yarns and textile fabrics	—	2,04,98,04,375
Coloured, printed or dyed :			Tobacco, unmanufactured	75,139,712 lb.	11,98,85,027
Lungs and saris	3,898,282 "	50,62,937	Tobacco, manufactured :		
Drills and jeans	39,268,470 "	5,02,28,166	Bidis	3,645,203 "	1,34,75,148
Other sorts of coloured or printed or dyed	189,410,800 "	19,44,48,354	Cigars	15,918 "	57,877
Total of coloured, printed, dyed	232,577,352 "	24,97,30,457	Cigarettes	87,463 "	6,03,256
Total of millmade piecegoods	560,265,522 "	52,64,10,362	Other sorts of manufacture	502,811 "	5,64,805
Total of cotton piecegoods (hand- loom and millmade)	614,610,101 "	61,32,90,630	Total of tobacco, manufactured	4,251,485 "	1,47,01,086
Thread, sewing	293,403 lb.	22,31,602	Total of tobacco, raw and manufac- tured	70,391,197 "	13,45,86,113
Towels in the piece	1,694,912 yd.	22,55,645	Toilet requisites not elsewhere specified	—	16,05,659
Other sorts of cotton manufacture	10,200,676 lb.	1,78,71,479	Toys and requisites for games and sports (other than firearms)	—	18,05,711
Total of cotton manufactures (in- cluding twist and yarn)	—	69,31,73,951	Umbrellas including parasols and sunshades	91,117 no.	4,47,762
Total of cotton raw and manufac- tures	—	98,25,84,062	Vehicles :		
Flax, manufactures (including twist and yarn)	—	2,73,471	Ships, launches, boats	78 "	13,294
Haberdashery and millinery (made up of cotton goods : quilts, etc.)	—	1,88,31,691	Other sorts of vehicles	—	16,29,947
Haberdashery, other sorts	—	64,60,422	Total of vehicles	—	16,53,087
Total of haberdashery and millinery	—	2,52,92,053	Wax of all kinds, other than paraffin wax and candles	2,557 cwt.	5,68,789
Hemp, raw	336,009 cwt.	1,44,00,268			
Hemp, manufactures (excluding cordage)	—	5,31,188			
Total of hemp, raw and manufac- tures	—	1,49,31,456			
Jute :					
Twist and yarn	2,519,510 lb.	21,67,405			
Manufactures :					
Bagging for raw cotton	435,658 cwt.	2,67,57,022			
Canvas	188,164 yd.	11,85,474			
Carpets	7,910 cwt.	2,76,032			
Sacking gunny bags	1,551 cwt.	5,73,27,610			
Hessian gunny bags	338,287,218 no.	3,67,35,550			
Total of gunny bags	853,921 tons	61,00,11,653			
Sacking gunny cloth	30,128,629 no.	1,60,98,747			
Hessian gunny cloth	15,578 tons	61,60,31,276			
Total of gunny cloth	368,415,842 no.	63,21,30,023			
	369,499 tons				
	18,516,450 yd.				
	8,698 tons				
	1,221,337,224 yd.				
	396,752 tons				
	1,239,858,074 yd.				
	304,445 tons				

Wood and Timber

Hardwood (other than teak)	385 cubic tons	1,47,511
Sandalwood	912 tons	32,01,126
Teakwood	1,231 cubic tons	8,60,626
Other kinds of wood and timber	—	73,52,765
Total wood and timber	—	1,15,02,028
Manufacture of wood, other than furniture and cabinet ware	—	10,00,857
Total of wood, timber and manu- factures	—	1,25,62,885
Postal articles	—	3,59,66,814
All other articles of merchandise :		
Unmanufactured	—	94,22,779
Manufactured	—	1,71,36,876
Total value of exports	—	551,04,36,940

ALCOHOL INDUSTRY

ALCOHOL has three uses. It can be used as a drink. That is the use for which it is best known. Second, it can be used for industrial purposes, for instance in the manufacture of a number of chemicals. Third, it can be used as a motor fuel, for the production of mechanical power, when we call it power alcohol.

Potable Alcohol.—Three types of potable alcohol are produced in the country, beer, toddy, arrack and certain varieties of 'foreign liquors.' A great number of old pot, and coffee stills have always been in use but the major part of potable liquor is made in proper distilleries of which there are about 70 in India. There are also 25 big distilleries producing mainly industrial alcohol which have a capacity for distilling about 2 million gallons of potable alcohol.

INDUSTRIAL ALCOHOL

Industrial alcohol is a very valuable material in the manufacture of chemicals like acetone, acetic acid, ether, chloroform, ethyl acetate, etc. It is also necessary as a solvent in the manufacture of fine chemicals, medical preparations, toilets, etc. Since the last war its importance if at all has increased. It is now essential in the manufacture of ammunition and of artificial rubber.

In 1946 there were as many as 33 plants capable of producing 12 million gallons of industrial alcohol. The trend of production has been as follows:

Year.	Rectified spirit (000 gals.).	Denatured spirit (000 gals.).
1946 ..	2,147	1,023
1947 ..	1,775	1,085
1948 ..	2,389	1,401
1949 ..	1,950	1,095
1950 ..	3,435	1,477
1951 ..	5,010	1,967
1952 ..	4,698	2,178

The undivided Government of India's Panel on Fine Chemicals, Drugs and Pharmaceuticals estimated that the medical requirements of the sub-continent were a million gallons annually and industrial requirements 10 millions, a target which they said ought to be reached in 15 years time.

To make this possible, it is argued, the first essential is to abolish the present excise duty on industrial alcohol and the second is to have a uniform policy for the country as a whole. Industrial alcohol should not cost more than a few annas a gallon. As it is it costs the distiller about eight annas to make it. When the producer's and middleman's profit is added the price will increase to a point where it becomes uneconomical to use it.

POWER ALCOHOL

The importance of the power alcohol industry lies in its supplying a product which can replace an equivalent quantity of imported petrol. The rapid development of the sugar industry since 1931 has rendered large quantities of molasses available for its production.

At the beginning of 1951 there were 19 power alcohol distilleries with an annual rated capacity of 12-838 million gallons of power alcohol and 2-948 million gallons of commercial spirit.

Actual production in the post-war period is given below:—

Year.	Production (000 bulk gallons).
1946 ..	2,397
1947 ..	2,736
1948 ..	3,776
1949 ..	4,230

Year	Production (000 bulk gallons).
1950 ..	4,498
1951 ..	5,809
1952 ..	7,742

The gap between the installed capacity and actual production of power alcohol has been mainly due to the shortage of molasses, difficulties of transport and the policy of prohibition in general. The Kolhapur and Nasik distilleries in Bombay State, for instance, could not come into regular production because the use of power alcohol has not been introduced so far in that State. The industry has been developed by private enterprise except in Mysore and Hyderabad State and at Nasik in Bombay State.

The total investment is about Rs. 158 lakhs.

The principal raw material required is molasses. Out of a total production of 550,000 tons of molasses in 1951-52, Uttar Pradesh accounted for 300,000 tons and Bihar for 87,000 tons. Other raw materials required in small quantities are sulphuric acid, ammonium sulphate and entertaining agents.

According to the Planning Commission, about 39-6 million gallons of power alcohol can be absorbed by the country. Among the handicaps are the high cost of production because of high fuel consumption and the low grade of molasses, heavy transit and handling losses and the high charges paid to oil companies for mixing power alcohol with petrol. The extensions to existing units and new units contemplated should enable the country to hit the target of 21-12 million gallons by 1955-56 compared to 12-87 million gallons in 1950-51 so that the actual production of power alcohol will be stepped up from 4-72 million gallons to 18 million gallons.

CEMENT INDUSTRY

IMPORTS & EXPORTS

Imports of cement before the outbreak of the Second World War were small and generally the cement was of special quality. During the post-war period imports by sea totalled about 150,000 tons in 1948-49 and 300,000 tons in 1949-50. In addition, about 25,000 tons and 100,000 tons were imported from Pakistan by land routes in the two respective years. Since 1950 imports were restricted to quantities included in trade agreements as well as to those in respect of which prior commitments had been made and were only about 17,000 tons in 1950-51. The quantity imported in the following two years was negligible.

There have been no exports except of very limited quantities to Pakistan under the trade agreements and to the Middle East, Ceylon and East Africa. With the contemplated increase in productive capacity, the industry should be in a position to export 200,000 tons to 300,000 tons per annum by 1955-56.

DEVELOPMENT PLAN

The annual consumption of cement was 2 million tons per annum during the war years and rose to about 2-6 million tons during the post-war years, 1949-50 and 1950-51. In 1951 about 3-17 million tons of cement were delivered, while 1-714 million tons were supplied in the first half of 1952. The future demand for cement, exclusive of the needs of the multi-purpose projects should be around 3-8 million tons by 1955-56. Including the demand of the projects and roads, the total should reach 4-5 million tons by the end of the Plan period.

At present eight of the existing units having an annual capacity of less than 100,000 tons each are considered uneconomical. Two of them are, however, expected to raise their production during the period of the Plan.

The State-wise distribution of the industry during 1950-51 and towards the end of the period of the Plan is indicated below:—

State	1950-51		1955-56	
	No. of Units	Rated Capacity (000 tons)	No. of Units	Rated Capacity (000 tons)
Bihar ..	5	921	6	1,160
Orissa ..	1	165	1	165
Uttar Pradesh ..	1	200	1	200
Madhya Pradesh ..	1	350	1	350
Madhya Bharat ..	1	60	1	60
Rajasthan ..	1	225	2	525
PEPSU ..	2	142	2	382
Saurashtra ..	3	337	3	562
Bombay ..	2	300	2	300
Madras ..	5	763	5	882
Mysore ..	1	90	1	90
Travancore-Cochin ..	1	50	1	50
Hyderabad ..	1	240	1	280
Total ..	21	3,280	27	5,006

THE first venture in the manufacture of Portland Cement in India took place in 1904, in a small factory just outside Madras, but it quickly went out of business.

A few years later three new companies came into existence and laid the foundation of the industry as it exists today.

In 1925, following the result of an enquiry by the Tariff Board, the necessity for co-operation among the manufacturing units was clearly emphasised and as a result, an Association known as the Indian Cement Manufacturers' Association was formed.

Inspired with a certain measure of confidence they took yet another step which was the formation of the Cement Marketing Company of India, Ltd.

The next step was the fusion of all the Indian cement manufacturing companies then in operation (with the exception of the Sone Valley Cement Co. Ltd.) into one unit known as the Associated Cement Companies Ltd., in 1936 whose Managing Agents are Cement Agencies Ltd.

By March 1952, there were 23 cement factories with an annual rated capacity of about 3-88 million tons.

In addition to the two combines—the Associated Cement Companies owning 12 factories with a capacity of 2-3 million tons and the Dalmia Group owning four factories with a capacity of about 825,000 tons—there are 6 independent manufacturers with an aggregate capacity of 670,000 tons, and a factory of 86,000 tons capacity owned and operated by the Government of Mysore.

The production in million tons is as follows: 1948, 1-553; 1949, 2-102; 1950, 2-613; 1951 3-199; 1952, 3-538.

A sum of about Rs. 29 crores had been invested in the industry up to 1950-51 of which the A.C.C. accounted for Rs. 15-5 crores and the Dalmia Group Rs. 7 crores. Some 33,000 persons were employed by the industry in 1950-51.

CHEMICAL INDUSTRY

FOR purposes of industrial production, chemicals fall easily into one of two major groups: (a) Heavy Chemicals; and (b) Fine Chemicals.

The term "Heavy Chemicals" is applied usually to substances such as the common acids, alkalies, fertilizer, etc., which are the foundation of the entire chemical industry.

Fine chemicals, on the other hand, are manufactured generally in relatively small amounts since purity is important; their production requires great skill and care in each operation under accurately controlled conditions. In this category are included photographic materials, drugs and pharmaceutical products, paints, varnishes and pigments, dyestuffs, etc.

According to the latest data, there are over 250 factories with a capital investment of nearly Rs. 33 crores and providing employment for about 35,000 workers.

The industry expanded further in 1952. For the first time calcium carbide used for making acetylene was produced in a factory having an annual capacity of 825 tons, and a second unit with a capacity of 3,300 tons was expected to go into production in 1953-54. The production of benzene hexachloride, an important insecticide, also started during the year, as well as of rayon grade caustic soda.

SULPHURIC ACID

The capacity of the industry and its regional distribution in June 1952 were as follows:—

	No of units.	Rated capacity in tons.
Assam	1	6,000
West Bengal	13	56,560
Bombay	12	35,013
Punjab and Delhi	9	14,935
Uttar Pradesh	4	5,775
Madhya Pradesh	1	825
Madras	2	13,530
Former States and States Unions	5	56,183
Total ..	47	189,441

The trend of production in tons is as follows:—

1948, 80,004; 1949, 99,456; 1950, 102,480; 1951, 106,932; 1952, 96,072.

Built up in the private sector, about Rs. 2 crores have been invested in this industry. The consumption of sulphur for producing sulphuric acid was 37,000 tons in 1951.

The annual consumption of sulphuric acid in different industries in 1951 was estimated at 106,935 tons and is estimated to rise to 200,000 tons by 1955-56. The following picture would emerge at the end of 1955-56:—

	1950-51	1955-56
Number of units ..	43	51
Annual rated capacity (tons of 100 per cent. acid) ..	150,410	220,791
Actual production (tons of 100 per cent. acid) ..	99,153	200,000

ALKALI INDUSTRY

The alkali industry comprises the manufacture of soda ash and caustic soda, sodium bicarbonate, bleaching powder, benzene hexachloride, liquid chlorine and zinc chloride.

As against the rated capacity of 54,000 tons per annum, the production of soda ash in tons was as under:—

1948, 29,148; 1949, 17,916; 1950, 43,788; 1951, 47,532; 1952, 44,328.

On the basis of the Tariff Board's report in 1951 the estimated consumption of soda ash is placed at 115,000 tons. This is expected to rise to 155,000 tons by 1955-56.

The table below summarises the programme of development of the soda ash industry:—

	1950-51	1955-56
Number of units ..	2	2
Annual rated capacity (tons) ..	54,000	86,000
Actual production (tons) ..	44,650	77,800

Caustic Soda.—The six electrolytic soda plants are located at Rishra (West Bengal), Mettur (Madras), Ahmedabad (Bombay), Mithapur (Saurashtra), Dehri-on-Sone (Bihar) and Delhi. The capital invested in the caustic-chlorine plants in 1951 was Rs. 195 lakhs. The installed capacity of caustic soda has progressively risen to 34,944 tons in 1952, that of chlorine liquid to 13,512 tons, and that of bleaching powder to 7,400 tons.

Actual indigenous production of caustic soda and the associated chemicals in the post-war period was as under:—

Year	Caustic soda in Tons	Liquid chlorine in Tons	Bleaching powder in Tons
1948 ..	5,862	1,749	3,443
1949 ..	7,315	2,547	2,528
1950 ..	10,846	3,970	3,309
1951 ..	14,722	5,268	3,583
1952 ..	17,064	6,652	792

Imports of caustic soda varied from 90,616 tons in 1948-49 to 12,989 tons in 1949-50 in the post-war period, while those of bleaching powder dropped from 11,520 tons to 5,513 tons in the same period.

The plan provides that the number of factories will rise from 7 in 1950-51 to 9 in 1955-56, the annual rated capacity will double from 18,725 tons to 37,125 tons and the actual production treble from 11,375 tons to 33,000 tons.

MISCELLANEOUS CHEMICALS

The present position of some of the important products is as follows:—

	No. of units.	Annual rated capacity in tons.	Actual production in tons.		
			1949	1950	1951
Alum	18	9,990	4,279	5,349	2,460
Aluminium sulphates	19	39,000	15,408	18,923	19,350
Ferrous sulphate	12	2,238	670	599	612
Copper sulphate	9	1,720	450	437	505
Sodium thiosulphate	4	1,725	499	479	..
Sodium sulphite	2	420	74	163	204
Sodium bisulphite	3	735	117	270	271
Sodium sulphide	13	7,936	533	790	1,935
Bichromates	9	5,916	1,720	1,974	3,271
Sodium bicarbonate	2	3,440	..	..	1,630
Potassium chlorate	2	2,200	2,200	2,200	1,593
Zinc chloride	2	690	166	426	532
Calcium chloride	2	2,440	175	1,345	960
Magnesium chloride	3	18,200	10,373	4,011	3,630

Quantitative imports of some of the more important miscellaneous chemicals in recent years were as under:—

(Quantity in tons)

	1949-50	1950-51	1951-52
Alum	2	14	..
Aluminium Sulphate	379	2,666	106.8
Ferrous Sulphate	1	5	..
Copper Sulphate	1,111	1,303	2,111
Sodium Thiosulphate	275	16.3	13.2
Sodium Sulphide	1,032	1,012	2,239.6
Bichromates	2	0.2	1.8
Sodium Bicarbonate	4,026	1,798	9,674
Potassium Chlorate	265	674	1,412
Zinc Chloride	552	442	246
Calcium Chloride	285	44.6	15.5
Magnesium Chloride	0.9	..	..
Sodium Hydrosulphite*	1,229	3,408	2,785.6
Sodium Cyanide*	126	233	276.6
Potassium Cyanide*	11	14	33.0
Anhydrous Ammonia	102	93	131.0
Ammonium Chloride	4,246	1,374	5,215
Ammonium Carbonate and Bicarbonate	574	516	2,373
Calcium Carbide*	10,274	4,533	9,849
Borax	1,769	1,652	7,549.7

* Not produced in the country. Exports of chemicals have been essentially confined to magnesium chloride and sodium bichromate to the extent of 2,000 tons and 500 tons respectively.

FERTILISERS

So far in India the inorganic nitrogenous fertiliser almost universally employed has been ammonium sulphate. There are at present four units in West Bengal and Bihar (excluding Sindri) with a rated capacity of about 36,000 tons of ammonium sulphate per annum. The Sindri factory went into production in October 1951 and with its coming into full production, the rated capacity for inorganic nitrogenous fertilisers has reached 428,070 tons of ammonium sulphate.

The output of ammonium sulphate has progressively risen from 45,395 tons in 1949 to 220,308 tons in 1952.

Assuming country-wide application of nitrogenous fertilisers the annual needs would be

about 12 million tons of ammonium sulphate. As a result of the implementation of the development plans, the installed capacity for nitrogenous fertilisers in terms of ammonium sulphate is expected to rise to 481,270 tons by 1955-56. Even then a gap of 150,000 tons is foreshadowed.

The annual rated capacity for the production of superphosphates was 173,855 tons by the middle of 1952. The factories are small and have survived because of import restrictions. The production of superphosphates has steadily risen to 61,018 tons in 1951.

Although the scope for phosphatic fertilisers in India is still almost unlimited, consumption in 1952-53 was no more than 100,000 tons and is not likely to exceed 200,000 tons by 1955-56.

The projects submitted by manufacturers for the planned period expect that the rated capacity will rise from 173,855 tons in 1952-53 to 209,355 tons in 1955-56.

The estimated annual needs of potassic fertilisers are roughly 37,500 tons out of which it may be possible to recover about 52,700 tons from all the salt works in the country.

FINE CHEMICALS

The term "fine chemicals" is applied usually to substances such as photographic materials, drugs and pharmaceutical products, paints, pigments and varnishes, and dyestuffs. All the figures are in tons per annum except where otherwise stated.

Chemical.	Production.		Target estimated for the next five years.	Main uses.
	1946-47	1951		
Acetic acid	300	300	17,000	{ Rayon, white lead, lead acetate, dyeing, rubber
Acetone	1,000	900	13,000	{ Solvent, explosives
Formaldehyde	60	60	1,000	{ Textiles, disinfectant, preservative
Methanol	60	60	1,200	Solvent, denaturant
Glycerine	2,100	2,500	5,000	Pharmacy, explosives
Benzene (gals.)	1,200,000	2,400,000	..	Solvent
Cresols (gals.)	5,000	8,000	..	Insecticide
Naphthalene	600	1,800	..	Disinfectant, etc.
Phenol	25	25	1,000	Disinfectants, plastics

The Tariff Board's inquiry in 1950 into the claim for protection of fine chemicals industry was confined to calcium lactate, iron-ammonium citrate, potassium citrate and sodium citrate.

The average annual demand has been estimated at 60 tons for calcium lactate, 80 tons for iron-ammonium citrate, 200 tons for potassium citrate and 50 tons for sodium citrate. Government have, on the Board's recommendation, converted the 36 per cent. standard and 26 per cent. preferential revenue duty on calcium lactate into a protective duty.

Production of bromine and bromides at one of the alkali works has been attempted and an annual output of 75 tons bromine, 36 tons potassium bromide and 14 tons sodium bromide has been recorded.

Coal, tar and wood distillation products are not sufficiently exploited to manufacture fine chemicals and even the war-time production of methanol and formaldehyde has been recently curtailed. Synthetic fine chemicals are yet to be turned out in India on a commercial scale.

Photographic Materials.—The basic chemicals required for the photographic industry are: (i) gelatin, silver halides and sensitizers in the coating of film, plate and paper base, and (ii) hypo sodium sulphite metal, hydroquinone and chrome alum in the processing stages.

Borax, boric acid, acetic acid and metal and photographic-grade sodium sulphite are still imported. The present capacity of sodium sulphite is 800 tons and output 800 tons which meets the full demand. Production capacity of 30 tons for potash chrome alum has been established. Hydroquinone is being manufactured in India since 1950 and the annual output is 25 tons. X-ray developing and fixing salts have been placed on the market since 1949.

The existing import duties on Sodium Thio-sulphate, Sodium Sulphite and Sodium Bisulphite have been extended up to the end of 1954; but the industry is free to seek protection if the import control is liberalised and foreign competition intensified.

Pre-war imports of raw film base into India were enormous, the film industry alone consuming some 80 million ft. per annum. The Celluloid Industries Panel has recommended the installation of a factory for manufacturing 60 million sq. ft. of all types of raw film, and this should synchronize with the manufacture of gelatin, silver halides, sensitizers and other photographic materials in adequate quantities.

DRUGS AND PHARMACEUTICALS

There are at present more than 60 comparatively important units engaged in manufacturing various types of drugs and medicinal preparations. They are mostly concentrated in Bombay and Calcutta. About 40 of the factories produce tinctures, extracts and galenicals. Most of the crude drugs are obtained indigenously and the rated capacity exceeds 1.2 million gallons. The total capacity for producing tablets and injectible drugs from materials imported in bulk is estimated at nearly 88 million tablets and 9 million ampoules; but this can be expanded in case of greater demand without difficulty.

The Government have also established factories for manufacturing a variety of alkaloids. There are two Government factories, one at Madras and the other in West Bengal, producing quinine from cinchona bark. Their total capacity is 90,000 lb. of quinine per annum. Two factories in the private sector have a capacity for producing about 20,000 lb. of caffeine from tea waste. The manufacture of opium alkaloids is the monopoly of the Government of India. Ephedrine is produced by a private firm from raw materials imported from Pakistan. Another firm has a capacity for producing 15,000 lb. of strychnine.

Considerable quantities of glandular extracts are prepared in the country from animals slaughtered in the big cities. Twenty-one firms are engaged in producing liver extracts and have a capacity of about 23.8 million cc. of injectible liver extract and 1.4 million lb. of oral liver extract. The annual capacity for producing liquor adrenaline hydrochloride, liquor adrenaline tartrate and extract pituitary are 40 million cc. 44 million cc. and 55 million cc. respectively. There are four factories manufacturing these

products. Five units producing shark liver oil have a capacity of 30,000 gallons of oil equivalent to potency of 6,000 international units/gram.

In the sphere of vaccines, anti-toxins and sera the capacity of the private firms is nearly 5 million cc. per month and that of Government institutes nearly 6 million cc. per month. The country is self-sufficient in regard to many sera and vaccines. A number of patent medicines are also produced in the country.

During 1952 the production of three important anti-bacterial drugs viz. sulphathiazol, sulphapyridine and sulphadiazine was started. The production of standard quality nikethamide was also undertaken. Also processes for the synthesis of the latest anti-tubercular drug, hydrazide of isonicotinic acid, were successfully worked out.

Despite the increase in indigenous production during the past few years, imports were rising from Rs. 8 crores in 1949-50 to Rs. 10 crores in 1950-51 and to Rs. 15 crores in 1951-52 and were valued at Rs. 11.32 crores in 1952-53. Penicillin, sulpha drugs, vitamins, streptomycin, quinine salts and patent medicines account for the major portion of these imports.

Exports are confined to crude drugs and a few raw materials of drugs and amounted to Rs. 211 lakhs in 1951-52 and to Rs. 186 lakhs in 1952-53. Besides, exports by land averaged Rs. 90 lakhs a year.

The tariff duty for drugs and chemicals is 26 per cent. *ad valorem* from the U.K. and the British Colonies and 86 per cent. *ad valorem* from the U.S. This applies to raw materials and finished products and the duty on the latter is partly responsible for the high cost of indigenous production.

Development Programme.—The short supply of solvents, crude drugs and intermediate chemicals and the State excise barriers are the main handicaps. The Government of India in agreement with UNICEF and WHO are setting up a penicillin factory at Pimpri near Poona in Bombay State at a cost of Rs. 211 lakhs with an ultimate target of 750,000 mega units. A scheme for manufacturing chloromycetin has been

launched by Park Davis, while Atul Products propose to manufacture auromycin. Alkali Chemical Corporation are putting up a plant at Bishra near Calcutta for producing 500 tons annually of benzene hexachloride.

Atul Products Ltd. in collaboration with the American Cyanamid Co. of New York have started a modern factory for pharmaceuticals and dyestuffs. The manufacturing programme envisages the production of 250,000 lb. of sulphadiazole, sulphathiazol and sulphadiazine and 100,000 lb. of dyes. May & Baker have also erected a sulphadiazine plant.

Besides substituted quinolines, arsenicals and antimonial drugs, the manufacture of sul-

phone drugs, thiosemicarbazone and para-amino salicylic for the treatment of leprosy and tuberculosis has been undertaken. Production of nicotinic acid and nikethamide has started and that of paludrine planned.

A proposal to erect a factory for manufacturing D.D.T. has been approved by W.H.O. The Madras Government has plans for increasing quinine production. A Calcutta firm contemplates the manufacture of para-amino salicylic acid, a specific for tuberculosis. Sarabhai Chemicals have under consideration a project for manufacturing insulin.

There are at least 150 factories manufacturing paints and varnishes, but nearly 100

of them are very small in size. The bigger ones are concentrated in Bombay and Calcutta. Eighteen units with a capacity of 36,360 tons are in Calcutta, and 17 with an annual capacity of 19,860 tons are in Bombay. Taking only the important firms, in 1952 the output totalled 32,172 tons. The capital investment is over Rs 3 crores and 6,000 workers have found employment.

The demand for paints is roughly 35,000 tons to 40,000 tons and may reach 60,000 tons by 1955-56.

FIVE-YEAR PLAN

The following table summarises the programme of development of the industry during the period of the Plan :-

	Unit.	1950-51		1955-56	
		Annual rated capacity.	Actual Production.	Annual rated capacity	Actual Production.
Titanium dioxide	Tons	..	..	1,800	1,800
Nitrocellulose lacquers	Gals.	..	..	350,000	300,000
Ready mixed paints, enamels	Tons	65,000	23,975	70,000	60,000
Aluminium paste and powder . . . . .	"	..	..	750	750

COFFEE INDUSTRY

COFFEE cultivation is mainly confined to the hilly tracts of south India, from one thousand to six thousand feet above the mean sea level, and is centred in the Malnad area of Mysore, Coorg, Madras, and the United State of Travancore-Cochin. In the lower elevations, which have a higher rainfall, the more delicate but better quality Arabica coffee has given place to the harder but coarser Robusta coffee.

The capital investment in the industry is estimated to be over Rs. 15 crores and the average annual value of the crop is about Rs 8 crores. Nearly 200,000 people drawn chiefly from Malabar, South Canara and Mysore are employed in the industry. Many of the coffee estates are inter-planted with orange trees, cardamom and pepper vines. There are about 50 species and sub-species of coffee plants in the country, the one most extensively cultivated is Coffee Arabica, the best in quality, with Robusta coming next in importance.

The area and production, of the two varieties of coffee from 1948 to 1958 are as under:

AREA IN THOUSAND ACRES

Year	Arabica	Robusta	Total
1948-49 ..	167	54	221
1949-50 ..	164	61	225
1950-51 ..	167	62	229
1951-52 ..	168	67	235
1952-53 ..	N.A.	N.A.	N.A.
(September)			

PRODUCTION IN TONS

Year	Arabica	Robusta	Total
1948-49 ..	18,234	8,476	26,710
1949-50 ..	12,734	7,796	20,530
1950-51 ..	15,268	8,329	23,597
1951-52 ..	14,376	6,765	21,141
1952-53 ..	12,440	10,645	23,085
(September)			

STATEMENT SHOWING COFFEE CURED IN MAJOR YARDS

Year	Qty. in Tons
1948-49	19,828½
1949-50	18,721½
1950-51	16,958

STATEMENT SHOWING AVERAGE INDEX OF WHOLESALE PRICES OF COFFEE

(Price for week ended August 19, 1939 = 100).

Year	Index
1948	546
1949	487
1950	476
1951	567
1952, August 16 ..	768
1953, August 15 ..	614

MARKETING

Under the existing scheme of Coffee Control, all coffee estates in the country, big or small, are required to get themselves registered and to deliver the entire production, except quantities allowed for domestic consumption and seed purpose, to a Common Pool administered by The Indian Coffee Board. Growers are paid in proportion to the value of coffee delivered to the Pool after deducting the cost. The average price of plantation of coffee in the auctions in 1951 was Rs. 218-11 per cwt. against Rs. 187-1 in 1950. The total turnover of the Pool was Rs. 649 lakhs and the growers received Rs. 180-18-4 per cwt. as against Rs. 182-8-0 per cwt. in 1949-50. The total number of registered estates on June 30, 1952 was 23,967 while those unregistered totalled 5,306.

The following table gives the trend of exports:

Year	Exports in Tons
1948-49	31
1949-50	3,331
1950-51	2,677
1951-52	903
1952-53	2,191

The average Pool auction prices per cwt. for the past four years were as follows :-

Year	Plantation 'A'	Arabica cherry Flats	Robusta cherry Flats
	Rs. a.	Rs. a.	Rs. a.
1948	203 0	173 12	140 9
1949	184 10	162 6	155 9
1950	187 1	160 11	147 10
1951	218 11	197 14	196 6
1952	251 11	220 6	200 11
1953 (7 months)	212 5	184 1	150 9

INDIAN COFFEE BOARD

To stimulate internal consumption and to regulate exports a statutory body, now known as the Indian Coffee Board, was set up under the Coffee Market Expansion Board. One of the serious problems the Board had to contend with in 1952 was the growing rise in the price of coffee which advanced from Rs. 207 per cwt. of plantation type in April 1952 to a record level of Rs. 316 per cwt. in the following September. The Board effected increased sales of Coffee and banned exports. In December 1952 a Bill was introduced in Parliament to amend the Act of 1943 for the purpose of ensuring better co-ordination between the Board and the Central Government and of providing adequate representation of consumer interests on the Board.

COIR INDUSTRY

COIR is the trade name given to the fibre obtained from the husk of the coconut fruit. India and Ceylon have a virtual monopoly in the production of this by-product of the coconut industry.

In India the coir industry is practically confined to Kerala. Travancore-Cochin State and the Malabar district of Madras account for over one million acres of the coconut growing areas out of a total of 1,526 million acres in India. The distribution of the area under cultivation and production of coconuts in respect of India is as follows:—

	Area in acres.	Production Percentage.
Madras	605,765	41.3
Travancore ..	584,736	37.8
Cochin	67,058	4.3
Mysore	170,180	11.3
W. Bengal ..	31,300	1.4
Orissa	30,021	1.8
Bombay	29,197	1.8
Other States ..	7,592	0.3
	1,525,759	100.0

The coir industry is organised partly on cottage basis and partly in factories. The production of coir fibre, yarn and ropes is essentially a cottage industry, while coir mats, mattings, rugs, carpets, bags, etc. are manufactured in factories. About 300,000 people earn their living from this industry in Travancore alone and 50,000 in Cochin and about one lakh in Malabar.

There are two principal types of coir fibre—mat fibre and curled fibre. The bulk of the output consists of mat fibre. The yarn spun by hand is soft and even twist, while that spun on wheels is hard twist and not so even as hand spun. Spinning is mainly done by women, boys and girls. Over 100,000 families are employed in this trade in Travancore alone.

The yarn produced in the spinning districts is marketed chiefly in Alleppey where there are a large number of factories for the manufacture of mats, mattings, rugs and carpets and also exporters of yarn.

In 1948 there were about 525 factories of which 474 were small ones with less than 20 looms and the rest large factories with more than 50 looms, having in all about 16,000 looms on mats and mattings.

About 15,000 workers were engaged by these factories.

Following are the estimates of coir-manufactured and unmanufactured:—

State.	Production (Tons).
Madras	25,038
Travancore-Cochin	97,000
Mysore	Not available
W. Bengal	225
Bombay	63
Total	132,326

EXPORTS

Export of coir yarn, mats and mattings, ropes and other sorts of coir are detailed below:—

Year.	Coir yarn.	Coir mats and mattings.	Coir ropes.	other sorts.
1949-50	40,660	26,758	3,263	6,580
1950-51	55,145	18,834	3,907	....
1951-52	45,269	11,510	5,809*	4,790
1952-53	48,318	12,390	4,422*	4,087

* Includes export to Pakistan by land.

The price of a candy of 6 cwt. of superior Anjengo declined from Rs. 325 in January 1948 to Rs. 188 in August 1949, rose thereafter to Rs. 583 in March 1951 and fell steeply thereafter to Rs. 275 by May 1952.

The appointments of a statutory board to deal with the various aspects of the industry is now contemplated. India's trade representatives have been asked to study the prospects for coir and coir products since exports fell in 1952 from 13.49 lakh cwt. valued at Rs. 11.6

crores in 1951 to 12.20 lakh cwt. valued at Rs. 7.4 crores; but it was not possible to get a reduction in import duties on coir mats and mattings under the GATT from the European countries. The main reason given was the need to protect domestic interests.

COTTAGE INDUSTRIES

TOTAL allotment for small-scale and cottage industries under the Five-year Plan: Rs. 27.04 crores.

It is customary to refer to industries which are not required to be registered under the Factory Act as cottage and small-scale industries. There is no accepted line of distinction between cottage and small-scale industries but the use of electric power is one of the popular tests.

The data about their strength is extremely meagre. The National Sample Survey carried out recently a large scale sample survey; but its results are not available.

It is, however, very roughly estimated that at least 20 million persons are gainfully employed in these industries classified as under:—

Name of Industry	Persons Employed in Lakhs.
Textiles	50
Leather	24
Wood	20
Metals	40
Pottery, Ceramics, Tiles, Bricks, etc.	20
Vegetable Oils, Chemical Products, etc.	10
Food including Hand-pounding ..	20
Dress and Toilet	11
Miscellaneous including jewellery and toy making	6
TOTAL	201

In order to encourage more effectively the development of cottage and small-scale industries, the All-India Cottage Industries Board, constituted in 1948, was replaced by two Boards, viz., The All-India Handicrafts Board and The All-India Khadi and Village Industries Board. The former was constituted in November 1952, and the latter in February, 1953.

Towards the end of 1952 the Government also constituted the All-India Handloom Board to deal specifically with problems affecting the handloom industry. A cess of three ples per yard has been levied on all mill-made cloth consumed within the country and is expected to yield every year about Rs. 5 crores. Schemes for the development of khadi and handlooms are to be financed out of this resource.

The Cottage Industries Directorate has been merged as a part of the Development Wing and is responsible, generally, for all small-scale industries.

The primary objective of the policy laid down under the Five-Year Plan is to provide a field within which each cottage industry may be able to organise itself. Wherever a large-scale industry competes with a cottage industry, a common production programme should be evolved.

The programme may cover (a) reservation of spheres of production, (b) non-expansion of the capacity of a large-scale industry, (c) imposition

of a cess on products of a large-scale industry, (d) arrangements for the supply of raw materials and (e) co-ordination for research, training, etc.

To carry out research, the establishment of an Institute for village technology has been recommended by the Planning Commission.

Finance for the development of village industries has to be viewed as a problem inseparable from finance for agriculture. The formation of industrial co-operatives is, therefore, considered essential. Meantime, the responsibility for revitalising village industries has devolved on the Government.

In the States the Five-Year Plan provides Rs. 12 crores for cottage and small-scale industries.

The responsibility for organising industrial co-operatives lies on the State Governments. The number of industrial co-operatives rose from 3,758 in 1949 to 5,305 in 1950 and the plan expects to raise the total to about 8,000 by 1955.

The question of training the artisans has received considerable emphasis in the Five-Year Plan. The training centres maintained by the Central Government under the Directorate-General of Resettlement and Re-employment have trained during the past few years 144,000 persons.

The Ministry of Rehabilitation has arranged for the technical training of 82,000 persons from West Pakistan.

The plans of the State Governments provide for the following training programmes:—

	1950-51	1955-56
No. of Industrial Schools	365	456
No. of pupils trained ..	14,750	21,797
No. of technical and vocational institutions ..	280	407
No. of persons trained ..	20,708	42,997

TEXTILES

In the main, these are composed of two units—handlooms and khadi.

The details about the handloom industry have been given in the article on the cotton textile industry. Suffice it to say that there were in 1951 three million handlooms, accounting for a production of 810 million yards in 1950-51. This is proposed to be stepped up to 1,700 million yards by 1955-56.

To clear the unsold stocks, the Handloom Board has decided to subsidise sales.

The All-India Spinners' Association has at present in its fold over 2½ lakhs of persons engaged in khadi production. It is now proposed to subsidise the sales of khadi at the rate of three annas in the rupee which would work out at Rs. 3-3 crores on an annual output of 100 million yards. The balance of Rs. 4 crores will be spent on organisation, training, research and subsidy for equipment.

The main emphasis of khadi is to minimise the pressure of the problem of under-employment. It is hoped that about a million persons willing to devote four hours every day can have a supplementary income of Rs. 75 per month.

Calico printing is an old industry in Farukhabad and Ahmedabad and is now extended to most of the other cities. Over 25,000 people practise this art. In Farukhabad alone there are over 2,000 printers. The industry's products have a wide export market. During 1952 the cotton mills printed about 30 million yards. The question of reducing mechanised printing is under examination.

The Government of Bombay sanctioned during 1951-52 a grant of Rs. 5-90 lakhs for various schemes connected with khadi self-sufficiency. Self-spinners registered under the Katal mandals were granted a subsidy of half a rupee per square yard of khadi woven upto 20 square yards.

The scheme for opening 100 khadi self-sufficiency centres was continued in 1951-52 and a grant of Rs. 3,19,450 was sanctioned. In Bombay State there were 89 centres with 5,025 self-spinners who produced 57,477 square yards.

The khadi scheme of the Madras Government is run in two parts. The intensive schemes operating in eight centres aim at self-sufficiency. The extensive scheme prepares the ground. During 1951-52 khadi production in the State totalled 12-09 lakh yards. In Mysore the Government khadi organisation has been functioning for over 25 years.

In Hyderabad private organisations are functioning, and over 5,000 workers are engaged by them.

Silk weavers are found in nearly every State. Assam and W. Bengal are, however, the largest producers of silk accounting for two lakh looms and 15,000 looms respectively.

India is the only country where tussar, endi and munga silk is produced. The industry produces about 2 million lb. of silk and employs about a lakh of people. The industry is now heavily protected and a Silk Board has been constituted to promote its growth.

Spinning and weaving of wool are easier than that of cotton. At present the cottage industry has confined its activities to the production of carpets and kamblies. Under the Plan, it is proposed to have four wool spinning and weaving

centres for developing hand-spinning and hand weaving for the production of woollen blankets required by the defence services. Carding and finishing will however, be done by machinery operated by power.

OTHER INDUSTRIES

Coir-Making.—The aggregate production of the coir industry is approximately 1·3 lakh tons and supports about eight lakh persons. A coir Board is proposed to be set up to tackle the difficulties of the industry which is an important contributor to export earnings. The industry is mainly concentrated in Travancore-Cochin and the State's plan lays down an elaborate programme for its development.

Village Oil Industry.—The plan for this industry covers a common production programme for village oil presses and oil mills. The production of ghanis is proposed to be raised from 10 lakhs tons to 13·8 lakhs tons of seed pressing by 1955-56. The object is to organise 12,000 village oil centres, each serving a group of 40 to 50 villages and about 50 village oil presses. A development expenditure of Rs. 233·10 lakhs over four years is expected and this will provide employment for 100,000 persons.

The Indian Central Oilseeds Committee has decided to start demonstration centres of improved ghanis in each of the Community Project areas and has recommended to the Government of India to levy an additional cess of one anna per maund for the first five years, and two annas per maund thereafter for financing the development of the village oil crushing industry.

Under the Essential Supplies Act, the Government of India has delegated powers to State Governments to check the indiscriminate growth of oil mills. Under the Industries (Development and Regulation) Act the Union Government is competent to prevent further growth of the large-scale industry.

The All-India Khadi and Village Industries Board has recommended that the crushing of sesamum oilseeds should be completely reserved for the ghanis. It has also suggested the allocation of quantities of different oilseeds to mills and to ghanis.

During the Plan period, the mill-oil production is expected to rise from 22·12 lakh tons to 23·4 lakh tons of which 14 lakh tons will be edible, while the ghani oil production will be stepped up from 11·56 lakh tons to 17·53 lakh tons out of which only 0·45 lakh tons will be non-edible. Four lakh ghanis will consequently be fully engaged.

Paddy Husking.—Hand pounding of rice is an important village industry. It processes about 65 per cent of the paddy. The Five-Year Plan aims at improving the hand process for increased recovery of rice and production of bran in a pure form by introducing paddy husking stone chakkis in place of the pounding method.

Over a period of four years the distribution of about 50,000 chakkis in rice pounding areas is expected to be subsidised.

About Rs. 10 lakhs will be spent by the Government during the Plan period and 40,000 persons will be able to find employment as hand pounders.

The Food Ministry has declared that the huller type mills are a destructive type of equipment for milling, particularly raw rice. Under the Essential Supplies Act, the Union Government is competent to prohibit the establishment of rice mills. At present there are 15,000 huller mills in the country. The All-India Khadi and Village Industries Board has urged the Central Government that there should be no further increase in the number and capacity of the huller mills and that the use of the huller type for pounding rice should be banned.

Bee-Keeping.—Bee-keeping is a cottage industry which has not to compete with any machine. The industry is not, however, well

developed. The total yield of honey in the country does not exceed 12 million lb. a year and hardly a third gets into commercial channels. Consequently there have been heavy imports of honey.

The Five-Year Plan contemplates an intensive development of bee-keeping in selected areas in which the industry has already made some progress. For instance, Madras, Bombay, Uttar Pradesh, Punjab, Mysore, Travancore-Cochin and Coorg offer scope for intensive development. In each selected area there will be a sub-station serving a group of 20 to 30 villages. The scheme provides for training of staff and bee-keepers and for supply at subsidised rates of beehives and other appliances. Co-operatives of bee-keepers are envisaged for collecting and marketing of the honey.

The Plan provides for an outlay of Rs. 16·29 lakhs.

Paper Making.—The All-India Village Industries Association has a separate department for hand-made paper which mainly imparts training and carries on research in paper industry. The Association has encouraged the paper industry throughout the country. The methods of production are fairly satisfactory and the processes and implements are being improved year after year. Cotton rags, jute waste, paddy straw and grass of any kind that grows to a height of two feet, plantain stalks, sugarcane waste and waste paper are the chief raw materials. Hand-made paper is generally used for documentary purposes.

The five-year programme, therefore, suggests the production of high-grade hand-made paper at all existing centres. These centres will receive assistance in respect of equipment, training and research. Pulp-making is proposed to be done by power-operated machines, while other processes will be done by hand. It hopes to support 1,000 paper makers and turn out annually 1,400 tons of high-grade paper.

Soap Making.—In the village industry programme has been included a small scheme the main object of which is to utilise material now going waste. The scheme aims at establishing production-cum-demonstration centres in different States where neem oil will be produced and utilised in soap manufacture. It provides for 11 neem units, each one consisting of one soapery and 7 neem pressing centres producing a total of 1,260 maunds of neem oil and utilising it for the production of about 78 tons of soap every year.

Neem oil is at present produced in small quantities in Madras, Uttar Pradesh and Bombay. Neem trees are, however, in abundance all over the country and a survey recently conducted in Madras has shown that about 72,000 tons can be collected annually in that State alone. Actually however 20,000 tons of seed are crushed to yield 1,650 tons of neem oil. The neem oilcake is also a valuable manure.

Washing soap can be manufactured very easily on cottage scale provided caustic soda, oils, tallow, etc. can be made available at reasonable prices.

The question of encouraging this industry in rural areas by levying a cess on large-scale production and reserving a portion of the market is under investigation.

Palm-Gur.—According to a recent estimate India has 50 million palm and corresponding varieties of trees. At present some four million trees are tapped and yield 55,000 tons of palm gur. It is estimated that about 3·3 lakh persons are engaged in this industry. The Plan envisages an increase in production to 80,000 tons of gur. By spending about a crore of rupees, 60,000 agriculturists tappers can be trained.

Gur and Khandasari.—Gur and khandasari are well established in areas where there is not enough cane to start a sugar factory. Because the operations are near the field, the industry is carried on even in factory areas. The object of the programme is to extend the

use of improved types of cane crushers to obtain a higher percentage of extraction. It is proposed that over a period of four years about 100,000 cane crushers should be introduced and the introduction of small centrifugals for the manufacturing of khandvari popularised. As a result, about 600,000 cane growers in 30,000 villages supported by 1,200 whole-time workers, 3,000 part-time workers and 4,800 honorary workers, will find employment for part of the year and contribute Rs. 20 crores more to the national product.

Leather.—According to a livestock census in 1945 there are 18.07 crores big animals and 4.40 crores sheep and goats. About one-tenth of them die every year and if the dead bodies are properly disposed of, commercial products worth Rs. 30 per big animal can be recovered. The gross income from this source will be about Rs. 40 crores per annum.

The object of the scheme is to minimise waste due to the incomplete utilisation of dead animals. The programme provides for recovery work, tanning, leather craft and organisation of co-operatives of village leather workers. The Plan has provided for an outlay of Rs. 160.57 lakhs over four years so that about 3 lakh channars in 72,000 villages and 900 tanners can make a better living.

Matches.—Eighty per cent of the production of matches is at present controlled by one international combine, and several Indian factories are now lying idle. In addition it is estimated that about 0.6 million gross is the output of the cottage industry.

The Plan seeks to treble it in four years by providing for training, certain concessions and financial assistance to the cottage industry. The All-India Village Industries Board has recommended to the Union Government that a cess be levied on large-scale production and the proceeds be used for subsidising the manufacture by cottage industry and other small-scale manufactures.

Pottery and Earthenware.—The village potter has been gradually eliminated by new tastes and requirements. On the other hand, the demand for bricks, tiles, earthen pipes and crockery has been fast rising.

The Bengal Ceramic Institute established in 1941 has been engaged in solving the problems of the cottage workers in the pottery trades and also functions as a training centre. It has successfully introduced the production of Rockingham pottery. The problem of standardising cheap, durable, and easily cleanable cooking earthenware has been taken up.

The Government Ceramic Factory at Gudur, in Andhra State has been running an artisan course since 1947 for training students in improved methods of pottery making.

In Bombay State experiments on production of low temperature vitreous ware, of glass pots for bangle making and of single fired red clay glazed articles—all from local materials—are being made at the Government demonstration centre in Belgaum district.

STATE-WISE SURVEY

The more important of the industries have been discussed above. There are, however, a good many industries in which one or the other State has specialised.

The State-wise survey in respect of which the latest data is available is summarised below:—

The hand-loom industry is the most important and by far the best organised cottage industry in Bombay State. A small spinning machine of 10 spindles to be run by power and capable of producing 2 lb. of yarn of average 20s per 8-hour shift is now being tried. Besides there are 16,000 power-looms. One unit at Surat is of the co-operative sort.

The manufacture of woollen textiles on a cottage basis has not developed but good progress has been made in art silk weaving and hosiery manufacture. Out of 35 hosiery factories, only 3 employ more than 31 workers and the rest are smaller units.

A new industry which has sprung up lately produces personal requisites such as purses, wallets, spectacle cases and brief cases out of plastic sheets. In Bombay City there are six mechanised units. Nearly 50 small establishments are engaged in the manufacture of light chemicals. Their capital outlay is about Rs. 60 lakhs and production about Rs. 1½ crores. About 1,200 persons depend on this industry.

Out of 24 paints and varnishes manufacturing industries, 20 employ 50 or less persons.

Soap and toilet industry has 14 units.

The gold and silver thread industry consists of a large number of small factories and cottage units using electric power. About 1,000 factories having a capital investment of Rs. 52 lakhs engage 4,400 persons to produce goods worth Rs. 4 crores. There are 500 units with a capital investment of Rs. 20,000 to Rs. 50,000 each and of an aggregate total of Rs. 80 lakhs and employing 5,000 workers producing goods worth Rs. 4½ crores. Only six units have a capital outlay of more than Rs. 50,000 each. These employ 150 persons and production totals Rs. 6 lakhs against a capital investment of Rs. 9½ lakhs. The industry has a good export market.

The paper and board industry received a stimulus from the Second World War.

The bulk of leather is vegetable tanned; but 15 tanneries are well organised on a cottage scale. In manufacturing leather goods machinery is being slowly introduced.

Gur and jaggery manufacture ranks next to power-loom industry and out of 420 units over 400 employ 50 or less seasonal workers. Most of the manufacturers, unlike their counterparts in Uttar Pradesh, grow their own cane.

The engineering industry has made considerable headway in the State. Out of 886 organised engineering workshops as many as 130 have capital of less than Rs. 60,000 and employ less than 50. The aggregate capital invested by them is Rs. 42 lakhs, production totals Rs. one crore and about 2,850 persons are employed in these small works. There are 50 associations with 764 factories employing 3,400 persons as members. Fifty-one industrial co-operatives account for a membership of 2,234. Iron foundries alone number 278. Of these 120 were established in the post-war period. Over 20 are engaged in the manufacture of electrical goods. Production ranges from consumer goods and steel wire products to machinery spares and automobile parts.

Madras.—Industrial Co-operatives have been accepted as the basis for promoting cottage industries in Madras. The State itself has got a well-knit organisation to look after cottage industries. The Gandhiniketan Co-operative Village Industries Ltd., Kallupatti, meets, for instance, the important needs of the surrounding villages and is looked upon as a model for reorganising village industries.

In Vellore basket making and metal industry have been built on a co-operative basis.

Rope making at Madura, pottery production in Tirunelveli district, fabrication of goods in Madurai district, bee colonies in Madras, metal works in Salem district, production of toys by women in Madras have also to be mentioned.

The research institute is concentrating mainly on the development of 15 more important cottage industries. Prior to the war there was no pottery factory in the State; but Khurja potters are today producing a variety of products.

Uttar Pradesh.—Gur manufacture is the biggest cottage industry in Uttar Pradesh. The State has initiated a scheme for raising the output by introducing superior types of Kolhus. The scheme covers 4,000 villages.

The manufacture of essential oils and scents is a traditional cottage enterprise in the State. Experimental plantation of palma rosa, peppermint and camphor bearing cinchona and lemon grass plants as well as coriander, dill and aniseed has been started and an improved type of still has been designed.

About 10,000 workers are engaged in chemical gold thread manufacture at Banaras which has invested Rs. 3 crores in the industry. It costs only two annas per tola to colour the silver thread by the process evolved by the Technological Institute, Kanpur.

The glass bead industry has also made considerable headway.

Following the partition 52 concerns have been set up by refugees for manufacturing sports goods. Their annual output is approximately Rs. 45 lakhs, and about 2,000 workers have been gainfully employed.

The State has 657 weavers' co-operatives with a membership of 87,095 weavers.

West Bengal.—For tackling the unemployment problem, the West Bengal Government has placed much emphasis on cottage industries, 13 reela's co-operatives, 5 waste silk spinners' units and 5 silk weavers co-operatives have been already formed.

A model apiary for bee-keeping has been set up in Kalimpong area. For the promotion of the khadi industry 19,556 villagers have been trained since 1948 at 26 centres covering 926 villages.

Twenty-one co-operatives have been registered for palm gur production and steps have been taken to organise the manufacture of handmade paper.

Madhya Pradesh.—The handloom industry is the principal cottage industry in Madhya Pradesh. There are 81 cottage industrial co-operatives other than handloom weavers' societies with a membership of 3,128.

The details of the more important ones are given below:—

Industry	No.	membership
Brass Metal Workers' Societies	26	291
Iron and Steel Fabrication	5	52
Leather Goods	3	76
Home Industries for Women	4	440

The plentiful supply of raw materials in the former Chhattisgarh States prompted the Government to develop cottage industries through Lokshalas.

Labour saving contrivances for cottage industries have been installed in the Cottage Industries Laboratory, Nagpur, where practical training is given to the public.

Units for automatic rope making and fibre extraction have been set up and a machine capable of producing cheap cordage out of paddy straw has been introduced.

Punjab.—Industrial co-operatives have been well developed in the Punjab. There are 294 societies with a membership of 5,548 and a working capital of Rs. 21 lakhs. Of these 10 are central institutions accounting for one-tenth of the membership and half the capital. They are mainly concerned with the purchase of raw materials on behalf of primaries and provision of credit.

Recently the Government work centres at Nilokheri were converted into seven industrial co-operatives.

The primaries are classified as under:—

Textile 136, Leather 44, metal 82, oil 46, Hosiery 7, Wood makers 9, Mat makers and Soap makers 2 each and Sports, Glue, Plastic, Calico printing, Saltpetre and Brick makers one each.

Punjab has been traditionally noted for several types of artware products. The total investment in this industry is roughly Rs. 1½ lakhs and though only about 100 persons are at present engaged in it, the scope for expansion is considered to be great.

Carpet making has been carried on in the State since early Moghul period. Practically all the carpets intended for export are made in factories or in cottages controlled by factory owners.

Orissa.—Filigree and horn industries, two of the cottage industries of the State having a large export potential date from ancient times. The industries languished after the Moghul period but are now being revived. At present there are 150 filigree workers confined only to three different centres of Cuttack—Maninghpata specialising in decorative and furniture works, Muhammadia Bazar famous for flowery work and Dagarpada specialising in filigree ornaments.

During the war as many as 1,500 persons were engaged in producing articles from horn; but now hardly 200 are able to find any work. The industry is generally run individually but co-operative effort is once again being made.

Typical of the organisation in the State is the "Orissa Poor Industries Cottage" a private institute, started in 1926. It carries out experiments on processes of producing articles, utilisation of materials available in villages without much cost and on tools and demonstrates the production of useful articles of handicrafts practically out of waste.

Bihar.—This is the only State which produces shell buttons from the mother-of-pearl. Started in 1908, there are now 45 factories in Mehul almost the whole population of which is engaged in this industry.

Assam.—The Cottage Industries Department has confined its activities to cottage industries like soap manufacture, bee-keeping, handmade paper and shellac. The Government Paper Tralung Institute, Shillong, produces large quantities of file-boards, envelopes, and a variety of handmade paper. Industrial loans are granted at 5 per cent. interest. Production of mulberry silk has doubled since 1947, while that of eri and muga is about 5½ lakh lb. The provision in the budget for cottage industries has been doubled from Rs. 4.32 lakhs in 1948-49. The traditional crafts of the State are hushai rugs dyed in different colours, dinner mats, Manipuri articles and shoulder bags.

Manipur.—Cottage industries such as handloom cotton and silk weaving, gold smithy, carpentry, pottery and tailoring collectively constitute the basis of the economic life of the people. The Government has drawn up a scheme of development for most of the industries. Out of a total population of six lakhs, 1½ lakhs are weavers.

Hyderabad.—The State's five-year plan has set the target of bringing 25,000 craftsmen into productive activity and of adding Rs. 5 crores to the national income.

The whole State has been divided into zones and each of them will have a warehouse, a workshop and a training centre. The industries to be covered are handloom weaving, leather goods manufacture, oil and perfumery, pottery and earthenware, woodwork and bamboo, chemicals, dyes and fertilisers, stone and slate cutting, food and dairy products, forest industry, and kambal, carpet and woollen goods manufacture.

Almost all of them are in existence but the methods are crude, equipment poor and organisation absent.

In the new set-up there will be primary industrial Co-operatives of which the Federation of Industrial Co-operatives will be the apex body for procuring raw materials and equipment and providing finance.

Two renowned cottage industries of the State are the filigree and Himroo industries. About 120 goldsmiths in Karimnagar are experts in filigree. The Himroo fabric of Aurangabad is a richly ornamented production with diversified colour schemes. At one time 200 looms were

working in 40 factories; but today only three factories exist. The earnings of a Himroo weaver are about Rs. 45 to Rs. 60 per month, while the draw-boy gets about eight annas per day. Efforts are being made to revive this industry.

Madhya Bharat.—Cottage industries occupy a key position in the economy of Madhya Bharat and provide means of livelihood for 10 per cent. of the population.

No survey of these industries has been taken but the following figures of employment have been officially published:—

Textiles	26,914
Leather manufacture	24,052
Clay	20,809
Wood Working	16,927
Metal Industries	16,083
Oilseed pressing	12,546
Bamboo and Baskets	5,418
Miscellaneous	31,443
TOTAL	153,992

Among the new industries now being started mention may be made of sericulture near Indore, palm gird making in the Adivasi areas of Jabua and Dhar, leather toy making, bee-keeping and lac cultivation.

The State's Five-year Plan provides for an expenditure of Rs. 50 lakhs on development of cottage industries, and embraces a programme for (a) establishment of a provincial handloom weavers' society, (2) installation of a milling and finishing plant at Mandsaur, (3) creation of a pottery centre at Mandsaur for utilising waste shale from the quarries, (4) establishment of wood working institutes at Indore and Bhilsa, and (5) formation of 12 peripatetic demonstration parties.

Mysore.—Wood carving is an ancient industry in the State. In villages hand-driven lathes are used. About 400 families are engaged in this industry in Mysore and Shimoga districts, where teak, rose wood, sandal wood and ivory are in plenty. In Sri Chamarajendra Technical Institute a five-year course has been introduced. About 200 students have so far been trained and most of them have started small workshops.

Inlaying work is an art practised in Mysore since the 17th century. In Mysore and Bangalore cities, about 100 workmen grouped in 20 centres are engaged in this industry.

The drugget industry is about 200 years old and provides employment for over 800 persons. To develop it, the Centre has set up an all-India Drugget Board.

Rajasthan.—Calico printing is done all over the State but tie and dye printing requiring high dexterity and skill is a speciality. In handloom weaving yarn of even 120s is used. Khadi industry gives work to thousands of people. Coir and rope making is practised in almost every village. Niwar manufacture is another allied industry. Jaipur and Khandela are famous for *Gota Kinari*.

Rajasthan is the biggest wool producing State in India. And spinning of wool gives employment to a large number. Weaving is done on ordinary looms and products are coarse. Jodhpur and Jaipur are famous for the manufacture of embroidered shawls.

Jaipur produces the best type of brass work in the whole of India. Enamelling on metals with the help of shellac soluble colours is done at Jaipur and Nathdwara.

Hand-made paper is produced at Sanganer, Gosunda and Kotah.

Other lines include marble idols, lac, bangles, stone polishing and carving, bamboo baskets, chicks, lacquered toys and scents. The cutting of synthetic stones and precious stones alone supports 3,000 families in Jaipur.

Saurashtra.—The State Cottage Industries Board is concerned with the task of putting the cottage industries in the State on a sound footing.

Handloom industry is, next to agriculture, the major industry. It is poised to open a handloom centre where weavers will be called to work and learn on a wage basis.

Leather tanning has been organised and supply of implements and tanning materials is subsidised. Efforts are being made to popularise palm-gur and the Board is running six centres in which 62 students were trained in 1951-52.

Bee-keeping is still in an experimental stage.

There are about 14,000 handlooms supporting 36,000 families.

The rest of the industries are scattered. These include wooden toys, ornaments, wood-working, button manufacture, clay and plaster modelling, carpet weaving, stoneware articles and basket making.

An Industrial Co-operative Association has been fostered by the State Government with substantial capital for organising artisans on co-operative basis and to supply them with raw materials at controlled prices.

Travancore-Cochin.—Besides the coir industry, the State specialises in palm gur, handloom weaving, pottery, wood carving and bee-keeping. A Cottage Industries Board has been set up to ensure an orderly development of industries. The establishment of an industrial museum and sales emporia for cottage industries has been decided on.

Himachal Pradesh.—The main cottage industries are wool spinning and weaving, manufacture of leather goods, paints and varnishes, phenyle and sealing wax. There are 2,607 handloom and 26 industrial co-operatives. Expansion of sericulture, textiles, wood working, sports, basket-ware, pottery and matches is contemplated. A sum of Rs. 7½ lakhs was budgeted for this purpose in 1953-54.

The sericulture industry exists in all districts. There are two training institutes. A spinning mill for woollen yarn is being established at Jogindernagar. Schemes are under way for starting hand-weaving.

Clays in Mandi district are suitable for manufacturing stoneware, small containers and cheap crockery.

The plan provides for the manufacture of Mangalore tiles at Paonta and of slates in Mandi and Chamba.

Ajmer.—The Ajmer State is one of the biggest wool exporting centres. Low quality woollen goods are produced in the State. Handloom weaving is an important industry accounting for nearly 2,000 weavers, 2,300 handlooms and 26 Weavers' Societies. Tobacco and sup making industries give employment to over 4,000 persons. Button manufacture is a new industry. The two factories at Bawar use dome as raw material.

Coorg.—Coorg is a good honey producing area. Co-operatives have been well developed and have marketing organisations all over the State.

FILM INDUSTRY

At the end of 1952 there were nearly 2,400 cinemas in buildings and about 850 in tents or other similar structures. The average capacity of a permanent theatre in India is about 600, ranging between 400 and 1,200. The annual attendance was computed at 60 crores. The cost of a large theatre in major cities might exceed Rs. 8 lakhs; but smaller theatres predominate in numbers and the average cost of such a theatre would be about one lakh of rupees. The over-all capital outlay in the exhibition section would amount to nearly Rs. 26 crores.

The annual production of films was about 275 in 1949 and 1950 and the average cost of a picture was about Rs. 3½ lakhs. There were nearly 60 studios with their equipment costing about Rs. 4 crores and 38 processing laboratories with a capital investment of Rs. 2 crores. Some 70,000 workers were engaged in the industry. According to the Patil Committee, the net revenue was about Rs. 20 crores. Nevertheless the enterprise was profitable to a comparatively small proportion of producers.

FILM PRODUCTION

India occupies a second place in the world industry from the point of production. The

The details regarding the more recent production trends are given below :—

	Total		Bombay		W. Bengal		South	
	Hindi	Regional Language	Hindi	Regional Language	Hindi	Regional Language	Hindi	Regional Language
1950 ..	115	126	106	38	7	44	2	44
1951 ..	100	121	91	27	5	40	4	54
1952 ..	102	131	91	21	6	42	5	68

Since 1947 production, particularly of Hindi films, has been steadily on the decline and that of films in regional languages has been steadily rising. Western India continues to be the major producing centre, but Bombay's share has fallen from 75 per cent. in 1946 to less than 60 per cent. in 1952. Another significant development is the production of pictures in colour, one picture in colour was released in 1952 and another early in 1953. The release position has considerably improved since 1951 and there is no longer a back-log of unreleased pictures. The terms of exhibition have also partially come down and the production costs have declined.

SHORT FILMS

"Short Films" include documentaries, news-reels, cartoons and comic strips. The industry has hardly evinced any interest in this line. The Information Films of India set up by the Government of India in February 1943 produced documentaries in five languages, namely, English, Hindi, Bengali, Tamil and Telugu. The themes were selected by the Department of Information and Broadcasting and 101 shorts were produced until the Division was closed in May 1948. During the war Government activity was extended to the production of newsreels and cartoons also.

The Films Division as a branch of the Ministry of Information and Broadcasting was set up in Bombay early in 1948. Till 1950 it produced 70 documentaries. Besides the stipulation that all exhibitors shall show "approved" films at each show, the rental is charged by the Films Division.

The annual report of the Ministry of Information and Broadcasting for 1952-53 says that the Films Division produced and released 89 documentaries (including 7 obtained from outside producers) as against 36 last year. An important feature of the year was the production of two colour "shorts". The scheme for producing

progress of film production from 1948 is given below :—

Year	Number of films passed by Censors.
1948 ..	264
1949 ..	289
1950 ..	241
1951 ..	221
1952 ..	233

The production activity is virtually confined to Bombay, West Bengal and Madras. Bombay concentrates on films in Hindi, Marathi and Gujarati. Bengal's production is chiefly in Bengali and to a lesser extent in Hindi, and Madras produces films in regional languages of south India, namely, Tamil, Telugu, Kannada and Malayalam. In 1939, 94 producers produced 167 films and the highest production by any single producer was nine. In 1948, 211 producers produced 264 films, the highest number of films produced by any single producer being only six. The number of "newcomer independents", having neither their own studios nor any previous connection with the industry, is large, and "infant mortality" among them is also heavy. In 1947, out of 214 producers, newcomers were 156; but in the following year only 54 out of 214 survived, though the number of newcomers reached 157. Only 25 producers could claim to be in the industry for three consecutive years from 1946 to 1948.

documentaries for State Governments on payment by them of half the cost did not receive adequate response. Films Division shorts are now being screened in several countries. It also organised an International Film Festival in 1952. Two units will be set up for producing films in 35 mm. and 16 mm. dealing with Community Projects and three units will be started for producing 18 educational films every year.

16 MM. FILMS

The 16 mm. film has not received the attention it deserves. Its potentialities have not yet been adequately explored.

Economy of cost and storage are two main factors in favour of the 16 mm. film (1,000 ft. of 35 mm. = 400 ft. of 16 mm.). Colour is also easily available and the film can be processed and copies made in India itself.

About 50 full length Indian features, mainly in Hindi, Marathi and Gujarati, are available in 16 mm. The layout for the 16 mm. film theatre is small and the whole equipment is portable (about the size of two portable typewriters in all). There is therefore a vast scope for the development of the 16 mm. theatre on commercial lines. The general practice in this matter is, however, very strange. Whenever features are reduced to 16 mm., the new versions are released only after the exploitation of the standard size is complete.

There are 16 mm. libraries of films suitable for non-theatrical audiences maintained by the British Information Services and the U.S. Information Services through their regional offices. These offices also maintain trucks equipped with projecting machinery, and shows are arranged free of cost wherever wanted. Many industrial houses have also made good films, some in colour, of great value for education or information and they are easily available for showing through schools and institutions.

In the Defence Forces, 16 mm. films have been extensively used for training and entertainment. There are Inspectors of Visual Education under Directors of Public Instruction in the States who do valuable service by using 16 mm. projectors in educational institutions. They are, however, mainly dependent on imported films. The biggest single 16 mm. library of films in India is maintained by the Inspector of Visual Education in Bombay who makes the films available regularly to schools under him. The Ministry of Education in Delhi has recently started building up a library of 16 mm. educational films. The work done through the Social Education Scheme of the Madhya Pradesh Government is also worthy of note, particularly because of the exhibition arrangements through 26 well-equipped motor vans.

FILM DISTRIBUTION

Distribution as a distinct unit is a relatively recent development. In 1928 there were 11 film distributing agencies all dealing in foreign films. In 1938 their number rose to 214 and, ten years later, to 887. On the other hand, distributors of foreign films dropped from 27 in 1938 to 10 in 1948. The table relating to distributors is given below :—

	1938	1948
Eastern Circuit (Bengal, Bihar and Assam) ..	25	134
Central Circuit (Madhya Pradesh, Madhya Bharat, Rajasthan and Bhopal) ..	5	49
Northern Circuit (Uttar Pradesh, Punjab and Delhi) ..	34	168
Western Circuit (Bombay and Saurashtra) ..	32	153
Southern Circuit (Madras, Mysore and Hyderabad) ..	118	383
Distributors of Foreign Films	27	10
Distributors of 16 mm. Features ..	—	27
Total ..	241	924

The main export market for Indian films is Pakistan; but Indian exporters are now being put to considerable difficulties. Other markets are countries where there are large groups of Indians such as Malaya, Indo-China, Burma, Ceylon and Africa. Imports of exposed cinematograph films have been fairly heavy. Until 1936-37 imports remained below 10.8 million feet, touched a peak at 26 million feet in 1938-39 and dropped to 6.9 million feet in 1942-43 owing to wartime conditions. In the post-war period imports recovered to 16.2 million in 1945-46 and thereafter fluctuated between 15 million feet and 12 million feet. Under the import control regulations, import of foreign films are subjected to a monetary ceiling and distributors are authorised to remit up to 70 per cent. of the gross revenue.

The years 1952 and 1953 marked a period of acute depression for distributors and exhibitors. In Sholapur (Bombay State) the competition became so intense that five cinemas reduced the rates of admission to a flat rate of one anna for all classes. The Government of Bombay imposed additional restrictions on touring cinemas precluding them from visiting an area declared as the Sarvodaya area or a place with a population of less than 2,000. No touring cinema can visit a place in Bombay State within a year from the date another one was operating in that State nor can it return to the same place for a period of three years. The Films Division also raised the rental on "approved" films.

Recommendations of the Film Enquiry Committee.—The following is a summary of the more important recommendations of the Film Enquiry Committee :—

(1) A Film Council of India as the central authority should be set up to regulate the industry and to advise the State and Central Governments on matters connected with production

distribution, and exhibition of films. The Council should have statutory powers in regard to licensing of studios and supervise training institutions.

(2) There should be Production Code Administration on the lines of the one in the U.S.A. with four regional branches in Delhi, Calcutta, Bombay and Madras and a Central Office. Its main task should be to avoid wastage. At the same time, the restriction on footage should be withdrawn.

(3) A Film Finance Corporation should be established to provide finance to the industry on the condition that the producer raises at least one-fourth of the capital.

(4) The entertainment tax should be on an *ad valorem* basis at the level of 20 per cent. of the gross takings. Half the proceeds should be earmarked for the Film Council and 5 per cent. of the proceeds should be earmarked for the initial capital of the Film Finance Corporation. The fee charged from the producers for certification should be nominal. Films should be exempted from the operation of octroi and terminal taxes. Internal customs duties and police charges should have no place. The licence fees for storage of films should cover the actual overhead charges. The show tax imposed by Municipalities is unjustified.

(5) Imports of raw film should be on the O. G. L. and the Film Council should put the ceiling on consumption at 240 million feet.

(6) The exhibition of "approved" films of an informative or instructive nature as an essential part of each programme has proved quite successful and should be continued. Such compulsion should not, however, exceed one-tenth of the total screen-time for each show.

None of the above recommendations has been implemented by the Government.

CINEMATOGGRAPH ACT

The regulations of films for exhibition and of the cinemas is carried under the Indian Cinematograph Act. The power of certifying films was until the amendment of the Act in 1949 vested in the State Governments. Since production was concentrated in the three States of Bombay, Bengal and Madras and imports also mainly took place through the three ports in those States, the first examination of films for certification was done mainly by the Boards at these three cities. The Act as amended in 1949 made a distinction between films considered suitable for exhibition to adults only and those suitable for general exhibition.

The Act was amended in 1952 and a Bill was introduced in Parliament in November 1952 to amend the Act with a view to removing certain defects noticed in the course of actual administration. Under the law the responsibility for deciding whether a film is or is not suitable for public exhibition is entrusted to the Central Board of Film Censors; but powers are vested in the Central Government to declare that any film already certified as uncertified and notice has to be given to the person who has been granted certificate to show cause why the film should not be uncertified. This delay is sought to be avoided by the amendment. Provision has also been made in the Bill making it obligatory on persons delivering a certified film to a distributor or exhibitor to transmit information and documents relating to the certificate which would enable punishment of the exhibitor if he shows the film with portions cut out by the Board before certification. The difficulties encountered in proceedings against persons for interpolation and exhibition of unauthorised scenes in certified films are sought to be encountered by the Bill. Enhancement of the penalty has also been suggested. The Bill was passed in April 1953.

The censorship rules amended in January 1953 provide that no certificate will be issued until a copy of the film as certified in 35 mm. or 16 mm. or a shooting script of the film is deposited with the Board and that the certificate shall be valid for five years from the date of its issue.

During the period April 1, 1952 to January 31, 1953 the Central Board of Film Censors examined 2,298 films of which 59 were also

examined by Revising Committees in addition to Examining Committees. 2,434 films were granted certificates. Of these 2,411 were 'U' and 23 'A' certificates. 21 films were refused certification, while a number of films were certified after exclusion of certain portions. The total footage ordered to be cut during the period was 46,995. Appeals were received by the Government in respect of 8 films. Three were rejected and in the case of 2 the decision of the Board was reversed. In regard to the remaining three films, the Board was asked to issue certificates subject to certain cuts. 15 films were re-examined by Reviewing Committees of the Board. The certificates of two of these were converted from 'U' to 'A' and in the case of six films orders for exclusion of certain portions were issued. During the period 711 films were certified as predominantly educational.

FEATURE FILMS

Year	Produced in India	Imported into India
1947*	283	313
1948..	265	291
1949..	280	301
1950..	241	240
1951..	221	312
1952..	233	328
Average per year ..	255	297

*India and Pakistan.

PRODUCTION OF FEATURE FILMS (By LANGUAGE)

	1949	1950	1951	1952
Hindi ..	159	115	99	102
Marathi ..	15	19	10	17
Gujarati ..	16	13	6	2
Bengali ..	62	42	39	43
Tamil ..	20	19	28	32
Telugu ..	7	18	20	25
Others ..	10*	15†	15††	12†††
Grand Total ..	280	241	221	233

* 6 in Kanarese. †† 7 in Malayalam.
† 6 in Malayalam. ††† 11 in Malayalam.

PRODUCERS OF INDIAN FEATURE FILMS

Year	New-comers	Total Producers
1948 ..	157	211
1949 ..	168	228
1950 ..	113	197
1951 ..	98	190
	536	826

FILMS DIVISION (Expenditure)

	Actuals ..	Rs.
1948-49	..	10,10,484
1949-50	..	29,23,002
1950-51	..	34,79,000
1951-52	..	31,00,000
1952-53	..	36,00,000
1953-54*	..	27,00,000

*Provisional.

ESTIMATED REVENUE

(Collection of rentals on documentary and newsreels shown)

	Rs. 10 lakhs
1949-50
1950-51
1951-52
1952-53
1953-54

TOTAL PRODUCTION .. 183 documentaries and 287 newsreels. (upto 1953 Oct.)

CINEMAS IN INDIA AND THE "CIRCUITS"

Circuit	Places	Permanent Cinemas
1. Bombay ..	301	619
2. Central ..	272	501
3. North ..	162	385
4. Bengal ..	259	504
5. South ..	493	924
Total ..	1,487	2,933

IMPORT OF FILMS

	Raw Films		Exposed Films	
	Footage (m. feet).	Value (Rs. in lakhs).	Footage (m. feet).	Value (Rs. in lakhs).
1948-49 ..	156.42	77	12.30	N.A.
1949-50 ..	178.75	95	14.63	N.A.
1950-51 ..	208.50	128	14.54	36.06
1951-52 ..	198.17	136	10.60	28.01
1952-53 ..	247.64	166	12.95	39.69

N.A. = Not available.

IMPORT OF EQUIPMENT

(Rs. in lakhs).

	1948-49	1949-50	1950-51	1951-52	1952-53
Cinema projecting apparatus etc. ..	37.14	61.08	61.95	53.79	25.58
Sound recording apparatus etc. ..	24.53	11.50	9.53	17.56	10.70

PRODUCTION OF FEATURE FILMS IN OTHER COUNTRIES

	1949	1950
Argentina ..	46	57
Egypt ..	—	54
France ..	104	106
Germany ..	63	78
India ..	239	241
Japan ..	156	115
Mexico ..	106	N.A.
U.K. ..	132	125
U.S.A. ..	361	395

COUNTRY OF ORIGIN OF FEATURE FILMS EXHIBITED IN INDIA

	1948	1949	1950
India ..	260	211	144
America ..	190	224	183
Britain ..	50	14	15
Other countries ..	—	1	2
Total ..	500	450	344

GLASS INDUSTRY

THE more commonly used raw materials are: sand, borax, soda ash and salt cake, dolomite, lime or limestone, salt petre and sulphur, manganese dioxide and colouring materials. Though supplies of sand are in plenty, its quality is not uniform. Nearly all the glass factories of northern India and West Bengal obtain their requirements of sand from the Allahabad district. Subsequent to the Tariff Board's inquiry in 1932, little progress has been made in the installation of grading and washing equipment for sand. Borax is mostly obtained from abroad, while soda ash is received from indigenous manufacturers and importers. Sufficient quantities of lime or limestone are available. Coal is the commonest fuel. The bulk of refractories is obtained from indigenous sources. The demand for refractories by the glass industry is estimated at about 10,000 tons per year.

The industry comprises the manufacture of sheet glass, blown and pressedware and bangles. The industry has developed mainly under the private sector with reported capital investment of Rs. 5.78 crores in 1951.

Some 26,000 workers excluding those engaged in cottage industries are employed in the industry. Government protection to the sheet glass section was granted in 1950.

The total number of factories in 1951 was 109 and their regional distribution was as under:—

State.	No. of units.	Annual rated capacity.
		Tons.
West Bengal	30	63,600
Bombay	22	43,560
Uttar Pradesh	21	36,960
Madras	8	6,850
Bihar	8	16,380
Madhya Pradesh	5	4,220
Punjab and Pepsu	4	4,140
Delhi	2	1,200
Rajasthan	2	900
Hyderabad	2	3,960
Saurashtra	1	360
Mysore	1	720
Travancore-Cochin	1	600
Orissa	1	3,600
Madhya Bharat	1	1,800
Total	109	188,850

Besides there were 35 units with an installed capacity of 30,000 tons which had not been in operation for over three years bringing the total capacity of all the units in the country in 1951 to 218,850 tons.

The manufacture of bangles was undertaken by about 100 units, mostly established on a

cottage industry basis and localised in the Ferozabad district in Uttar Pradesh and Belgaum district in Bombay. The rated capacity of these factories was placed at 35,000 tons. In the sheet glass section there were three units in existence in 1950-51 with a combined rated capacity of 23.4 million sq. ft. equivalent to about 11,700 tons.

OUTPUT

Actual output of glassware is shown by the following table:

	1949	1950	1951
	Tons.	Tons.	Tons.
Bangles	17,000	16,000	14,000
Bottles and phials	46,951	51,850	60,948
Table and pressedware	6,625	12,950	11,372
Lampware	9,937	13,150	15,862
Scientific glassware	1,987	2,137	1,970
Miscellaneous	1,324	1,985	3,291
Sheet glass	1,936	5,098	5,800
„ in million sq. ft. ..	(3.5)	(9.57)	(11.1)
Total	85,760	103,270	112,743

During 1952 the actual production, however, showed a decline. The output of sheet glass dropped to nine million sq. ft. and that of laboratory glass to 1,476 tons. A small increase of a little over 10 per cent was noted under glass shells for electric lamps whose production rose from 144 lakh pieces to 166.8 lakh pieces

in 1952; but the other glassware reported a fall from 90,324 tons in 1951 to 85,224 tons in the following year.

The year was notable for a good increase of 30,000 tons in the capacity on account of 8 new units coming into existence.

Imports and exports are as follows:

(Rupees in lakhs)

	1948-49	1949-50	1950-51	1951-52	1952-53
Imports	165	191	57	214.73	128.05
Exports	24.3	10	15	21.42	24.16

DEVELOPMENT PLANS

For meeting the domestic and export needs, other than bangles. Even then imports of glass to the extent of Rs. 30 lakhs might be necessary in 1952-53 and of Rs. 20 lakhs in 1955-56.

The following table summarises the programme of development during the period of the Plan —

	1950-51		1955-56	
	Annual rated capacity.	Actual production.	Annual rated capacity.	Actual production.
	Tons.	Tons.	Tons.	Tons.
Bangles	35,000	16,000	35,000	16,000
Sheet glass	11,700	5,850	52,200	26,000
Blownware and pressedware including glass shells	201,550	86,100	237,800	137,500
Safety glass (m. sq. ft.) .. ..	..	..	0.5	0.5
Optical glass .. ..	..	..	12	10
Total (excluding bangles) ..	213,250	91,950	290,012	168,510

HIDES, SKINS AND LEATHER

THE Republic is regarded as a surplus area in respect of its resources of raw hides and skins. It is estimated that normally it produces 16.2 million cow hides, 6.5 million buffalo hides, 23.2 million goat and 15.1 million sheep skins a year. Only a portion of the cattle and buffalo hides is obtained from slaughtered animals and the bulk, about 75 to 80 per cent, is derived from animals that die a natural death.

The bulk of the production is carried on in small towns and villages.

The tanning industry comprises four sections, viz., 1. organised tanneries producing finished vegetable tanned buffalo leather and chrome tanned upper leather; 2. tanneries producing vegetable tanned leather known to the trade as E. I. kips and E. I. tanned skins; 3. small-scale chrome tanneries producing chrome tanned upper leather; and 4. village tanneries producing vegetable tanned cow and buffalo leather and vegetable tanned leather from goat and sheep skins.

The number of factories and annual rated capacity in 1950 of each of these sections was as follows :—

—	Number of factories.	Capacity in million.
1.	26 (16 produce chrome)	3.184 (hides for vegetable tanning) 1.976 (hides for chrome tanning)
2.	500	10 (tanned hides) 20 (tanned skins)
3.	250	3 (hides)
4.	..	8 to 9 (raw hides) 3 to 4 (raw goat and sheep skins)

The second section is mainly concentrated in south India, while the third is located in Calcutta and worked by the Chinese.

The main problems about raw material relate to the supply of hides and skins and wattle bark. Supplies of hides have to be arranged from Pakistan. As for wattle bark, the Government of Madras is reported to be taking steps for bringing about 21,000 acres under wattle plantation.

FOOTWEAR INDUSTRY

The principal use of leather is for the production of footwear. According to the Monthly Statistics of Selected Industries, nine of the large-scale factories in existence had an annual capacity of 4.7 million pairs of Western type footwear in 1951, while small-scale factories and cottage units turn out annually about 13 million pairs of Western type footwear, and 70 million pairs of the indigenous kind.

The output of the large-scale factories since 1948 is given below :—

—	Western type (million pairs).	Indian type (million pairs).
1948 ..	3.202	2.068
1949 ..	2.850	2.108
1950 ..	2.837	1.997
1951 ..	3.641	2.074
1952 ..	3.367	1.806

On the basis of the level of footwear production estimated at 85 million pairs in 1950-51, the requirements of raw materials are approximately 10.25 million tanned hides and 4 million tanned skins, 4.51 million reels for upper and 300 tons for others of thread, 240 million pieces of eyelets, 1,100 tons of other items of grindery and 7.5 million yards of abrasives.

Imports and Exports are as follows :—

no. of pairs.				
—	1948-49.	1949-50.	1950-51.	1951-52.
Imports	....	24,140	Negligible	....
Exports	778,145	380,933	539,228	1,417,506

The Planning Commission thinks that exports during the period of the Plan should fluctuate between 0.539 million pairs and one million pairs and has recommended that the production should be raised from 85 million pairs in 1950-51 to 91 million pairs by 1955-56 by fuller utilisation of the existing capacity of large-scale factories, and through the establishment of 100 new small-scale units each with a daily output of 100 pairs of Indian type.

PRODUCTION

The following is the trend of production :—

Year.	Chrome and tanned hides.	Vegetable tanned buffalo and cow hides (in terms of cow hides).	Leather cloth (000 yards).
	(thousands)	(thousands)	
1948	1,087.2	1,958.4	....
1949	580.8	1,834.8	....
1950	879.6	1,514.4	....
1951	650.4	1,704.0	1,808.8
1952	823.2	1,478.4	845.0

According to the census of manufactures, 1950, the total fixed investment in 81 factories giving employment to 8,330 workers in 1950 was Rs. 85 lakhs and the working capital Rs. 261 lakhs.

The annual requirements of raw materials at the beginning of 1950-51 were :—

Raw hides—20 million pieces; raw skins—25 million pieces; lime—25,000 to 30,000 tons; wattle bark and wattle bark extract—30,000 tons (imported); other barks—300,000 tons; myrabolans—25,000 to 30,000 tons; sodium sulphide—700 tons; boric acid—1,000 tons; sulphuric acid—1,500 tons; sodium bichromate—1,200 tons; sodium thiosulphate—300 tons; fish and vegetable oils—4,000 tons; coal tar dyes—125 tons; artificial dyes—60 tons; water and nitrocellulose pigment finishes—150 tons; and tallow—1,000 tons.

Imports of manufactured leather are insignificant, but exports play a vital part in the foreign trade as shown below :—

(Value in lakhs of rupees)			
—	Hides, tanned or dressed including calf skins.	Skins, tanned or dressed.	Leather unwrought.
1948-49 ..	4.96.4	7.20.4	39.4
1949-50 ..	8.53.3	11.73.0	58.5
1950-51 ..	12.12.2	13.24.8	38.0
1951-52 ..	13.61.3	11.31.7	39.2
1952-53 ..	9.22.1	10.74.4	15.7

JUTE INDUSTRY

The following table gives the details of the production trends of raw jute in the Indian Union :—

Year	Lakh acres	000 bales
Average		
1936-37 to 1938-39	8.7	1,904
1944-45	5.9	1,184
1945-46	5.9	1,459
1946-47	5.3	1,320
1947-48	6.5	1,658
1948-49	8.3	2,055
1949-50	11.6	3,117
1950-51	14.5	3,270
1951-52	19.5	4,677
1952-53	18.84	4,695

Following the partition India has not only ceased to be an exporter of raw jute but presently depends on imports from Pakistan. These are arranged under bilateral trade pacts concluded periodically for a short duration.

The statistical position of raw jute for 1951-52 season (actual) and for 1952-53 season (estimated) is given below :—

			(Bales)	
			1951-52. July-June.	1952-53. July-June.
Supply				
Opening stock—				
With Mills	.. .. .	.. .. .	10,13,000	11,05,000
With balers	.. .. .	.. .. .	43,000	50,000
Indian Crop	.. .. .	.. .. .	46,78,000	46,95,000
From Pakistan	.. .. .	.. .. .	18,00,000	15,00,000
Total Supply			75,34,000	73,50,000
Consumption				
Mill Consumption	.. .. .	.. .. .	61,00,000	56,30,000
Domestic Consumption	.. .. .	.. .. .	1,00,000	1,00,000
Total Consumption			62,00,000	57,30,000
Carry over				
Theoretical	.. .. .	.. .. .	13,34,000	16,20,000
Actual	.. .. .	.. .. .	11,58,000	Not Available.

Though India has achieved self-sufficiency, she still depends on Pakistan for quality jute.

The following table gives the trend of mill consumption of raw jute :—

Year ended June	Lakh bales
1947-48	61.7
1948-49	62.0
1949-50	49.1
1950-51	51.1
1951-52	56.88

JUTE INDUSTRY

In 1950 there were 112 registered jute mills with a total number of 72,161 looms ; of these 101 were located in West Bengal.

The loomage on June 30, 1951 was 72,235 capable of producing 100,000 tons of jute goods per month. 107 mills had a fixed capital of Rs. 29.81 crores and a working capital of Rs. 87.4 crores in 1950. In the same year, 306,000 workers found employment in the industry.

The progress of the industry during the past few years is summed up in the following table :—

Year (July-June)	Production				Exports		Stocks
	Hessian	Sacking	Others*	Total			
1939-40 ..	576	646	42	1,264	1,147	146	4
1940-41 ..	449	499	36	984	821	145	145
1941-42 ..	591	588	46	1,225	825	251	251
1942-43 ..	484	662	59	1,205	689	275	275
1943-44 ..	393	521	40	954	635	195	195
1944-45 ..	415	545	40	1,000	677	177	177
1945-46 ..	463	581	41	1,085	801	188	188
1946-47 ..	418	510	34	962	800	176	176
1947-48 ..	483	520	32	1,035	898	120	120
1948-49 ..	494	577	110	1,081	872	107	107
1949-50 ..	285	505	111	901	787	71	71
1950-51 ..	329.7	493	25.2	857.9	649	90.4	90.4
1951-52 ..	309.4	607	28.8	945.2	769	30	30

* Includes production of non-member mills in 1948-49 and 1949-50.

PRICES

The following table gives the average quotations of jute manufactures since 1940-41 :—

July-June	Hessian 40" x 8 oz. per 100 yards	B. Twills—21 lb., 44 x 26 1/2 6 x 3' per 100 bags
	Rs. a. p.	Rs. a. p.
Average		
1940-41 ..	13 14 0	32 3 0
1941-42 ..	18 11 0	38 10 0
1942-43 ..	17 5 0	56 4 0
1943-44 ..	21 5 0	66 9 0
1944-45 ..	22 2 0	64 2 0
1945-46 ..	21 15 0	65 7 0
1946-47 ..	35 10 0	97 7 0
1947-48 ..	43 14 2	118 14 3
1948-49 ..	40 11 0	137 12 0
1949-50 ..	43 7 0	155 12 0
1950-51 ..	54 1 0	183 12 0
1951-52 ..	64 9 0	206 1 0
April 1953 ..	39 4 0	87 9 0

In order, however, to have a correct perspective on the prices of raw jute and jute manufactures, the following index number of prices will be interesting :—

INDEX NUMBER OF PRICES

(Base July 1914=100)

Period	Raw Jute	Manu- factured Jute	% of Jute Goods to Raw Jute
Average of 1924-28 ..	114	156	137
" " 1929-33 ..	59	88	149
" " 1934-38 ..	49	69	141
" " 1939-43 ..	87	134	154
" " 1944-48 ..	188	274	146
" " 1947 ..	251	366	146
1948 ..	296	383	129
1949 ..	290	391	135
1950 ..	301	424	141
1951 ..	517	645	125
1952 ..	277	386	139

Ever since the devaluation of the Indian rupee and non-devaluation of the Pakistani rupee, supplies of raw jute from Pakistan badly needed by Indian jute mills became difficult and while there was a boom in the demand for jute goods due to outbreak of hostilities in Korea in mid-1950, the production of jute goods outside India considerably increased. This competition became intense following Pakistan's decision to charge a higher price for supplies meant for India and, consequently, the Government reduced the export duty in May 1952 from Rs. 750 to Rs. 275 per ton in the case of hessian and from Rs. 350 to Rs. 175 on sacking. With effect from March 1, 1953, export duty on sacking was lowered further to Rs. 80. Efforts were also made to stimulate American offtake of jute goods by sending a goodwill mission. On March 30, 1953 the working hours were reduced from 48 to 42 1/2.

The main problems facing the industry, observes the Planning Commission, are shortage of raw material, modernisation of equipment and possible competition in the foreign markets from substitutes and other products. Lack of finance is a major factor deterring the industry from undertaking modernisation. The task, therefore, is to utilise the existing capacity more fully by procuring greater supplies of raw jute. On this basis, it hopes that the output of the mills can be stepped up from 858,000 tons in 1950-51 to 1,200,000 tons in 1955-56 and exports from 650,000 tons to 1,000,000 tons.

LAC INDUSTRY

LAC is a resin which finds extensive application in industries. It is a resinous protective secretion of an insect which lives by sucking the sap of certain trees and shrubs called lac hosts.

There are four crops of sticklac, named after the Hindu months in which the collection of each crop commences. These are 'Baisakhi' and 'Katki' from one strain of the insect (Rangeeni) and 'Jethwi' and 'Aghani' from another strain (Kusumi). The first processed product, after the crushing and washing of sticklac is known as 'seedlac'. From this shellac is manufactured.

Sticklac is generally an Indian product though for some time now Thailand has been a competitor.

The average production of sticklac in different States from 1946 to 1953, a period during which shellac was free from price control, is as follows:—

States.	Average crop (In maunds)
Bihar	673,019
Madhya Pradesh	290,041
West Bengal	48,535
Vindhya Pradesh	33,272
Assam	21,379
Orissa	20,349
Bombay	15,211
Uttar Pradesh	11,633
Other States	27,480
Total	1,141,819

There are no regulated markets for trading in sticklac.

Out of the 489 factories in the country, 405 are located in Bihar; only two are, however, fully mechanized.

Yield from sticklac varies from year to year and locality to locality.

Roughly the yield of seedlac and shellac is 65 per cent and 55 per cent of sticklac.

The cost of manufacturing one maund of shellac from seedlac is about Rs. 16 and of converting sticklac into seedlac is Rs. 3. In 1939 these were roughly Rs. 3-8 and as. 8 respectively.

Prices of shellac and seedlac have been subject to wide fluctuations.

During the first war, the price of T. N. Shellac at Calcutta ranged between Rs. 32 and Rs. 50 per maund but the upward movement initiated in 1917-18 lifted it beyond Rs. 200 in October 1920. Then followed a downward trend except for a slight recovery in 1927-28 and 1934-35, and the rate touched the bottom at Rs. 18 in 1933-34 and sought a fresh lower level at Rs. 13 per maund by April-June 1939.

During the Second World War—July 1942 to April 1946—the prices were controlled on T. N. basis at Rs. 64 and later at Rs. 71.

After decontrol, the prices started rising, but in March 1950 they fell to Rs. 95 on T. N. basis as compared with an average price of Rs. 130 in December 1949.

Following the outbreak of the Korean war, the price touched Rs. 190 in January 1951 but declined by the end of March 1952 to Rs. 92 per maund.

During 1952-53 the market was subdued with pure T. N. Shellac fluctuating between Rs. 84 and Rs. 66. There has been a firm trend since 1953 April and in November the rate was around Rs. 107 per maund.

About 90 per cent of the total quantity of processed goods is exported.

The U.S. is the best customer, followed by the U.K. and Germany.

EXPORTS

The data relating to the average annual exports in seven years preceding the War (1932-33 to 1938-39) and in the corresponding post-war period (1946-47 to 1952-53) are given below:—

	(Tons) Pre-war	(Tons) Post-war
SHELLAC AND BUTTON-LAC		
U.K.	7,993	5,504
U.S.A.	5,456	6,515
Germany	1,928	381
Other countries	5,741	6,379
Total	21,118	18,779
SEEDLAC		
U.K.	682	1,011
U.S.A.	5,980	7,018
Germany	508	174
Others	901	689
Total	8,161	8,892
STICKLAC		
U.K.	22	6
U.S.A.	4	—
Germany	3	114
Others	142	16
Total	177	136
OTHER KINDS		
U.K.	40	376
U.S.A.	78	576
Germany	631	850
Others	924	454
Total	1,673	2,256

	(Tons) Pre-war	(Tons) Post-war
ALL KINDS		
U.K.	8,737	6,898
U.S.A.	11,518	14,109
Germany	3,166	1,520
Others	7,708	7,538
GRAND TOTAL	31,129	30,065

Lac has made significant contributions to the development of art and industry.

Shellac is consumed chiefly by five industries.

The gramophone industry consumes about 11 to 13 thousand tons.

The varnishes and paint industry absorbs something like 4 to 6 thousand tons.

The total demand from the electrical industry is estimated at 3,000 tons as against 6,000 tons in pre-war years.

Nearly 3,000 tons are used in the hat industry as a stiffening material.

The manufacture of sealing wax requires about 1,500 tons.

The Indian Lac Association for Research was formed by traders in Calcutta in 1921 and the Government found the funds by levying a cess on all exports of lac other than refuse lac at as. 4 per maund and for refuse lac as. 2 per maund.

The Indian Lac Cess Committee was established under the Lac Cess Act of 1930 and the cess was raised to as. 7 and as. 5 respectively. With effect from April 1948 this cess was doubled.

The Government of Bihar appointed in January 1953 a Committee to report on the condition of the industry and to recommend remedial measures.

Some of the more important recommendations are given below:—

(1) The *fukka* in the trade should be replaced by a system of specific delivery contracts.

(2) Export of seedlac and shellac on consignment should be stopped, and floors and ceilings should be fixed for prices of seedlac and shellac. Export of sticklac should be banned.

(3) The total lac production in the country should be raised by approximately three lakh maunds a year during the next five years.

(4) The Indian Lac Cess Committee should be replaced by a Lac Board whose functions should correspond to those of the Tea Board.

In addition to effective propaganda abroad for increased consumption of shellac, steps should be taken to stimulate domestic consumption also.

NON-FERROUS INDUSTRY

ACCORDING to Dr. D. N. Wadia, formerly Mineral Adviser to the Government of India, mineral resources of India for aluminium, copper and antimony are sufficient to meet our present and future requirements. As regards lead, zinc and tin, our resources are not likely to be sufficient and imports will be required to meet the deficiency in these metals. And about the rest of the non-ferrous metals, our mineral resources are negligible. The position regarding these metals is briefly described below:

(a) **Aluminium Ores**—India is rich in deposits of high grade Bauxite which are estimated at 250 million tons. These are generally located in Jabalpur and Balaghat Districts of Madhya Pradesh, Belgaum, Kolhapur, Thana and Kalra Districts in Bombay; Ranchi Plateau in Bihar; and Shevaroy Hills in Salem, Madras.

(b) **Copper Ores**—Copper pyrites is the principal ore of copper. The deposits of copper pyrites in India are in Singbhum and Baragunda in Bihar; Khetri mines in Jalpur; Sikkim State, Mysore State and in the Salem District of Madras State. Although only the Singbhum deposits are worked at present, the copper belts of Sikkim and Khetri are very promising.

(c) **Lead Ores**—Lead ores are known to occur at a number of places in India. Special mention may be made, however, of lead deposits in Jalpur and in Zawar Mines in Udaipur, where lead is found in association with zinc; in Chhota Udaipur in Gujarat and in Hazaribagh in Bihar.

(d) **Antimony Ores**—Antimony ore deposits have been found at the Shigree Glacier in Lahaul, Kangra District, Punjab (India).

(e) **Zinc Ores**—At present zinc deposits are known to occur at only two places in India: Zawar mines in Udaipur and in the Riasin District in Kashmir State.

(f) **Tin Ores**—Several localities are known in India where tin stone (Cassiterite) has been found in small quantities. The most interesting of these areas is that in the Hazaribagh District of Bihar. None of these ores are said to be very promising.

PRODUCTION OF METAL

The only non-ferrous metal produced in India before the war was copper. The Indian Copper Corporation Ltd. started working the Singbhum copper deposits in Bihar in 1928-29.

The production of refined copper in tons is as follows: 1946—6,310; 1947—5,932; 1948—5,864; 1949—6,390; 1950—6,614; 1951—7,083; 1952—8,070.

There was practically no refining industry for the recovery of metal from scrap and most of the industrial non-ferrous scrap was exported to Japan and Germany.

As regards processing of semi-manufactures the only production was of brass sheets by the Indian Copper Corporation Ltd. averaging about 8,000 tons per annum, and electric copper wires and insulated cables by the Indian Cable Co. Ltd. A more recent development is the manufacture of brass and copper pipes and tubes. Their annual capacity is 300 tons but the actual production has never exceeded 11 tons and 60 tons respectively.

For antimony a smelter was set up during the war at Bombay by the Star Metal Refinery with a capacity of 300 tons per annum. This capacity has now been increased to 700 tons, per annum. The ore brought from Chitral State (Pakistan) was used for smelting antimony and the plant had reached full production in 1946-47. After the partition of the sub-continent, the ore supplies from Chitral were cut off and as a result the production suffered. The production from 1949 to 1952 was 100 tons in 1949, 375 tons in 1950, 527 tons in 1951, and 181 in 1952.

There is a new Lead Smelter at Katrasgarh in Bihar with a capacity of 7,000 tons per annum. The production of lead in 1949 and 1950 was, however, only about 600 tons a year due to the difficulties of transporting ore from the Jawar

mines in Udaipur to the Smelter. The company has now set up an ore dressing plant at the mines which will reduce the weight of the ore to be transported. The capacity of this plant is reported to be 9,000 to 10,000 tons of lead concentrates of 60 to 65 per cent. lead and 7,000 to 8,000 tons of zinc concentrates averaging 55 per cent. zinc. The production in tons is as follows: 1948—625; 1949—594; 1950—627; 1951—859; 1952—1,131.

No progress has been made in the production of zinc in India. Although the Jawar mines were originally prospected by the Geological Survey of India for zinc and although the ore in the Jawar mines contains about 18 per cent. lead and 9 per cent. zinc, there is no immediate proposal for producing zinc. The present plans are only to produce from the zinc-bearing ores lithopone and zinc oxide which are required for the paint industry.

SEMI-MANUFACTURES

The greatest progress in the non-ferrous industry made since 1939 is in regard to the semi-manufactures. Several brass and copper rolling plants were started for rolling brass and copper sheets mainly in Bombay. The combined capacity of these new plants is about 20,000 tons per annum.

Some lead sheets are also manufactured in the Calcutta area, but at present they are rolled in 3 ft. width, while the chemical industries require lead sheets of 7 to 9 ft. width. Aluminium and lead foils for tea-chests are also manufactured in the Calcutta area and the present capacity is estimated to be sufficient to meet India's requirements.

Several rolling plants for rods and bars of brass, copper, etc. were started during the war; afterwards an Extrusion Press was set up in Calcutta by National Tubes and Pipes Ltd. Arsenical copper rods which are required for railway locomotives as boiler stays were manufactured in Jalpur by the Jalpur Metal Industries Ltd. during the war and all the requirements of railways can be met by indigenous production. The present capacity for rods and tubes of brass and copper may be estimated at about 10,000 tons, which is enough to meet the present requirements of the country. The manufacture of lead pipes was started during the war at Konnanagar.

A new plant for lead pipes was also set up in Bombay during 1949. The present production is about 330 tons per annum, but this could be increased to 1,000 tons, if required.

A plant for the manufacture of electrical wires and cables was set up near Calcutta during the war by the National Insulated Cable Co. The total production of electrical bare copper wire and cables of this company and the Indian Cable Co. is estimated to be about 10,000 tons per annum.

Two plants one in Bombay and the other in Calcutta for the manufacture of enamelled copper wire required for making electric motors and fans have a total capacity of 2,000 lbs. per day.

A number of concerns have been started for manufacturing different kinds of non-ferrous alloys. The refining and reconditioning of railways scrap and other industrial non-ferrous

scrap is now done in this country, which was formerly largely exported. The total present alloying capacity in the country may be estimated at about 20,000 to 25,000 tons per annum.

A plant for the recovery of silver from old coins has been taken up for implementation at the Alipore Mint. This plant will also be able to recover about 3,600 tons of electrolytic copper from copper scrap.

A scheme for erecting a ferro-manganese plant with an annual capacity of 10,000 tons, has been approved. This plant is proposed to be installed at the Hirakud Dam site in collaboration with an Italian firm.

In most cases there is a protective duty of 30 per cent. In the case of zinc and lead sheets the protective duty is fixed at 20 per cent. and of arsenical copper rods, brass rods and brass wires, a protective duty of 35 per cent. The import duty on machinery is 5 per cent. which is applicable to all industries.

ALUMINIUM

Aluminium is the only non-ferrous metal which India can produce in large quantities because of extensive deposits of bauxite and adequate supplies of bulk power. There are two units. The Indian Aluminium Co. working in collaboration with the Canadian Aluminium Co. has put up an alumina plant at Murl in Bihar. The alumina produced is converted into pig aluminium at Alwaye and rolled into sheets and finished goods at Calcutta. The Aluminium Corporation has an integrated plant near Asansol.

The two plants have a total capacity of 4,000 tons of aluminium ingot per annum. Their rolling mills have a combined capacity of 3,500 tons. The capacity of the alumina plants is 14,000 to 15,000 tons and the capital invested in the industry is about Rs. 350 lakhs.

The production of aluminium in tons since 1948 is as follows: 1948—3,369; 1949—3,489; 1950—3,596; 1951—3,848; 1952—3,435.

Except bauxite and coal, most of the other raw materials are available only partly or not at all from indigenous sources. Caustic soda and soda are not produced in enough quantities, cryolite, aluminium fluoride, carbon blocks and filter cloth have to be imported, and the possibilities of producing greenland in this country are yet to be investigated.

The demand for aluminium has been estimated at between 15,000 tons and 20,000 tons. The handicaps of the industry are the small capacity of the units, the inherent refractory nature of Indian bauxite which costs more to mine, and expensive raw materials such as petroleum coke.

The Indian Aluminium Co. envisages the expansion of the smelter at Alwaye to 5,000 tons and to raise the rolling capacity of its mills at Belur to 6,000 tons per annum. The Aluminium Corporation has a scheme to step up its production of aluminium ingots to 2,000 tons per annum and the sheet rolling capacity from 500 tons to 3,000 tons. These plans of both the units are expected to be completed by the end of 1953.

For the planned period, the installed capacity is expected to be stepped up from 4,000 tons in 1950-51 to 20,000 tons by 1955-56 and production from 3,677 tons to 12,000 tons. The industry is protected by a protective duty of 30 per cent.

IMPORTS OF NON-FERROUS METALS

	1950-51	1951-52	1952-53
Aluminium (Cwts.)	193,600	185,623	120,777
" unwrought (Cwts.)	57,033	50,161	23,731
Brass, Bronze etc. (Cwt.)	289,881	38,127	31,882
Copper (Cwts.)	748,268	107,146	412,213
" unwrought (Cwts.)	596,016	81,591	389,843
" old for re-manufacture (Cwts.) ..	125,040	13,040	3,494
Ferro Alloys (Tons)	2,406	2,588	1,293
German Silver (Cwts.)	19,130	5,818	9,406
Lead (Cwts.)	313,738	154,194	67,003
Tin	86,195	73,037	40,572
Zinc	695,856	363,716	408,712

OPIMUM INDUSTRY

IN addition to being a narcotic, opium is the base of many medicinal drugs. Because of its devastating effect as a dope, the Central and State Governments have adopted various measures to put an end to the evil and a very small fraction of the population is now left still making habitual use of the drug. With a view to restricting its manufacture only for medicinal and scientific purposes, the Government has taken in hand improved methods of poppy cultivation, restricted the cultivation of poppy through licenses, and confined production to its factories at Ghazipur and Neemuch. Only a small percentage of opium is sold to the State Governments after processing and the balance is exported for medicinal and scientific purposes.

Poppy cultivation is confined to the States of Uttar Pradesh, Madhya Bharat, Rajasthan and Himachal Pradesh and a negligible quantity is grown in Bilaspur. The entire crop has to be sold to the Central Government at a fixed price. The opium poppy grown in India is of three varieties—Banaras in U.P., Malwa in Madhya Bharat and Rajasthan, and Himalayan in Himachal Pradesh. Cultivation starts in November and the crop is harvested in April or May. Preparation of the land for the reception of the seed is a prolonged process, the field being given 20 to 25 ploughings. Opium is derived as a juice called latex. After collection it is dried by the farmer before being delivered to the Government.

The area under poppy cultivation, which used to be 780,000 acres in 1905-06, is now barely 70,000 acres. The production fluctuates according to the overseas demand and its trend in recent years is given below :—

Year	Area (acres)	Production (Maunds)	Exports (Tons)
1948-49 ..	69,425	9,515	35
1949-50 ..	51,480	5,535	172
1950-51 ..	60,725	13,700	348
1951-52 ..	56,190	9,045	167

At a conference of the State Governments in 1949 it was decided to reduce the supplies to States at a progressive rate of ten per cent every year so that these supplies will cease completely

by 1959. The trend of domestic consumption of excise opium is given below :—

Year	Consumption in Maunds
1948-49.. ..	3,895
1949-50.. ..	2,925
1950-51.. ..	3,170
1951-52.. ..	3,700
1952-53.. ..	3,135

In 1946 the Central Government erected a huge alkaloid plant at the Ghazipur factory for manufacturing medicinal preparations and India claims today the distinction of producing alkaloid products including thebaine, papaverine and cotarnine. During the past five years, sales of alkaloids in the country have gone up from 515 lb. in 1947-48 to 1,430 lb. in 1950-51 and then declined to 1,198 lb. in 1951-52, while exports, which were insignificant in 1947-48 and only 374 lb. in 1950-51, shot up to 1,479 lb. in 1951-52.

INTERNATIONAL CONTROL

International efforts to control opium date back to the beginning of the present century, and the League of Nations and the United Nations Organisation have, during the last three decades, been endeavouring to confine its use

solely to medicinal and scientific purposes. An International Opium Commission met in Shanghai in 1909 at the initiative of President Theodore Roosevelt as a result of which the first Opium Convention was drawn up at the Hague in 1912. Several treaties on narcotics have been signed since then but all efforts at limiting production of opium have met with limited success.

The Geneva Convention of 1925 provides for measures to regulate international trade in opium and other dangerous drugs. In 1950 the United Nations proposed a draft plan for creating an international opium monopoly, but due to lack of agreement the proposal fell through. The latest International Protocol signed at New York on June 23, 1953 aims at limiting production and control of the international and wholesale trade in opium and incorporates many of the salient features of the comprehensive Indian system of control.

Until the establishment of the plant for the manufacture of alkaloids, opium as a source of revenue lost its importance because of the deliberate policy of the Government to curtail opium consumption and exports. Between 1941-42 and 1946-47 the net receipts fluctuated between a surplus of Rs. 48 lakhs and a deficit of Rs. 52 lakhs. Since then the trends have been more helpful for the Central budget. Details for recent years are given below :—

(In lakhs of rupees)

	1950-51	1951-52	1952-53 Revised	1953-54 Budget
REVENUE :				
Sale of opium to State Governments				
Sale of medical opium			62.00	62.00
Sale of alkaloids			1.40	1.50
			6.80	6.70
SALE ABROAD		268.48		
Sale of raw opium			120.00	125.00
Sale of alkaloids			4.00	4.00
Sale of miscellaneous			1.00	1.00
Total		268.48	195.20	200.20
Refunds		0.06	0.20	0.20
Net Revenue		268.42	195.00	200.00
EXPENDITURE		Not Available	177.38	203.47

The decrease in revenue is due to slender sales of raw opium to foreign countries. The expenditure budget provides for a higher anticipated yield of opium, purchase of stores and

machinery for Ghazipur Opium Factory and enhancement of wages as a result of the recommendations of the Fair Wages Committee.

PAPER INDUSTRY

THE bulk of the production comprises the more common types of paper, especially printing and writing paper. The manufacture of superior varieties is also undertaken but on a restricted scale.

There is no mill manufacturing newsprint at present.

The following table gives the trend of production :—

(in 000 tons)						
Year	Installed Capacity	Total Production	Printing & Writing	Wrapping	Special Varieties	Board
1947	105	93	53	17	5	18
1948	105	98	50	17	13	17
1949	110	103	59	13	11	19
1950	114	109	70	15	5	19
1951	137	131	78	24	3	26
1952	147	138	91	22	2.8	22

There are 20 factories engaged in the manufacture of straw and other boards with an annual rated capacity of about 54,500 tons, and an actual production of 25,400 tons in 1951-52.

The block capital of the paper and paper-board industry in 1950-51 was Rs. 21.8 crores. There were 37 factories and the industry found employment for about 22,000 workers.

The State-wise distribution of the paper and paper-board industry in February 1951 is given below :—

State.	No. of units.	Annual rated capacity (tons).
West Bengal	4	58,500
Bihar	1	11,000
Orissa	1	31,500
Uttar Pradesh	2	6,400
Punjab and PEPSU	1	8,500
Bombay	3	5,100
Madras	2	2,600
Hyderabad	1	5,000
Mysore	1	4,000
Travancore-Cochin	1	4,000
	17	136,600

There has been a steady fall in the imports of paper and pasteboard from 113,000 tons in 1949-50 to 90,400 tons in 1951-52. The figure for 1952-53 was 106,459 tons. Exports have not been appreciable in the past. In 1951-52 they were 3,251 tons, and in 1952-53, 1,702 tons.

Sabal grass and bamboo are the chief raw materials which are available locally. The use of imported woodpulp has been gradually discouraged and hardly 10 per cent of the raw

material is imported. Of late, however, the industry has been placing a greater reliance on rags, hemp, hemp ropes and wastepaper. One important mill is exclusively dependent on waste paper and rags.

For many years the paper pulp section of the Forest Research Institute at Dehra Dun has been carrying out experimental work in connection with the development of new fibres for paper-making.

Recent enquiries show that the Kashmir and Tehri-Garhwal can supply fir and spruce in quantities sufficient for the establishment of newsprint mills in Kashmir and U.P. The two species of wood are well known raw material for the production of mechanical pulp for use in newsprint manufacture and the suitability of both the species from the two States has recently been tested at the Forest Research Institute, Dehra Dun.

DEVELOPMENT PROGRAMME

The main problem of the industry is the shortage of raw materials accentuated by the partition of the country as the factories in

West Bengal were deprived of their supplies of bamboo previously obtained from East Bengal.

The immediate programme of development visualises the expansion of the rated capacity to 211,000 tons of paper and paper-board and 30,000 tons of newsprint by 1955-56 at a capital cost of Rs. 8 crores. The actual production is, however, expected to be 200,000 tons of paper and paper-board and 27,000 tons of newsprint by 1955-56.

The production of straw-boards is expected to go up to 52,000 tons since the expansion plans of Straw Products, Ltd., Bhopal, would raise the rated capacity by 4,000 tons to 58,500 tons. In addition, about 25,000 tons of paper-boards would be available for consumption making a total of about 77,000 tons by 1955-56 as against an anticipated demand of about 95,000 tons.

According to the Planning Commission, the production of 200,000 tons of paper and paper-boards by 1955-56 should be adequate and further development, if any, should be in the direction of enabling some of the existing un-economic units to attain the minimum economic size of 8,000 tons of paper per annum. The likely gap of 17,400 tons between output and estimated consumption of straw-board and other fibre boards can be met if some of the sugar factories release bagasse by using wood or coal as fuel. The use of *semal* wood a basic raw material for the match industry for paper manufacture should be banned and measures concentrated on the plantation of bamboo and *sabal* grass.

The newsprint plant of the NEPA Mills in Madhya Pradesh was expected to go into production in 1953 and to meet domestic needs to the extent of 27,000 tons from 1954 onwards.

The Five-Year Plan for the industry is summarised in the following table :—

	1950-51			1955-56		
	No. of units.	Annual rated capacity (000 tons)	Actual output (000 tons)	No. of units.	Annual rated capacity (000 tons)	Actual output (000 tons)
Paper and paper-board	17	136.6	114	19	211	200
Newsprint .. ..	..	..	..	1	30	27
Strawboard and other fibre boards	18	48.5	22	20	58.5	52.6

PLASTICS INDUSTRY

THE plastics industry in India was largely developed during the Second World War and is primarily concerned with turning out finished product from imported raw material. At present there are about 100 major factories and several small ones operating on a cottage industry basis. The capital investment is placed around Rs. seven crores and the industry provides employment for about 12,000.

At the beginning of 1950, the more important factories possessed 182 injection moulding machines with a capacity of 403 oz. and 154 compression moulding presses with a capacity of 7,074 tons. Early in 1953 the respective capacity figures were 550 oz. and 10,200 tons. The size of the equipment of smaller units is placed at a third of these figures. Besides there are 41 extruders with size varying from 1 inch to 4½ inches.

The processes used by the industry are: (1) Compression moulding, (2) Injection moulding, (3) Extrusion, (4) Fabrication, and (5) Coating of fabrics by plastics. Articles manufactured cover an extensive field ranging from electrical accessories and insulated electric cables to spectacle frames, artificial leather and waterproof cloth. The West Bengal Government has plans to set up a factory for manufacturing plastic teeth. Metal using of plastics has been successfully undertaken by a few firms. The trend of production of compression and injection moulded goods since 1948 is given below:—

Year	Production (million gross)
1948	0.37
1949	1.02
1950	2.29
1951	1.48
1952	1.54

Of the articles produced in 1952, electrical accessories constituted about 24,500 gross and other industrial articles 198,000 gross. Nearly 30 per cent, of utility goods comprised combs, while bottle caps made up 90 per cent of industrial goods. Production of mechanised toys was an important achievement of the year. The details regarding the more important lines of production are furnished below:—

Tooth Brushes: 12 factories, 24 million annual capacity. Output 4.3 million brushes in 1951 and 2.8 million (estimated) in 1952.

Spectacle Frames: 9 factories, 1.4 million annual capacity. Production 0.35 million in 1950, 0.51 million in 1951 and 0.64 million in 1952.

Fountain Pens: Six major firms. Production—3 million in 1949, 3.23 million in 1950, 4 million in 1951 and 3.8 million in 1952.

Buttons: Production in 1952 about 857,000 gross.

Insulated Cables, Wires and Flexible: Started in 1950. Annual capacity 8.6 million yards. Production—2.814 million yards in 1950, 3.475 million yards in 1951 and about 4 million yards in 1952.

Leather Cloth: Capacity 5.28 million yards. Production in million yards—0.204 in 1948, 0.76 in 1949, 0.93 in 1950, 2.04 in 1951 and 0.95 in 1952.

Phenolic Resin Laminates: First plant in 1952. Production 40 tons in 1952.

RAW MATERIALS

The consuming capacity of the industry in respect of raw materials is about 3,000 tons of Thermosetting moulding powders and about 8,000 tons of Thermoplastic moulding powders. Most of the raw materials are imported. Imports of raw materials were stepped up from Rs. 20.58 lakhs in 1948-49 to Rs. 256 lakhs in 1951-52 composed of Rs. 158 lakhs of synthetic resin and moulding powder and Rs. 98 lakhs worth of semi-fabricated plastic raw materials. Phenol formaldehyde moulding powder, phenol and formaldehyde and alkyl resin are, however, manufactured in the country out of imported basic materials.

The consumption of plastic goods in India has increased five-fold since 1938 and practically the whole of it is met from indigenous production. The country is now an exporter of plastic goods at an average monthly value of Rs. one lakh. Imported moulds are expensive and a central tool room for the design and production of moulds is contemplated. The present demand for P.V.C. sheets (without textile base) is estimated at 400 tons. There is, therefore, a big scope for its manufacture. Polythene film and dentures also have a big potential market. The application of cellulose plastics, nitrate and acetate is the basis for industries such as acetate rayon and photographic film. The demand for phenolic resin used by the surface coating industry is about 500 tons a year. In view of the possibility of urea becoming available in the country, the manufacture of urea plastics has a great scope. Since benzene and ethylene, the basic materials for polystyrene, are indigenous, this branch of manufacture can be profitably explored. Industrial nitrocellulose is produced in an ordnance factory. This can form the basis for producing sheets, rods and tubes required by the spectacle frame and fountain pen industries. Lack of technical personnel is the industry's main handicap. The U.N.T.A.A. has, therefore, lent the services of a plastics moulding expert to India. Steps are being taken by the Indian Standards Institution to formulate suitable standards for the P.F. moulding powder.

PROTECTION

The Tariff Commission recommended in 1950 that protection should be extended to the industry till March 1953. The period was further extended to December 1953 to enable the Tariff Commission to review the position.

The Commission's main recommendations were the following:—

(1) In the absence of a fully-developed chemical industry supplying the basic raw materials for the moulding powder section of the industry and in order to reduce the cost of production of moulding powder, the manufacturers of such powder should be allowed a refund of the whole of the duties payable on the principal raw materials used in the manufacture of powder. This should be available to those who produce at least 200 tons of phenol-formaldehyde moulding powder per annum.

(2) The existing revenue duty of 30 per cent *ad valorem* on moulding powder should be converted into an equivalent protective duty which should be kept in force till March 31, 1953.

(3) Imports of phenol-formaldehyde moulding powder should be permitted only to the extent of the gap between the domestic demand and production.

(4) In view of the need to expand the domestic market for plastic goods, assistance to the industry should be given in other ways than by an increase in the import duty.

(5) The section of the industry manufacturing plastic goods such as soap-boxes and spectacle frames should be helped by granting a reduction in import duty on such raw materials as are not manufactured in the country from 30 per cent to 20 per cent, both *ad valorem*. The rate of duty on raw celluloid should also be 20 per cent *ad valorem*.

(6) In respect of electrical accessories, the existing revenue duty should be converted into a protective duty to remain in force till March 31, 1953 and the present preferential rate of 24 per cent on imports from the United Kingdom should be raised to 30 per cent and the standard rate adjusted in accordance with the terms of the Indo-British Trade Agreement.

(7) In regard to spectacle frames, the existing revenue duty of 20 per cent should continue.

(8) Early steps should be taken to set up a central moulding powder factory in order to co-ordinate the production of the existing units and others to be established and to ensure economical production.

(9) In view of the necessity for standardisation of plastic-ware and rationalisation of its production, the scheme for having a central mould-making shop should receive early and favourable consideration of Government.

(10) Indian manufacturers of plastics should keep abreast of technical developments in other countries.

(11) Early steps should be taken by the industry for the formulation of proper standards for moulding powder and finished articles.

(12) The existing revenue duty of 30 per cent *ad valorem* on phenol-formaldehyde moulding powder should be converted into a protective duty.

(13) The duties of 25 per cent standard, on phenol and of 30 per cent standard and 26 per cent preferential, both on formaldehyde and hexamine, these three being the principal raw materials used in the manufacture of phenol-formaldehyde powder, should be refunded on import to the manufacturers of moulding powder, who have a minimum annual production of 200 tons.

The Government of India issued orders on January 7, 1950 on the Board's recommendations. In regard to the main recommendation of the Board suggesting a reduction in the import duties on raw materials used by the industry in producing plastic goods like soap boxes, Government came to the conclusion that "the requirements of the case would be adequately met by a reduction of duty from 30 per cent *ad valorem* to 20 per cent *ad valorem* in respect of only cellulose nitrate (sheets, rods and tubes), rennet casein and polyvinyl chloride resin". This meant that raw materials like urea-formaldehyde moulding powder, polystyrene, cellulose acetate, cellulose and butyrate, would continue to be subjected to 30 per cent duties.

RAYON INDUSTRY

WORLD'S first rayon factory capable of producing about a hundred pounds of rayon a day was erected in France in the year 1884. Today the world production of rayon, inclusive of staple fibre, has risen to the staggering amount of over 3,000 million pounds.

It is estimated that in 1951 there were 25,980 mill looms in 476 mills, and 181,278 handlooms engaged in the manufacture of art silk fabrics in India, and the industry's needs of filament yarn, which till recently had to be imported entirely, were placed at 70 million lbs.

The rayon industry is a post-war industry. There are at present two plants in operation,

viz., Travancore Rayons Ltd., Perambavoor, and the National Rayon Corporation Ltd., Kalyan, Bombay, with an annual production capacity of 4 million lbs. and 5.6 million lbs. respectively of filament yarn.

The former came into production in July 1950 and the latter in February 1951. Both the factories have adopted the viscose process.

Sirsilik Ltd. has under construction a factory at Sirpur in Hyderabad State. It was expected to be ready in the latter half of 1953 and will have a daily production capacity of 5 tons based on the cellulose acetate process.

A fourth factory has been planned for producing 15 tons of viscose staple fibre daily at Nagda in Madhya Bharat by the Gwallor Rayon Silk Manufacturing (Weaving) Co., Ltd.

The units operating the viscose process produce also carbon disulphide and sulphuric acid in the factory with the exception of Travancore Rayons Ltd. which purchase them from FACT Ltd. Sirsilik Ltd. has facilities for producing acetic acid, acetic anhydride and acetone to meet its needs.

The annual rated capacity of the rayon industry based on a continuous operation for 360 working days is given below :—

	Filament yarn (m. lbs.)	Staple fibre (bales)	Art Silk cloth (m. yards)
1. Travancore Rayons, Alwayo	4.0	..	..
2. National Rayon, Bombay	5.6	..	..
3. Sirsilik Ltd., Hyderabad	4.0	..	18.0
4. Gwallor Rayon, Nagda .. .. .	..	28.000	..

The actual production in million lbs. of the two factories in operation was as follows :— 1950—0.27; 1951—4.5; 1952 (Jan.-June)—3.2.

The capital employed in the two firms already in production in March 1951 was Rs. 7.1 crores while the labour employed was 1,400.

IMPORTS AND EXPORTS

Imports consist of staple fibre, rayon yarn, yarn of rayon staple fibre and rayon piece-goods and were as follows :—

(Quantity in million lbs. and value in lakhs of Rupees)

Year	Yarn		Piece-goods		Staple fibre (cut fibre and waste)		Staple fibre yarn		Total including other goods mixed
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Value
		Rs.		Rs.		Rs.		Rs.	Rs.
1948-49	39.9	12.83	4.0	103.6	0.05	0.66	0.75	20.0	1412.6
1949-50	36.0	10.46	14.3	311.8	0.45	6.5	2.76	77.6	1548.9
1950-51	35.3	14.71	1.8	41.7	12.6	189.9	1.25	30.9	1739.4
1951-52	36.5	17.29	3.0	82.4	36.5	1010.1	3.73	117.0	2953.8

Exports of artificial silk piece-goods are mainly for Pakistan, Ceylon and Anglo-Egyptian Sudan. The sea-borne exports are detailed below :—

	M. yards	Rs. in lakhs
1948-49	24.50	519.1
1949-50	12.28	148.7
1950-51	6.99	95.8
1951-52	8.41	117.0

The report of the Indian Tariff Board on the continuance of protection to the artificial silk and cotton and artificial mixed fabrics industry in 1951 placed the productive capacity of the weaving industry at 350 million yards per annum and computed the need for art silk yarn at 70 to 75 million lbs. With the completion of the plant belonging to Sirsilik Ltd., the weaving capacity would be further raised by 15 million yards.

The domestic consumption of artificial silk goods has, however, remained practically unchanged over a period at 210 million yards; but there has been an increase in the imports of filament yarn at the expense of finished goods.

FIVE-YEAR PLAN

The National Rayon Corporation contemplates expansion of its plant so as to increase its capacity to 7 million lbs. per annum by the end of 1953 and to 14 million lbs. by 1955-56, involving a capital investment of Rs. 50 lakhs and Rs. 500 lakhs respectively. Consequently, the rated capacity of the rayon filament industry would be stepped up to 22 million lbs. by 1955-56 out of which 4 million lbs. would be consumed by the Sirsilik Ltd. in weaving rayon fabric so that 18 million lbs. would be available for the rayon fabric industry. In addition, rayon staple equivalent to 11.2 million lbs. would be available

from within the country. The total additional capital expenditure for achieving these developments has been estimated at Rs. 10½ crores.

The soft timber resources from the Himalayan region can be utilised for producing 100 tons of pulp per day in order to reduce the dependence on imported rayon-grade pulp by 11,500 tons a year. The capital needs are placed at Rs. 6 crores and the project might be taken up in the second part of the Five-Year Plan. The Commission has also recommended the establishment of a few plants for producing at least five million lbs. of cotton linters preferably in Madras, Hyderabad and Madhya Pradesh. For this purpose, a capital of Rs. 60 lakhs would be needed. In view of the fact that the existing capacity of the rayon weaving industry is enough to meet the domestic needs and export orders, expansion in this direction is considered unnecessary.

RUBBER INDUSTRY

INDIA produces about 18,000 tons of raw rubber constituting a little over one per cent of the world output. Of an area of about 170,000 acres under rubber cultivation, nearly 75 per cent is located in the State of Travancore-Cochin. Other rubber growing areas are the districts of Malabar, Coimbatore, Salem, Nilgiris, Madura and South Canara in the Madras State and Coorg. Cultivation on a small scale exists in Mysore and Assam.

There are about 250 estates owning over 100 acres each and comprising an area of nearly 103,000 acres. Small holdings below 100 acres in size number about 14,000 with a total

area of 67,000 acres. The following are the details:—

Year	Production (Tons)	Tapable Acreage	Average yield per acre in Lbs.
1948	15,422	118,811	291
1949	15,587	123,791	282
1950	15,599	137,888	253
1951	17,148	148,739	258
1952	19,803	170,000	N.A.

The year 1952-53 was notable for a slump in the world rubber trade with London price falling by more than half. In this country, the price of indigenous raw rubber was revised in October 1952 on the recommendation of the Tariff Commission from Rs. 122-8-0 to Rs. 138 for grade I

rubber per 100 lbs. with suitable differentials for other grades. But the increase in production followed by a fall in consumption resulted in the accumulation of stocks.

Compared to 17,148 tons of raw rubber produced in 1951, production went up to 19,863 tons in 1952 whereas consumption fell from 22,427 tons to 21,061 tons. On the other hand, the industry had on hand 5,800 tons from the 1951 stock. The Government, therefore, removed in December 1952 the control over the movement of raw rubber imposed in 1950.

RUBBER GOODS

During the past three years, the manufacturing side of the industry has made a considerable progress with the result that the output of indigenous raw rubber can be readily absorbed.

The progress of the manufacturing industry is given below:—

Product	1950	1951	1952
Footwear (Lakh pairs)	165·6	230·4	228·0
Toys, Balloons etc. (Lakh Doz)	105·6	110·4	138·0
Tyres (thousand):			
Automobile (No.)	638·4	870·4	721·2
Cycle (No.)	3,325·2	3,942·8	4,189·2
Cab (ft.) .. . . .	..	373·2	385·2
Tubes:			
Automobile (000)	698·4	820·8	661·2
Cycle (000)	4,207·2	4,897·2	4,166·4
Hoses:			
Radiator (000)	206·4	220·8	154·8
Vacuum Brake (000)	333·6	472·8	444·0
Other Types (000 ft.)	2,820·0	3,474·0	3,555·6
Fan Belt	961·2	748·8	1,216·8
Ebonite .. . . .	..	199·6	126·0
Waterproof (000 yds.) .. . . .	..	1,576·8	1,294·8
Latex foam sponge (000 lbs) .. . . .	..	471·6	639·6

SERICULTURE

SERICULTURE is carried on mainly as subsidiary to Agriculture. The country's total production is placed at about 30 lakh lbs. The total area under mulberry is about 80,000 acres at present. Mulberry is cultivated both as rain-fed and irrigated crop. The yield of leaf per acre per year from rain-fed garden is about 4,000 lbs. Average yield from tank irrigated gardens per acre per year is about 8,000 lbs. whereas in the case of deep well irrigated gardens it is 10,000 lbs.

The total production of cocoons per year is about 240 lakh lbs. and the raw silk produced may be put at 15 lakh lbs. Based on the area under mulberry, the total requirement of disease-free layings is estimated to be about 600 lakhs of layings per annum.

The main producing areas are Mysore and Madras, whose production is placed at 15 lakh lbs. and 8 lakh pounds respectively.

In Mysore there are about 51,000 rearing families, who practise sericulture as a subsidiary industry.

After the Government Organisation was set up the Central Farm at Channarayana began to produce small quantities of disease-free layings on 'Pasteur System' and to educate ryots to use the same. To supplement the work of the grainages which produce only disease-free seed by a controlled campaign of seed cocoon production, there are now 4,000 selected seed cocoon rearsers to produce Mysore seed cocoons, capable of producing about 4,000 lakhs of seed cocoons, i.e., the entire requirements of the industry for seed cocoons in Mysore and Madras. About 96 per cent of the cocoons produced in the State are used for reeling and only 4 per cent for seed purposes.

Sericultural education in Mysore is given in a practical manner in the Government Silk Farms, such as Channarayana, Mysore, Kolar, Mugur and Siddaghatta.

The total area under mulberry in Madras State is about 22,000 acres. In black cotton soils, the annual yield of mulberry leaf is about 4,000 lbs. per acre and in red loam or sandy soils, the yield is about 3,500 lbs. Under the present organisation and with the existing acreage under mulberry cultivation, the productive capacity of reeling cocoons and silk will be 45 lakh lbs. of cocoons and about 3 lakh lbs. of raw silk of both filature and charka grades. In the Kollegal area the raw material is worked by handlooms.

The sericultural industry was started in Uttar Pradesh in September 1948. The silkworm races reared are univoltine and multivoltine, Bengal, Mysore and Kashmir races of mulberry and Eri silkworms. About two dozen families have taken it up. The industry is practised as subsidiary to agriculture. The estimated annual production of Eri is 3 mds. dry weight and that of mulberry 2 mds. 2 ams. dry weight. As the industry has recently been started the department of industries provides rearsers with rearing appliances on a returnable basis. The cocoons are purchased by the Government farm till they instal their own reeling equipment.

In Bombay roughly 700 acres are under silkworm food. The estimated annual production of cocoons is around 30,000. The estimated annual production of raw silk is around 1,500 lbs. There are 11,339 looms in weaving pure silk goods only, and 25,498 looms for mixed goods.

There is one Government silk farm in Belgaum District in addition to five Government model silk farms in Belgaum and Dharwar districts.

Bengal's silk industry is said to have been carried on from time immemorial. The production of raw silk is about 4 lakh lbs. The area under mulberry is 18,000 acres. The estimated actual annual production of cocoons and raw silk are: cocoons (6,785,543 lbs.) and raw silk (407,644 lbs.).

About 1,500 persons spread over in about 435 villages conduct rearing and reeling operations in the Punjab. The silk industry in the Punjab has come to be considered as one of the best subsidiary industries. It gives a part time occupation to about 95 per cent of rearsers. The remaining 5 per cent take up reeling on commercial lines. There are about 75,000 mulberry trees available in the Punjab for the purpose of silkworm rearing. Apart from this, the Department maintains its own mulberry farms and nurseries and the total area of land under these plantations at present is about 75 acres.

The estimated total annual production of cocoons and raw silk is 650 mds. and 130 mds. respectively.

BIHAR AND KASHMIR

In Bihar about 50,000 people are engaged in tassar silkworm rearing, about 200 people in rearing mulberry silkworm and about 2,000 people in rearing Eri silk worm. The estimated total annual production is nearly 50,000 Kahan of tassar cocoon, one lakh lbs. of raw reeled tassar and 60,000 lbs. of tassar waste per annum. Forty-five thousand lbs. of cocoon mulberry and 3,000 lbs. of raw charka reeled silk are produced. Besides 60,000 lbs. of pierced cocoon and 21,000 lbs. of handspun Eri yarn, are produced all over the State.

Bihar has got a very old silk weaving industry and Bhagalpur is the centre of silk weaving. There are about 10,000 handloom weavers engaged in weaving silk goods. About 20 per cent of the local silk and the rest foreign silk are used by the weavers.

The total annual production of reeled silk and waste silk in Madhya Pradesh is estimated to be 160,000 lbs. and 150,000 lbs. respectively. There are about 1,500 handlooms, weaving tassar and mixed fabrics.

Orissa accounts for an annual production of 300 mds. of tassar and 60 mds. of Eri cocoons.

In Himachal Pradesh sericulture is practised only in Mandi district.

The Government of Assam started the sericulture and weaving department in 1948-49 and

despite the prejudice against the rearing of mulberry silk worms, production has doubled in the past decade and now amounts to 22,000 lbs. The output of Eri and muga is estimated at 420,000 lbs. and 100,000 lbs. respectively.

Silkworm rearing is practised by the rearsers in Kashmir as an auxiliary occupation next to agriculture.

The industry depends only on full-grown mulberry trees. The annual production of cocoons and raw silk is estimated at: cocoons (32,000 mds.), superior silk (162,500 lbs.).

It may be added here that the silk industry in Kashmir is being run on Government monopoly basis. There are about 350 local factories with about 4,000 handlooms.

TARIFF COMMISSION

Early in 1952 the Tariff Commission submitted its report on the Sericulture Industry to the Government of India. The following were the more important recommendations of the Tariff Board:—

(i) An *ad valorem* duty of 30 per cent and a specific duty of Rs. 3-14-0 per lb. should be levied on raw silk, tariff item 46; (ii) The existing duty of 30 per cent *ad valorem* on silk waste and noils, tariff item 46(1), should be continued; (iii) The same rate of duty should be levied on silk yarn including thrown silk warps but excluding sewing thread, tariff item 47 (a), as on raw silk, namely, 30 per cent *ad valorem* plus a specific duty of Rs. 3-14-0 per lb.; (iv) An *ad valorem* duty of 30 per cent and a specific duty of Rs. 5 per lb. should be levied on yarn spun from silk waste, excluding sewing thread, tariff item 47 (b); (v) The existing duty of 30 per cent *ad valorem* should be continued on yarn spun from noils, excluding sewing thread, tariff item 47 (c); (vi) The existing duty of 30 per cent *ad valorem* should be continued on silk sewing thread, tariff item 47 (1); (vii) An *ad valorem* duty of 35 per cent should be levied on pongee, tariff item 48 (a); (viii) An *ad valorem* duty of 40 per cent should be levied on fuzzi, bouseki and corded (excluding white cord), tariff item 48 (b); (ix) An *ad valorem* duty of 35 per cent, should be levied on other silk fabrics covered by tariff item 48 (c); (x) The industry should continue to be protected upto December 31, 1952 for the present; (xi) Imports of silkworm seeds should be allowed free of duty; (xii) The quantum of imports, if import prices fall, should be so adjusted as to meet the gap between estimated demand and domestic production; (xiii) While the Board's estimate of the fair selling price of raw silk should remain valid during the extended period of protection, the position regarding the c.i.f. prices of imported silk should be reviewed by the end of June, 1952.

The Government of India accepted recommendations No. (i) to (vi), (x), (xi) and (xiii). As regards the Board's recommendations No. (vii) to (ix), Government came to the decision that the existing duties should continue.

SHIPPING INDUSTRY

AFTER the end of the Second World War, the Planning Department of the Government of India appointed a Policy Committee on Shipping. It observed: "India possesses a distressingly small number of deep sea ships which at the outbreak of the war stood at no more than 30 with a total of less than 150,000 tons gross. The rectification of this state of affairs should be one of the immediate post-war objectives."

This was followed by the constitution of a Reconstruction Policy Sub-Committee, with Sir C. P. Ramaswami Aiyar as Chairman, in 1945. This Sub-Committee submitted its report in March 1947 which was approved by the Policy Committee. Its principal recommendations were:—

(1) India needs two million gross tons of shipping to carry more than 10 million tons of cargo and about three million passengers a year. The figure does not include country craft.

(2) Hundred per cent. of the purely coastal trade of India, 75 per cent. of India's trade with Burma and Ceylon and with geographically adjacent countries, 50 per cent. of India's distant trades and 30 per cent. of the trades formerly carried in Axis vessels in the Orient should be secured for Indian shipping in the next five to seven years.

(3) As the Indian shipping industry is still very young, emphasis should now be placed on how Indian companies can expand their fleets and the Indian Shipping Board should be empowered to control deferred rebates, rate-cutting and all other evils arising from monopolies.

The Government of India, by their Resolution dated July 12, 1947, fully endorsed the views of the Committee. They agreed that the definition of "Indian Shipping" should be shipping owned, controlled and managed by Indian nationals. They also laid down that the following conditions should qualify any shipping company for treatment as "Indian shipping companies":—

(a) The steamers of the companies should be registered at a port or ports in British India. (b) At least 75 per cent. of the shares and debentures of the companies should be held by Indians in their own rights. (c) All the directors should be Indian. (d) The managing agents, if any, should be Indian.

PRESENT POSITION

The subsequent developments may be summarised as follows:—

(1) Plans for setting up three corporations, each with an authorised capital of Rs. 10 crores were announced in November 1947. The first Government-sponsored shipping corporation (The Eastern Shipping Corporation) was registered on March 24, 1950.

(2) Indian shipping companies participated in overseas trade for the first time in 1948. Two of them are members of the India-U.K.-Continent Conference Lines and are entitled to operate 12 ships each. The position will be reviewed again at the end of 1954.

(3) The coastal trade of the country was reserved in 1950 for Indian vessels in response to a public demand which had been made for the past 35 years. With effect from January 1, 1951, a new Indian Coastal Conference, consisting primarily of Indian shipping companies commenced functioning and the two British shipping companies became associated members.

The more recent progress of Indian shipping is given in the following table:—

Year.	No. of companies.	No. of ships.	Tonnage (G.R.T.).
1939 ..	9	53	126,709
1940 ..	11	42	98,286
1947 ..	14	60	189,226
1948 ..	15	72	249,261
1949 ..	20	84	332,490
1950 ..	23	90	364,632
1951 ..	23	92	366,646
1952 ..	26	100	383,911
1953 ..	25	111	422,734
(Jan. 1)			

The Shipping Policy Committee fixed in 1947 a target of two million tons to be attained by 1954. Ten of the 25 companies own only one vessel each. Seven of them own a vessel each under 1,000 G.R.T., while three own a vessel each varying from 1,069 to 1,602 G.R.T. Four others own two vessels each under 2,000 tons. Thus 14 out of 25 companies own only 18 vessels with an aggregate tonnage of 12,953 G.R.T.

Eight ferry steamers with an aggregate G.R.T. of 5,284 are engaged in the carriage of passengers on the Konkan Coast and carry approximately a million and a half passengers per year.

Twenty-three steamers owned by 11 companies with an aggregate G.R.T. of 34,957 run between the Kandla and the Tuticorin Range. On an average they carry about six lakh tons of cargo every year on the West Coast of India.

Forty-four vessels of 206,005 G.R.T. owned by 10 shipping companies participate in the wider coastal trade of India.

Three companies owning 23 ships with an aggregate G.R.T. of 188,669 maintain their services in the overseas trades of the country.

Planning.—Taking into account the financial resources available, a programme of development is formulated which aims at raising the total gross registered tonnage to about 600,000 by the end of the period of the Plan. In order to assist the shipping companies in replacing obsolete tonnage operating on the coast, Government has provided funds for constructing ships at Vishakapatnam; a total of 100,000 G.R.T. is expected to become available from this shipyard during the period of the Plan. These ships will be sold to the shipping companies at reasonable prices.

In order to make coastal reservation effective, the tonnage required is estimated at 300,000 G.R.T. This also covers the needs of near trades, e.g., India-Pakistan, India-Burma, and India-Ceylon. A provision of Rs. 4 crores as loans to the shipping companies has been made in the Plan. The minimum requirements of additional shipping for overseas trade has been placed at about 100,000 d.w.t. excluding 80,000 d.w.t. required by the Eastern Shipping

Corporation for which a sum of Rs. 4.4 crores to cover Government's contribution has been provided. The additional tonnage for overseas trade will be acquired from the Government loan of Rs. 6.5 crores and supplemented by Rs. 2.2 crores to be advanced by the shipping companies.

According to the Sailing Vessels Committee's Report published in 1949, sailing vessels continue to carry a substantial volume of cargo. It is estimated that 150,000 tons of shipping under sail consisting of about 2,000 vessels carry about a million to a million and a half tons of cargo every year. These vessels employ about 40,000 men, 2,500 masters, 2,500 mates and about 35,000 seamen. Taking the average cost of these vessels at Rs. 250 a ton, the capital outlay is computed at Rs. 4 crores.

SHIP-BUILDING

The credit for building the first modern ship-building yard goes to the Scindia Steam Navigation Co., Ltd. This was founded at Vishakapatnam in 1941; the company completed two berths in 1947. The first steamer built in this yard was launched on March 14, 1948 by Mr. Nehru. A third berth of the same capacity (building of ships ranging from 320 to 550 ft. in length and from about 5,600 tons to about 15,000 tons dead weight capacity) was ready in 1953. The yard is equipped with a fitting-out wharf 1,200 ft. long, which will be capable of fitting-out six ships of large size and 3 medium sized ships in one year. On the engineering side, the hull and structural shop has a fabricating capacity of 8,000 tons of steel per year.

On January 21, 1952 "Hindustan Shipyard Ltd." was registered to take over this yard. The Government of India holds a two-thirds interest in the Company and Scindia one-third. The valuation of the shipyard has been provisionally agreed at Rs. 270 lakhs which will be paid by the issue of fully paid shares of the new company for Rs. 103 lakhs and the balance in five equal annual instalments. The aggregate initial capital of the company will be Rs. 309.9 lakhs.

After the transfer of the ship-yard to the new company, a five-year plan for its development was formulated which was estimated to cost Rs. 15.82 crores between 1952-53 and 1956-57. Out of this, Rs. 11.77 crores are envisaged to be spent during the four years ending 1955-56. With a view to obtaining the necessary technical assistance, an agreement has been made with a French firm for 5 years. This provides for advice in setting up a fully-equipped designing and estimating office, organisation, development and management of the shipyard and the building of ships as well as help in procuring supplies from France and training Indians in France. In return, the firm will receive 4 per cent commission on the annual turnover of the yard.

The annual break-up of the expenditure is visualized as under:—

(Rupees in lakhs).

Year.	Acquisition of yard.	Development of yard.	Loans against ships built at yard.	Subsidy.	Total.
1951-52 ..	39.6	10.0	182	—	231.6
1952-53 ..	40.0	100.0	100	42	282.0
1953-54 ..	40.0	110.0	50	60	260.0
1954-55 ..	40.0	110.0	50	60	260.0
1955-56 ..	40.0	145.0	120	70	375.0
1956-57 ..	7.0	150.0	180	70	407.0
	206.6	625.0	682	302	1815.6

Under the Cabinet reorganisation scheme, shipping became the sole concern of the Transport Ministry early in 1951. While matters of policy are dealt with in the Ministry, the newly created office of the Director-General of Shipping serves as an executive office, as distinct from the Secretary, for the co-ordinated implementation of policy. The office of the Controller of Indian Shipping, the Mercantile Marine Department and the Lighthouse Department have come under his administrative control.

The administration of the Merchant Shipping Acts and Rules made thereunder, at the ports is undertaken by the Principal Officers, Mercantile Marine Department at the principal ports. The Assistant Director of Seamen's Welfare and his officers carry out the planning and execution of schemes and projects for seamen's welfare, scrutiny of the schemes and projects recommended by the Welfare Committees at the ports and administration of the Merchant Seamen's Welfare Amenities Fund.

STEEL INDUSTRY

THE first successful and the most outstanding attempt to manufacture steel in the country on a commercial basis was that of the Tata Iron & Steel Co. which started its Steel Works at Sakchi in the year 1908. Pig iron was made in 1911 and the first steel ingot a year later.

The Indian Iron & Steel Company was started in 1918 at Hirapur about 4 miles from Asansol junction on the Eastern Railway for producing pig iron. Eighteen years later it floated another company, the Steel Corporation of Bengal to manufacture steel. Towards the end of 1952 the two companies were merged.

An iron works was started at Bhadravati in Mysore State in 1921 to which a steel plant was added in 1934. During World War II, a 25-ton basic furnace together with two small electric furnaces were installed.

The combined capacity of these works is 1,878,000 tons of pig iron and 1,050,000 tons of finished steel.

The total capital investment is about Rs. 61 crores and the number of workers employed about 60,000.

The recent trend of production is given below :—

Year.	Pig iron.	Steel ingots.	(000 tons)	
			Semi-finished steel.	Finished steel.
1947	1,320	1,256	1,027	803
1948	1,405	1,256	1,012	857
1949	1,528	1,352	1,105	930
1950	1,562	1,438	1,142	1,004
1951	1,709	1,500	1,249	1,076
1952	1,685	1,578	1,308	1,103

Since 1924 there have been three main tariff enquiries into the case of the iron and steel industry—in 1924, 1926 and 1934. In between there were three supplementary enquiries and five special enquiries for the subsidiary industries in India. The scheme of protection sanctioned as a result of the tariff enquiry held in 1934 was to remain in force for seven years till 31st March 1941. Before, however, this protection expired, World War II intervened, and the protective duties on imported steel were continued from time to time by continuation Acts, the last extension being for a period of one year till 31st March 1947.

Since the war in 1939 the price and distribution of steel have been controlled by the Government though a certain degree of relaxation was introduced in 1952. Even during that year the estimated demand was approximately 2.4 million tons, while the available supply totalled 1,097,000 tons. The demands of the Defence Services and the Railways were met in full. The selling prices of steel were raised twice in 1952, once by Rs. 50 on July 1, 1952, and, again, by another Rs. 50 on September 22, 1952.

RAW MATERIALS

The important raw materials are iron ore, coking coal, manganese ore, refractories made from magnesite, dolomite, chromite, fireclay, etc. and fluxing materials like silica, limestone and fluor-spar. Sulphur is also required for the manufacture of sulphuric acid.

In regard to most of these raw materials, India enjoys a favourable position. The deposits of iron ore are plentiful and of a superior quality, the average iron content of the ore being as much as 69 per cent as compared with 40 per cent in Europe and 50 per cent in the U.S. This is also true of manganese ore, magnesite and dolomite. Known deposits of coking coal are estimated at between 1,500 and 2,000 million tons.

The principal raw materials brought from abroad are spelter for galvanising, tin for tin plates, ferro-tungsten, nickel, chromium and fluor-spar. Deposits of fluor-spar are located in Madhya Pradesh; but they are yet to be exploited.

As raw materials account for nearly 80 per cent of the cost of pig iron and 60 per cent of the cost of finished steel, they provide the explanation for the low cost of steel produced in India.

RE-ROLLING MILLS

The re-rolling mills manufacture a variety of products from blooms and billets. In the initial stage the revenue duty on imported billets was removed to encourage the industry and by 1939 there were 32 re-rolling mills with a productive capacity of 140,000 tons. Towards the end of 1942 when control over distribution of scrap and billets was introduced, out of the 130 mills then existing only 75 came within its purview. Later several mills were compulsorily closed under Government orders.

There are at present 23 registered re-rollers of which five are manufacturers of special products such as tin plates, wire and wire products, fish plates and spikes, bars and rods, bolts and nuts, rivets, spring steel, hoops and strips and are called "secondary producers". In addition, there are 71 re-rollers who are not registered.

The productive capacity on the basis of three shifts is 220,000 tons in respect of secondary producers, 292,000 tons in regard to registered re-rollers and 219,000 tons in unregistered factories. The actual production was, however, very much below the capacity.

In 1933-34 the Tariff Board stated that the re-rolling mills had a place in the iron and steel industry in India. The subsequent inquiries have revealed that a large proportion of the mills are inefficient and uneconomic in addition to such handicaps as the acute shortage of raw materials.

FIVE-YEAR PLAN

The Planning Commission has estimated that the demand for steel will rise from 2.34 million tons in 1952 to 2.8 million tons by 1957, while that for foundry pig iron will be stepped up by 100,000 tons to 700,000 tons.

The main difficulty in stepping up the output is finance. For assisting development, the Government has agreed to loan Rs. 5 crores to the Indian Iron and Steel Company and has also raised the retention prices of steel. Though the production of pig iron has been rising, the portion available for sale has fallen from 356,398 tons in 1948 to 287,209 tons in 1951 and much of it is off-grade quality.

At the beginning of the Plan, the following programmes of expansion were under execution :—

(1) The Mysore Works have taken up certain schemes for execution in the post-war period. These cover expansion of cement production and direct recovery of acetic acid from pyro-ligneous liquor, erection of two electric pig iron furnaces each capable of producing 100-110 tons of pig iron per day, and modernisation of iron ore mines and extension of forest tramways to ensure an adequate supply of wood fuel and mineral raw materials. By April 1, 1951 it had spent Rs. 2.16 crores and the Government may have to lend Rs. 2.82 crores during the period of the Plan for financing the installation of 3 electric pig iron furnaces, electric Duplex plant, billet and light structural mills, and acetic acid plant and extension and improvement of cement plant, ore mines and tramways and shop, foundry, etc. The implementation of this programme is expected to raise the production of finished steel from 40,000 tons to 100,000 tons.

(2) The Steel Corporation of Bengal and the Indian Iron Company have between them projects under execution to increase the installed capacity for finished steel to 345,000 tons by 1953-54.

They have also formulated additional proposals to enable them to produce another 350,000 tons of finished steel and 400,000 tons of foundry iron at a cost of Rs. 31.7 crores spread over 1953-57.

(3) The Tata Iron and Steel Company have formulated a programme of expansion and modernisation of their works at a total cost of about Rs. 22.71 crores apart from normal capital expenditure for replacement and maintenance which is estimated to cost additional Rs. 10.21 crores. Their plan envisages the raising of the capacity for finished steel to 931,000 tons by 1957.

The above schemes are expected to produce the following results :—

	Unit	1950-51	1957-58
Rated capacity of finished steel ..	Tons '000	1,015	1,650
Production—			
Pig iron (for foundries) ..	"	350	750
Finished steel ..	"	976	1,650

The Plan stipulates that the future expansion of the industry should provide for the production of an additional 150,000 tons to 200,000 tons of billets for the re-rolling industry. The expansion will also call for the creation of certain additional transport facilities involving an outlay of about Rs. 10 to Rs. 12 crores.

The Planning Commission is of the view that in spite of the expansion contemplated, there will be a short-fall of a million tons of steel and has, therefore, urged the establishment of a new iron and steel plant through collaboration between the State and an experienced Indian concern. The total expenditure on this during the period of the Plan will be about Rs. 25 crores and negotiations for participation by foreign concerns and the World Bank have been advocated.

SUGAR INDUSTRY

THE sugar industry is the second largest industry in India, next only to the cotton textile industry, with a capital of about Rs. 60 crores of which about Rs. 20 crores is fixed capital and Rs. 40 crores working capital.

It has a considerable influence on the agricultural economy in so far as it brings additional remuneration to those who take to the cultivation of sugarcane.

The economy of Uttar Pradesh and Bihar is particularly tied with the development of this industry since three-fourths of the sugar production is in these two States.

The industry also produces a variety of raw materials for other industries such as power alcohol, paper, paper board and straw board.

The labour employed in sugar factories is roughly 135,000 skilled and unskilled workers.

The growth of the industry is attributable to the protection given to it in 1932 for a period of 14 years. The import duty in pre-war years was as much as Rs. 9-4 per cwt. of which Rs. 2 represented the quantum of the excise duty on indigenous production. Protection was continued till 1950 but it was of an academic interest since imports were negligible since 1937.

In 1931-32 there were only 32 sugar factories in the country but by 1952 the number of factories producing white sugar rose to 160. Seven of these came into existence in the post-war period. In addition, there were two more under construction.

The industry has so far developed in the private sector, the only exception being some of the former Indian States in which the State Governments substantially contributed to its development by financial participation and in other ways.

The year 1952 was notable for another innovation inasmuch as the first factory was built by cane producers on a co-operative basis in the Ahmednagar District in Bombay State.

On the basis of an average operating season of 120 working days and assuming a recovery of 10 per cent. sugar, the rated capacity of the 160 factories is estimated to be over 1.5 million tons of sugar per annum. The industry in Uttar Pradesh and Bihar alone has a capacity to produce 1.15 million tons.

The State-wise distribution of the factories is given below:—

VACUUM PAN FACTORIES IN 1952-53

		Number	Daily cane crushing capacity, in tons.
West Bengal	.. ..	4	1,925
Bihar	.. ..	30	27,865
Uttar Pradesh	.. ..	72	67,484
Punjab	.. ..	1	400
Orissa	.. ..	2	350
Madras	.. ..	10	8,942
Bombay	.. ..	15	9,225
Part C States	.. ..	2	1,100
Kashmir	.. ..	1	600
PEPSU	.. ..	2	2,650
Mysore	.. ..	1	1,400
Madhya Bharat	.. ..	6	3,200
Rajasthan	.. ..	2	1,100
Hyderabad	.. ..	3	1,550
Saurashtra	.. ..	1	350
Travancore-Cochin	.. ..	1	500
Vindhya Pradesh	.. ..	1	100
Total	.. ..	160	128,741

The size of the factories operating in the country varies widely from 50 tons to over 2,000 tons of cane crushing capacity per day. It is generally accepted that factories with a minimum cane crushing capacity of 800 tons per day should be considered as economic units. On this basis, only half the number can be considered economic.

RAW MATERIALS

The principal raw material is sugarcane. Its consumption in 1949-50 was about 10 million tons for a production of 975.00 tons of sugar. Approximately 20 to 25 per cent. of cane is consumed by sugar factories.

Other important raw materials for producing 975,000 tons of sugar in 1949-50 were: Limestone 85,000 tons, sulphur 5,400 tons, coal 100,000 tons, coke 9,500 tons and firewood 5,700,000 tons.

About 90 per cent. of the acreage under cane is now under improved varieties; but the yield per acre has not improved materially and this accounts for the high cost of sugar.

The following tables give the details:—

Year.	Acre under sugar cane (000 acres)	Gross output of raw sugar (000 Tons)
1948-49	3,824	4,869
1949-50	4,138	4,938
1950-51	4,314	5,016
1951-52	4,328	5,895

PRODUCTION

Price of sugar is not controlled now. But there was control from 1942 to October 1952 except for a brief period in 1947. During this

period the controlled price of sugar was linked with the minimum price for cane fixed for Uttar Pradesh and Bihar. Besides the excise duty, the provincial cess was also levied. Since 1948 the floor for cane prices has been and is being slowly lowered.

Since gur was excluded from the orbit of control, the parity price for gur was always higher.

The details of sugar production are given below:—

Year.	Installed cap- acity (Lakh Tons).	Sugar output (Lakh Tons)
Ended October		
1948	11.99	10.05
1949	11.99	10.01
1950	12.70	9.77
1951	12.70	11.15
1952	15.50	14.94

CONSUMPTION

The per capita consumption of sugar in the pre-war period was 6.6 lbs. During 1950-51, on the basis of a production of 1.1 million tons of sugar being consumed by a population of 355 million, the per capita consumption worked out at about 7 lb. In addition, gur amounting to three times the quantity of sugar is also consumed in the country so that the total per capita consumption is not much behind that of other countries.

On the basis of a population of 345 millions and of a production of 1.5 million tons of sugar in the country by utilising the entire rated capacity available, the per capita consumption of sugar can be increased to 8.7 lbs. by 1955-56.

This quantity might be deemed sufficient under present economic conditions, according to the Planning Commission. In 1953 India had, however, to import more than one lakh tons.

The main problem is of cane supply. The factories in Uttar Pradesh and Bihar are in a number of cases situated so near each other that there is competition between them for cane. The industry has also been complaining of the prices fixed for cane. Several factories have not enough covered storage facilities for molasses.

The Five Year Plan for cane cultivation envisages an increased output equivalent to 703,000 tons of gur of which Uttar Pradesh will account for 410,000 tons. The additional production targets (in tons) for other States are: Bombay 80,000, Madras 80,000, Punjab 70,000, Bihar 50,000 and other States 13,000.

Another part of the development programme should consist of enabling some of the factories to shift to areas or States where a plentiful supply of cane is assured. These and other remedial measures should enable the industry which has a productive capacity of over 1.5 million tons of sugar to produce by 1955-56 about 1.5 million tons as against 1.12 million tons in 1950-51.

TEA INDUSTRY

TEA ranks after jute as the second largest item in India's export trade. It earns a foreign exchange of about Rs. 94 crores and a revenue of about Rs. 14 crores from excise and export duties. The State Governments also derive considerable revenue from the agricultural income-tax on tea grown within their jurisdiction as well as from the sales tax on the commodity.

The indigenous plant growing in wild conditions was first discovered in Assam in 1820 and 15 years later the East India Company started an experimental garden which was sold to the Assam Company in 1840. In less than 100 years India has become the tea shop of the world.

On March 31, 1952 there were 6,241 gardens with a total area of 785,884 acres under tea. Of these, over 680,000 acres were in Assam and West Bengal, while Madras, Mysore and Travancore-Cochin accounted for nearly 170,000 acres.

Tea is also grown on a limited scale in Bihar, U.P., Punjab (Kangra) and Tripura. The industry as a whole gives employment to a labour force of over a million.

With the cessation of bulk buying in Bihar 1951 and the re-opening of London auctions, the tendency was for better types of teas to do well at the auctions.

By the end of 1951 the sellers' market was at an end and common teas, which were the worst to be affected, fetched only Rs. 1-3 a lb. at the end of March 1952 as compared with Rs. 1-14 a year before. Simultaneously production costs began to soar and in 1952 the extension of the Minimum Wages Act to the plantation industry prevented many gardens from covering their costs out of prices.

In May 1952 an official team inquired into the problems and recommended certain measures for temporary relief. These included deferred payment of excise duty, guaranteeing the banks of a portion of the loans to gardens, relaxation of provisions in the matter of advance payment of income-tax and supply of more wagons. The labour also agreed to forego certain concessions. Thus a substantial cut in production costs was effected by the end of 1952.

By this time tea prices had again begun to look up but to make sure of the recovery the industry decided to effect a voluntary cut of 8 per cent. in production and pay more attention to quality. The crisis had forced the closure of over 100 estates; but as a result of the above measures, the industry managed to turn the corner.

The cess levied on teas exported out of India has been fixed at Rs. 2 per 100 lbs. since May 1950. This is the maximum rate leviable under the Central Tea Board Act. The excise duty on tea continues to remain at As. 3 a lb.; but teas sold in bulk are subjected to a duty of an anna with effect from 1953-54.

For 1952-53, the export quota allotment was fixed at 452,720,021 lbs. being 130 per cent. of India's standard export figure under the International Tea Agreement and equivalent to 86.5 per cent of the crop basis of estates.

The following table shows the growth of the industry since 1915 :—

Year	Area under tea in thousands of acres	Production in millions of lb.	Year	Area under tea in thousands of acres	Production in millions of lb.
1915-19 (Average)	662	374	1938	840	447
1920-24 "	709	386	1939	841	463
1925	728	384	1940	840	471
1926	739	393	1941	840	500
1927	756	391	1942	841	570
1928	776	404	1943	843	552
1929	788	433	1944	842	507
1930	804	391	1945	841	528
1931	807	394	1946	841	590
1932	840	434	1947	842	600
1933	841	384	1948*	773	561½
1934	841	395	1949	772.5	577½
1935	841	389	1950	777	606
1936	842	390	1951	—	624½
1937	842	423	1952	—	620

* From now on figures are for India only.

The following table shows production by area :—

(In million lb.)

Northern India						Northern India. (Total)	South India.	Total.
Year.	Assam.	Darjee-ling.	Doars and Tarai.	Cachar.	Other Places.			
1948	271	16½	130½	42½	½	480½	100½	581½
1949	273½	18½	144½	41½	½	478½	99	577½
1950	277½	14½	160½	47½	7½	508	98	606
1951	287½	16½	153½	43½	8½	509½	115	624½
1952	296½	15	145½	41½	8½	507	113	620

NOTE :—Figures for Northern India from I.T.A. and for South India from U.P.A.S.I.

CALCUTTA MARKET (Leaf and Broken).

Season.	Export Auction.		Internal Sale.	
	Chests.	Average Price.	Chests.	Average Price.
1948-49	937,571	Rs. a. p. 1 9 6	313,126	1 3 3
1949-50	1,056,942	1 14 10	284,379	1 6 7
1950-51	1,579,094	2 0 9	239,486	1 7 5
1951-52	2,102,920	1 11 7	112,899	1 1 8
1952-53†	1,768,576	1 6 5	36,478	1 1 6

† Up to March 30, 1953.

The following table shows tea exports by sea from the Indian Union to the chief importing countries :—

Country	1948-49 (Millions of lb.)	1949-50 (Millions of lb.)	1950-51 (Millions of lb.)
United Kingdom	281.8	276.3	278.1
U. S. A.	23.2	27.5	37.6
Canada	13.9	26.9	21.0
Australia	7.0	16.9	16.9
Iran	8.1	12.0	11.4
Egypt	0.8	9.2	3.5
Ceylon	0.3	0.4	0.2
Arabia	7.9	6.0	7.4
Chile	0.4	2.0	2.5
U. S. S. R.	14.8	11.0	—
Eire	21.4	12.9	28.0

DISPOSAL OF TEA

(In million lb.)

	1948-49		1949-50		1950-51		1951-52		1952-53	
	North.	South.	North.	South.	North.	South.	North.	South.	North.	South.
Crop	460.7	100.4	478.8	99.1	508.1	98.0	509.7	114.9	507.0	113.0
Export	361.8	61.0	370.5	59.8	378.3	61.1	331.6	65.6	345.7	59.6†
Balance (Internal Consumption)	98.9	39.4	108.3	39.3	129.8	36.9	178.1	49.3	160.3	53.4
Internal Consumption		138.3		147.6		166.7		221.4		218.7
Imports		0.86		0.10		0.56		0.75		....

† Up to March 30, 1953.

TEXTILE INDUSTRY

COTTON

The statistical position of cotton in the Indian Union is summed up in the following table:—

	(In lakhs of bales)			
	1948-49	1950-51	1951-52	1952-53
Opening Stock	31.36	17.16	18.19	24.58*
Production	23.00	33.00	38.93	36.38
Imports	10.78	8.35	12.64	6.25
Total Supply	65.14	58.51	69.76	67.21
Mill Consumption	42.55	36.10	40.71	43.50
Exports	3.05	1.69	1.97	3.30
Extra Factory Consumption ..	2.70	2.70	2.70	2.70
Total Distribution ..	48.30	40.49	45.38	49.50

* The disparity of 20,000 bales remains unexplained.

Export quotas of cotton were more liberal at 200,000 bales of Bengal Deshi and 152,000 bales of other short staple growths for 1951-52 and the export duty was reduced from Rs. 400 to Rs. 200 per bale in March 1952. For the year 1952-53 a quota of 150,000 bales of Bengal Deshi was announced in addition to 100,000 bales of other short staple varieties while Assam Comillas and Coconadas were made free for export. The duty on export of Bengal Deshi was reduced further to Rs. 125 in November 1952 and exports of that growth were allowed up to half of the quotas fixed for other varieties. Cotton waste is also licensed freely for export and the export duty of 50 per cent. *ad valorem* was reduced in the case of soft cotton waste to 30 per cent. in March.

The total imports in 1952 from all sources were 11.4 lakh bales as against 14 lakh bales programmed for and these proved more than sufficient in view of the emergence of the buyers' market for finished goods.

The sharp recession in cotton prices resulted in the relaxation of the cotton control in the field of movement and the Government had to reiterate in March 1952 its assurance about supporting the floor prices. The prices later rallied and, encouraged by the floor remaining untouched, the Government raised the floor for 1952-53 season by Rs. 50 with a view to providing a fresh stimulus to cotton growing.

In view of the satisfactory supply position, forward trading in cotton was permitted from December 1952 within the ring of the East Indian Cotton Association.

The agricultural plan envisages increased production of cotton from 33.00 lakh bales in 1950-51 to 42.29 lakh bales in 1955-56. Meantime, the deficit is being met by imports.

COTTON MILL INDUSTRY

The cotton textile industry, which is the largest single industry in the country, has made rapid strides during its existence of a century. India holds the third place among the countries of the world in its capacity for yarn and cloth based on mechanical equipment and stands second on the basis of cotton consumption.

In addition to providing means of livelihood for nearly 10 million handloom weavers, the mill industry provides employment to about 800,000 workers.

The capital invested is estimated at 100 crores, and the annual turn-over between Rs. 350 crores and Rs. 400 crores.

The following table gives details about the distribution of mills in India, as in August 1952.

Where situated	Number of Mills	Number of Spindles Installed	Number of Looms Installed	Average No. of Hands employed	Approximate Quantity of Cotton consumed in bales
Greater Bombay	65	29,20,509	65,370	1,12,468	10,41,910
Ahmedabad	74	20,23,552	42,371	73,235	6,36,060
Rest of Bombay State	61	12,61,022	24,248	50,416	3,83,976
Rajasthan, Ajmer and PEPSU ..	12	1,62,464	3,707	8,576	1,08,408
East Punjab and Delhi	11	2,09,900	5,039	7,039	1,48,656
Madhya Pradesh	29	7,96,974	12,763	24,788	2,98,314
Madhya Bharat and Bhopal ..	18	4,39,158	11,805	23,162	2,63,928
Bihar and Orissa	3	75,732	1,431	2,037	26,345
West Bengal	36	4,69,830	9,862	21,454	1,31,786
Hyderabad State	7	1,22,440	2,655	7,163	77,882
Uttar Pradesh	7	1,13,596	2,580	4,755	70,766
Madras State	90	19,68,590	8,520	55,007	5,99,124
Travancore-Cochin Union ..	10	1,33,265	726	3,384	30,568
Mysore	11	2,23,028	3,052	11,912	83,102
Pondicherry	3	83,228	1,992	5,238	25,616
Total	437	1,09,03,298	1,95,520	4,12,634	39,26,446

Note: Out of the above six mills in Uttar Pradesh, three mills in rest of Bombay State, two in Ahmedabad, two in Rajasthan, Ajmer and PEPSU and one mill each in Greater Bombay, Saurashtra, Punjab and Delhi, Madhya Bharat and Bhopal, Madras State and Travancore-Cochin were not working. The table also excludes 22 mills which have been registered and/or are in course of erection.

The actual production of yarn and cloth are as follows:—

Year	Yarn in 000 lbs.		Cloth in 000 yards.				
	Production	Mill consumption	Coarse	Medium	Fine	Superfine	Total
1948	1,447,616	1,036,925	797,620	2,580,567	601,429	339,687	4,319,803
1949	1,859,119	963,214	452,068	2,309,169	809,240	333,723	3,904,203
1950	1,174,220	872,675	421,819	1,781,436	1,300,453	261,383	3,665,091
1951	1,303,961	987,376	363,561	2,080,858	1,847,946	233,866	4,076,186
1952	1,448,400	N o	t A	v a	i l a	b l e	4,803,200

On the basis of the full rated capacity of the industry, about 50 lakh bales of cotton are required compared to the actual indigenous supply of 26.28 lakh bales in 1949-50 and 33.00 lakh bales in 1950-51. During 1948-49 the cotton consumption by mills was 42.5 lakh bales.

On this basis, the estimates of the other important raw materials are given below:—
Card clothing—3,500 sets; Bobbins—425,000 gross; Shuttles—8,300 gross; Healds—800,000 sets; Reeds—400,000 pos.; Pickers—37,500 gross; Mutton tallow—3,600 tons; Starch—36,000 tons; Coal tar dyes—5,900 tons; Hydro-sulphite of soda—2,000 tons; Zinc chloride—3,000 tons; Caustic soda—15,000 tons.

SMALL-SCALE INDUSTRY

It is estimated that there are 2,850,000 hand-looms and 23,800 power looms in existence in

the country. About 65 per cent of the power looms are located in Bombay State though the handloom industry has witnessed the largest development in Madras State.

The regional distribution of power looms and handlooms, together with their estimated requirements of yarn is given below :—

State	No. of Power looms	Annual yarn Requirements (m lb.)	No. of Hand-looms	Annual yarn Requirements (m. lb.)
Bihar	147	0.72	190,218	47.10
Bombay	15,742	76.82	161,255	38.70
Madhya Pradesh	1,123	5.48	105,000	25.20
Madras	1,415	6.91	841,140	201.87
Orissa	10	0.05	120,686	31.12
Punjab	1,339	6.53	46,357	11.13
Uttar Pradesh	342	1.67	253,311	60.69
West Bengal	1,354	6.61	97,151	23.32
Hyderabad	167	0.81	149,000	35.76
Madhya Bharat	24	0.12	18,500	3.72
Mysore	1,303	6.36	35,000	8.40
Rajasthan	36	0.18	26,000	6.24
Saurashtra	269	1.40	20,000	4.80
Travancore-Cochin	10	0.04	80,157	19.23
Ajmer-Merwara	10	0.05	2,016	0.48
Delhi	481	2.35	750	0.18
Other Areas	28	0.01	190,164	166.46
Total	23,800	116.11	2,851,685	684.40

Statistics of the production of powerlooms are not available. The actual output of the handloom sector, which showed a remarkable expansion during the Second World War when it reached a peak of 1,700 million yards, registered a fall in the subsequent period and was as low as 810 million yards in 1950 as against 1,250 million yards in 1948 and 1949.

Production of cloth by the handloom industry in 1951-52 has been estimated at 924 million yards.

IMPORTS AND EXPORTS

The year 1952 witnessed the emergence of a buyers' market in cotton textiles and the accumulation of unsold stocks was accompanied by a fall in prices. As a result, there was a progressive

relaxation of control measures and restrictions. In October the prices of a number of varieties including dhories, sarrees and mulls were de-controlled and the policy was further extended to coatings, twills etc. with effect from January 1, 1953, leaving about one-third of the mill production subject to price control. With effect from July 1, 1953 the cloth control was totally abolished.

The production control was used towards the end of 1952 for helping the handloom industry by reserving the production of certain varieties including sarrees woven of dyed yarn, dhories with borders of certain width, lungies, sarongs etc.

In the post-war period, foreign exchange difficulties have resulted in shutting out imports

of cotton textiles except (a) umbrella cloth and special fabrics, (b) yarn of 80s and above required for handloom purposes and (c) yarn of 30s and 60s for manufacture of heads and reeds.

While India was an important importer of cotton goods for several years she has now become an important exporter. In January 1953 the Government provided a stimulus to exports by reducing the export duty on coarse and medium cloth from 25 per cent. *ad valorem* to 10 per cent.

Export quotas for yarn are allowed for the first half of 1953 on a percentage basis of the free yarn made available by each mill in 1952.

The following table gives the sea-borne export trend :—

Year	Twist and Yarn		Cloth	
	Million lb.	Rs. in crores	Million yd.	Rs. in crores
1948-49	7.4	1.3	340.92	36.2
1949-50	64.9	11.8	700.86	59.1
1950-51	74.5	17.1	1,269.60	116.7
1951-52	6.2	2.0	423.82	51.7
1952-53	17.3	4.2	614.61	61.3

DEVELOPMENT PROGRAMME

Cotton cloth (mill-made and handloom) available for consumption per head averaged 15 to 16 yards in pre-war years. The consumption in 1951-52 was, however, estimated at 12.5 yards as against 9 yards in 1950-51, and has been fixed at not less than 13 yards for 1952-53

so as to be progressively increased to 15 yards by 1955-56.

To enable the handloom industry to meet the consumer resistance, the Government constituted an All-India Handloom Board in December 1952.

In regard to the mill industry, it was found that apart from cotton shortage, there were about

150 inefficient and uneconomic units. Another important problem related to diminishing productivity.

The following table summarises the programme of development of the industry as approved by the Planning Commission :—

	Unit	1950-51	1952-53	1955-56
Rated Capacity of Mill industry				
Spindles	No.	10,942,241	11,175,283	11,292,241*
Yarn	m. lb.	1,668.7	1,704.2	1,722.0
Looms	No.	194,411	195,849	195,849
Cloth	m. yd.	4,743.6	4,778.7	4,778.7
Actual Output—				
Yarn	m. lb.	1,179	1,510	1,640
Mill cloth	m. yd.	3,718	4,600	4,700
Handloom Cloth	"	810	1,300	1,700
Exports—				
Yarn	m. lb.	74.5	—	—
Cloth	m. yd.	1,269.5	1,000	1,000
Cotton Needed—	m. bales	3.5	4.5	4.9

* This figure does not include additions in existing mills for achieving economic sizes.

VEGETABLE OIL INDUSTRY

INDIA is one of the most important producers of oilseeds in the world and is consequently a large producer of vegetable oils as well as an exporter of oils and oilseeds.

The following figures show the average production of different varieties of oilseeds in recent years along with their share in world production :—

	Average Indian Production (lakh tons)	As percentage of world Production
Groundnut	30.0	36
Castor seed	1.2	26
Linseed	4.0	15
Sesamum	3.0	26
Cotton seed	13.0	13

According to the latest census of the Development Wing of the Ministry of Commerce and Industry, the number of the more important large-scale mills engaged in crushing edible oils in 1951 was 174 with a rated capacity of about 580,000 tons of oil per annum on a daily

single shift operation of 8 hours and their regional distribution was as under :—

State	No. of units	Annual rated capacity (Tons of oil)
Assam	23	15,300
West Bengal ..	10	63,288
Bihar	21	52,104
Bombay	8	43,152
Delhi	2	3,660
Hyderabad ..	2	N. A.
Madhya Pradesh ..	12	32,640
Madras	14	74,868
Madhya Bharat ..	8	13,548
Mysore	4	14,700
Orissa	1	4,440
Punjab	3	10,956
PEPSU	2	3,672
Rajasthan	2	2,136
Saurashtra	4	37,944
Travancore-Cochin ..	9	15,672
Uttar Pradesh ..	49	190,608
Total	174	578,688*

* Refers to capacity of only 172 units.

The capital invested in the organised industry is estimated at Rs. 30 crores and the number of workers at 25,000. The most important oilseeds consumed in large quantities for the production of oils are groundnut, linseed, rape and mustard, castor seed and sesamum seed. Small quantities of cottonseed and mohwa seed are also crushed.

IMPORTS AND EXPORTS

The following table shows the imports and exports of oil since 1948-49 :—

	1948-49	1949-50	1950-51	1951-52	1952-53
Imports (Tons) ..	7,893	34,164	19,143	29,371	28,767
Coconut oil	7,856	30,700	18,070	20,900	23,401
Exports (Tons) ..	64,361	45,092	120,100	89,073	143,208
Groundnut oil ..	36,760	28,960	82,270	21,065	68,206
Linseed oil	9,171	7,362	5,664	25,338	28,219
Castor oil	13,020	4,922	25,530	23,013	37,344
Others	4,442	3,848	6,636	18,757	9,409

There is an export duty of Rs. 150 per ton on groundnut. The tentative export target is 50,000 tons of oilseeds and 170,000 tons of oil for 1955-56.

On the basis of the minimum *per capita* consumption of fats in this country the total consumption of fats of the entire population would work out at 7 million tons as against the present estimated consumption of 1.2 million tons.

The consumption of vegetable oils in industries has considerably risen since the last war. The development of soap, paints and varnish industries has stimulated the consumption of non-edible oils. Castor oil consumption as a lubricant has also registered considerable expansion. During the decade following the outbreak of the war, consumption of vegetable oils by the soap industry has doubled from 30,000 tons to 63,000 tons, and that of paints and varnish industry and lubricant has risen from 15,000 tons each to 30,000 tons and 25,000 tons respectively.

The Planning Commission estimates that the additional demand will be stepped up by 100,000 tons by 1955-56.

According to the Five-Year Plan, the production of oilseeds would increase by 400,000 tons over the estimated production of 5,103,000 tons in 1950-51. Consequently, the supply of oil is expected to rise from about 1,113,000 tons

in 1949-50 to about 1,272,000 tons by 1955-56. The total supply of vegetable oils of all varieties including about 110,000 tons of coconut oil is thus expected to be 1.38 million tons by 1955-56.

The Commission has recommended measures for assisting the cottonseed industry, introduction of solvent extraction process to secure higher overall recovery of oils and wider utilisation of neglected resources of oil-bearing materials such as neem, mohwa, karang and narotly which grow wild.

The table below summarises the programme of development envisaged during the period of the Plan :—

	1949-50 Tons.	1955-56 Tons.
Output of vegetable oils excluding coconut oil ..	1,113,000	1,287,000
Cottonseed oil	5,000	12,500
Exports of oil	45,000	170,000

VANASPATHI

The Vanaspathi Industry though a minor branch of the Vegetable Oil Industry is one of the most highly organised and efficient industries. Its history is interesting. It started on a small

scale in 1930. Then it grew rapidly as shown in the table below :—

Year	No. of factories	Sale in sub-continent in tons
1937	5	32,000
1938	5	40,000
1939	9	51,000
1940	11	65,000
1941	12	84,000
1942	12	71,000
1943	16	87,000
1944	18	108,000
1945	21	134,000
1946	21	138,000
1947	23	96,000
1948	26	127,000
1949	38	152,728
1950	39	167,653
1951	41	172,000

The State-wise distribution of factories at the beginning of 1952 with annual capacity was as follows :—

State	In production	Under construction	Annual capacity (tons)
Bombay	14	1	133,400
Saurashtra	3	1	22,500
West Bengal ..	7	1	56,000
Bihar	1	..	4,960
Orissa	1	..	7,600
U. P.	4	..	42,488
Delhi	2	..	13,500
Punjab	1	..	3,000
PEPSU .. ..	..	1	3,000
Madras	7	5	52,900
Mysore	4	..	10,800
Hyderabad ..	1	..	7,500
Travancore-Cochin ..	1	..	1,200
Madhya Pradesh ..	2	..	19,500
Madhya Bharat ..	1	1	10,500
Total	40	10	388,828

The gap between the installed capacity and actual production has continued to remain wide as will be seen from the following table :—

Year	Installed Capacity Tons	Production Tons
1948	216,228	129,696
1949	283,728	155,544
1950	319,728	171,636
1951	325,728	172,320
1952	339,228	190,812

The capital invested in the industry is about Rs. 22½ crores. Besides 15,000 workers directly employed, the industry provides indirect employment for nearly 60,000 workers.

Vegetable oils constitute the chief raw material of the industry.

There is no import and export is also negligible.

Production, distribution, sale and price are all controlled for which purpose the country is divided into four zones.

The demand for vanaspathi at present is estimated at about 150,000 tons a year. The Planning Commission, however, thinks that the demand would rise to about 190,000 tons by 1952-53 and to about 300,000 tons by 1955-56.

The table below summarises the programme of development during the period of the Plan :—

	1950-51	1955-56
No. of factories	48	59
Annual rated capacity (tons)	332,228	388,828
Actual Production (tons) ..	152,600	300,000

WOOLLEN INDUSTRY

THERE are three main groups of mills, those which operate both woollen and worsted systems, those with woollen or worsted systems only, and lastly, the Amritsar group of mills which purchase ready spun yarn, and from that stage occupy themselves in weaving, dyeing and finishing.

In 1951 there were 44 factories including four put up since the war and the total capital employed was estimated at Rs. 7 crores. The industry gave employment to about 18,000 workers. The number of powerlooms and spindles installed were 2,039 and 116,800 respectively. The regional distribution of the woollen industry in 1951 was as under :—

Region.	Number of units.		Total.	Rated Capacity (m. lbs.).
	Spinning only.	Spinning and weaving.		
Bombay	2	6	8	6.04
Saurashtra .. .. .	..	1	1	1.50
Punjab .. .. .	..	26*	26	5.70
Uttar Pradesh .. .. .	..	4	4	3.90
West Bengal .. .. .	..	1	1	0.30
Kashmir .. .. .	..	1	1	0.61
Mysore .. .. .	..	3	3	2.10
	2	42	44	20.15

* Of these 22 units are mostly for weaving and account for one million lbs. of rated capacity.

The above rated capacity is assessed on the basis of a single shift of 8 hours per day. Some of the mills are, however, working more than one shift.

Woollen manufactures consist of blankets, rugs, shawls, lolls, coating, overcoating, tweed, flannel, serge, etc.; but the major portion is of coarser and heavier types of goods. The trend of production of woollen manufactures is detailed below :—

Year.	Quantity (m. lbs.).
1947	24.0
1948	20.0
1949	21.0
1950	18.1
1951	17.7
1952	16.7

The fall in production during the years 1950, 1951 and 1952 was mainly due to the difficulty of marketing the goods as a result of consumer resistance to high prices. Since August 1952, however, the fall in the prices of raw wool and finished goods has been accompanied by the broadening of the demand as well as production.

Among the first group, the Cawnpore Woollen Mills and the New Egerton Woollen Mills, Dhariwal, each with more than 15,000 spindles and operating both woollen and worsted systems, are the largest units in India at the present time.

Exports of woollen goods rose in the same period from Rs. 304 lakh to Rs. 649 lakh, carpets and rugs accounting for the bulk of the shipments.

HOSIERY INDUSTRY

According to the Tariff Commission, there were in 1951, 875 units, excluding four mills having hosiery section, of which as many as 843 were in the Punjab with a capital investment of approximately Rs. 3 crores. Only 56 units were, however, registered under the Factories Act and 45 used electric power.

The Ludhiana factories numbering about 805 work during the season, but have a rated capacity for consuming 10.425 million lbs. of yarn annually. The annual rated capacity of the four woollen mills having hosiery section is estimated at 1.313 million lbs. of yarn. The actual production of the industry has, however, been very much less than the rated capacity and has been estimated as under by the Tariff Commission in terms of weight of the finished products :—

Year.	Lakh lbs.
1949	37.83
1950	27.57
1951	20.22

Two new units which were under construction in 1950 went into production in 1951. In addition, another two units were likely to be established for woollen goods apart from the installation of spinning plants for additional production of worsted yarn.

The Planning Commission has estimated the indigenous demand for woollen manufactures at 23 million lbs. by 1955-56 and is of the view that if some of the mills work double shift and the existing capacity fully utilised, the establishment of new weaving units during the period of the Plan is unnecessary. It, however, recognises that the industry is handicapped by inadequate supplies of wool tops and the absence of facilities for technical training and has, therefore, stressed the need for washing of wool before shearing and grading before marketing. The following table summarises the programme of development of the woollen textile industry (mechanised section) :—

	1950-51	1955-56
No. of spindles in existence	116,800	146,800
Annual rated capacity for cloth on single shift (m. lbs.)	20.15	20.15
Actual Production (m. lbs.)	18.00	25.00
Estimated requirements (m. lbs.)	20.00	23.00

Owing to restrictions on imports of finished woollen goods in recent years, there has been a gradual decline in imports from 11.176 million lbs. valued at Rs. 724 lakh in 1948-49 to 3.963 million lbs. valued at Rs. 298 lakh in 1951-52. The bulk of the imports was yarn and knitting wool.

MINES AND MINERALS

Allotment under Five-Year Plan (mineral development) Rs. 1.06 crores.

THE mineral wealth of India, as at present known, though by no means inexhaustible, comprises an adequate range of useful products necessary for industrial development.

The reserves are ample in respect of minerals essential for basic industries—coal and iron—but the country is deficient in a fairly long list of vital minerals like ores of copper, tin, lead, zinc, nickel, cobalt and in sulphur and petroleum.

The position with regard to aluminium ore, refractories, abrasives, limestone etc., may be considered as fairly adequate while in respect of titanium and thorium ores and of mica, the country has considerable reserves.

An idea of India's mineral resources, their adequacy, deficiency and present production is given below :—

MINERALS ADEQUATE FOR INDIA'S NEEDS

Mineral	Production in 000 tons	
	1950	1951
Bauxite	64	67
Coal	32,307	34,431
Ilmenite	212	220
Iron ore	2,971	3,657
Kyanite	35	42
Sillimanite	1	4
Magnetite	53	117
Manganese ore	883	1,234

Coal, iron ore, manganese ore, ilmenite, kyanite and mica for which the data is not available are produced in quantities of real importance to industry and other sections of economy.

Of these mica, manganese ore, kyanite and ilmenite are wholly or largely exported.

MINERALS WITH FAIRLY ADEQUATE SUPPLIES

Mineral	Production in 000 tons	
	1950	1951
Barytes	12	8
China clay	53	55
Other clays	277	291
Felspar	1	3
Chromite	17	16
Gold (000 oz.)	197	226
Gypsum	206	264
Salt	2,573	2,642

MINERALS WITH DEFICIENT SUPPLY

Mineral	Production		Imports	
	1950	1951	1950	1951
Copper (000 tons)	6.6	7.1	41.8	8.6
Graphite	1.5	1.6	0.8	0.7
Lead ore	1.0	1.8	—	—
Lead pig	0.6	0.8	15.4	7.9
Petroleum (m. gals.)	—	—	780.8	869.0
Mercury (m. lbs.)	—	—	2.4	0.7
Sulphur (000 cwts.)	—	—	1,138.0	770.1
Tin	—	—	95.4	59.2
Zinc (000 tons)	—	—	33.4	20.1

MINERAL NEEDS OF INDUSTRIES

Mineral	Present Annual Consumption	Estimated Requirements in 1955-56
Coal (m. tons)	10.0	14.0
Limestone (000 m. tons)	5.3	8.9
Gypsum (000 tons)	97.0	870.0
Iron ore	2,672.0	4,000.0 (a)
Manganese ore	70.0	100.0
Bauxite	26.0	60.0 (b)
Glass sand	108.0	184.0
Ilmenite	Nil	3.0
Monazite sands	Nil	1.5
Sulphur	42.5	82.0
Rock phosphate	35.0	108.0
Petroleum crude	Nil	1,700.0 (c)
Pyrites	Nil	22.0

(a) When the expansion scheme of the existing steel units is complete, the demand for iron ore is expected to go up to 4.4 million tons. This will rise further to 5.5 million tons when the proposed Government steel factory materialises.

(b) Following the execution of the expansion programme of Indian Aluminium Co., the demand for bauxite will be about 110,000 tons per annum.

(c) The addition of two refineries will raise the demand for crude petroleum to 4.2 million tons per annum.

As part of the rational policy to ensure efficient working of known mineral deposits, the Mines and Minerals (Regulation and Development) Act was enacted in 1948. Under this Act, the Central Government's concurrence is necessary for the issue of licences and leases for atomic energy minerals and rare minerals. There is a proposal to cover other minerals by this provision and also to lay down rules regarding economic units for different classes of minerals with due advertence to local conditions.

The Indian Bureau of Mines Act set up in March 1948 continues to tender advice to Government on mineral concessions.

The Geological Survey of India has been expanded so that it can cope with the growing work of protecting, investigating and mapping mineral deposits and tackling the engineering problems connected with the country's hydro-electric projects.

COAL

The most important coal fields are Raniganj and Giridih. Bihar and West Bengal contribute about 82 per cent of the total output. Other States in which coals are found are Madhya Pradesh, Orissa, Hyderabad, Vindya Pradesh, Assam and Rajasthan.

There are about 100 coal fields in India. The production in 1952 was over 36 million tons. The industry employed in 1951 about 340,000 workers, an increase of 68 per cent over 1941.

Indian coal falls mainly into two classes namely, high grade steam and low grade steam.

The Metallurgical Coal Conservation Committee placed the reserves of coking coal at 829.6 million tons in respect of selected grade, 395.7 million tons of grade I quality and 49.1 million tons of grade II quality. With atoning, washing and blending the committee thought that a reserve of 2,000 million tons of good quality coking coal could be obtained. The Geological Survey of India estimated the reserves of non-coking coal at 39,650.25 million tons of which gondwana coal represented 37,113.25 million tons and balance tertiary coal.

The following table gives the details of output :—

Year	Production (million tons)
1946	29.27
1947	30.07
1948	29.82
1949	31.44
1950	32.31
1951	34.43
1952	36.23

Recently the mineral concession rules were revised by the Government of India. The rules (1949) limit the period of the leases to twenty years with the option of one renewal for another twenty years. The rules also require the certificates of approval from the State Governments. The Government has also constituted a committee to consider all applications for opening mines.

Mechanisation in the industry is at a very early stage of development. In the middle of 1951, there were only 374 coal cutting machines in 118 coal mines which represented hardly one-fifth of the total output. There were nine mechanical loaders of which two were out of order while the number of conveyors was only 19. An event of great importance was the introduction of coal washing plant, for the first time in the history of the industry, by Tatas in their West Bokaro mines.

In earlier times the coal used to be sold by the name of steams. For the first time the Indian Coal Grading Board was constituted in 1926. The maintenance of grades requires beneficiation but only about 70 collieries are fitted with screening plants and mechanical chutes, the rest are worked by hand labour.

The Coal Grading Board has split up the area into Raniganj and Jharia coal fields and has carried out extensive work in the field of grading. In 1944 the necessity was felt to control production and distribution of coal and the Colliery Control Order introduced what is known as Coal Commissioner's grade.

Under the Coal Mines (Conservation and Safety) Act, 1952, the Central Government is empowered (1) to adopt measures for the safety of coal mines or for conserving coal, (2) to authorise the Coal Board to deal with problems of the industry, (3) to levy excise duty on coal and coke, and (4) to frame rules for regulating the industry.

The coal industry is thus subjected to a comprehensive control embracing production, allocation, prices and wages. Levies on exports also differ from country to country.

Since the middle of 1952, the overseas demand for Indian coal showed trends of contraction and the mounting stocks at pits forced the industry to offer secret discounts thereby rendering the official prices ineffective.

The export trends are summarised below :—

Country	1950-51	1951-52	1952-53
United Kingdom	3.7	117.0	—
Aden and Dependencies	6.1	55.9	37.8
Pakistan, Western	738.1	128,05.6	119,69.5
Pakistan, Eastern	1680.9	47,78.5	126,56.5
Ceylon	294.3	272.1	321.7
Burma	123.5	124.5	235.3
Singapore	58.7	112.4	114.4
Hongkong	113.1	147.2	155.5
Japan	115.0	812.8	610.6
Egypt	10.1	118.4	10.1
Australia	219.7	193.5	159.1
Others	23.8	256.8	286.3
Coal and Coke—Total	3,895.9	19,628.0	26,605.4

IRON ORE

On account of the high ash of Indian metallurgical coke, it is usual in estimating the Indian iron ore reserves to accept only ores with an iron content of 60 per cent and above. Ores below this iron content are used only in very small quantities in Indian blast furnaces.

India possesses perhaps the largest reserves of high-grade iron ore in the world as well as large quantities of low-grade ores. The estimated resources are :—

	Million Tons
Bihar	
Singbhum	1,047.00
Madhya Pradesh	
Bastar	610.00
Rowghat	800.00
Chanda	21.90
Drug	120.00
Orissa	
Bonal	648.00
Keonjhar	988.00
Mayurbhanj	18.00
Madras	
Salem-Tiruchirappalli	304.65
Andhra	
Cudappah	304.04
Kurnool	3.70
Mysore	
Kemmangundi	105.00
Bababudan	200.00
Sandur	130.00
Bombay and Goa	6.00
Punjab and PEPSU	
Patiala	5.00
Mandi	5.00
Total (not conclusive) more than ..	5,007.20

Large deposits of high grade ores are limited to a few areas of which the following fields require special mention :—

(i) **Singbhum and Orissa** : In what is known as the Singbhum Iron Belt, consisting of the Singbhum District, in which the Tata Iron

& Steel Company's Steel Works are situated, and the neighbouring areas, there exist some of the richest iron ore deposits in the world. The iron content of the ore considered usable varies from 60 per cent to 65 per cent.

(ii) **Mysore** : There are big deposits of hematite and quartz—magnetite ore in Mysore but the latter are of low-grade and would require concentration before using them. The ores used in the Bhadravati Iron Works are from the Bababudan Hills and can be compared to Singbhum ores containing about 60 per cent iron. Incidentally, the total quantity of ore available is not less than 100 million tons.

Limonites deposits are also known to exist but they have not been properly explored owing to transport difficulties.

(000 Tons)

MANGANESE ORE

North Kanara and Panch Mahals in Bombay, Vishakapatnam in Andhra, Sandur, Shimoga, Chitaldrug and Tumkur in Mysore and Balaghat, Bhandara, Chhindwara and Nagpur districts in Madhya Pradesh are today considered as the most valuable and economically workable centres.

Domestic consumption of manganese is given below :—

Year	Production	Domestic Consumption	Exports
1949 ..	645,825	79,264	613,007
1950 ..	882,929	69,325	808,221
1951 ..	1,283,929	88,867	952,000
1952-53 ..	N. A.	N. A.	1,364,931

It is estimated that domestic requirements will reach 100,000 tons by 1957-58.

To conserve reserves export control was brought into force late in 1948 and ceiling limits were placed for both high and low grades. Later, for special reasons, Government decided on a policy of export of high grade ores to the extent of one million tons per annum for a temporary period.

India is believed to have abundant resources probably of the order of 70 to 80 million tons of low grade ore, i.e., containing less than 42 per cent manganese.

Provision has been made in the Plan for investigations in regard to beneficiation of such ores.

The export price for manganese ore which had touched Rs. 175 per ton during the Korean boom and remained almost steady around Rs. 155 in 1952 steadily declined to Rs. 113 by April 1953.

MICA

Mica has been treated as a strategic material and India accounts for a big slice of the world trade in it.

The principal mica deposits are concentrated in Bihar, Rajasthan including Ajmer-Merwara, and Madras. In recent years, its occurrence has been reported from other parts of the country as well.

In Bihar the mica belt is 60 to 80 miles long and about 12 to 16 miles wide and produces "ruby" mica which is in great demand all over the world.

At present Rajasthan is responsible for about 25 per cent of the Indian production. Most of the production from Rajasthan is sent to Bihar to be split and marketed.

The mica belt in the Nellore district in Andhra is about 40 miles long and 5 to 10 miles wide. The greater portion of the Andhra output is of "green" variety.

Statistics of mica production are not reliable and export figures are always higher than production figures. The quantity and value of mica exported from India are given below :—

Year	Quantity in 000 cwt.	Value in lakhs of Rs.
1948-49 ..	340.2	593.7
1949-50 ..	297.7	684.5
1950-51 ..	383.4	956.5
1951-52 ..	407.7	1320.9
1952-53 ..	283.8	899.5

CHROMITE

Chromite is an important strategic mineral of which India has moderate supplies.

The chief deposits are in the Singbhum district of Bihar, the Mysore and Hassan district

The following is the trend of production :—

Year	000 Tons
1949	2,809
1950	2,965
1951	3,657

There has been a small but growing export trade in iron ore as indicated below :—

Year	Tons
1949-50	4,300
1950-51	84,513
1951-52	280,102
1952-53	811,571

of the Mysore State, the Ratnagiri and Sawant-wadi areas of Bombay State, the Krishna district of Andhra, the Salem district of Madras and the Keonjhar district of Orissa.

No reliable estimates of reserves are available but the following figures in tons may be given:—
Reserves in Tons: Mysore (185,000); Bombay (67,000); Orissa (200,000); Salem (200,000).

The following table gives details regarding production and export of chromo ore:—

Year	Production (Tons)	Exports (Tons)
1949	19,416	6,382
1950	16,729	3,864
1951	15,802	8,838

Export of chromite which was unrestricted till 1948 was brought under control and a ceiling of 10,000 tons was prescribed.

MAGNESITE

Large deposits of magnesite used in the manufacture of magnesium salts, metallic magnesium and refractory bricks are known to occur in Salem (Madras), Hassan and Mysore (Mysore), Almora (U.P.), Coorg, Idar (Bombay), Dungarpur (Rajasthan) and Singhbhum (Bihar).

Of these, the chief producing centres are Salem, Hassan and Mysore.

The deposits in Salem have been estimated to contain over 90 million tons within a depth of 100 ft. from the surface. The Almora deposits are supposed to contain a minimum of 20 million tons.

Only a part of the output is used in the manufacture of refractory bricks for steel works and a considerable quantity is exported.

The output and export of magnesite from Salem and Mysore from 1949 to 1951 are given below:—

Year	Output (Tons)	Exports (Tons)
1949	90,504	37,099
1950	52,859	16,465
1951	117,071	40,409

GYP SUM

Gypsum deposits are known to exist in several parts of India. The better known gypsum bearing regions are in Rajasthan (Jodhpur, Bikaner and Jaisalmer) and in Madras (Tiruchirappalli district).

The reserves are placed at 40 million tons in Rajasthan, 15.3 million tons in Madras and one million tons in Andhra (Nellore district).

Smaller deposits also occur in Tehri-Garhwal, Himachal Pradesh and parts of western India; but these have not been explored.

The annual production from Indian deposits from 1949 is given below:—

Year	Output (Tons)
1949	139,944
1950	206,366
1951	203,602

At present the annual estimated consumption of gypsum is about 94,000 tons for cement manufacture and about 2,000 to 3,000 tons for plaster of Paris.

The Sindhri Fertiliser Factory will annually require about 600,000 tons of gypsum.

The Planning Commission estimates that by the end of 1955-56 the demand will rise to 870,000 tons as against 127,000 tons in 1951-52. Of the increase cement will account for 45,000 tons to 160,000 tons and fertilisers for 678,000 tons to 690,000 tons.

SULPHUR

Native sulphur in deposits of large size is unknown in India though some occurrences have recently come to light in the hill ranges in the north of India, and small deposits of native sulphur produced by bacterial action on sulphates derived from sea-water have been found in the coastal tract of Masulipatnam and in the Barren Island.

Deposits of pyrites are more widespread and are found in Kashmir, at Taradevi near Simla, at Amjor near Rohtas in Bihar, Karwar in Bombay and in the Chitaldurg area of Mysore.

Substantial quantities of pyrites are associated with the gold deposits of Wynad in the Nilgiri district of Madras. Most of the copper deposits also occur in the form of copper pyrites. Some of the Indian coals, e.g. Assam coal and Rewa coal are high in sulphur.

As there is no production of sulphur in India, the country's requirements are met from imports, for which the recent figures are given below:—

Year	Quantity (Tons)
1948	38,300
1949	41,000
1950	55,000
1951	38,507

SALT

The principal centres of salt manufacture in the Indian Union are as follows:—

(a) Marine Salt Works:—

(i) Saurashtra and Kutch—Bhavnagar, Jafraabad, Jannagar, Lavanpur, Porbandar, Bharai and Kandla.

(ii) Bombay—Dharasana, Bhayandar, Bhandup, Uran and Mithapur.

(iii) Madras—Nanpada, Pennugudur, Madras, Cuddalore, Adirampatnam, and Tuticorin.

(iv) Orissa—Astarang (Puri) and Huma, Gokhukuda, and Sumadi (Ganjam district).

(v) West Bengal—Contal (Midnapur).

(vi) Travancore-Cochin—along the coast.

(b) Salt Mines:—

(vi) Himachal Pradesh—Mandi.

(c) Inland Sources:—

(viii) Rajasthan—Sambhar, Dikwana and Pachbadra.

(ix) Bombay and Saurashtra—Kharaghoda and Kuda (Rann of Kutch).

Production

At present there are 122 salt works with an annual productive capacity of about 2.804 million tons (76.3 million maunds) of which six units with a productive capacity of about 0.73 million tons (20 million maunds) are owned and operated by Government.

The total area under salt is estimated at about 82,000 acres as against 55,600 acres at the beginning of the period of the Plan of which 84 per cent is owned and leased out by the

Central and the State Governments. In terms of actual production, however, Government factories account for one-fourth of the output.

In the private sector, the manufacture is largely in the hands of small licensees or lessees of absentee proprietors, except in Saurashtra and Kutch.

The trend of production (in thousand tons) in 1951-52 is given below:—

Bombay, 644; Madras, 736; Orissa, 40; West Bengal, 2; Rajasthan, 494; Saurashtra, 776; Mandi, 5; Unlicensed factories, 100; total, 2,797.

The total block capital invested in the industry is estimated at about Rs. 703 lakhs (Rs. 505 lakhs in marine salt works and Rs. 108 lakhs in inland salt works).

The amount of working capital is about Rs. 250 lakhs.

The total number of persons employed in the industry in 1948 was approximately 72,000 of which about 57,000 worked in the marine salt works, about 14,000 in the inland salt works and about 600 in the Mandi mines.

Until 1939 India was a heavy importer of salt but imports into India since 1947 not only steadily declined but of late the country has become an important exporter as will be seen from the following:—

—	Quantity (Tons)	Value Rs. in lakhs
1950-51 ..	1,862	1 5
1951-52 ..	86,632	39 4
1952-53 ..	222,617	60 1

The Salt Experts Committee (1950) estimated that the total consumption would rise to 3.0 million tons (81.7 million mds.) in five years, the break-up being domestic consumption 2.1 million tons, industries 0.4 million tons, livestock and agriculture 0.3 million tons and curing of hides and fish, etc. the remainder.

The Planning Commission thinks that it will rise to about 2.75 million tons by the end of 1952-53 and to 3 million tons by the end of 1955-56.

Salt is produced by solar evaporation except in Mandi where rock salt is obtained by dry mining.

Excepting in Saurashtra and Kutch, most of the holdings are small. In Madras 3,500 licensees hold 17,000 acres of land under salt. The average yield in south India is about 40 tons per acre, while in Saurashtra, where the average holding varies from 600 to 1,000 acres, the yield ranges 50 and 90 tons per acre.

The distribution is regulated under the zonal system for despatch by rail since the beginning of 1949.

A cess of two annas per maund on salt produced in private salt works and 3½ annas on salt produced in Government works is levied in order to meet administrative charges of the Salt Commissioner's office and finance the development of the industry.

Export of salt by sea from other parts of the country to West Bengal were exempted from the payment of cess till 1952. Export of salt to Japan by sea from India are still exempted from cess.

Schemes for the existing Government works at Rajasthan and Kharaghoda involve an outlay of Rs. 50 lakhs during 1951-56. Rs. 100 lakhs are meant for the development of the Mandi mines to obtain an annual output of 66,000 tons from 1955-56 onwards.

RARE METALS

The recent technological advances for meeting the rigorous demands of modern times have focussed the attention of the various countries on the possibilities of using new metals or modifying known metals. Some of the rare metals which were scientific curiosities till recently are now being produced on a commercial scale in Western countries. It is known that the soils of India contain ores from which some of these rare metals can be recovered. The Government of India and the Travancore-Cochin State Government have jointly floated a joint stock company, the Indian Rare Earths Ltd., to process the monazite sands of Travancore. The Company plans to extract a mixture of oxides of rare earths containing cerium lanthanum, praseodymium, neodymium and ten other metals of the rare earth group.

Cerium is now being extensively used in glass manufacture, cores of cinema electrodes, catalyst in chemical manufacture, as abrasive in optical glass fabrication and in some structures of steel.

The use of thorium salts in manufacture of incandescent gas mantles is well known. It is also used in glass manufacture, benzene synthesis, metallurgy and cloth impregnation. Intensive search has located deposits of pitch blend containing a high percentage of uranium oxides in Rajasthan. A belt of uranium minerals over 150 miles long has been found in Bihar and there are sporadic occurrences in Madras as well.

Vanadium is of great value to the manufacture of certain types of steel. Appreciable reserves bearing titaniferous iron ores containing about 3 per cent oxides of vanadium have been discovered in Bihar. Tungsten ore accepted as of strategic importance is found in parts of West Bengal and Rajasthan. Chromite ores occur mostly in Chitaldurg (Mysore) and Singhbhum (Bihar). The minerals containing columbium and tantalum used to prevent weld decay and corrosion respectively have been traced in small quantities in the mica producing areas like Nellore, Monghyr, Gaya, Mysore and Travancore.

Beryllium used in metallic springs and in manufacturing X-ray tubes is produced from the ore known by that name. It is found in Rajasthan, Bihar and Nellore in Madras. Gallium and germanium are found in coal. More recently a rich source in the mineral sphalerite was reported from Nepal. The National Metallurgical Laboratory at Jamshedpur is examining the economics of Mysore and Singhbhum chromite and of low-grade chrome ores from Talur (Mysore) and has evolved a new electrolytic technique for separating beryllia from beryl. The National Chemical Laboratory of Poona has developed quick methods for estimating vanadium, beryllium, uranium and germanium.

Lithium is an important light metal of strategic significance. In India lithium minerals were first noticed as early as in 1874, and are commonly found as constituents of granite pegmatites. The sources are Pihara (Bihar), Jodhpur, Bastar (Madhya Pradesh) and Ooregam (Mysore). Kashmir is reported to have crystalline white blocks in a valley north of the famous sapphire mines. Nevertheless no systematic survey of the resources has yet been undertaken.

THE FIVE-YEAR PLAN

THE Planning Commission was set up in March 1950 by a resolution of the Government of India. A draft plan was presented in July 1951.

The final plan was presented to the Government of India on December 7, 1952 and laid before Parliament on December 8.

The members of the Planning Commission were: Mr. Jawaharlal Nehru (Chairman), Mr. Gulzarilal Nanda (Deputy Chairman), Mr. V. T. Krishnamachari, Mr. Chintaman D. Deshmukh, Mr. G. L. Mehta, Mr. R. K. Patil and Mrs. Durgabai Deshmukh. The Secretary was Mr. N. R. Pillai and the Deputy Secretary Mr. Tarlok Singh. Mr. Mehta remained a member till August 26, 1952 and Mr. Patil till November 10, 1951 and was subsequently associated with the work of the Commission.

The five-year period is 1950-51 to 1955-56.

Below is given a statistical description of the Plan.

Throughout the allotments for Madras include those for Andhra.

The total outlay and distribution as between Central and State Governments is as follows (Rs. in crores):—

Centre (including railways), 1,241; Part A States, 610; Part B States, 173; Part C States, 32; Jammu & Kashmir 13; Total 2,069.

The outlay proposed in the development programmes of States other than Jammu & Kashmir is as follows (Rs. in crores):—

PART A STATES: Assam, 17.49; Bihar, 57.29; Bombay, 146.44; Madhya Pradesh,

43.08; Madras, 140.84; Orissa, 17.84; Punjab, 20.21; Uttar Pradesh, 97.83; and West Bengal, 69.10.

PART B STATES: Hyderabad, 41.55; Madhya Bharat, 22.42; Mysore, 36.60; PEPSU, 8.14; Rajasthan, 16.82; Saurashtra, 20.41 and Travancore-Cochin, 27.32.

PART C STATES: Ajmer, 1.57; Bhopal 3.90; Bilaspur, 0.57; Coorg, 0.73; Delhi, 7.48; Himachal Pradesh, 4.55; Kutch, 3.05; Manipur, 1.55; Tripura, 2.07; and Vindhya Pradesh, 6.39.

The table below shows the financial basis of the Plan in crores of rupees:—

	Central Government	States including Jammu & Kashmir	Total
Planned outlay on development	1,241	828	2,069
Budgetary Resources:			
1. Saving from current revenues	330	408	738
2. Capital receipts (excluding withdrawals from reserves)	396	124	520
3. Internal Inter-Governmental transfers in connection with the Plan (i.e., "Central assistance")	—229* 497	229* 761	1,258
External resources already received	156	—	156
TOTAL (of last two items)	653	761	1,414

* Includes Rs. 4 crores by way of statutory grants for Scheduled Tribes which will be available for part of the development expenditure on Scheduled Tribes in the Assam State Plan.

The balance of Rs. 655 crores will have to be found from further external sources or internal taxation and borrowing and deficit financing.

OUTLAY

The distribution of expenditure in the public sector is as follows :—

	Rs. Crores	Per cent of Total.
Agriculture and Community Development	361	17.5
Irrigation	168	8.1
Multi-purpose Irrigation and Power Projects	266	12.9
Power	127	6.1
Transport and Communications	497	24.0
Industry	173	8.4
Social Service	340	16.4
Rehabilitation	85	4.1
Others	52	2.5
TOTAL	2,069	100.0

In October 1952 it was decided to increase the expenditure on the Plan by another Rs. 175 crores to meet the rising unemployment in the country. (For details see end of the article.)

The following table shows the Development Expenditure Under the Plan in greater detail with the Central contribution :—

(Rupees in lakhs)

Head	Total	Central Government
I. AGRICULTURE AND COMMUNITY DEVELOPMENT		
Agriculture	184,22.2	59,22.2
Veterinary and Animal Husbandry including Dairying	22,28.5	4,12.0
Forests	11,69.5	2,00.0
Co-operation	7,11.2	50.0
Fisheries	4,64.1	50.5
Rural Development	10,47.1	..
Community Projects	90,00.0	90,00.0
Local Works	15,00.0	15,00.0
Programme for Scarcity affected Areas	15,00.0	15,00.0
TOTAL	360,42.6	186,34.7
II. IRRIGATION AND POWER		
Multi-purpose Projects	265,90.0	265,90.0
Irrigation Projects	167,96.5	..
Power Projects	127,54.0	..
TOTAL	561,40.5	265,90.0
III. TRANSPORT AND COMMUNICATIONS		
Railways*	250,00.0	250,00.0
Roads	108,87.8	31,24.0
Road Transport	8,96.9	..
Shipping	18,05.8	18,05.8
Civil Aviation	22,87.0	22,87.0
Ports and Harbours	33,08.8	32,06.4
Inland Water Transport	10.0	10.0
Posts and Telegraphs	50,00.0	50,00.0
Broadcasting	3,52.0	3,52.0
Overseas Communications	1,00.0	1,00.0
Meteorological Department	62.0	62.0
TOTAL	497,10.3	409,47.2
IV. INDUSTRY		
Large-scale Industries	140,33.2	126,04.3**
Cottage and Small-scale Industries	27,04.1	15,00.0
Scientific and Industrial Research	4,61.0	4,61.0
Mineral Development	1,06.1	1,06.1
TOTAL	173,04.4	146,71.4
V. SOCIAL SERVICES		
Education	155,66.1	39,01.6
Health	99,54.6	17,87.4
Housing	48,81.6	38,50.0
Labour and Labour Welfare	6,91.7	3,97.3
Amelioration of Backward Classes and Scheduled Castes and Tribes	23,87.2†	7,00.0
TOTAL	339,81.2	106,36.3
VI. REHABILITATION	85,00.0	85,00.0
VII. WORKS AND BUILDINGS	11,02.3	11,02.3
VIII. FINANCE MINISTRY SCHEMES	4,39.6	4,39.6
IX. NORTH-EAST FRONTIER AGENCY	3,00.0	3,00.0
X. ANDAMANS	3,82.8	3,82.8
XI. LOANS TO CORPORATIONS	12,00.0	12,00.0
XII. MISCELLANEOUS	17,74.4	6,50.0
GRAND TOTAL	2,068,78.1	1,240,54.3

* The outlay of Rs. 250 crores is additional to the estimated expenditure of Rs. 150 crores to cover the current depreciation of assets in the period of the Plan.

** Includes lump sum provision of Rs. 50 crores for basic industries and transport and programme for mineral exports.

† This includes Central grants amounting to Rs. 8 crores; in addition, about Rs. 9 crores are likely to be available by way of grants from the Central Government under Article 275(1) of the Constitution.

TARGETS

The following figures will show how the outlay will add to the production potential of the community in various spheres:

	(Rs. Crores)
(1) Outlay which will add to the stock of productive capital owned by Central and State Governments	1,199
(2) Outlay which will contribute to building up productive capital in the private sector	
(a) Expenditure on agriculture and rural development (excluding community projects and provision for scarcity affected areas)	244
(b) Loans for transport and industry	47
(c) Provision for stimulating local development (community projects and local works)	105
(3) Outlay on social capital	425
(4) Outlay unclassified above (including provision for scarcity affected areas)	49
TOTAL	2,089

The table below shows the targets set together with figures for 1950-51.

	1950-51	1955-56
I. AGRICULTURE		
Food grains including gram and pulses (million tons)	52.7	61.6
Cotton (lakh bales)	29.7	42.2
Jute (lakh bales)	33.0	53.0
Sugarcane (million tons)	5.6	6.8
Oilseeds (million tons)	5.1	5.5
II. IRRIGATION AND POWER		
Irrigation (million acres)	50.0	69.7
Electrical energy (installed capacity in million kws.)	2.3	3.5
III. INDUSTRY		
Iron and Steel (lakh tons)		
Pig Iron available for foundries	3.5	6.6
Finished Steel	9.8	13.7
Cement (lakh tons)	26.9	48.0
Aluminium (thousand tons)	3.7	12.0
Fertilisers (thousand tons):		
Ammonium sulphate	46.3	450.0
Superphosphate	55.1	180.0
Locomotives (nos.)		150
Machine-tools (nos. in thousand)	1.1	4.6
Petroleum refining; liquid petroleum (million gallons)	N.A.	403.0
Bitumen (thousand tons)	N.A.	37.5
Cotton manufacture:		
Yarn (million lb)	1179	1640
Mill cloth (million yards)	3718	4700
Handloom (million yards)	810	1700
Jute manufacture (thousand tons)	892	1200
Agricultural machinery		
(a) pumps, power-driven (thousand)	34.3	85.0
(b) diesel engines (thousands)	5.5	50.0
Bicycles (thousands)	101.0	530.0
Power alcohol (million gallons)	4.7	18.0
IV. TRANSPORT		
Shipping (tonnage)		
Coastal (G.R.T. thousands)	211.0	315.0
Overseas (G.R.T. thousands)	173.5	283.0
Roads		
National Highways (thousand miles)	11.9	12.5
State Roads (thousand miles)	17.6	20.6
V. EDUCATION*		
Pupils in		
Primary schools (lakhs)	151.1	187.9
Junior basic schools (lakhs)	29.0	52.8
Secondary schools (lakhs)	43.9	57.8
Industrial schools (thousands)	14.8	21.8
Other technical and vocational training schools (thousands)	26.7	43.6
VI. HEALTH		
Hospitals (beds in thousands)	106.5	117.2
Dispensaries (number):		
Urban	1358	1615
Rural	5229	5840
VII. DEVELOPMENT INSTITUTIONS		
Panchayats (thousands)	55.1	69.1
Co-operative societies**		
Credit (thousands)	87.8	112.5
Sale and marketing (thousands)	14.7	20.7
Multi-purpose (thousands)	31.5	40.5
Lift irrigation (Nos.)	192.0	514.0
Co-operative farming (Nos.)	352.0	975.0
Others (thousands)	27.3	35.8
Total (thousands)	161.9	211.1

* These estimates do not cover (except in respect of industrial schools) Hyderabad, Rajasthan, Ajmer and Vindhya Pradesh. In some cases, data for a few States (e.g., U.P. in respect of primary schools and Madhya Pradesh in the case of junior basic and secondary schools) are also not covered in these estimates.

** The estimates here exclude data for Punjab, Orissa, Hyderabad, PEPSU and most of the Part "C" States.

OUTLAY IN STATES

The following table shows the development expenditure for the States of Assam, Bihar, Bombay, Madhya Pradesh and Madras.

(Rupees in lakhs)

Head	Assam	Bihar	Bombay	Madhya Pradesh	Madras
Agriculture	2,76.1	12,84.3	17,48.4	10,05.5	15,93.7
Veterinary and Animal Husbandry	12.5	92.5	1,66.9	98.8	1,00.0
Dairying and Milk Supply	—	1.5	6,02.1	36.9	50.0
Forests	36.3	1,25.0	83.8	40.8	38.8
Co-operation	29.3	39.0	1,23.2	28.8	1,00.0
Fisheries	6.0	10.6	16.0	5.8	1,00.0
Rural Development	39.3	1,24.7	1,31.5	1,65.9	2,00.0
I. AGRICULTURAL AND RURAL DEVELOPMENT (TOTAL) ..	3,99.5	16,77.6	28,71.9	13,82.5	21,82.5
Multipurpose Projects	—	—	—	—	—
Irrigation Projects	2,00.0	9,73.3	22,09.0	3,08.0	34,08.0
Power Projects	83.0	7,08.7	10,43.0	6,00.0	50,24.0
II. MAJOR IRRIGATION AND POWER PROJECTS (TOTAL) ..	2,83.0	16,82.0	33,12.0	9,08.0	84,32.0
Cottage Industries	2,50.0	59.2	1,03.1	9.2	1,16.9
Other Industries	—	60.0	2,50.6	2,26.2	85.1
III. INDUSTRY (TOTAL)	25.0	1,19.2	3,53.7	2,35.4	2,02.0
Roads	2,13.0	8,00.0	11,63.6	2,00.0	5,00.0
Road Transport	31.9	—	2,00.0	—	—
Ports and Harbours	—	—	25.0	—	—
IV. TRANSPORT (TOTAL)	2,44.9	8,00.0	13,88.6	2,00.0	5,00.0
Education	89.9	5,70.4	46,11.1	10,79.3	8,00.0
Medical	1,73.5	4,03.9	5,36.4	2,67.9	3,00.0
Public Health	17.8	1,96.0	11,16.7	78.2	9,00.0
Housing	—	1,00.0	77.2	20.0	3,00.0
Labour and Labour Welfare	6.0	20.0	1,62.3	0.5	—
Amelioration of Backward Classes	5,09.6	1,60.0	2,13.6	1,36.4	4,67.6
V. SOCIAL SERVICES (TOTAL)	7,96.8	14,50.3	67,17.3	15,82.3	27,67.6
VI. MISCELLANEOUS	—	—	—	—	—
GRAND TOTAL	17,49.2	57,29.1	146,43.5	43,08.2	140,84.1

The following table shows the development expenditure for the States of Orissa, Punjab, Uttar Pradesh, West Bengal and the total for Part A States

(Rupees in lakhs)

Head	Orissa	Punjab	Uttar Pradesh	West Bengal	Total for Part A States
Agriculture	2,05.5	2,10.7	20,95.9	6,88.1	91,08.2
Veterinary and Animal Husbandry	52.8	22.0	1,34.1	74.7	7,54.3
Dairying and Milk Supply	0.2	—	20.6	50.0	7,70.3
Forests	13.1	18.0	1,65.2	78.8	5,99.8
Co-operation	28.9	11.8	1,30.7	—	4,91.7
Fisheries	33.4	—	6.2	1,54.5	3,32.5
Rural Development	10.0	—	—	3.0	6,74.4
I. AGRICULTURE AND RURAL DEVELOPMENT (TOTAL) ..	3,52.9	2,62.5	25,52.7	10,49.1	127,31.2
Multipurpose Projects	—	—	—	—	—
Irrigation Projects	3,00.0	3,26.2	19,12.0	15,37.8	112,34.3
Power Projects	3,91.0	38.2	14,11.0	75.8	93,74.7
II. MAJOR IRRIGATION AND POWER PROJECTS (TOTAL) ..	6,91.0	3,64.4	33,23.0	16,13.6	206,09.0
Cottage Industries	27.6	48.1	3,01.5	74.3	7,64.9
Other Industries	65.3	15.5	2,80.7	42.4	10,25.8
III. INDUSTRY (TOTAL)	92.9	63.6	5,82.2	1,16.7	17,90.7
Roads	2,00.0	75.1	5,22.4	13,85.1	50,59.2
Road Transport	20.0	—	1,20.0	1,90.5	5,62.4
Ports and Harbours	1.0	—	—	—	26.0
IV. TRANSPORT (TOTAL)	2,21.0	75.1	6,42.4	15,75.6	56,47.6
Education	1,79.5	1,18.0	16,03.8	8,08.1	98,60.1
Medical	78.7	73.9	3,49.8	12,10.2	33,94.3
Public Health	46.4	50.1	2,46.1	3,04.7	29,56.0
Housing	—	11.3	1,45.2	2,23.4	8,77.1
Labour and Labour Welfare	1.9	1.8	1,01.5	—	2,94.1
Amelioration of Backward Classes	1,16.4	—	2,30.2	8.3	18,48.1
V. SOCIAL SERVICES (TOTAL)	4,22.9	2,55.1	26,82.6	25,54.7	192,29.6
VI. MISCELLANEOUS	3.5	1,00.0	—	—	10,03.5
GRAND TOTAL	17,84.2	20,20.7	97,82.9	69,09.7	610,11.6

PART B STATES

The following table shows the development expenditure for Hyderabad, Madhya Bharat, Mysore, and PEPUSU.

(Rupees in lakhs)

Head	Hyderabad	Madhya Bharat	Mysore	PEPSU
Agriculture	3,46.4	7,50.0	4,43.0	3,64.9
Animal Husbandry	49.6	50.0	53.8	10.0
Dairying and Milk Supply	1.7	—	—	—
Forests	21.4	50.0	8.3	43.6
Co-operation	35.3	25.0	7.1	15.0
Fisheries	8.6	10.0	2.2	2.4
I. AGRICULTURE AND RURAL DEVELOPMENT (TOTAL)	4,63.0	9,45.0	5,95.5	4,35.9
Multipurpose Projects	—	—	—	—
Irrigation Projects	24,79.0	3,28.0	7,16.0	34.0
Power Projects	3,20.6	2,28.0	12,68.0	30.6
II. MAJOR IRRIGATION POWER PROJECTS (TOTAL)	27,99.6	5,56.0	19,84.0	64.6
Cottage Industries	25.7	50.0	1,35.4	4.4
Other Industries	2,68.7	5.0	34.8	27.3
III. INDUSTRY (TOTAL)	2,94.4	55.0	1,70.2	31.7
Roads	1,28.6	1,89.0	3,20.1	95.1
Road Transport	—	—	—	—
Ports and Harbours	—	—	—	—
IV. TRANSPORT (TOTAL)	1,28.6	1,89.0	3,20.1	95.1
Education	2,63.5	2,00.0	2,25.6	89.9
Medical	1,17.7	77.0	56.5	56.0
Public Health	88.2	1,21.2	1,58.3	29.0
Housing	—	14.4	50.0	2.0
Labour and Labour Welfare	—	4.4	—	—
Amelioration of Backward Classes	—	80.0	100.0	10.0
V. SOCIAL SERVICES (TOTAL)	4,69.4	4,97.0	5,90.4	1,86.9
VI. MISCELLANEOUS	—	—	—	—
GRAND TOTAL	41,55.0	22,42.0	36,60.2	8,14.2

The following table shows the development expenditure for Rajasthan, Saurashtra, Travancore-Cochin, Jammu and Kashmir and the total for Part B States.

(Rupees in lakhs)

Head	Rajasthan	Saurashtra	Travancore-Cochin	Jammu and Kashmir	Total for Part 'B' States
Agriculture	1,09.2	2,12.4	5,45.1	22.1	27,71.0
Veterinary and Animal Husbandry	18.3	10.4	2.5	15.0	1,94.6
Dairying and Milk Supply	—	1.6	—	—	3.3
Forests	21.8	19.6	60.0	10.0	2,24.7
Co-operation	3.0	31.8	8.0	—	1,25.0
Fisheries	—	34.7	15.0	—	72.9
Rural Development	15.0	2,16.1	—	—	3,72.2
I. AGRICULTURE AND RURAL DEVELOPMENT (TOTAL)	1,67.8	5,26.6	6,30.6	47.1	37,63.9
Multipurpose Projects	—	—	—	—	—
Irrigation Projects	5,03.6	4,74.6	4,78.0	3,66.7	50,13.2
Power Projects	40.8	2,12.5	10,35.0	74.9	31,35.5
II. MAJOR IRRIGATION AND POWER PROJECTS (TOTAL)	5,44.4	6,87.1	15,13.0	4,41.6	81,46.7
Cottage Industries	38.5	13.9	89.0	31.2	3,56.9
Other Industries	—	0.9	15.8	50.6	3,52.5
III. INDUSTRY (TOTAL)	38.5	14.8	1,04.8	81.8	7,09.4
Roads	4,00.0	3,00.0	1,50.0	4,94.4	15,82.8
Road Transport	1.0	53.0	42.0	—	96.0
Ports and Harbours	—	33.0	30.0	—	63.0
IV. TRANSPORT (TOTAL)	4,01.0	3,86.0	2,22.0	4,94.4	17,41.6
Education	2,63.5	1,64.9	20.0	46.0	12,27.4
Medical	82.0	71.5	1,20.0	46.0	5,80.7
Public Health	1,35.5	73.7	51.5	82.2	6,57.4
Housing	2.0	9.1	10.0	12.0	37.6
Labour and Labour Welfare	5.0	10.9	—	—	20.8
Amelioration of Backward Classes	42.2	24.4	60.0	—	3,16.6
V. SOCIAL SERVICES (TOTAL)	5,30.2	3,54.5	2,61.5	1,86.2	28,89.9
VI. MISCELLANEOUS	—	72.0	—	48.0	72.0
GRAND TOTAL	16,81.4	20,41.0	27,31.9	18,00.0	178,25.7

PART C STATES

The following table shows the development expenditure for Ajmer, Bhopal, Bilaspur, Coorg, Delhi and Himachal Pradesh.

(Rupees in lakhs).

Head	Ajmer	Bhopal	Bilaspur	Coorg	Delhi	Himachal Pradesh
Agriculture	48.4	1,73.0	7.0	—	63.6	23.0
Veterinary and Animal Husbandry	9.6	7.0	1.1	—	9.4	22.4
Dairying and Milk Supply	—	—	—	1.0	4.9	—
Forests	10.6	20.0	5.0	—	2.2	59.0
Co-operation	8.4	5.0	—	2.0	6.3	15.0
Fisheries	—	2.0	—	—	2.6	1.0
Rural Development	—	—	0.5	—	—	—
I. AGRICULTURAL AND RURAL DEVELOPMENT (TOTAL)	77.0	2,07.0	13.6	3.0	89.0	1,25.4
Irrigation Projects	11.3	—	—	—	—	80.0
Power Projects	—	27.9	—	35.0	—	13.6
II. MAJOR IRRIGATION AND POWER PROJECTS (TOTAL)	11.3	27.9	—	35.0	—	93.5
Cottage Industries	—	5.0	0.5	—	7.3	23.0
Other Industries	—	—	—	—	—	—
III. INDUSTRY (TOTAL)	—	5.0	0.5	—	7.3	23.0
Roads	15.9	40.0	23.0	20.0	25.0	1,10.0
Road Transport	—	—	2.0	—	2,16.0	10.0
Ports and Harbours	—	—	—	—	—	—
IV. TRANSPORT (TOTAL)	15.9	40.0	25.0	20.0	2,14.0	1,20.0
Education	15.0	30.0	10.0	10.0	2,59.8	36.8
Medical	31.9	25.0	4.0	5.0	58.9	18.1
Public Health	6.1	50.0	4.0	—	36.0	37.9
Housing	—	—	—	—	55.0	—
Labour and Labour Welfare	—	—	—	—	1.0	—
Amelioration of Backward Classes	—	5.0	—	—	—	—
V. SOCIAL SERVICES (TOTAL)	53.0	1,10.0	18.0	15.0	4,10.7	92.8
GRAND TOTAL	1,57.2	3,89.9	57.1	73.0	7,48.0	4,54.7

The following table shows the development expenditure for Kutch, Manipur, Tripura, Vindhya Pradesh and the total for Part C States.

(Rupees in lakhs).

Head	Kutch	Manipur	Tripura	Vindhya Pradesh	Total for Part C States
Agriculture	60.8	0.8	12.6	2,04.7	5,98.7
Animal Husbandry	3.9	2.5	2.8	12.9	71.6
Dairying and Milk Supply	—	—	—	1.5	7.4
Forests	1.4	3.0	11.3	22.5	1,35.0
Co-operation	3.5	—	1.1	3.0	44.3
Fisheries	1.4	—	—	1.2	8.2
Rural Development	—	—	—	—	0.5
I. AGRICULTURAL AND RURAL DEVELOPMENT (TOTAL)	70.8	6.3	27.8	2,45.8	8,65.7
Irrigation Projects	91.0	—	—	—	1,82.8
Power Projects	23.0	12.0	7.0	50.5	1,68.9
II. MAJOR IRRIGATION AND POWER PROJECTS (TOTAL)	1,14.0	12.0	7.0	50.5	3,51.2
Cottage Industries	3.5	—	5.8	6.0	51.1
Other Industries	—	—	—	—	—
III. INDUSTRY (TOTAL)	3.5	—	5.8	6.0	51.1
Roads	58.3	81.3	1,28.0	1,25.9	6,27.4
Road Transport	—	10.5	—	—	2,38.5
Ports and Harbours	13.4	—	—	—	13.4
IV. TRANSPORT (TOTAL)	71.7	91.8	1,28.0	1,25.9	8,79.3
Education	6.8	17.7	24.0	1,00.0	5,10.1
Medical	26.0	6.0	11.7	36.0	2,22.6
Public Health	10.0	21.0	3.0	60.0	2,29.0
Housing	—	—	—	—	55.0
Labour and Labour Welfare	—	—	—	—	1.0
Amelioration of Backward Classes	2.5	—	—	15.0	22.5
V. SOCIAL SERVICES (TOTAL)	45.3	44.7	38.7	2,11.0	10,39.2
GRAND TOTAL	3,05.3	1,54.8	2,07.3	6,39.2	31,86.5

INDUSTRIAL DEVELOPMENT

The following table gives the estimates of requirements and the sources of finances for investment :—

	Rs. in Crores.		Rs. in Crores.
1. Investment in Public Sector ..	94	1. Invested directly	74
2. Investment in private sector on expansion, etc.	383	2. Foreign investment	100
3. Investment in working capital ..	150	3. Resources of domestic private industry	533
4. Current depreciation not covered by tax allowance	80	a. Savings of corporate enterprises	200
		b. New issues	90
		c. Assistance from public sector	5
		d. Industrial Finance Corporations	20
		e. Refunds of Excess Profits Tax deposits	60
		f. Banks and other sources of short-term finance	158
Total	707		

PUBLIC SECTOR

Investment in the public sector may be broken up as follows :—

	Rs. in Crores.
Projects directly under Central Government	83
Projects under State Governments	11 (includes Central loan 4.8)

There are also projects which involve participation of private capital, the contribution of private capital being about Rs. 20 crores.

	Rs. in lakhs.		Rs. in lakhs.
Central Government		PRIVATE SECTOR	
Iron and Steel Project	30,00.0	Agricultural machinery	1.20
Shipbuilding	14,08.0	Aluminium	9.00
Machine Tool Factory	9,03.8	Automobile manufacturing	3.00
Sindri Fertilizer Factory	9,03.0	Ball and Roller Bearing	5.25
Chittaranjan Locomotive Factory	4,73.0	Cement	15.40
Railway Coach Factory	4,00.0	Cotton Textile	9.00
Penicillin Factory	2,06.6	Fertilizers	2.10
National Instruments Factory	1,82.0	Glass and Glassware	2.20
Indian Telephone Industries	1,30.0	Heavy Chemicals	7.30
Hindustan Cables Ltd.	1,29.7	Iron and Steel	43.00
Mandi Salt Works	1,00.0	Machine Tool (Graded)	50
Rare Earths Factory	54.0	Matches	50
D.D.T. Factory	39.1	Paint and Varnish	50
Existing Salt Works	50.0	Paper and Board	5.35
Housing Factory	11.8	Petroleum Refining	64.00
Other Projects	202.1	Pharmaceuticals	35.00
		Plywood	90
TOTAL	82,53.1	Power Alcohol	1.20
		Railway Rolling Stock	2.50
		Rayon	15.10
		Soap	60
		Sugar	10
		Tanning and Footwear	60
		Textile Machinery	1.50
		Vanaspatti	50
		Vegetable Oil	60
		Woollen Manufactures	50
		Other Industries	38.00
		TOTAL	233.30
State Governments		VILLAGE INDUSTRIES	
Mysore Iron and Steel Works	2,83.0		
U.P. Govt. Cement Factory	2,30.5		
NEPA Mills	2,00.0		
Sirpur Paper Mills	60.0		
U.P. Precision Instruments Factory	50.2		
Bihar Govt. Superphosphates Factory	41.1		
Other Projects	65.0		
TOTAL	11,29.8		
GRAND TOTAL	93,82.9		

Khadi and oil are to be financed by a cess on the mill-made articles.

IRRIGATION

Irrigation—Rs. 168 crores.

Multi-purpose irrigation and power projects—Rs. 266 crores.

Five new projects are to be taken up in the later stages (1954-55) :

Kosi (Stage I)—Rs. 66 lakhs; Koyna (Stage I)—Rs. 33 lakhs; Krishna (scope not defined); Chambal (Stage I)—Rs. 33.7 lakhs; Rihand—Rs. 35 lakhs. Total cost—Rs. 200 crores; sum proposed to be spent during Plan—Rs. 40 crores.

TRANSPORT, COMMUNICATIONS

Total — Rs. 497.10 crores.

For railways, the programme is primarily one of rehabilitation. Provision for new lines over five years is Rs. 20 crores.

For roads, out of a total of Rs. 108 crores, a quarter is to be spent on national highways, the rest on State roads. The provision includes a sum of Rs. 2 crores for the Ganga Bridge to link north and south Bihar. It is estimated 16,000 to 17,000 miles of village roads can be constructed through local effort.

For ports, there is a provision for Rs. 12 crores for Kandla, Rs. 8 crores for port facilities for oil refineries, and Rs. 12 crores as loan to port authorities for rehabilitation and modernization.

For civil aviation, Rs. 9.5 crores for purchase of new aircraft and compensation for existing air companies.

SOCIAL SERVICES AND REHABILITATION

Social Services—Rs. 339.81 crores.

Rehabilitation—Rs. 85 crores.

Assistance to voluntary social welfare organizations—Rs. 4 crores.

Pre-University education (Centre) Rs. 20 crores. Water-supply and drainage (States)—Rs. 39 crores.

150,000 houses for industrial workers (six industries)—Rs. 38.5 crores.

Development of Scheduled Tribes (in addition to Rs. 29 crores) Rs. 9 crores (by way of Central grants).

Community Development Projects Rs. 90 crores

National Extension Service 3

Local Development Works 15

Relief Activities in scarcity areas 15

Rural electrification 27

Out of a total grant of Rs. 15 crores for promoting local development works three crores were provided for 1953-54. Out of this 2.5 crores were distributed as follows :—

Assam Rs. 6.30 lakhs, Bihar Rs. 28.20 lakhs, Bombay Rs. 25.20 lakhs, Madhya Pradesh Rs. 14.90 lakhs, Madras Rs. 40.20 lakhs, Orissa Rs. 10.30 lakhs, Punjab Rs. 8.90 lakhs, Uttar Pradesh Rs. 44.30 lakhs, West Bengal Rs. 17.40 lakhs, Hyderabad Rs. 13.10 lakhs, Mysore Rs. 6.35 lakhs, PEPFU Rs. 2.40 lakhs, Rajasthan Rs. 10.70 lakhs, Saurashtra Rs. 2.90 lakhs, Travancore-Cochin Rs. 6.50 lakhs, Ajmer Rs. 60,000, Bhopal Rs. 60,000, Bilaspur Rs. 10,000, Coorg Rs. 15,000, Delhi Rs. 1.20 lakhs, Himachal Pradesh Rs. 70,000, Kutch Rs. 40,000, Manipur Rs. 40,000, Tripura Rs. 40,000 and Vindhya Pradesh Rs. 2.50 lakhs

The balance of Rs. 50 lakhs was reserved for grants to be made by the Ministry of Finance on the advice of the Planning Commission.

Out of the Local Development Works grant for 1953-54 Rs. 20 lakhs were allotted for student voluntary works and the running of youth camps.

SOME EXPECTED RESULTS

National income 1950-51—Rs. 9,000 crores.

National income at end of Plan—Rs. 10,000 crores.

Increase in national income—11 per cent.

Additional salaries and wages (1955-56)—Rs. 134 crores.

The estimates of net output in 1955-56 in rupees hundred crores on the basis of 1948-49 prices is given below :

	1948-49	1955-56
Agriculture—		
1. Agriculture, animal husbandry and ancillary activities	40.7	47.9
2. Forestry	0.6	0.6
3. Fishery	0.2	0.3
	41.5	48.8

Mining, Manufacturing and Hand-trades—

4. Mining	0.6	0.8
5. Factory Establishment	5.0	6.8
6. Small enterprises	9.4	10.6
	15.0	18.2

Commerce, Transport and Communications—

7. Communications (Posts, telegraphs & telephones) ..	0.3	0.4
8. Railways	1.8	2.3
9. Organized Banking and Insurance	0.5	0.6
10. Other Commerce and Transport	14.4	15.4
	17.0	18.7

Other Services—

11. Professions and liberal arts ..	1048-49	1955-56
12. Government services (administration) ..	3.2	3.4
13. Domestic service ..	4.6	5.1
14. House Property ..	1.5	1.5
	4.5	4.8
	13.8	14.7

Net Domestic Product	87.3	100.4
Net Earned Income from Abroad	—0.2	—0.4

NATIONAL INCOME ..	87.1	100.0
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A review of the progress of the Plan during the two years 1951-53 was presented to Parliament by the Minister for Plannings, Irrigation and Power in May 1953. The more important points of the review are given below :

The total expenditure on the Plan during the first two years amounted to Rs. 585 crores, as against the planned outlay for the entire period, of Rs. 2,069 crores. Thus over 70 per cent of the expenditure was to be incurred during the remaining three years. During the period, the Central assistance to the State Governments amounted to Rs. 71.7 crores.

Industrial production went up by about 15 to 20 per cent over the level of 1950-51. The industries which recorded an increase in production were cotton textiles, cement, iron and steel, paper and paper board, sewing machines, bicycles, rayon and jute goods.

Additional area irrigated by major projects, 1.42 million acres; New power generated 315,000 kW.

Increase in the production of agricultural crops since 1951 was—jute 14 lakhs bales; cotton 3.0 lakh bales; sugarcane 0.3 million tons, and food grains 1.15 million tons. Agricultural acreage has increased by six million acres.

Fifty-eight locomotives were produced at the Chittaranjan Works, where as from January 1953, 70 per cent of the component parts of locomotives were being produced.

Railway coaches manufactured in 1951-52 numbered 643. Between April 1951 and December 1952, 8,000 railway wagons were also manufactured.

Additional coastal shipping tonnage of 77,000 tons was acquired and six ships were built at the Vishakapatnam shipyard.

An aggregate length of 380 miles of national highways and strategic roads was constructed and 1,050 miles of existing roads were improved. Seven large bridges were constructed.

Important State Industries which went into production were the Sindri Fertiliser Factory, the Chittaranjan Locomotive Works, the Indian Telephone Factory, the Indian Rare Earths Ltd, the new mint at Alipore, the Machine Tool Prototype Factory and the Ambernath (Defence Industry) Factory.

Fifty-five community projects were started in October 1952, and a comprehensive national extension service scheme, covering 120,000 villages was also formulated.

SPECIAL GRANT FOR EMPLOYMENT

In October 1953 it was decided to increase the expenditure on the Five-Year Plan by Rs. 175 crores for financing new specific schemes, which will simultaneously expand employment potential and check growing unemployment in the country.

It was also decided that the programme of rehabilitation of displaced persons should be extended to the full planning period instead of ending it in 1953-54.

The Deputy Chairman of the Planning Commission, Mr. V. T. Krishnamachari, who addressed the Council before it adjourned, urged the States to tap all possible sources for raising additional funds, including betterment levies, enhancement of water rates and floating of loans for accelerating economic development.

Positive action towards relieving unemployment was to be taken on the following lines :

1. Establishment of Industrial Finance Corporations in States; 2. Central assistance to States for initiating schemes to end chronic scarcity; 3. Grants for road-building activities and execution of small power projects; and 4. Expansion of technical training facilities.

A communication was sent to the States indicating clearly the nature of the schemes which would be considered eligible for inclusion under the expanded programme. These schemes were to be strictly related to the Plan and were also to be capable of producing results within the planning period.

The break-up of this investment was : Rs. 45 crores for extending the rehabilitation programme for the remaining period of the Plan under which refugee townships would be developed;

Rs. 10 crores for a road programme and Rs. 15 crores for port, health, education and housing schemes.

The road programme was initiated while the housing scheme was already under way.

The additional investments totalled Rs. 70 crores.

In respect of States, new schemes to introduce permanent improvements in scarcity areas in 12 States and to raise the purchasing power of the people in these areas would cost Rs. 35 crores.

For these purposes, the Centre was to give the States 30-year loan of Rs. 40 crores bearing no interest for the first five years.

Other items are : Rs. 5 crores for setting up State Finance Corporations and assistance to small-scale and cottage industries; Rs. 2.5 crores for installing thermal power sets in small towns.

CENTRAL ASSISTANCE IN THREE YEARS

The Central Government, in the first three years of the Five-Year Plan period, gave assistance to the States to the extent of Rs. 27.61 crores in the shape of grants and Rs. 250 crores by way of loans for the execution of the Plan.

Grants were divided into seven categories.

They are : food production, community projects, basic and social education, cottage and small-scale industries, assistance under Article 275 (1) of the Constitution, natural calamities and special development grants for Part "B" States.

The amount paid to Part "A" States on this account was Rs. 1,030 lakhs, Rs. 118 lakhs, Rs. 4 lakhs, Rs. 7 lakhs, Rs. 539 lakhs and Rs. 280 lakhs, respectively making up a total of Rs. 1,980 lakhs.

A sum of Rs. 780 lakhs was distributed as grants to Part "B" States under the same seven categories of assistance.

So far as assistance from the Centre to deal with natural calamities was concerned, Assam received Rs. 49 lakhs, Bihar Rs. 111 lakhs, Madras Rs. 72 lakhs, West Bengal Rs. 40 lakhs and Saurashtra Rs. 30 lakhs.

A large portion of the Central loans to States amounting to Rs. 250 crores was for river valley projects.

Part "A" States received loans aggregating Rs. 213 crores, of which river valley projects accounted for Rs. 114 crores and Rs. 42 crores went for development schemes.

Further, Rs. 29 crores were given for rehabilitation purposes, Rs. 22 crores for minor irrigation, Rs. 2 crores for industrial housing, Rs. 48 lakhs for community projects and Rs. 2 crores for natural calamities.

Part "B" States received an aggregate loan of Rs. 37 crores.

Punjab, where the Bhakra Nangal project is in execution, was the largest recipient of Central

loans, amounting to Rs. 62 crores (Rs. 54 crores for river valley works).

West Bengal, with the D.V.C., came next, receiving a loan of Rs. 48 crores and Orissa with the Hirakud Project received Rs. 31 crores.

The total revenue receipts in Part "A" States were in 1951-52 Rs. 315.6 crores, in 1952-53 Rs. 336.96 crores and in 1953-54 Rs. 350.5 crores.

So far as Part "B" States are concerned, the aggregate revenue was Rs. 106.70 crores, Rs. 110.91 crores and Rs. 115.29 crores, respectively.

In the three years of the Plan period the total State revenue receipts were Rs. 1,335 crores.

While direct Central assistance loan and grants amounted to Rs. 300 crores, according to the Schedule, the resources expected to be raised by the States fell short of the targets.

PROJECTS UNDER FIVE-YEAR PLAN*

THE following is a list of the projects under the Five-Year Plan given State-wise. The first figure in brackets gives the total cost in lakhs of rupees; and the second figure the investment under the Plan in lakhs of rupees.

CENTRAL GOVERNMENT (284.27; 173.82)

Bhakra-Nangal (182.90); Harike (13.80); Damodar Valley (74.98); Hirakud Dam (62.59); Investigations (2.88).

The five-year investment is as follows: Bhakra—77.50; Harike—10.62; Damodar—41.70; Hirakud—44.00.

ASSAM (2.85; 2.83)

Navigation, embankment, drainage (1.00; 1.00); Protection of Dibrugarh (1.00; 1.00); Umfrui Hydro-Electric (85; 83).

BIHAR (25.34; 16.82)

The following are the irrigation projects:—Three hundred tube-wells in north Bihar (1.83; 1.74); Tube-wells in south Bihar (1.48; 85); Drainage, flood protection (3.75; 1.18); Sakri Lower Valley (35; 10); Tribeni Canal Extension (28; 23); Emergency Pumping (93; 93); Three hundred tube-wells in sugar factory areas (1.61; 1.61); Sakri Upper Valley Irrigation (93; 53); Further 200 tube-wells in south Bihar (98; 98); Irrigation dams and wells in hilly districts (2.00; 1.68).

The following are the power projects:—P.B.B. N.B. Emergency Tube-wells Scheme (84; 61); Dehri-Sasaram lift irrigation and electrification (67; 64); Gaya electric supply (80; 64); Hazaribagh electric supply (33; 28); Kodarma and Mica Mines electrification (46; 45); Coal-mines area electrification (3.97; 1.50); Taking over of derelict electric supply (33; 18); Girdih electric supply (—; 18); Girdih-Madhopur-Jasidih electric supply (27; 27); North Bihar tube-wells and electrification (1.77; 1.71); Buxar tube-wells and electrification (47; 27); Thermal power station in north Bihar (1.10; 46).

BOMBAY (39.77; 33.12)

The following are irrigation schemes:—Gangapur Storage (3.34; 2.34); Ghataprabha Left Bank Canal (6.45; 4.45); Mahi Right Bank Canal (4.25; 4.01); Ranand Tank (22; 19); Kolchi Weir (11; 7); Lower Tapi Valley, Stage I (12.16; 11.51). Revised estimates for Rs. 29.11 lakhs are under examination.

The following are power schemes:—Radhanagari Hydro-Electric (2.07; 85); Kolhapur emergency irrigation and city conversion (29; 17); Jog distribution (2.13; 2.13); Chola Power Station (2.95; 2.67); North Gujarat Electric Grid (2.51; 1.61); South Gujarat Electric Grid (3.21; 2.30); Electrification of towns, villages (96; 70).

MADHYA PRADESH (17.53; 9.08)

The following are irrigation schemes:—Aree tank in (hindwara (32; 18); Gangalpara (30; 30); Bargoor (22; 22); Gondli (75; 65); Dudhwa (1.50; 1.13); Sanpna (30; 30); Dukrikhera (30; 30).

The following are power schemes:—Central Thermal Station at Nagpur (4.85; 96); Distribution (36; 35); Akola Power Distribution (3.71; 214); Gondia extension (33; 26); Northern Grid, Jabalpur-Katni (55; 41); Ralpur Pilot Station (64; 32); Power Station, Ballarpur (2.00; 1.34); Fench Valley Scheme (55; Others (65; 18).

MADRAS (127.41; 84.32)

The following are irrigation schemes:—Lower Bhavani (9.61; 4.94); Malampuzha Reservoir (3.80; 3.02); Mettur Canal (2.45; 2.27); Ralla-

pad, 2nd stage (58; 50); Pomperu Drain (96; 41); Caveri Delta Drainage (30; 2); Manimuthar Project (8.98; 3.92); Upper Pennar Project (84; 84); Bhiravani Project (1.02; 102); Araniar Scheme (95; 95); Walayar Scheme (1.00; 100); Mangalam Reservoir (45; 45); New G. M. F. Scheme in charge of P.W.D. (4.04; 3.85); Tungabhadra (19.70; 11.40).

The following are power schemes:—Moyar Hydro-Electric Scheme (4.64; 1.41); Pykara, 3rd stage extensions (4.89; 2.08); Papanasam, 2nd stage extensions (3.36; 1.99); Machkhund Hydel Scheme (6.82; 4.32); Machkhund Transmission Lines (8.03; 4.55); Madras Plant Extensions (10.43; 7.71); Nellore Thermal Scheme (1.01; 41); Madras Mettur Interconnection (2.18; 95); Transmission line and distribution (23.93; 17.39); Tungabhadra Hydel Scheme (7.94; 6.43); Acquisition of electrical undertakings (4.50; 3.00).

ORISSA (12.76; 6.91)

The following are irrigation schemes:—Minor Irrigation (4.02; 3.00).

The following are power schemes:—Daduma Transmission Scheme (2.64; 81); Rural Electrification Scheme (50; 1.90); Others (91; 43); Daduma Hydro-electric (Orissa's share) (3.26; 1.84); Hirakud Power Utilization Scheme, 1st stage (1.43; 64).

PUNJAB (4.91; 3.64)

The following are irrigation schemes:—Dera Babanank Tube-well Scheme (12; 12); Aliwala Tube-well Scheme (10; 10); Extension of irrigation to arid areas of Jandiala and Gurdaspur Division of U.B.D.C. from main line (15; 15); Excavation of new distributary of Kasur Branch (24; 17); Kiran Nallah (16; 14); Raising banks of channels and giving temporary shoots during Kharif (1.15; 89); Jagadhari Tube-well Scheme (1.33; 88); Other schemes (1.07; 81).

The following are power schemes:—Jagadhari Tube-wells Scheme (59; 38).

UTTAR PRADESH (78.74; 33.21)

The following are the irrigation schemes:—600 State tube-wells in Western Districts (1.80; 83); 50 additional tube-wells in T. W. Circle (B) (17; 10); 200 additional tube-wells in T. W. Circle (W) (71; 58); 100 State tube-wells in Gorakhpur, Basti and Deoria Districts (30; 12); Extension of pucca lining on tube-well guls (1.91; 1.54); 440 State tube-wells in the Districts of Shahjehanpur, Sitapur, etc. (2.30; 2.05); 803 miles of extension of Sarda canal (49; 11); 1,062 miles of extension of Sarda canal (90; 52); Pratapgarh Branch (50; 37); Trans-Kalyani project (60; 50); Sapra Dam (71; 26); Belan and Tans canals (1.93; 1.83); Kabral lake (19; 14); Construction of 5,293 State tube-wells (26.49; 5.00); Lining, irrigation channels, guls and canals (90; 20); Reservoirs and Bundhis and canal systems including Majhagawar in southern Uttar Pradesh (7.33; 500); Contour guls and small channels in Hill Districts (90; 27); Other schemes (1.31; 22).

The following are the power schemes:—Mohammadpur Station (1.30; 31); Sarda Power House (6.74; 3.43); Pathri Power House (2.59; 2.31); Gorakhpur Power House (48; 16); Ganga Transmission lines (1.00; 76); Sarda Transmission lines (4.37; 3.22); Eastern Area Power Station (4.67; 1.66); Kanpur Electric Supply administration (7.41; 1.97); Small Hydel schemes in Hill Districts (60; 20); Sohawal Power House (24; 8).

WEST BENGAL (28.74; 16.13)

The following are the irrigation schemes:—Mayurakshi (15.50; 12.44); Suvankar Danra (13; 10); Sonarpur-Arrah (1.05; 1.05); Bagjale

Ghuni Jantagaohi (99; 99); other schemes (1.74; 80).

The following are the power schemes:—North Calcutta rural electrification scheme (1.08; 61); Appointment of Power Engineer Scheme (16; 10); other schemes (9; 5).

HYDERABAD (40.97; 28.00)

The following are the irrigation schemes:—Tungabhadra (23.04; 17.09); Rajollubunda (4.30; 3.14); Godavari First Phase (4.41; 3.59); Kollisagar (67; 47); Sarlasagar (21; 15); Bendsura (54; 80); Khassapur (32; 31); Minor Irrigation (70; 70); Bhimanapally (8; 61).

The following are the power schemes:—Nizamsgar Hydro-Electric Project (1.75; 59); Tungabhadra Hydel (1st phase—Civil Works) (50; 48); Ramgundam Thermal (3.56; 2.14).

JAMMU AND KASHMIR (4.97; 3.61)

The following are the irrigation schemes:—Sindh Valley Irrigation (78; 68); Land Reclamation Works (25; 14); Other Schemes (37; 35); Remodelling Partap Canal (40; 20); Vishow Canal (25; 25); Ferozepur Nallah (14; 4); Kharbutang Canal (12; 9); Extension of Zamugur Canal (12; 2); Remodelling of Lar and Dabb Kulis and Sindh River (13; 4); Mawar Canal (11; 6); Doda Canal (10; 3); Romuahi Canal (10; 10); Narvaw Canal (10; 4); Other schemes (13; 7).

The following are the power schemes:—Sindh Hydro-electric project (1st stage) (1.08; 93); Transmission line to Jammu from Jogindernagar (28; 26); Transmission and distribution to Kandl area (37; 18); Other schemes (18; 18).

MADHYA BHARAT (6.13; 5.56)

The following are the irrigation schemes:—Mola, Jaswara and Bashkari dam (44; 44); Burad (80; 80); Minor irrigation works (2.15; 2.04).

The following are the power schemes:—Central Power House at Indore, Installation of 3,000 kW reconditioned plant at Indore, H. T. from Indore and remodelling lines at Ujjain (1.76; 1.41); Extension of power plant and remodelling of mains at Gwalior (55; 48); Rural electrification (17; 17); Others (26; 22).

MYSORE (47.36; 19.84)

The following are the irrigation schemes:—Constructing a Reservoir across the Bhadra River near Lakkavalli (20.00; 1.80); Anicut across Tunga River near Sakrebyle (2.00; 1.49); Reservoir across Nugu River (2.20; 1.00); New tank across Junigehalla (21; 12); Normal expenditure of Krishnarajasagar and allied works in Visweswarayya Canal area (50; 50); Reservoir across Salur Halla at Ambilgola (18; 16); New tank across Suvarnamukhi River at Kariyala (20; 20); Other schemes (1.78; 93).

The following are the power schemes:—Normal Capital Works (3.20; 3.20); Mahatma Gandhi Hydro-Electric Works (6.33; 83); Frequency Conversion (30; 30); Shtimaha Extension (8.20; 3.11); Extension of transmission lines (1.68; 1.63); Installation of Steppdown Station (1.16; 1.16); Distribution (2.02; 2.02); Power supply to irrigation pumping sets (40; 40); Others (survey of projects) (3; 3).

PEPSU (2.36; 64)

The following are the irrigation schemes:—Remodelling of canals (16; 14); Others (2; 20).

The following are the power schemes:—Electrification of Pepsu towns (2.00; 30).

* The investment does not necessarily meet the total cost. Nor does it follow that the projects listed below will be completed before the end of the plan period.

Also, Madras includes Andhra.

RAJASTHAN (11,24; 5,45)

The following are the irrigation projects:—Jawal Project (3,23; 2,03); Parbati Irrigation Project (50; 50); Gudha Irrigation Project (34; 34); Kail Sill Project (16; 10); Other projects (8; 2,00).

The following are the power projects:—Power project (53; 41).

SAURASHTRA (13,64; 6,98)

The following are the irrigation schemes:—Ranghola (62; 28); Machu (1,25; 43); Brahmani (1,00; 85); Sashol (70; 53); Ghee (23; 15); Funa (16; 13); Surajwadi (29; 18); Moji (61; 78); Bhimad (23; 28); Malan (42; 38); Aji (80; 58); Bhogavo (50; 80); Ozat (90; 10); Shetrunji and Bhadar (3,00; 1); Lift irrigation (6; 6).

The following are the power projects:—Establishment of thermal stations (2,62).

TRAVANCORE-COCHIN (23,20; 15,13)

The following are the irrigation schemes:—Peechi (1,73; 1,10); Chalakudy (1,20; 98); Perunchani (68; 23); Wadakkancheri (49; 44); Vembanad (80; 80); Neyyar Scheme (1,20; 1,20).

The following are the power schemes:—Pallivasal, 2nd stage (2,30; 1,90); Bengulam Hydel (3,25; 1,85); Poringalkuthu Left Bank (260; 1,35); Transmission and Distribution (9,55; 5,55).

PART 'C' STATES

AJMER: Irrigation Schemes (11; 11).

BHOPAL: Bhopal Electric Power Extension Scheme (23; 23).

COORG: Bulk Purchase of Power from Mysore (35; 35).

KUTCH: Major irrigation works including wells (91; 91); Power Project, Acquisition of Electricity Undertakings (11; 11); Rural Electrification (12; 12). Total: (114; 114).

MANIPUR: Hydro-electric scheme (12; 12).

TRIPURA: Nationalisation of Electric Supply Company, Agartala (7; 7).

VINDHYA PRADESH: Power project (51; 51).

HIMACHAL PRADESH: Medium irrigation projects (80; 80); Power-installation of Hydel Plants in Mandi, Chamba and Mahasu and extension of electricity from Mandi to Sundarnagar (13; 13). Total: (93; 93).

COMMUNITY DEVELOPMENT PROJECTS

It is proposed that during the Plan period 1951-56 the Community Development Projects (also called the National Extension Service) should cover one-fourth of the country's villages.

This means the initiation of work on 1,200 Community Development Blocks.

Each Block would comprise 100 villages, covering about 160 sq. miles, a cultivated area of about 50,000 acres and a population of about 66,000.

Work on 55 projects (each is about four and a half times the size of a Block) started on Oct. 2, 1952. They covered about 1,600 villages with a total population of 12 millions and a land area of 15 million acres. (For list and location see below.)

In December 1952 a supplement to the first operational agreement was signed, whereby 55 new Development Blocks were to be started. (For list and location see below.)

The two together are regarded as being equivalent to about 300 Development Blocks.

The estimated expenditure on each Block is Rs 45 lakhs.

The programme for the rest of the National Extension Service (900 Blocks) will be as follows:

1953-54—180
1954-55—270
1955-56—450

It is proposed that out of these 900 Blocks 400 should be selected for intensive development on the lines of the Community Projects. The programme proposed is as follows:

1954-55—150
1955-56—250

It is estimated that there would be about four Blocks in each district in a State out of which one or more would be selected for intensive development.

Generally speaking, a project is to be completed in three years, the period being broken into five stages: conception, three months; initiation, six months; operation, 18 months; consolidation, 6 months; and finalization, 3 months.

The majority of the development Blocks are under the Community Projects Administration (CPA), the rest of the Blocks and the training centres for the staff are under the Ministry of Food and Agriculture.

COST

Total cost of programme—Rs. 156.2 crores.

Share of Centre—Rs. 107.2 crores.

Share of States—Rs. 27.0 crores.

Loan for short-term credit—Rs. 27.0 crores.

Total cost during Plan period—Rs. 101.6 crores.

Share of Centre during Plan period—Rs. 78.3 crores.

Share of States during Plan period—Rs. 18.0 crores.

Loans for short-term credit—Rs. 15.3 crores.

Recurring expenditure—Rs. 21.7 crores.
Non-recurring expenditure—Rs. 21 crores.

Cost of single Development Block for 3 years—Rs. 7.5 lakhs.

Share of Centre—Rs. 3.25 lakhs.

Share of State—Rs. 1.25 lakhs.

Short term loans—Rs. 3 lakhs.

Cost of single Intensive Development Block for 3 years—Rs. 15 lakhs.

Share of Centre—Rs. 12.07 lakhs.

Share of State—Rs. 2.93 lakhs.

Allotment under Five-Year Plan—Rs. 90 crores.

American contribution under Technical Co-operation Programme (1952 and 1953)—\$10,598,000.

American contribution (Ford Foundation) for 1952 and 1953—\$3,023,000.

(For more details about costs see below.)

TYPES OF PROJECT

Development projects will be of three main types. First of all, there are envisaged the so-called "basic" community development projects, consisting of 300 villages and some 200,000 villagers, in which the primary emphasis will be on raising agricultural production, with some work on public health and sanitation, education and road building. The smaller basic development "blocks" consisting of 100 villages will have exactly the same programme and the same emphasis on agricultural improvement.

All except 8 Development Blocks in West Bengal are of this type.

Second, there are to be the so-called "composite" development projects and blocks, in which emphasis will be on development of small industries, as well as on agricultural production. The industry phase of these "composites," it is proposed, will be patterned after the industry-development project in Nilokheri and Faridabad.

There are 8 blocks of this type, all in West Bengal.

The third main type of project is a training centre for instructing village workers. Each of these centres would be located either in or nearby rural development areas to permit the students practical on-the-job training in the villages.

Substantially the proposed programme aims at these objectives in each village: two surface wells or other facility per village to assure a safe, clean drinking water supply; tube-wells for irrigation in those areas where tube-wells can be sunk (approximately a tenth of the proposed projects are in tube-well areas); in other areas, assistance to canal, tank and well construction for irrigation purposes, with the proposal that at least half the land in each village be given improved irrigation; reclamation of culturable waste land where feasible; sanitary services plus improvement of village drainage as a sanitation measure; improvement of roads to link village to village; and facilities for primary and adult education.

Included in the plans for each project and block is the development of a "Mandi" unit for each 15 to 25 villages where one does not already exist. Under present proposals, this Mandi unit would have a dispensary and health centre reaching out to the villagers through mobile units and serviced by a health visitor, midwives and the sanitary inspector. It would also have a transport and tractor servicing centre, a centre for marketing and shopping, a storage godown for agricultural produce and veterinary centre.

FORD FOUNDATION

The second part of India's over-all community development programme is that which is to be supervised by the Ministry of Food and Agriculture, with financial aid from the Ford Foundation. This programme was put under way many months earlier than that of the Community Projects Administration.

Part of this programme is the setting up of 15 community development projects, which though smaller (only 100 villages each) propose exactly the same objectives and general programme for agricultural development as those under the Community Projects Administration. Plans and budgets have now been approved for fourteen of these projects.

Experience at various successful agricultural projects carried on in India over a period of time have led to estimates that in four years a community development programme following these general lines can bring about an increase in food production of roughly 50 per cent in each area. In addition there can be an increase in cash income per village of some 35 per cent.

The second part of this programme is the establishment of training centres for village workers and project supervisors—the critical core of the whole community development programme of both the Planning Commission and the Food Ministry. For each of the large 300-village projects will need a staff of 103 Indian village workers and 23 Indian specialists in agricultural work, public health and education. The smaller 100-village "blocks" will each require about a third of that number. This means that a total of roughly 7,600 trained workers must be developed in India as rapidly as possible.

For the Basic Community Development Project, Basic Development Blocks and Composite Blocks financial aid will come from the Indo-American Development Fund, while for the Development Projects, Training-cum-Development Projects and Training Centres financial aid will come from the Ford Foundation.

The former group will be supervised by the Government of India Community Projects Administration, and the latter by the Ministry of Food and Agriculture.

NATIONAL EXTENSION ORGANIZATION

It is estimated that about 84,000 persons will be needed to put the Community Development Projects through.

The administrative structure is somewhat like this:

At the very top in Delhi is the Community Projects Administration itself under the Planning Commission which is called the Central Committee for this purpose.

The Committee is assisted by an Advisory Board consisting of the Secretaries of the Central Ministries of Food and Agriculture, Health, Education, the Additional Secretary to the Ministry of Natural Resources and Scientific Research and the Government of India's nominee on the Indo-U.S. Technical Fund.

The executive head is designated Administrator of Community Projects, and his office is designated Community Projects Administration. It consists of a small secretariat staff and a number of technical experts. The C.P.A. is assisted by a team of advisers drawn from the various Central Ministries.

In each of the States there is a State Development Committee consisting of the Chief Minister and Ministers in charge of the development departments, for laying down general principles.

There is a Development Commissioner who acts as secretary of the Committee. He is the leader of a team consisting of the heads of the development departments or secretaries to Government in those departments. In some States the Chief Secretary himself may be the

Development Commissioner. In others States it may be someone else with the rank of an Additional Chief Secretary. In any case his rank is never below that of a Secretary to Government.

At the District level there is a District Development or Planning Committee. This Committee will consist among others of the district heads of the development departments and Chairman and Vice-Chairman of the District Board.

The Collector of the District will be the Chairman of this Committee, and the District Development officer (also called Extension or Planning Officer) will be the secretary.

At the sub-divisional level the Revenue Divisional officer may act as the Extension or Development officer or there may be an assistant to him who will be entrusted with the work of an Extension Officer.

The core of the whole organization is the multi-purpose village worker (Gram Sevak) who is directly in touch with the villager and instructs, guides and educates him in his day to day work, and the technical supervisor whose duty is to supervise the work of a group of the village level workers.

A multi-purpose village worker will generally be in charge of about 10 villages.

The agency in the village through which much of the administration will be carried on such as distribution of improved seeds will be the village panchayat.

In each project area there will be seven Social Education Organizers, three of whom will generally be women. Of these seven one will be the Chief Education organizer.

The trained technical personnel includes besides, of course, the village level workers and social education organizers the following categories: agricultural extension supervisors, veterinary doctors, co-operative and panchayat officers, school teachers, doctors, compounders, sanitary inspectors, lady health visitors, midwives, engineers, overseers, mechanics.

The existing staff of the various development departments will be absorbed in the N.E.S. organization. Thus it can be assumed that about one-fourth of the staff required already exists in the area.

Thirty-four centres for training multi-purpose village workers and technical supervisors will be set up. Of these 31 were already in working order at the time of writing (Nov. 1953). At these centres 1,430 village workers were under training, and 1,299 had already been trained and sent out. Of the supervisory personnel 199 were under training, and 260 had been trained and sent out.

Five centres for training social education organizers were started on April 1, 1953. These centres are situated at Nilokheri, Hyderabad, Gandhigram, Shantiniketan and Allahabad. Of these the centre at Allahabad will train Chief Social Education Organizers. The training period will be six months.

The centre at Nilokheri is administered directly by the C.P.A., while the others are run under the auspices of established institutions.

The expenses of training the education organizers are shared among the Government of India, the T.C.A. and the Ford Foundation.

The following voluntary organizations engaged in rural uplift (outside the N.E.S. organization) may be mentioned: Bharat Sewak Samaj, Bharatiya Adimjati Sevak Sangh, Gandhi Smarak Nidhi, Kasturba Gandhi National Memorial Trust.

Andhra: Kamaravolu Ashram (Krishna Dist.), Gram Seva Mandiram (Anantapur Dist.).

Bombay: Jana Seva Sangh.

Bihar: Adimjati Seva Mandal (Ranchi), Santal Paharia Seva Mandal (Deoghar), Bihar Harijan Sevak Sangh (Patna).

Madhya Pradesh: Friends Rural Centre (Rasania).

Madras: Gandhigram and Ambathural (Madurai), Gandhi Ashramam (South Arcot).

Mysore: Bharat Scouts and Guides, Bharat Seva Dal, Adult Literacy Council.

Punjab: Janta Sundhar Co-operative Society (Sonapat).

Rajasthan: Rajasthan Sewa Sangh (Dungapur), Spree Soman Rural Uplift Centre (Jodhpur).

Travancore-Cochin: Y.M.C.A. (Narthandam).

West Bengal: Calcutta University Institute.

BUDGET DETAILS

Some details about the major items about cost given above are as follows:—

Development Block:—

Cost of staff—Rs. 33,000 per annum.

Salary of Block Development officer Rs. 250-400 p.m.

Salary of Social Education organizer " 125 p.m.

Overseer with public health bias " 250 "

STAFF REQUIREMENTS

CATEGORY.	Community Projects Blocks (620) equivalent to 693.		National Extension Service Blocks (500).		TOTAL.
	Per Block.	Total.	Per Block.	Total.	
ADMINISTRATION:					
Project Executive Officer	1	620	1	500	1,120
Ministerial staff including drivers..	15	9,300	6	3,000	12,300
AGRICULTURE:					
Agricultural Graduates	1	620	1	500	1,120
Multipurpose Village-level Workers	12	7,440	10	5,000	12,440
ANIMAL HUSBANDRY:					
Veterinary Doctor	1	620	1	500	1,120
Stockman	2	1,240	..	..	1,240
Messengers	2	1,240	..	..	1,240
CO-OPERATION:					
Co-operative Inspector	1	620	1	500	1,120
EDUCATION:					
School Teachers	62	38,440	..	..	38,440
SOCIAL EDUCATION:					
Graduate of Social Sciences ..	1/3	207	..	..	207
Social Education Organisers ..	2	1,240	2	1,000	2,240
MEDICAL:					
Doctors	1	620	..	..	620
Compounders	1	620	..	..	620
Sanitary Inspector	1	620	..	..	620
Lady Health Visitor	1	620	..	..	620
Midwives	4	2,480	..	..	2,480
Sweepers	2	1,240	..	..	1,240
WORKS:					
Engineers	1/3	207	..	..	207
Overseers	2	1,240	1	500	1,740
ARTS & CRAFTS:					
Supervisors	2	1,240	..	..	1,240
Mechanics	3	1,860	..	..	1,860
Total		72,334		11,500	83,834

Transport, office equipment, building, stores .. Rs. 50,000 for 3 years	Share of States Rs. 1.25 lakhs	Dispensary (recurring) .. Rs. 0.10 lakhs
Local works Rs.1,50,000 "	Short-term loans* 3.0 "	Dispensary (building) .. " 0.10 "
Social education 25,000 "	* Short term loans are to be provided through the Reserve Bank, Co-operative Societies and State Governments.	Dispensary (equipment) .. " 0.10 "
Grants-in-aid to local institutions 25,000 "		Drinking water " 0.50 "
Loan for minor irrigation works Rs.1,00,000 "	Intensive Development Block :-	Drainage and sanitation " 0.25 "
Loan for short term credit Rs.3,00,000 "	Total cost for 3 years Rs. 15.0 lakhs	Education " 1.50 "
Total cost (Includes items not shown above) Rs. 7.5 lakhs	Personnel 2.0 "	Social education " 0.50 "
Recurring expenditure 1.5 "	Transport, office equipment 0.23 "	Communications " 0.25 "
Non-recurring expenditure 2.0 "	Tractors 0.24 "	Rural arts and crafts " 1.25 "
Loan 4.0 "	Demonstration equipment 0.10 "	Housing (staff and rural housing) " 1.10 "
Share of Central Govt. (50 per cent of recurring and 75 per cent of non-recurring plus loans other than short-term) .. 3.2 "	Extension sub-quarters 0.09 "	Indian contribution " 13.6 "
	Repair service centre 0.05 "	American " 1.4 "
	Marketing centre 0.10 "	Recurring expenditure " 4.23 "
	Key village scheme 0.20 "	Non-recurring expenditure " 10.77 "
	Irrigation 5.00 "	Loans " 7.49 "
	Reclamation 0.25 "	Share of Centre (75 per cent of non-recurring, 50 per cent of recurring plus loans) " 12.07 "
		Share of State Government " 2.93 "

STATE-WISE DISTRIBUTION OF PROJECTS

An Operational Agreement signed in May 1952 provided for the starting of 55 projects.

The total cost over three years is estimated at Rs. 7.95 crores.

The distribution and location of these projects is given in the following table :

Assam**COMMUNITY PROJECTS ADMINISTRATION.**

1. Project - Cachar District.
2. Project - Darrang District.
3. Block—tribal area.
4. Block—tribal area.
5. Block—North-east Frontier Agency.

FOOD MINISTRY.

6. Project—Kamrup District.
7. Training centre

Bihar**COMMUNITY PROJECTS ADMINISTRATION.**

1. Project—Darbhanga -Monghyr Districts.
2. Project—Shahabad District.
3. Project—Ranchi District.
4. Project—Patna District.
5. Block—Santhal Parganas District.

FOOD MINISTRY.

6. Project—Patna District.
7. Two Training centres.

Bombay**COMMUNITY PROJECTS ADMINISTRATION.**

1. Project—Mehsana District.
2. Project—Kolhapur District.
3. Project—Thana-Kolaba Districts.
4. Project—Belgaum District.
5. Block—Sabarkantha District.

FOOD MINISTRY.

6. Project with training centre—Anand.
7. Two Training centres.

Madhya Pradesh**COMMUNITY PROJECTS ADMINISTRATION.**

1. Project—Raipur District.
2. Project—Hoshangabad District.
3. Project—Amraoti District.
4. Project—in area merged in Madhya Pradesh.

FOOD MINISTRY.

6. Project with training centre—Chanda District.
7. Training centre.

Madras**COMMUNITY PROJECTS ADMINISTRATION.**

1. Project—Kurnool-Cuddapah Districts†.
2. Project—Coimbatore District.
3. Project—Malabar District.
4. Project—East Godavari District†.
5. Project—South Kanara District.
6. Project—Madurai District.

FOOD MINISTRY.

7. Three Training centres.

Orissa**COMMUNITY PROJECTS ADMINISTRATION.**

1. Project—Kalahandi District.
2. Project—Cuttack District.
3. Project—Ganjam District.

FOOD MINISTRY.

4. Project - Bolangir District.
5. Training centre

Punjab**COMMUNITY PROJECTS ADMINISTRATION.**

1. Project—Gurdaspur District.
2. Project—Ambala District.
3. Project—Jullundur District.
4. Block—Nilokheri.
5. Two Blocks—Fatehbad.

FOOD MINISTRY.

6. Two Training centres.

Uttar Pradesh**COMMUNITY PROJECTS ADMINISTRATION.**

1. Project—Gorakhpur District.
2. Project—Azamgarh District.
3. Project—Faizabad District.
4. Project—Mainpuri District.
5. Project—Jhansi District.
6. Project—Almora District.

FOOD MINISTRY.

7. Project with training centre—Lucknow District.
8. Two Training centres.

West Bengal**COMMUNITY PROJECTS ADMINISTRATION.**

1. Block (composite)—Birbhum District, Sadar Sub-division.
2. Block (composite)—Birbhum District, Sadar Sub-division.
3. Block (composite)—Birbhum District, Rampurhat, Sub-division.
4. Block (composite)—Burdwan District, Burdwan-Sadar-Katwa.
5. Block (composite)—Burdwan-Sadar.
6. Block (composite)—24 Parganas District, Sadar Sub-division.
7. Block (composite)—Midnapore District, Sadar Sub-division.
8. Block (composite)—Nadia District, Sadar Sub-division (Kulia).

FOOD MINISTRY.

9. Project with training centre—Burdwan District.
10. Two Training centres.

Hyderabad**COMMUNITY PROJECTS ADMINISTRATION**

1. Project—Nalgonda District.
2. Project—Raichur District.
3. Block.

FOOD MINISTRY.

4. Project—Nizamabad District.
5. Training centre

Madhya Bharat**COMMUNITY PROJECTS ADMINISTRATION.**

1. Project—Gird District.
2. Project—Nimar District.

FOOD MINISTRY.

3. Project—Gwalior District.
4. Training centre

Mysore**COMMUNITY PROJECTS ADMINISTRATION.**

1. Project—Shimoga District.

FOOD MINISTRY.

2. Project with training centre—Vilavesvaraya Canal area.

PEPSU**COMMUNITY PROJECTS ADMINISTRATION.**

1. Project—Dhuri Tehsil.
2. Project—Nabha Tehsil.
3. Training centre.

Rajasthan**COMMUNITY PROJECTS ADMINISTRATION.**

1. Project—Sawal Madhopur.
2. Project—Jodhpur.
3. Block—Bikaner.

FOOD MINISTRY.

4. Training centre.

Saurashtra**COMMUNITY PROJECTS ADMINISTRATION.**

1. Project—Sorath District.

FOOD MINISTRY.

2. Training centre.

Travancore-Cochin**COMMUNITY PROJECTS ADMINISTRATION.**

1. Project—Trichur District.
2. Project—Trivandrum District.

FOOD MINISTRY.

3. Project.
4. Training centre.

Ajmer**COMMUNITY PROJECTS ADMINISTRATION.**

1. Block—Kekri-Beawar Tehsils.

Bhopal**COMMUNITY PROJECTS ADMINISTRATION.**

1. Project—Sehore and Raisen Districts.
- FOOD MINISTRY.**
2. Project—Raisen District.
 3. Training centre.

Bilaspur**COMMUNITY PROJECTS ADMINISTRATION.**

1. Block—Saddar Tehsil.

† Now in Andhra.

Coorg**COMMUNITY PROJECTS ADMINISTRATION.**

1. Block.

Delhi**COMMUNITY PROJECTS ADMINISTRATION.**

1. Block.

Himachal Pradesh**COMMUNITY PROJECTS ADMINISTRATION.**

1. Project—Sirmur and Mandi Districts.
2. Project—near Narkanda.
3. Training centre.

Kutch**COMMUNITY PROJECTS ADMINISTRATION.**

1. Block—Nakhatrana-Bhuj Tehalls.

Manipur**COMMUNITY PROJECTS ADMINISTRATION.**

1. Block—Thoubal Tehsil.

Tripura**COMMUNITY PROJECTS ADMINISTRATION.**

1. Block.

Vindhya Pradesh**COMMUNITY PROJECTS ADMINISTRATION.**

1. Block—Amarpatan Tehall.

FOOD MINISTRY.

2. Project—Chhatarpur District.
3. Training centre.

SECOND SET OF PROJECTS

In December 1952 a supplement to the first operational agreement was signed, whereby 55 new Development Blocks were to be started. Areas were selected and the position on July 3, 1953 was as follows :

Assam**3 DEVELOPMENT BLOCKS**

1. North Lakhimpore Block consisting of 8 Mouzas of the Ranganadi Circle of the Lakhimpore District.
2. Nowgong Block consisting of whole or parts of seven Mouzas of the Nowgong District.
3. Lushai Hills, District Lushai Hills.

Bihar**2 DEVELOPMENT BLOCKS**

1. Shikarpur Development Block, District Champaran.
2. Hura Development Block, District Manbhum.

Bombay**6 DEVELOPMENT BLOCKS**

1. Vallia Mahal and some villages in Jhagdia Taluk—Broach District.
2. Kalol—Panchmahals District.
3. Mandangad and some villages in Dapoli, Talok in Ratnagiri District.
4. Baglan in Nasik District.
5. Shahada in West Khandesh.
6. Indl in Bijapur District.

Madhya Pradesh**4 DEVELOPMENT BLOCKS**

1. Waraseoni Block, District Balaghat.
2. Bohuriband Block, District Jabalpur.
3. Chikhali Block, District Buldana.
4. Bazag-Karanjia Block, District Mandla.

Madras**6 DEVELOPMENT BLOCKS**

Sites not yet finalised.

Orissa**2 DEVELOPMENT BLOCKS**

1. Sundargarh Block, District Sundergarh.
2. Nayagarh Block, District Puri.

Punjab**4 DEVELOPMENT BLOCKS**

- | | |
|----------------|-----------------------|
| 1. Taran Taran | } Jullundur Division. |
| 2. Kulu | |
| 3. Thanesar | } Ambala Division. |
| 4. Naraingarh | |

Uttar Pradesh**7 DEVELOPMENT BLOCKS**

1. Bah—District Agra.
2. Bataganj-cum-Jalalabad-Basin of the river Soit in District Badaun and Shahjahanpur respectively.
3. Deoband—District Saharanpur.
4. Domoriaganj—District Basti.
5. Dudhi—District Mirzapur.
6. Jaunsar Bawar-cum-Jaunpur Rawaln-Basin of the river Jamuna in Districts Dehra Dun and Tehri (Garhwal) respectively.
7. Details awaited.

West Bengal**3 COMPOSITE BLOCKS**

1. Hab Block, Sub-division Baraset, District 24-Parganas.
2. Sonamukhi Block, District Bankura.
3. Dinhati Block, District Cooch-Bihar.

Hyderabad**2 DEVELOPMENT BLOCKS**

Proposals not yet received from the State Government.

Madhya Bharat**1 DEVELOPMENT BLOCKS**

Talen Development Block, Harsingarh-Sarangpur tehsils, District Rajgarh.

PEPSU**1 DEVELOPMENT BLOCK**

Bhatinda Development Block, District Bhatinda.

Rajasthan**2 DEVELOPMENT BLOCKS**

1. Nagar Pahari Govindgarh (District Bharatpur, Alwar and Jaipur Division).
2. Maulasar (District Nagore-Jodhpur Division).

Saurashtra**1 DEVELOPMENT BLOCK**

Limdi Development Block, District Zalawad.

Travancore-Cochin**1 DEVELOPMENT BLOCK**

Ambalapuzha, Prakkad, Thakazhi, Nedumudi, Champakulam and Kainakari consisting of the Pakuthies of Alleppey (excluding the Municipal area), Revenue District of Quilon.

Bhopal**1 DEVELOPMENT BLOCK**

Proposal has not yet been received from the State Government.

Bilaspur**1 DEVELOPMENT BLOCK**

Ghumarwin Block in Tehalls Sadar and Ghumarwin.

Coorg**1 DEVELOPMENT BLOCK**

Proposal has not yet been received from the State Government.

Vindhya Pradesh**2 DEVELOPMENT BLOCKS**

1. Panna Block, in part of Panna and part of Pawal Tehsil in the Panna District.
2. Jataria Block in the district of Tikamgarh.

FOREIGN AID TO INDIA

FOREIGN aid to India comprises 1. aid from U.N., 2. loan from the International Bank of Reconstruction and Development, 3. loan and aid from the U.S.A., 4. aid under the Colombo Plan from Australia, Canada, New Zealand and the U.K., and 5. aid from Norway through the U.N.

The total aid or loan received from each of these agencies is given below:

1. Aid from U.N. and subsidiary bodies (1952)—\$ 1.05 million.
2. Loan from World Bank (Aug. 1949-Jan. 1953)—\$ 109.8 million.
3. Aid from U.S.A. (1952)—\$ 91.5 million.
4. Aid from Canada under Colombo Plan (1952)—\$ 28.8 million.
5. Aid from Australia under Colombo Plan (1952)—£ 7.2 million.
6. Aid from New Zealand under Colombo Plan (1952)—£ 625,000.
7. Aid from Norway through the U.N. (1952)—Kr. 10 million (Rs. 67 lakhs).

WORLD BANK

Loans from the International Bank of Reconstruction and Development are as follows (the figures are in million dollars):

	Amount*	Purpose	Period (in years)	Interest	Amortization starts
1949 Aug. ..	32 8 (15.6)	Railways.	15	4%	1950
1949 Sept. ..	7 5 (3.6)	Land reclamation	7	3½%	1952
1950 April ..	18 5 (8.8)	D. V. C.†	20	4%	1955
1952 Dec. ..	31.5 (15.0)	Ind. Iron and Steel Co.	15	4½%	1959
1953 Jan. ..	19 5 (9.3)	D. V. C.	25	4½%	1956
Total ..	109 8 (52.3)				

* Figures in brackets are in rupees crores. † Damodar Valley Corporation.

AMERICAN AID TO INDIA

AMERICAN aid to India can broadly be classified under three heads: governmental, institutional, and private.

Governmental aid is channelled through the Indo-U.S. Technical Co-operation Programme, which has been shaped to support the objectives of India's Five-Year Plan and is now in its third year.

U.S. Government contribution in the first year ended June 30, 1952, totalled \$52,759,888. In the following year it was \$44,315,000, and for the year ending June 30, 1954, the U.S. Congress has appropriated funds totalling \$93,565,000.

Major institutional aid is given by philanthropic organisations like the Ford and Rockefeller Foundations.

Private voluntary contributions by individual Americans are distributed through several relief agencies, such as CARE.

Large-scale American aid to India began in 1951, when India was faced with a threatened famine. Americans in large numbers voluntarily contributed hundreds of thousands of dollars worth of foodstuffs, clothing and medicine. This aid was channelled through various relief groups, which have continued every year to send large quantities of such items since.

Also, in 1951, the U.S. Government provided a loan to India of \$190 million on easy terms for the purchase of nearly two million tons of food-grains in the United States. The loan is to be repaid in 35 years at an interest rate of 2½ per cent, with no interest due for a year and no principal due for five years.

In addition, the U.S. Government at that time specially re-activated nearly 100 World War II Liberty-type ships for quick transport of the grain to India, as there was an acute shipping shortage at that time.

Technical Co-operation Programme.—The Indo-American Technical Co-operation Programme is one of 35 such programmes of bilateral co-operation of the United States and other nations in economic and social improvement. These programmes are carried on in Central and South America, the Middle East, South and South-east Asia and Africa. Eighty per cent of all projects undertaken, world-wide, are in agriculture, health and education.

U.S. bilateral aid to these countries is founded on the belief that if America helps in the fight against hunger, poverty, ignorance, and disease it will thereby promote a stable and peaceful world.

The Indo-American programme, in its present form, dates from the General Agreement between India and the United States signed on January 5, 1952. In keeping with an annual basis of planning, this was supplemented on November 3, 1952.

During the first two years high priority was given to increasing agricultural production, although the programme has been steadily increasing in support of industrial development also. It is expected that industrial phases will receive larger attention in the third-year allocations.

In the first two years of the programme, the United States has provided a total of \$88,350,000 for the co-operative undertakings under the programme and India has contributed Rs. 72.3 crores (about \$152 million). All projects support objectives of the Five-Year Plan.

Each year specific projects are worked out and detailed in what are called "operational agreements." Under the 1952 programme, 11 such operational agreements were concluded. Under the 1953 programme, nine of the 11 were supplemented and five new agreements were signed.

Specific projects are suggested by the Planning Commission of the Government of India, discussed with the American Technical Co-operation Administration (TCA), which has offices in New Delhi, and operational agreements are signed designating the scope of particular activities and the amounts in dollars and in rupees.

A brief summary of these projects follows.

Fertiliser Imports.—(U.S. Contribution: \$14,590,927): In order to help make up the gap between India's own fertilizer production and the country's needs for increased agricultural production, this project calls for import of a total of 186,000 tons of fertilizer, largely ammonium sulphate. Supplies were obtained in Japan, Belgium, Western Germany and the United States. Some 135,686 tons have already arrived in India.

Expansion of Sindri Plant.—(U.S. Contribution: \$77,000). In order to increase fertilizer production at the Sindri plant, the TCA, at the request of the Government of India, engaged experts who studied Sindri's facilities and made recommendations for expansion. A team of Indian technicians was sent abroad to study fertilizer production. TCA also has agreed to pay for engineering consultants to work with the Government of India on the planned expansion of Sindri.

Iron and Steel Imports.—(U.S. Contribution: \$16,885,000): This project also is designed to meet the needs of an increased agricultural programme. Provision is made under the project for the import of 110,000 tons of iron and steel for use by village blacksmiths and for farm implement factories. Of this, nearly 50,000 tons obtained in the United States has reached India.

Locust Control.—(U.S. Contribution: \$451,000): Locust menace is a recurring problem in south Asia and the Middle East whose countries co-operate in the annual campaign. To support India's locust control organisation, the Indo-American programme is providing jeeps and other mobile equipment, dusters and sprayers, along with the assistance of spraying planes operated by American pilots from the TCA regional locust control organisation. Some 32 jeeps with trailers, 25 power wagons, 49 sprayers and dusters arrived for use in the 1953 locust campaign. The spray planes, after the close of the 1952 locust campaign, helped with a campaign against rice bug infestation in Bihar and also trained Indian pilots in spraying techniques.

Soil Fertility and Fertilizer Use.—(U.S. Contribution: \$200,000): Knowledge of what types of soils exist in various parts of India and how they will respond to use of fertilizers to achieve increased agricultural production is essential to any nation-wide agricultural programme. The Indian College of Agricultural Research (Pusa Institute), New Delhi, and other institutions have already done important studies in this field. Under the Indo-American programme, provision is made for supplying latest types of testing equipment to expand their programmes and the advice of technical specialists in developing the system.

Marine Fisheries—(U.S. Contribution: \$2,462,000): This project provides for two major classes of equipment—diesel engines to power small fishing boats and permit them to go farther from shore, and large fisheries equipment to enable large-scale operations. Also included in the project is provision for refrigeration plants to guarantee protection of the catch and refrigerated vehicles to enable fresh fish to reach a wider market.

A group of Indian fisheries experts and an American fisheries adviser made a trip in 1952 to fisheries in Europe, America and Japan, to examine types of equipment suitable or adaptable to India. On their recommendations orders were placed for new equipment for India.

Tube-wells—(U.S. Contribution: \$21,500,000): The tube-well drilling project, calling for 2,000 new wells in the first year and an additional 650 in the second, is a direct way of increasing agricultural production by providing irrigation. Most of these wells will be dug in the Gangetic plain of north India, where conditions are most favourable for this type of irrigation. Each well will irrigate approximately 400 acres, or a total of more than 10 lakh acres.

Ground Water Exploration—(U.S. Contribution: \$4,500,000): This project is to determine the prospects of drilling tube-wells in parts of India other than the proved areas of the Punjab, PEPSTU, U.P. and Bihar. Exploratory wells will be sunk in almost all the other States of India under the project.

Community Projects—(U.S. Contribution: \$10,598,000): The Community Projects programme is an organised, planned approach to the problem of intensive development of India's villages. Through this effort nearly 20 million villagers will be helped to learn better agricultural methods, wipe out malaria and smallpox, banish illiteracy, and bring their whole area up to a higher level of economic development.

Work started on October 2, 1952, in 55 project areas all over India. A project area covers more than 300 villages and 250,000 persons. Work on 165 additional development blocks was started on October 2, 1953 each covering some 100 villages.

The U.S. is providing transportation and other types of equipment for these projects. Already 330 jeeps are in use.

Also, American extension training specialists are provided to work with development officers of the States as well as with training centres in bringing to villagers the knowledge of improved agricultural methods.

Village Workers Training—(U.S. Contribution: \$299,200): Thirty-four training centres throughout India are now in operation instructing village workers. These training centres are set up by the Government of India with the aid of the Ford Foundation and the U.S. Government.

Also, five social education training centres and three public health workers training centres have been started. American extension specialists assist the training centres in developing courses of study.

Malaria Control—(U.S. Contribution: \$5,848,000): This project is designed to conquer, within three or four years, the most serious health problem of India. There are an estimated 80 million or more cases of malaria a year, almost all among the rural population that produces the nation's food.

The United States is furnishing supplies of DDT and various other types of malaria control equipment as well as expert assistance. Ninety malaria units are in operation. More than 41,000 tons of DDT has arrived in India, as well as 4 million anti-malarial tablets.

Forest Research and Desert Afforestation—(U.S. Contribution: \$314,000): The Research Institute at Dehra Dun will be provided with new research equipment, including that for completion of a pulp and paper mill, under this project. Part of the U.S. aid under

this project will go to experiments in control of the spread of the Rajasthan desert by tree-planting and other means.

River Valley Development—(U.S. Contribution: \$10,188,873): This project provides for purchase of heavy machinery, crushers, earth-moving and other equipment for work at India's various river valley projects, as well as for technical advice by construction engineers, dam designers and development specialists.

Damodar Valley Project—(U.S. Contribution: \$285,000): This project provides for consulting engineering services and advice on the designs, specifications and construction of dams and other engineering facilities planned by the D.V.C. Also provides engineering services for the Bokaro Thermal Plant.

Building Materials and Low-Cost Housing Research—(U.S. Contribution: \$175,000): These two allied projects are aimed at improving the facilities of the Central Building Research Institute at Roorkhee (U.P.) for developing and demonstrating indigenous building materials and for developing more economical methods of housing design and construction. Two U.S. housing specialists are also provided.

Labour Institute—(U.S. Contribution: \$100,000): Under this project a Central Labour Institute will be set up at Bombay to promote industrial efficiency and to increase industrial production by encouraging improvement in the safety, health and welfare of industrial workers.

Lignite Development—(U.S. Contribution: \$250,000): This project provides for supply of equipment for experimental operation of the lignite deposits in Madras State. An American mining expert supplied by TCA has been working with Indian experts in the investigation of the deposits, estimated to total perhaps 2,000 million tons.

Allied Phases—The basic technical co-operation approach rests on the exchange of knowledge and skills, largely through the medium of technical specialists in particular fields or through the further training of individuals already doing specific kinds of technical work. Under the Indo-American programme, these phases are financed solely from U.S. funds in addition to those allocated under the Operational Agreements.

This type of activity exists in several forms, although always at the request of the Government of India. Special contract services, in which individual technicians or teams of technicians are engaged for specialised tasks, such as the Sindri and D.V.C. projects, is one form. Bringing American technical specialists to India is another. Advanced training for Indian technicians in the United States is a highly important phase, in keeping with India's development plans. An enlarging field is that of inter-university exchanges, between Indian and American technical institutions.

Technical specialists are provided by the United States in fields in which request is made by the Government of India. Their salaries in India and travel to India are paid by the United States. They are usually recruited for two-year assignments, for which they obtain leave of absence from their regular employment in the United States.

On July 1, 1953, there were 62 such American technical specialists in India. Most of these were agricultural extension specialists. Other fields were natural resources, education, industry, health and sanitation, social welfare, housing and industrial hygiene.

On July 1, 1953, also, the number of Indian technicians who were in the United States or had returned, after training, was 176. Another 125 had been selected to go to the U.S. in three months to a year.

Fields of advanced training include agriculture, forestry, fisheries, health and sanitation, education, natural resources, industry, trade and industrial productivity, transportation, public works, public administration and labour and community services.

The United States has also provided funds for inter-university exchanges of technical knowledge between India and the United States. Typical of these is the arrangement between Allahabad Agricultural Institute and the University of Illinois in 1952. This included assignment of various faculty and staff members from Illinois to work at Allahabad and advanced training for staff members of Allahabad at Illinois. Several other such arrangements are under way or are nearing final form.

OPERATIONAL AGREEMENTS (Figures corrected to July 1, 1953)

No.	Programme Year	Date Signed	Project	U.S. Contribution (\$)	India's Contribution (Rs.)
1	1952	May 1, 1952	Fertilizer	9,010,927	44,00,000
	1953	Dec. 6, 1952	—do—	5,540,000	27,06,000
2	1952	May 29, 1952	Iron and Steel	8,385,000	12,00,000
	1953	Nov. 26, 1952	—do—	8,500,000	32,36,470
3	1952	May 29, 1952	Locust Control	230,000	2,48,000
	1953	Mar. 27, 1953	—do—	221,000	5,00,000
4	1952	May 31, 1952	Soil Survey	200,000	8,42,540
5	1952	May 31, 1952	Fisheries	2,462,000	68,95,000
6	1952	May 31, 1952	Tube-wells	15,309,073	44,450,000
	1953	Apr. 20, 1953	—do—	6,190,927	4,70,50,000
7	1952	May 31, 1952	Village Workers Training	166,000	73,57,000
	1953	Feb. 9, 1953	—do—	133,200	73,500
8	1952	May 31, 1952	Community Projects	8,671,000	34,38,34,000
	1953	Dec. 6, 1952	—do—	1,925,000	7,33,00,000
9	1952	June 12, 1952	Malaria Control	648,000	37,350
	1953	Dec. 13, 1952	—do—	5,200,000	1,77,95,000
10	1952	June 12, 1952	Forest Research	101,000	2,08,000
	1953	June 25, 1953	—do—	210,000	3,20,000
11	1952	June 14, 1952	River Valley Development	4,784,000	5,00,000
	1953	Feb. 9, 1953	—do—	1,855,000	13,00,00,000
	1953	Apr. 25, 1953	—do—	1,880,000	1,28,00,000
	1953	June 3, 1953	—do—	1,669,000	1,00,00,000
12	1953	Mar. 27, 1953	Exploratory Tube-wells	4,500,000	1,20,00,000
13	1953	Apr. 20, 1953	Building Materials	100,000	1,00,000
14	1953	Apr. 20, 1953	Low-Cost Housing	75,000	1,50,000
15	1953	June 3, 1953	Labour Institute in Bombay	100,000	5,00,000
16	1953	June 25, 1953	Lignite Development in Madras	250,000	25,00,000

All the projects under the Indo-American programme are administered exclusively by the Central and State governments of India. For example, the Central Ministry of Food and Agriculture has supervision of the fertilizer, iron and steel and fisheries projects. It also directs the locust control and tube-well projects.

Procurement of equipment and supplies imported into India to implement the Indo-American programme is by the India Supply Mission at Washington and by the Technical Co-operation Administration at Washington, in association with each other or through such other arrangements as these two agencies agree to be desirable.

The tube-well project is an exception, since the contracts are signed in India after tenders are invited through the press.

Projects covered by the operational agreements originate in this way: A State government in India, or the appropriate Ministry or other Central Government organisation, is the source of each proposed project. Suggested projects are transmitted to the Planning Commission, which is responsible for setting broad domestic policy and general supervision of projects under the Indo-American programme. If the Planning Commission and TCA agree that a project proposal is within the scope of the Indo-American programme, the Central Ministry concerned draws up a detailed operational agreement in consultation with the TCA technical and administrative staff. Final details are worked out and the agreement is signed.

Requests for TCA training awards similarly originate in the Indian States or the Central Government. In the States, they are presented through the department concerned in which the applicant is working and go to the Central Government. Some originate directly in the appropriate Central Government ministries, and some in trade organisations.

In addition, the U.S. Government is a major contributor to the U.N. Technical Assistance Administration, which has extended aid to India in several fields.

AID FROM FOUNDATIONS

The Ford Foundation has provided nearly six million dollars for several projects.

It has allocated \$2,344,000 to help establish and operate 34 centres to train some 7,000 village level workers for the community development projects. Another \$879,000 has been given by the Foundation to aid in the establishment of 15 pilot development centres. Another grant of \$1,910,000 provides for setting up a department of extension in each of five major agricultural colleges in India to impart specialised extension education. Another \$1,041,310 has been allotted for several other projects in the implementation of the community development programme.

The Rockefeller Foundation also has extended aid to India in the field of public health, especially training of health personnel. This programme has been in existence for more than two decades. The Foundation has had one or more representatives in India since 1920, helping the Government of India and State Governments, at their request, to develop public health programmes.

It supplied funds for the construction and equipment of the All-India Institute of Hygiene and Public Health in Calcutta in 1932, and also aided in the setting up of seven rural demonstration health units.

Apart from various training programmes in India, through 1952, the Foundation had given 168 fellowships and travel grants to qualified Indians for advanced studies abroad.

Among other activities of the Rockefeller Foundation in India are a malaria control programme in Mysore State and the recently established Virus Research Centre in Poona.

Rockefeller grants to India have totalled more than \$2,532,000, in addition to all expenses of staff members resident in India, amounting to over a million dollars.

The Watamull Foundation also has a sizeable programme for India in the fields of education and population control.

PRIVATE AID

Impressive though the above figures may be, it is the private aid—both from individuals and voluntary welfare agencies—that reveals the extent of good-will that Americans bear towards India.

For example, in the year ended July 1952 a total of more than \$750,000 was contributed by private U.S. citizens for relief in India. These contributions ranged all the way from a one-dollar gift from a five-year-old to the \$200,000 allocation by the American Red Cross for aid to India.

The number of gestures from individual Americans and small groups is legion. Among the several group efforts in U.S. towns to combat food shortage was the "Share a Meal with India" campaign launched in Champaign-Urbana, a small town in the State of Illinois. The local population contributed some \$1,000 with which 42 tons of wheat was bought and sent to India in 1952. The response to a Harvard University drive to collect \$1,000 was so good that \$6,700 was collected.

Housewives of the small town of Levittown, Long Island, collected three tons of canned and dried foods for Indian orphanages. Individual donations are, of course, too numerous to mention. A letter written by a nurse, Miss Dorothy Lynch, asking U.S. pharmaceutical firms to send samples of their products as gifts to India, re-

sulted in a surprise gift of \$20,000 worth of vitamin capsules from a single company.

In addition to these private campaigns, well-organised American relief agencies such as the Co-operative for American Remittances to Everywhere (CARE), the Christian Rural Overseas Programme (CROP), the American Friends Service Committee, and the Church World Service, to mention only a few, have dispatched large quantities of food, clothing, medicine and other aid to India in the last few years. For example, CROP has sent more than 550 tons of wheat and 1,500,000 pounds of food products and vitamins.

Several of these relief groups yearly allocate a part of their funds towards relief in India, but most of their members' individual gifts are channelled through CARE, which has standard food, clothing, tool and medical packages which can be sent to any country of the donor's choice, including India.

CARE gift packages to India in three years since the programme started in March 1950 have totalled more than \$500,000 in value, including some 35,000 food packages, 2,538 ploughs, 1,380 textile packages, 299 midwifery kits, 1,040 parcels of children's books and 95 large food packages to educational and medical institutions.

A closely-related programme to foster closer understanding between India and the United States is the so-called exchange of persons programme. Early in 1950, the India-U.S. Fulbright Agreement was signed, as sequel to the Fulbright Act of the U.S. Congress, which provides for the use of U.S. receipts from sales of World War II surplus property abroad for travel grants to students.

The agreement provides for the utilisation of the rupee equivalent of up to \$400,000 a year towards travelling expenses of Indian students to and from the U.S. and all expenses of Americans coming to India for study, research or instruction. More than a hundred Indian students are awarded Fulbright travel grants every year, while nearly one-fourth of that number of Americans come to India annually under the programme.

Another U.S. exchange programme under the Smith-Mundt Act enables leaders of public opinion, both American and Indian in various fields to visit each other's countries. Under this programme several prominent Indians visit the United States on study-observation-lecture tours every year, and Americans come to India on similar tours.

India is again a full participant in the U.S. programme of sharing its technical know-how with other countries. Hundreds of Indian experts and students go to the United States every year for observation and training in U.S. techniques.

U. N. AID TO INDIA

IN 1952 India received assistance from the U.N.O. amounting to \$1,045,248; she had the help of 136 experts and 93 fellows. In the same year India contributed \$275,000; she gave the help of 84 experts and 105 fellows. The table below shows in a summary form the assistance that India has received from the various U.N. bodies. The figures are in U.S. dollars.

	1952	earmarked for 1953	Approved for 1953	New projects for 1954
UN	214,873	204,026	96,509	100,681
ILO	41,644	101,800	82,600	84,500
FAO	253,919	373,548	308,500	211,500
UNESCO	240,868	218,800	194,000	121,300
ICAO	37,616	19,100	16,200	..
WHO	256,328	266,500	241,266	210,204
Total	1,045,248	1,183,574	939,075	678,185

The position about experts is as follows:

	UN	ILO	FAO	UNESCO	ICAO	WHO	TOTAL
For 1953 approved projects ..	24	14	39	13	3	43	136
For 1954 projections ..	17	15+	42	20	—	46	140+

The position about fellowships is as follows:

	UN	ILO	FAO	UNESCO	ICAO	WHO	TOTAL
For 1953 approved projects	5	7	4	..	..	16
For 1954 projections	4+	5	24	11	35	79+

The following is the position about individual projects. The first figure in the brackets shows the number of experts, the second figure the number of fellows and the third figure the estimated obligation in U.S. dollars.

FROM U.N.

Sindri fertilizer plant for 1953 (1; 0; 27,580), for 1954 (3; 0; 27,300).

National Instruments Factory for 1953 (1; 0; 735); for 1954 (1; 0; 375).

Cottage Industries for 1953 (1; 0; 8,300). Marketing of handicrafts for 1954: project continues.

Ports and shipping for 1953 (3; 0; 21,430). One hydraulic surveyor and two dredging engineers for work on minor ports in Bombay State; for 1954: project continues with 2 experts.

Statistical quality control for 1953 (4; 0; 4,500). Four lecturers conducted training centres.

Family planning for 1953 (2; 0; 9,040). With WHO assistance to organize study of rhythm method for family planning; for 1954: continues with one expert.

Lignite utilization for 1953* (2; 0; 10,000). To investigate nature of deposits in Madras State and prepare plans for utilization plant.

Chemical and allied products for 1953 (1; 0; 8,878)*; for training staff in administration and accounting. For 1953 (1; 0; 7,665); for studying possibilities of manufacture of soda ash. For 1953 (1; 0; 7,665); for assisting in production of butyl alcohol and acetone.

Machinery industry for 1953 (1; 0; 8,695). For assisting local production of moulds for plastic industry.

Small industries for 1953 (1; 0; 9,555). To assist in the manufacture of high tension insulators.

Photogrammetry and map reproduction for 1953 (1; 0; 55,898), for 1954 (2; 0; no estimates). For preparation of large-scale maps for hydro-electric plants and irrigation schemes.

Water resources development for 1953 (1; 0; 16,620), for 1954 (1; 0; 8,820). For arid zone research in Rajasthan desert.

Telecommunications for 1953 (1; 0; 6,465). For designing equipment for direct dialling facilities between main automatic exchanges.

Visiting lecturers for 1953 (0; 0; 1,000). U.N. statistical experts were to be asked to deliver lectures at Indian Statistical Institute.

Water resources development (1; 0; 16,620): under negotiation.

Resources development in Damodar Valley (8; 0; 22,129): under negotiation.

* Cancelled.

FROM ILO
Employees State Insurance scheme for 1953 (3; 3; 16,400), for 1954 (0; 1; no estimates). For advising Government and training personnel.

Payment by result and production for 1953 (8; 0; 52,800); for 1954 (11; 0; 60,000). For setting up national productivity centre to train management and worker personnel.

Development of handicrafts among plantation workers for 1953 (1; 2; 12,500).

Training within industry for supervisors for 1953 (2; 0; 10,000); for 1954 (2; 0; 10,600). For help in introducing techniques of job instruction, job methods, job relations in a number of factories in the Ahmedabad region and the Sindri region. Also, for drawing up plans for a national institute.

FROM FAO

Farm machinery for 1953 (11; 2; 90,826); for 1954 (9; 0; 94,500). To help Central and U.P. Governments in land reclamation, cultivation operations, service training to operators, and maintenance and repair men working with agricultural machinery.

Animal disease control for 1953 (5; 0; 73,707); for 1954 (5; 0; 63,800). For help in research and field programmes at Izzatnagar Institute.

Agricultural institutes and services for 1953 (2; 0; 12,586); for 1954 (1; 0; 11,600). For help in improved tanning methods at training centre in U.P.

Agricultural economics for 1953 (2; 0; 12,700). To help Indian Council of Agricultural Research in research programmes and study groups, and in theoretical statistics. Project will continue in 1954.

Fisheries development for 1953 (5; 3; 47,300); for 1954 (3; 0; 37,000). For help in inland fisheries and fisheries engineering in West Bengal. For help in deep-sea fishing in Bombay. For help in fisheries community development in Travancore-Cochin in the joint Government of India-Norway-U.N. project. For help in designing improved fishing craft and gear.

Forest development for 1953 (3; 0; 16,200); for 1954 (1; 0; 11,600). For help in manufacture of plywood and mechanical logging. For advice on developing research and training facilities of the Forestry Research Institute at Dehra Dun.

Nutrition for 1953 (3; 0; 21,377); for 1954 (1; 0; 12,500). For advice on forest preservation centres in U.P. For training cafeteria workers to encourage consumption of non-cereal foods.

Land and water use for 1953 (0; 0; 952). Travel costs of FAO mission in India.

† Cancelled in 1958 and is expected to be implemented in 1954.

Animal production for 1953 (8; 1; 88,900); for 1954 (6; 0; 77,500). To advise Bombay Government on methods of utilizing surplus milk, on improving the processing and bottling plant, on breeding programme. To advise U.P. Government on sheep and wool production, on artificial insemination of live-stock at Izzatnagar, on grassland fodder and forage crops.

FROM UNESCO

Technology for development for 1953 (4; 0; 88,300); for 1954 (6; 0; 134,300). To help conduct engineering courses in the Indian Institute of Technology at Kharagpur. Provision for hydro-electric, dam construction, civil engineering equipment worth \$96,500.

Indian National Scientific Documentation Centre for 1953 (8; 1; 51,700); for 1954 (3; 0; 41,600). \$28,000 worth of books, journals and equipment.

Central Water and Power Research Station, Poona for 1953 (1; 1; 29,100). Photo-elastic equipment worth \$17,600.

Institute of Paleobotany, Lucknow for 1953 (1; 0; 11,900).

National Physics Laboratory for 1953 (1; 0; 17,000); for 1954 (1; 0; 8,900). For technical guidance on study of properties of materials at very low temperatures. Equipment worth \$9,000.

Central Institute of Education for 1953 (1; 2; 12,100). For training in child guidance.

Ahmedabad Textile Research Institute for 1953 (1; 0; 8,700); for 1954 (1; 1; 9,200). For conducting textile research.

FROM ICAO

Civil Aviation for 1953 (3; 1; 19,100), for 1954 (0; 4; no estimates). For advice on aero, nautical inspection, air-lines cost accounting-aeronautical communications.

FROM WHO

Malaria and Insect Control in Terai for 1953 (3; 0; 25,000). For malaria control team in the Terai region of U.P.

Yaws Control for 1953 (1; 0; 8,500); for 1954 (1; 0; 10,275). For pilot project in Madhya Pradesh.

Population studies for 1953 (2; 0; 13,500); for 1954 (2; 0; 14,873). For survey of family planning in New Delhi and rural area in South India.

Physiotherapy Training Centre, KEM Hospital, Bombay for 1953 (2; 0; 21,000); for 1954 (2; 0; 10,760). Equipment worth \$5,000.

Principal, Medical College, Trivandrum for 1953 (1; 0; 11,500); for 1954 (1; 1; 11,710).

Professor of Pharmacology, School of Tropical Medicine, Calcutta for 1953 (1; 0; 13,000); for 1954 (1; 1; 13,274). To develop School into teaching and research centre for training pharmacologists.

Professor of Industrial Hygiene, Institute of Hygiene and Public Health, Calcutta for 1953 (1; 0; 8,000); for 1954 (1; 1; 13,273). To organize and develop training and research department.

Tuberculosis centres at Patna and Trivandrum for 1953 (7; 0; 59,100).

Tuberculosis control including BCG, Calcutta and Madras for 1953 (7; 0; 46,000) for BCG alone; for 1954 (11; 6; 151,236) for TB and BCG. To initiate two new TB demonstration and training centres at Calcutta and Madras. For mass BCG campaign. WHO is providing experts and UNICEF supplies and equipment worth \$65,000.

Visiting Team of Medical Scientists for 1953 (17; 0; 57,000). To demonstrate operative and other techniques.

Food hygiene for 1953 (1; 0; 3,900). To advise on abattoir, meat hygiene practices, and utilization of meat by-products.

COLOMBO PLAN

Director, Bureau for Technical Co-operation, P. W. E. Curtin, (262 Secretariat, Colombo).

THE Colombo Plan was conceived at a meeting of the Foreign Ministers of the Commonwealth countries at Colombo in January 1950.

A consultative committee was set up to consider ways and means of carrying out the desired co-operative economic development. This committee met at Sydney in May and proposed a six-year development plan and a scheme for technical assistance.

In July and August 1950 the details of the Technical Assistance Scheme were worked out, and the constitution of the Council of Technical Co-operation was proposed.

The original members were Australia, Canada, Ceylon, India, New Zealand, Pakistan and the United Kingdom, together with Malaya and British Borneo. These were Commonwealth countries, but it was contemplated from the beginning that all countries in the area should be invited to participate in the Plan on equal terms.

At the London meeting of the Consultative Committee in September, 1950, Burma, Cambodia, Indonesia, Laos, Thailand and Viet-Nam were represented by observers. Viet-Nam, Cambodia and Laos shortly afterwards became full members.

Burma and Nepal attended the Karachi meeting in 1952 as full members; while Indonesia attended the Delhi meeting in 1953 as a full member.

The United States of America has attended as a full member from the Colombo meeting of 1950.

The distribution and cost of the programmes of the participating countries in million £s were as follows:

	India	Pakistan	Ceylon	Malay and Br. Borneo	Total	Percentage to Total
Agriculture	456	88	38	13	593	32
Transport and Communications .. .	527	57	22	21	627	34
Fuel and Power .. .	43	51	8	20	122	6
Industry and Mining .. .	135	53	6	nil	194	10
Social Capital .. .	218	31	28	53	330	18
	1,379	280	102	107	1,869	100

The following table gives details about these commitments by Co-operating Governments as at 30th June, 1953:

(Pound Sterling)				
Country	Trainees	Experts	Equipment	Total
Australia .. .	305,600	52,472	51,640	409,752
Canada .. .	16,558	62,500	—	79,058
Ceylon .. .	5,045	—	33,985	39,030
India .. .	15,367	3,155	—	18,522
New Zealand .. .	52,205	19,552	6,580	78,337
United Kingdom .. .	93,806	146,900	740,100	980,806
TOTAL .. .	498,581	284,579	832,345	1,605,505

The following table shows the expenditure by Co-operating Governments as at June 30, 1953:

(Pound Sterling)				
Country	Trainees	Experts	Equipment	Total
Australia .. .	280,377	39,787	29,659	289,823
Canada .. .	143,219	55,863	—	197,082
Ceylon .. .	597	—	1,789	2,386
India .. .	12,114	1,182	—	13,296
New Zealand .. .	80,811	24,744	7,732	113,287
Pakistan .. .	—	—	1,215	1,215
United Kingdom .. .	141,378	111,991	23,751	277,120
TOTAL .. .	598,496	231,517	64,146	894,159

Thailand has sent observers to all meetings since the London meeting in 1950, while the Philippines had observers at the Colombo and Karachi meetings.

The International Bank for Reconstruction and Development has maintained close liaison with the Committee in its work and has been represented at the Colombo and later meetings.

Each of the Commonwealth and Colonial countries drew up their plans for future development over the next six years.

These plans were finally issued under the title "The Colombo Plan" on 28th November 1950.

As originally proposed it was a six-year plan and was officially launched on 1st July 1951. When the plan was launched the U.S.A. became a member of the Consultative Committee.

At present the members are: Australia, Burma, Canada, Ceylon, Cambodia, India, Indonesia, Laos, Malaya, Nepal, New Zealand, Pakistan, U.K., U.S.A., Viet Nam.

Two countries in this area which receive aid and are not members of the Plan are Philippines and Thailand.

SALIENT FEATURES

Plan period: Six years

Total sum allotted: £1,868 million

Money to be allocated as follows: Transport and communications, 34 per cent; Agriculture including river valley development schemes, 32 per cent; Housing, health, education, 18 per cent; Industry and minerals excluding coal, 10 per cent; Fuel and power, 6 per cent.

A Council of Technical Co-operation was established and a £8 million fund set up for providing technical assistance.

The cost of the Bureau during 1952 and the first half of 1953 was £20,000.

Under the technical scheme India offered £750,000, Ceylon £400,000, Pakistan £161,290.

The anticipated results in 1956-57 were as follows: 1. An increase in cultivated land of 18 million acres (3½ per cent); 2. An increase in irrigated land of 18 million acres (17 per cent); 3. An increase in the production of food grains of 6 million tons (10 per cent); 4. An increase in electric power of 1.1 million kW. (87 per cent); 5. An increase in the number of universities and technical training institutions from 3,000 to 3,670; 6. An increase in the number of technicians from 150,000 to 200,000.

Out of a total expenditure of £1,868 million, £1,084 million were to be met from internal resources and £784 million from external sources.

The external sources were enumerated as follows: sterling balances (£246 m.), private investment, loans floated by private investors in London and other financial centres, loans from the International Bank for Reconstruction and Development, grants and loans from other Governments.

FINANCE

The financial assistance promised by the various Governments was as follows:

Australia: £51.25 million for the plan period; Canada: \$25 million for each of the first two years; New Zealand: £ one million for each of the first three years; U.K.: £300,000,000 for the whole six-year period.

During the first year of the Plan the following sums were made available by the 'supplier' countries:

Australia: £ (A) 8,750,000; Canada: \$25,000,000; New Zealand: £1,000,000; U.S.A.: \$70,000,000 (1950-51), \$150,000,000 (1951-52), \$280,000,000 (loans from 1950-52).

India earmarked £750,000 for the Technical Co-operation Scheme, Ceylon £400,000 and Pakistan £161,290. Out of these funds, India has supplied five experts (to Ceylon), has taken in 98 trainees from countries of the region in statistics, sugar technology, customs administration, broadcasting and engineering and has offered 55 scholarships and fellowships in Indian Universities and specialised Institutions.

It must be pointed out that the amount to be given by a country depends on Parliamentary appropriations and cannot really be anticipated. So questions like the total allotment, the future contributions of the various countries do not permit of a definite answer.

Member countries are required to report twice yearly the expenditure incurred and the cost of commitments entered into towards the provision of assistance under the Scheme.

By 30th June 1953, the total expenditure incurred and commitments entered into against the £8 million sterling, amounted to £2,499,664.

The expenditure on trainees amounted to £598,496; on experts £231,517; and on equipment £64,146.

The estimates of firm commitments as at 30th June 1953, were £488,581 on trainees, £284,579 on experts, and £832,345 on equipment.

The assistance received by India was as follows:

From Australia: £A 7.2 million till 30 June, 1953; from Canada: \$28.8 million till 30 June, 1953; from New Zealand: £625,000 till end of 1953.

The releases from India's sterling balances in U.K. will be at the rate of £35 million a year together with the unutilised balances of the previous years.

Thus during the plan period 1951-1956 the total releases should be in terms of Rupees 3,900 million.

The following table gives an analysis of the actual expenditure incurred by India and of the total expenditure incurred upto June 30, 1953 :
(Pound Sterling)

Applying Countries	SUPPLYING COUNTRIES											
	AUSTRALIA				CANADA				INDIA			
	Trainees	Experts	Equip-ment	Total	Trainees	Experts	Equip-ment	Total	Trainees	Experts	Equip-ment	Total
Burma	731	—	—	731	—	—	—	—	903	—	—	903
Ceylon	33,979	9,555	7,347	50,881	16,247	47,094	—	63,341	1,810	1,132	—	2,942
India	59,249	4,043	7,772	71,064	66,098	1,222	—	67,320	—	—	—	—
Indonesia	34,657	421	32	35,110	—	—	—	—	589	—	—	589
British Territories	27,992	4,946	5,329	38,267	—	—	—	—	157	—	—	157
Nepal	2,306	—	—	2,306	—	—	—	—	548	—	—	548
Pakistan	50,284	18,827	9,174	78,285	60,874	5,547	—	66,421	3,227	—	—	3,227
Philippines	6,308	—	—	6,308	—	—	—	—	3,359	—	—	3,359
Thailand	1,871	1,995	5	6,871	—	—	—	—	1,521	—	—	1,521
TOTAL	220,377	39,787	29,659	289,823	143,219	53,863	—	197,082	12,114	1,132	—	13,246

(Pound Sterling)

Applying Countries	SUPPLYING COUNTRIES											
	NEW ZEALAND				UNITED KINGDOM				TOTAL			
	Trainees	Experts	Equip-ment	Total	Trainees	Experts	Equip-ment	Total	Trainees	Experts	Equip-ment	Total
Burma	—	—	—	—	—	—	—	—	1,634	—	—	1,634
Ceylon	15,145	328	1,796	17,269	35,217	51,636	609	87,462	102,398	109,715	9,752	221,895
India	21,630	6,946	360	28,936	62,090	41,476	22,912	127,108	209,667	53,687	31,071	294,428
Indonesia	—	—	—	—	3,561	—	—	3,561	38,807	121	32	39,260
British Territories	22,368	4,879	5,275	32,522	—	—	—	—	50,517	9,825	10,604	70,946
Nepal	—	—	—	—	301	—	—	301	3,155	—	—	3,155
Pakistan	21,593	12,591	301	34,485	39,547	18,879	200	58,626	175,525	55,844	9,675	241,044
Philippines	—	—	—	—	62	—	—	62	9,729	—	—	9,729
Thailand	75	—	—	75	—	—	—	—	6,167	1,995	5	8,467
TOTAL	80,811	24,714	7,732	113,257	141,378	111,991	24,751	277,120	597,899*	231,517	61,142†	890,558††

* To this must be added £597 supplied by Ceylon. The total is £598,496.

† To this must be added £1,215 supplied by Pakistan for 30 heads of cattle to Australia, and £1,789 supplied by Ceylon for trainees in rural development and F.B. Nursing. The total is £61,140.

†† To this must be added £1,215 supplied by Pakistan, and £2,386 supplied by Ceylon. The total is £894,159.

TECHNICAL ASSISTANCE

Contribution to Technical Co-operation Scheme by India, ₹750,000 (Rs. one crore). vices could be utilized. Fifty scholarships were offered to outside students in the first year and 20 in the second. The places where foreign students were trained were the various research institutes and the national laboratories and also the following: Indian Statistical Institute, Calcutta; Indian Institute of Sugar Technology, Kanpur; Customs Collectorate, Bombay; All-India Radio, New Delhi. Training facilities were also offered in the river valley projects.

The country provided five experts, and suggested the names of 39 during 1953 whose services could be utilized. Fifty scholarships were offered to outside students in the first year and 20 in the second. The places where foreign students were trained were the various research institutes and the national laboratories and also the following: Indian Statistical Institute, Calcutta; Indian Institute of Sugar Technology, Kanpur; Customs Collectorate, Bombay; All-India Radio, New Delhi. Training facilities were also offered in the river valley projects.

The number of experts and of training facilities provided upto the end of June 30, 1953 is as follows:—

Applying Countries	SUPPLYING COUNTRIES													
	Australia		Canada		Ceylon	India		New Zealand		Pakistan	United Kingdom		Total	
	Ex-perts	Train-ees	Ex-perts	Train-ees	Train-ees	Ex-perts	Train-ees	Ex-perts	Train-ees	Train-ees	Ex-perts	Train-ees	Ex-perts	Train-ees
Burma	—	2	—	—	—	—	—	—	—	—	—	—	—	2
Ceylon	9	57	16	10	—	5	44	2	34	3	37	120	69	268
India	1	110	5	56	—	—	—	3	35	—	28	151	39	352
Indonesia	—	56	—	—	1	—	3	—	—	—	—	16	—	76
Malaya	11	29	5	—	—	—	5	1	31	—	—	—	17	65
Nepal	—	3	—	—	2	—	4	—	—	—	—	1	—	10
North Borneo	1	7	—	—	—	—	—	3	4	—	—	—	4	11
Pakistan	17	92	5	52	—	—	17	10	29	—	13	91	45	281
Philippines	—	14	—	—	—	—	12	—	—	—	—	2	—	28
Sarawak	2	6	—	—	—	—	—	—	0	—	—	—	2	12
Singapore	1	15	—	—	—	—	—	—	1	—	—	—	1	16
Thailand	—	9	—	—	—	—	8	—	—	—	—	—	—	17
TOTAL	44	402	31	118	3	5	98	19	140	—	78	381	177	1,145

Figures upto the end of 1951 were : 45 experts and training facilities for 309 persons
The corresponding figures for 1952 were : 90 and 538.

The following table shows the subjects in which countries received assistance upto June 30, 1953 :—

Subject	BRUNEI		BURMA		CEYLON		INDIA		INDONESIA		MALAYA		NEPAL		NORTH BORNEO		PAKISTAN		PHILIPPINES		SARAWAK		SINGAPORE		THAILAND		TOTAL	
	Ex-perts	Trainees	Ex-perts	Trainees	Ex-perts	Trainees	Ex-perts	Trainees	Ex-perts	Trainees	Ex-perts	Trainees	Ex-perts	Trainees	Ex-perts	Trainees	Ex-perts	Trainees	Ex-perts	Trainees	Ex-perts	Trainees	Ex-perts	Trainees	Ex-perts	Trainees		
Education ..	—	—	—	—	7	33	1	13	—	8	1	11	—	1	2	3	1	17	—	7	—	2	1	2	—	2	13	99
Medical & Health ..	—	—	—	—	17	35	9	37	—	4	10	15	—	—	1	1	7	8	—	1	—	3	—	1	—	1	44	106
Agriculture and Forestry ..	—	—	1	6	41	84	6	84	—	9	4	8	—	1	—	—	15	35	—	4	2	1	—	1	—	4	33	189
Power and Fuel ..	—	—	—	—	—	3	1	80	—	1	—	—	—	—	—	—	—	16	—	1	—	—	—	—	—	—	1	101
Engineering ..	1	—	—	8	43	6	21	—	2	—	2	18	—	2	—	2	5	23	—	—	—	3	—	2	—	2	21	119
Industry and Trade ..	—	—	1	10	35	3	13	—	4	—	—	8	—	—	1	—	6	19	—	1	—	—	—	—	—	—	20	81
Transport and Communication ..	—	—	—	1	21	12	64	—	5	—	—	—	—	—	—	—	2	21	—	—	—	—	—	—	—	—	15	111
Administration ..	1	—	—	3	11	—	3	—	31	—	2	—	—	—	3	3	1	109	—	1	—	2	—	9	—	4	172	4
Social Services ..	—	—	—	3	14	—	9	—	1	—	1	—	—	—	—	—	—	1	—	1	—	1	—	1	—	—	3	29
Statistics ..	—	—	5	—	9	—	1	—	3	—	2	—	4	—	—	—	—	18	—	12	—	—	—	—	8	—	—	62
Fisheries ..	—	—	—	10	3	—	1	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	10	6	—
Miscellaneous ..	—	—	—	4	20	1	26	—	8	—	—	—	—	2	—	2	8	12	—	—	—	—	—	—	—	13	70	—
TOTAL ..	2	7	69	268	39	352	—	76	17	65	—	10	4	11	45	281	—	28	2	12	1	16	—	17	—	177	1,145	—

The following table shows the subjects in which countries supplied assistance upto June 30, 1953 :—

Subject	AUSTRALIA		CANADA		CEYLON		INDIA		NEW ZEALAND		PAKISTAN		U.K.		TOTAL	
	Experts	Trainees	Experts	Trainees	Experts	Trainees	Experts	Trainees	Experts	Trainees	Experts	Trainees	Experts	Trainees	Experts	Trainees
Education	6	59	1	5	—	—	1	3	4	13	—	—	—	—	13	99
Medical and Health	14	22	—	11	—	—	—	3	9	28	—	—	—	—	44	106
Agriculture and Forestry	10	70	10	30	—	—	—	1	2	31	—	—	—	—	33	189
Power and Fuel	—	11	—	18	—	—	—	1	6	—	—	—	—	—	1	101
Engineering	7	55	1	15	—	—	1	11	20	20	—	—	—	—	21	119
Industry and Trade	1	21	—	3	—	—	3	22	1	11	—	1	—	—	20	81
Transport and Communication	—	37	1	18	—	—	—	1	7	—	—	—	—	—	15	111
Administration	1	81	—	15	—	—	—	1	6	—	—	—	—	—	172	172
Social Services	—	18	—	1	—	—	—	—	1	7	—	—	—	—	3	29
Statistics	—	3	—	2	—	—	—	55	—	1	—	—	—	—	—	62
Fisheries	1	—	9	—	—	—	—	—	—	—	—	—	—	—	10	6
Miscellaneous	4	25	—	—	—	3	—	1	2	10	—	—	—	—	6	70
TOTAL	44	402	31	118	—	3	5	98	19	140	—	3	78	381	177	1,145

PROVISION OF EQUIPMENT

The following table gives the particulars about equipment which India asked upto June 30, 1953:

Brief Description of Request	Supplying Country	Actual Cost or Estimated Cost	(Act.) (Est.)	Present Position
Wool-testing equipment	Australia	£A2,000-0-0	(Act.)	Already supplied.
Microscope	"	£A87-10-0	(Act.)	" "
Mobile Cinema Vans	"	£A9,600-0-0	(Act.)	" "
Equipment for the Indian Dairy Research Institute ..	"			
Equipment for Central Rice Research Institute ..	"			
Equipment for Indian Institute of Technology, Kharagpur ..	"	£A65,000-0-0	(Est.)	Projects proposed for assistance.
Equipment for the Directorate of Plant Protection and Quarantine for Indian Ministry of Agriculture ..	"			
Institute of Biological Control (Buildings and Equipment) ..	Canada	\$38,340 (Canadian)	(Est.)	The Canadian Government is providing \$38,340 for the equipment of the Institute and its maintenance over a two-year period.
Demonstration film "Grasslands of New Zealand" ..	New Zealand	£60	(Est.)	Order placed.
Publications for the National Chemical Laboratory, Poona ..	United Kingdom	£5,000	(Est.)	Firm offer made on June 26, 1952. Publications to the value of £1,892 have been supplied.
Books required by National Physical Laboratory, New Delhi ..	"	£160	(Est.)	Revised Book List awaited.
Books required by the Institute of Mines and Applied Geology, Dhanbad ..	"	£250	(Est.)	Has agreed in principle to supply.
Books required for the Central Electro-Chemical Research Institute, Karaikudi ..	"	£1,850	(Est.)	Agreed in principle. Awaiting revised list of books.
Books required for the Central Leather Research Institute ..	"	£180	(Est.)	Agreed in principle. Awaiting Mac-taggart's report.
Books required by the Geological Survey of India ..	"	£103	(Est.)	Agreed in principle. Initial list supplied (£3).
Books for the Central Buildings Research Institute, Roorkee ..	"	£35	(Est.)	Agreed in principle—Books on order.
Books for the Central Glass and Ceramics Research Institute ..	"	£230	(Est.)	Books on order.
Books required by the Central Food Technological Research Institute Library ..	"	£25	(Est.)	Agreed in principle. India asked to submit revised list.
Books required by the Central Water and Power Commission ..	"	£560	(Est.)	Agreed in principle. India asked to submit revised list.
Books required for the National Chemical Laboratory, Poona ..	"	£200	(Est.)	Books on order.
Microtome for Electron-microscopy supplied to Miss Buch (T.C.S. trainee in the U.K.) ..	"	£56-5-0	(Act.)	Already supplied.
Supply of Equipment for Technical and Vocational training in India : Machine tools, etc., 1950-1951 .. £1,916-18-2 (Act.) Woodworking Machines, 1951-1952 .. £ 662-9-11 (Act.)	"	£2,579-8-1	(Act.)	Supplied in 1950-1951 ; 1951-1952.
Equipment required by Central Water Power, Irrigation and Navigation Research Station, Poona ..	"	£290,000	(Est.)	Agreed.
Equipment, Drugs and Chemicals required by Patel Chest Institute, Delhi University ..	"	Between £20,000 and £25,000	(Est.)	Awaiting acceptance of offer by India.
Equipment for Indian Institute of Technology, Kharagpur ..	"	£30,000 to £35,000	(Est.)	All equipment despatched.
Equipment required for the Christian Medical College Hospital, Vellore ..	"	£12,500	(Est.)	Offer made to India. Details of request under investigation.
Equipment for the Silver Jubilee T.B. Hospital, Delhi ..	"	£1,000	(Est.)	Firm offer on June 13, 1953 for supply of equipment recommended by Dr. Scadding.
Equipment required by National Metallurgical Laboratory, Jamshedpur ..	"	£40,000 to £60,000	(Est.)	Agreed in principle
Equipment for the Bengal Engineering College, Calcutta ..	"	£70,000	(Est.)	The Government of India has been asked for additional information.
Films and Equipment required by the Central Leather Research Institute ..	"	£6,400	(Est.)	Agreed in principle.
Equipment for the Central Electro-Chemical Research Institute, Kara kudi ..	"	£8,500	(Est.)	" "
Equipment for the Geological Survey of India ..	"	£3,700	(Est.)	" "
Equipment for the Central Building Research Institute, Roorkee ..	"	£7,118	(Est.)	New Delhi to enquire whether this has already been met under U.S. Aid Scheme.
Equipment for Central Glass and Ceramics Research Institute ..	"	£8,000	(Est.)	Offer to supply part of equipment requested.
Surgical Equipment for use of Orthopaedic Surgeon and Team of Physiotherapists ..	"	£3,750	(Est.)	Equipment already supplied valued at £717-8-0.
Equipment for the Institute of Mines and Applied Geology, Dhanbad ..	"	£3,700	(Est.)	Procurement under way.
Equipment for the Fuel Research Institute, Dhanbad ..	"	£16,000	(Est.)	Offer made to India provided it has not been met from another source.
Equipment for the National Chemical Laboratory, Poona ..	"	£3,322	(Est.)	Agreed in principle.
Equipment for Hydrographic Office, Dehra Dun ..	"	....		U.K. are not prepared to meet the request under the Technical Co-operation Scheme.
Equipment for Blood Transfusion Unit, Irwin Hospital, New Delhi ..	"	£1,800	(Est.)	Agreed in principle.
Teaching Aids and Text Books for two experts for the Lady Hardinge Medical College ..	"	£3,750	(Est.)	Consideration deferred.

GOVERNMENT INDUSTRIAL UNDERTAKINGS

IN the following pages we give short notes on Government industrial undertakings.

The following are under the Ministry of Production: D.D.T. factory, Government Housing factory, Heavy Electrical Power Plant factory (not set up), Hindustan Machine Tools Ltd., Iron and Steel factory (not set up), Nahan Foundry Ltd., National Instruments factory, Penicillin factory (not set up), Sindri Fertilizers and Chemicals Ltd., Telephone Cable factory, Vishakapatnam Shipbuilding yard.

The following factory is under the Ministry of Defence: Hindustan Aircraft Ltd.

The following factory is under the Ministry of Communications: Indian Telephone Industries.

The following factories are under the Ministry of Natural Resources and Scientific Research: Indian Rare Earths Ltd., Bombay Uranium-Thorium factory (under construction).

The following factory is under the Ministry of Railways: Chittaranjan Locomotive Works.

BOMBAY URANIUM-THORIUM FACTORY (Trombay, Bombay)

The foundation stone of this factory was laid on January 1954. It will work under the auspices of the Atomic Energy Commission.

The cost of the factory is estimated at Rs. 45 lakhs and it is expected to be completed by the end of 1954.

It will produce 205 to 228 tons of thorium nitrate per annum.

The factory will process indigenous uranium and thorium ores, as well as the uranium-bearing residues of the Indian Rare Earths Ltd., Alwaye.

The uranium will be extracted, purified and converted into metal for use in atomic reactors.

The ores will come from Bihar and other parts of India. From the Alwaye factory will come the residual coke left after the rare earth chlorides, carbonates and tri-sodium phosphates are extracted from the monazite.

The factory will be self-supporting and will meet its operating costs through the sale of its thorium compounds to the Indian gas mantle industry.

CHITTARANJAN LOCOMOTIVE WORKS

(Chittaranjan, Burdwan Dt., West Bengal;
4 Chittaranjan Avenue, Calcutta 13)

The works are under the Ministry of Railways. Construction started on April 1, 1948 and was completed on September 30, 1952.

Production started on January 26, 1950. The first locomotive rolled out on November 1.

The total investment is Rs. 14.93 crores.

The total number of workers (1953 July) was 3,426.

The present out-turn is five locomotives per month.

Capacity when complete will be 120 steam locomotives, and 50 spare boilers per year, working single shift.

The production schedule has been as follows:

Year	No. of locomotives	Percentage of parts manufactured
1950	3	—
1951	33	30
1952	45	70
1953	66	80
1954	90	100

General Manager, P. C. Mukerjee.

D.D.T. FACTORY (Delhi)

A site adjacent to D.C.M. Chemical Works has been chosen for the factory.

The factory will be managed by Government through a private limited company with a Board of Directors under the Ministry of Production.

The factory was expected to go into production before the end of 1953.

The plans are based on an agreement concluded between the Government of India, WHO and UNICEF on the 19th July 1952.

Under this, the UNICEF will supply all imported equipment involving an expenditure of about \$250,000. WHO will arrange and provide all technical assistance for the Factory involving an expenditure of about \$100,000 and the Government of India will arrange for the provision of land, buildings, steam, water, electricity, etc., at an expenditure of Rs. 22,45,000.

The Delhi Cloth and General Mills have agreed to provide the required steam and water supplies, as well as the necessary sulphuric acid, alum and chlorine for the factory at reasonable prices.

GOVERNMENT HOUSING FACTORY (Jangpura, New Delhi)

The factory which was built in the middle of 1950 is managed by a company under the Ministry of Production.

It was decided in May, 1952 that the factory should be utilised for producing pre-fabricated houses in association with Messrs. Basakha Singh Wallenberg Ltd. (the BSW), an Indo-Swedish firm.

Negotiations with the firm took definite shape and the approval of the Cabinet was obtained in September 1952 to the main heads of agreement with the firm.

In slight modification of the previous decision, it was decided that the factory should be used for the production of foam concrete roofing slabs, pre-stressed concrete housing components, wooden doors and windows in standard patterns, and for the fabrication of steel.

In pursuance of this decision, an agreement was signed between the Government of India and the B.S.W. on the 6th December, 1952.

The salient features of the new scheme are:—

A company called the Hindustan Housing Factory Limited, has been floated to control and manage the affairs of the factory.

The paid-up share capital of this Company is Rs. 1 lakh, contributed equally by the Government and the B.S.W. The two partners are entitled to nominate an equal number of Directors on the Board, and the Chairman is appointed by the Government in consultation with the B.S.W.

To this company, the Government will lease the fixed assets of the present factory at a rent equivalent to the normal depreciation allowable under the income tax law, and the B.S.W. will lease to the company on similar terms all the additional machinery required.

The working capital necessary for the day to day expenses of the factory will be provided by the B.S.W. free of interest.

Government are not expected to incur any expenditure apart from the subscription to the share capital of the company but they are entitled to 40 per cent of the profits which may become available for distribution.

The Hindustan Housing Factory Limited was incorporated on the 27th January, 1953.

The Board of Directors have since decided to take over immediately, on lease, the assets of the Government Housing Factory and start large-scale manufacture of all forms of wood-work for buildings, particularly doors, windows and furniture, pending the import of the additional machinery required for the production of pre-stressed concrete products.

Chairman, Dr. S. B. Bhatnagar.

Managing Director, Sardar Sasakh Singh.

Directors, S. Ranganathan, I.C.S.; K. R. P. Aiyangar; Sardar Mohkam Singh.

HEAVY ELECTRICAL POWER PLANT INDUSTRY

The need for the establishment of a heavy electrical power plant industry in India as a key industry for generation, transmission and distribution of power in the country has long been felt, but due to financial stringency, the proposals could not be proceeded with earlier.

In view, however, of the fact that hydro-electric schemes have made considerable headway and large-scale electrification of railways to increase line capacity is also becoming a necessity, it has been considered that, to make India self-sufficient, it is essential to establish a factory in India to manufacture heavy electrical equipment.

The Planning Commission has provided Rs. 7 crores for this project out of the lump sum provision of Rs. 50 crores for basic industries and transport.

HINDUSTAN AIRCRAFT LTD. (Bangalore Dist., Mysore)

The company is managed by a Board of Directors under the Ministry of Defence.

It was started in 1940 and has a staff of about 8,500 including workers.

It now undertakes the following kind of work:

Repair and overhaul, arisings of all civil and Air Force aircraft in India; manufacture of trainer aircraft for Air Force and civil flying clubs' use; overhaul of aero-engines and other aircraft components; manufacture of all-metal broad gauge railway coaches; manufacture of heavy duty single and double decker bus bodies.

Board of Directors:

Chairman, Secretary, Ministry of Defence.

Vice-Chairman, J. R. D. Tata.

Directors, K. Bhavanishankar Rao (Financial Adviser, Ministry of Defence); E. V. Ganapathy Iyer (Director of Industries and Commerce, Mysore).

Board of Management:

Chairman, J. M. Shrinagesh, I.C.S.

Members, J. R. Stranding (Chief Production Engineer); Dr. V. M. Ghatage (Chief Designer); V. G. Kamath (Financial Manager).

Some important officials:

Factory Manager, Albert Zampolino.

Chief Inspector, H. K. Karve.

Chief Commercial Engineer, A. Mitra.

Personnel Manager, G. Vasudeva Rao.

Sales Manager, A. C. Banerjee.

Purchasing Manager, P. P. Patel.

Stores Manager, G. N. Krishnaswami.

HINDUSTAN MACHINE TOOLS LTD. (Jalahalli, Bangalore)

This is a private limited company under the Ministry of Production registered in Mysore on February 7, 1953.

The Registered Office of the Company and the factory are located at Jalahalli, Bangalore.

The plans are based on an agreement between the Government of India and Messrs. Oerlikon Machine Tool Works, Buehrle & Co., Zurich, Switzerland, concluded in April 1949.

The company envisages manufacture in the final stage of 900 high speed lathes, 460 milling machines, 240 heavy duty drilling machines, shaping and planing machines at an estimated capital cost of Rs. 8.37 crores.

Building work is now in progress. Plant and Machinery worth about Rs. 50 lakhs were expected to arrive by the end of 1953.

The first stage with a capacity for manufacturing 400—8½" centre high speed lathes or any other allied machine tools was expected to be completed by the end of 1953.

Key technical personnel (both Indian and European) numbering about 25 have already been recruited. Skilled Indian technical workers are being recruited.

About 750 workers (excluding the supervisory personnel) are expected to be employed when the factory goes into full production.

The company will be largely financed by Government. The foreign consultants are allowed 15 per cent of the shares, out of which they will pay 10 per cent in cash, while the remaining 5 per cent will be issued without payment in return for their technical services.

It may be added that today there are 16 graded and 100 ungraded firms in India, but the annual value of the graded machine tools produced by them is less than Rs. 40 lakhs.

Production is still confined to essentially simple and primary types of tools. The industry is not in a position to manufacture precision types of machine tools.

The monetary value of the annual demand is estimated at Rs. 10 crores.

Chairman, Board of Directors, Secretary, Ministry of Production.

Managing Director, Aftab Rai.

Members, P. C. Bhattacharya; K. R. P. Aiyangar; Dr. A. Gerber; N. N. Wanchoo, I.C.S.; Dr. Otto M. Wenger.

INDIAN RARE EARTHS LTD.

(Alwaye, Travancore-Cochin)

This factory is owned jointly by the Government of India and the Government of Travancore-Cochin.

The subscribed capital is Rs. 80 lakhs, of which the Government of India's share is 55 per cent and of the Travancore-Cochin Government 45 per cent.

The technical consultants are Societe de Produits Chimiques de Terres Rares.

The factory started production in July 1952. It has the capacity to produce 1,500 tons of rare earths chlorides and carbonates, and about 1,800 tons of trisodium phosphate a year from the monazite that will be dug up.

The chlorides and carbonates which are exported are used in the manufacture of aerial camera lenses, cinema projector carbon arcs, special optical glasses and so on.

The phosphates which are a substitute for soda ash will be used in textile mills, soap factories, and for general cleaning purposes in mills and factories.

INDIAN TELEPHONE INDUSTRIES LTD.

(Duravani Nagar, Bangalore Dt., Mysore)

Branches: National Insurance Bldg., 27, Bastion Road, Bombay 1; 22, Chittaranjan Avenue, United India Bldgs., Calcutta 13; Telephone House, Netaji Subhas Road, Madras 1.

This was originally started as a Government department in 1948 under the Ministry of Communications. On Feb. 1, 1950 it was converted into a private limited company with the Government of India as the major shareholder.

Total Investment:

Authorised Capital..	Rs. 2,50,00,000
Subscribed Capital..	.. 2,50,00,000
Working Capital ..	.. 2,50,84,200

Board of Directors:

B. N. Jha, I.C.S. (*Chairman*); B. R. Batra; A. F. Bennett; A. J. Mantle (*Alternate Director*); Vithal N. Chandavarkar; E. V. Ganapati Iyer; S. Jayasankar; P. A. Narielwala; E. Natarajan (*Managing Director*).

Administration:

General Manager, Jagdeesh Prasad.

Manager, N. K. Sen Gupta.

Secretary, D. V. M. Rao.

The Company is the sole agent for its associate—the Automatic Telephone & Electric Co., Ltd., Liverpool, England.

Facts and Figures

Present Production 40,000 telephones per annum; 25,000 exchange lines per annum.

Production target: 50,000 telephones per annum; 30,000 exchange lines per annum.

Number of persons employed (as on 31st October 1953):

Technical—1,525; Non-technical and Administrative—762; Total—2,287.

The factory normally works a single shift. Only some sections are at present working two to three shifts.

The following amenities are provided:

Three Canteens are run for providing lunch to workers and staff, two of which are worked by the Employees' Co-operative Society.

Other amenities include a well-equipped dispensary, a well-organised sports club, a library and reading room.

Free milk is supplied to employees doing hazardous work.

There is a separate rest rooms for girls.

The employees themselves have organised a voluntary fund for giving financial aid to needy employees in emergencies.

Seven twin block quarters are provided for the staff who do essential jobs. There is a hostel in which accommodation has been provided to some of the employees. Forty-eight other quarters are now under construction.

In co-operation with the Hindustan Aircraft Ltd., bus transport facilities have been provided for about 450 employees.

There is a technical society for the senior staff where they meet and discuss subjects of scientific interest.

All the employees enjoy the benefit of film shows at frequent intervals free of charges.

IRON AND STEEL PROJECT

In view of the acute shortage of pig iron and steel in the country, Government decided in February, 1952 that, along with other measures, negotiations should be opened with steel firms abroad for putting up a blast furnace of suitable capacity at a new site to be selected in consultation with the prospective participants.*

It was also decided that Government would participate in the undertaking by providing necessary finance.

The estimated cost is Rs. 71.25 crores.

Negotiations were thereupon carried on with various parties by the Ministry of Production.

In October, 1952 Government decided to depute three officers, namely, Mr. C. C. Desai, Mr. P. C. Bhattacharyya and Mr. S. Bhoothalingam to the U.S.A. for further negotiations with some foreign parties and the World Bank. The officers returned to India towards the end of December, 1952 and submitted a Report to Government on the results of their discussions in the U.S.A.

On consideration of their Report Government decided early in January, 1953 to set up a technical mission to prepare a project report for the establishment of the new iron and steel plant.

Government have also decided to nominate Messrs. Koppers, a well-known firm of the U.S.A., as technical consultants to the Government of India on this Mission.

The Mission which consists of Dr. E. W. Rembert of the World Bank, Mr. Hill of Koppers and Mr. C. R. Natesan, Iron and Steel Controller in the Ministry of Commerce and Industry, is now engaged on the preparation of a revised project report.

NAHAN FOUNDRY LTD.

(Nahan, Sirmoor District, Himachal Pradesh)

This was started in 1876 and has been continuously expanded.

The total investment is about Rs. one crore and the number of persons employed is 500 in the works and 300 in the agencies.

Production consists of an improved type of cane crushers, bullock and power driven; centrifugal pumps in different sizes; a new patented device "Sarovar" for taking out water by bullock power for irrigation purposes; paddy-threshers; ploughs; corn-sheller machine (a new patented machine for separating maize corn from their cobs); chaff-cutters of different types; boiling pans; cast iron sheets; flour mills, power and bullock driven; and miscellaneous items.

The company has a network of 74 agencies in north India with mobile workshops which cater to the needs of the cultivator in the villages in respect of machines, and also undertake repairs at site.

It is managed as a private limited company (which took over on Jan. 1, 1953) with the President holding all the shares. The affairs are looked after by the Ministry of Production.

The Board of Directors:

V. L. Goswami (*Chairman*), N. C. Mallick, B. S. Bhattacharya, K. L. Mehta, I.C.S., Ram Lal, I. N. Sewal.

General Manager and Chief Engineer, Gandharv Sain.

NATIONAL INSTRUMENTS FACTORY

(15, Wood Street, Calcutta 16)

Total investment Rs. 90 lakhs. Value of production and repair for 1952 Rs. 17.31 lakhs. Value up to Oct. 30, 1953 Rs. 13.82 lakhs. Number of persons employed 989.

This is under the Ministry of Production.

It is one of the oldest if not the oldest factory in India engaged in the manufacture and repair of scientific and mathematical instruments in India.

It manufactures prismatic binoculars, telescopes, prismatic liquid compasses, sun compasses, thermometers, aircraft instruments, excise apparatus, hydrometers, measuring cylinders, barometers, manometers, students' microscopes, concentration eye-pieces, Fortin's barometers, drafting machines, and profile projectors.

The value of the production for the first nine months of 1952 was Rs. 13.58 lakhs.

The Planning Commission has provided Rs. 182 lakhs for the plan period to reorganize the factory.

Superintendent, B. C. Mukherji.

PENICILLIN FACTORY

(Pimpri, Poona Dt.; Indian Penicillin Committee, King Edward Road, Parel, Bombay 2)

This is to have the company form of management under the Ministry of Production and is to be located at Pimpri near Poona.

The plans are based on a tripartite agreement between Government of India, World Health Organisation (W.H.O.) and United Nations International Children's Emergency Fund (UNICEF), concluded on 24th July 1951.

Government will provide land, buildings, fittings, administrative offices, laboratories, pilot plant, workshop, other services like steam plant, electric substation, sewage disposal, water, etc.

Estimates for providing these are Rs. 1,30,00,000.

UNICEF will supply imported equipment valued \$850,000.

W.H.O. will provide technical assistance valued \$350,000.

The factory is planned to produce 3,600 billion units of Penicillin per year to start with, rising to 9,000 billion units.

Construction of non-residential buildings is in progress and was expected to be completed by the end of March, 1953.

*It is now decided that the plant should be located at Bourkola in Orissa.

Orders have been placed by the UNICEF for a major portion of the plant and equipment, and consignments were to start arriving from January 1953.

Some eleven technical officers are expected to have their training abroad.

To meet the immediate needs of Penicillin a Penicillin Bottling Plant with a capacity of 10,000 vials a day and on average 1,500 billion units per year has been set up in the compound of the Haffkine Institute, Bombay.

SINDRI FERTILIZERS AND CHEMICALS LTD. (Sindri, Bihar)

This is a State-owned private limited company, in which all shares except eight (allotted one each to the chairman and seven directors) are held by the President of India. The company was registered on December 18, 1952.

The Secretary to Government in the Ministry of Production is the Chairman of the Board of Directors.

Authorized share capital Rs. 30 crores; paid up—Rs. 17 crores. A further sum of Rs. 7.5 crores was invested by the Government as a loan at 4½ per cent interest.

Profit during the first 14 months was Rs. 2.7 crores. After providing for depreciation, renewal, replacement and partial write-off of development expenditure, the net profit was Rs. 96,000.

Started production—February 7, 1952 (bags of ammonium sulphate went out).

Average daily production—1,000 tons of ammonium sulphate. This is about 80 per cent of rated capacity.

Target—350,000 tons a year. This should help in the production of one million tons of extra food a year valued at Rs. 40 crores. It will also result in a saving of foreign exchange of about Rs. 12 crores a year in the import of artificial fertilizers.

Total production upto March 31, 1953—230,000 tons.

Price—Rs. 200 per ton.

The factory consists of gas, ammonia, sulphate plants; power from 80,000 kW Power House; water (some 12 million gallons a day under full production condition). Adequate arrangements have been made to ensure this large supply of water from the Damodar river for the factory and connected activities.

A barrage has also been thrown over the Gowai, a tributary of the Damodar, impounding about 1,000 million gallons of water as a stand-by.

Then there are a bagging plant, marshalling yards and 12-mile railway track.

The factory was 100 per cent complete at the end of 1951; it started production October 31, 1951; gas plant started 13th April 1951; production of anhydrous ammonia started 28th August 1951; marshalling yards completed 30th August 1951; bagging plant commissioned 4th February 1952; bags of ammonium sulphate went out of the factory 7th February, 1952.

The township is designed for 4,000 employee families or 20,000 persons; is 1,375 acres; has 4 groups of composite and self-sufficient colonies; all modern amenities (electricity, water supply, sanitary services, roads). The township is now complete and fully occupied.

There are also a hospital, branch dispensaries, first-aid posts, an English high school for boys and girls, three primary schools and one Kindergarten school.

Sindri's development plans include the establishment of a coke oven plant for the manufacture of 600 tons of coke per day.

A contract for this plant costing Rs. 2.35 crores has been placed and construction work is already in hand.

The erection of a cement manufacturing plant by the A.C.C., with an installed capacity of 600 tons of cement a day for the utilisation of Sindri's by-product—chalk sludge—is being undertaken.

It is also proposed to utilise the coke oven gases for the manufacture of urea, a stable fertilizer with high nitrogen content, which is ideal for rice cultivation.

A Fertilizer Mission, appointed by the Government of India in association with the T.C.A., has returned from a world tour after studying the manufacturing processes employed in some of the modern fertilizer plants in the world and has submitted a comprehensive report to the Government of India on the basis of which a joint decision by the Government of India and the T.C.A. will be taken on Sindri's expansion plans for production of other nitrogenous fertilizers like urea and ammonium nitrate.

These expansion plans are estimated to cost about Rs. 9.5 crores.

It is also proposed to set up an independent and efficient marketing organisation for Sindri to take over the distribution responsibilities of its product from January 1954.

Board of Directors:

Chairman, Secretary to Government of India, Ministry of Production.

Members, J. J. Ghandy; Sri Ram; Sri Narayan Mahtha, M.P.; Financial Commissioner, Railways; Joint Secretary, Ministry of Finance (I. & C. Div.); A. B. Chatterji, I.C.S.; S. R. Vasavada, M.A., M.L.A.

Mg. Dir., A. B. Chatterji, I.C.S.

TELEPHONE CABLE FACTORY

(Rupnarainpur, Burdwan Dt., West Bengal)

The control and management are in the hands of an entirely Government-owned private limited company named Hindustan Cables Ltd., under the Ministry of Production.

The factory started operating on Nov. 10, 1952.

The estimated cost of the factory is Rs. 110 lakhs, and the sale value of the annual output—Rs. 87 lakhs.

It is designed to produce annually 469 miles length of cables of different specifications, and was expected to go into production by December 1953.

The planning and lay-out of the factory has been completed. Consignments of plant and machinery have started arriving.

The plans are based on an agreement with the Standard Telephones and Cables Ltd. of U.K. concluded on Oct. 31, 1949. According to this agreement technical consultants were to prepare drawings, designs, estimates, supervise erection of factory, provide engineers at their cost for initial construction, put plant and machinery into service, train Indian personnel.

Chairman, Board of Directors, General Manager, Chittaranjan Locomotives.

Members, B. C. Mukherji (of Sindri Fertilizers); M. P. Birla; D. C. Driver; G. D. Ambekar; three officials of the Ministry of Production, Finance, Communications.

VISHAKAPATNAM SHIP-BUILDING YARD (Vishakapatnam, Andhra)

This is located at Vishakapatnam in Andhra State. It was originally designed by the firm of Sir Alexander Gibb and Partners.

It is on eight-berths basis, but now has 3 building berths to build ships ranging from 320 to 550 ft. in length, and from about 5,000 tons to about 15,000 tons deadweight capacity.

The construction of a fourth berth will soon commence.

It has also a fitting-out wharf 1,200 ft. long which permits fitting out of 6 large ships and 3 medium-sized ships in one year.

There are about 3,400 technicians, workers and staff.

There is a housing estate for employees on a site of 145 acres of land, provided with electricity, water supply, playgrounds, parks, school and hospital buildings, where about 1,500 families of the staff, workers and officers are accommodated.

The yard has been managed by Hindustan Shipyard Limited since the 1st of March 1952, a company in which the Government of India have a controlling interest.

The Board of Directors consists of 8 Government nominees including the Chairman and 4 nominees of Scindia Steam Navigation Co. Ltd.

The authorised capital of Rs. 10 crores is divided into 100,000 ordinary shares and issued in four stages and so arranged that Government contributes two-thirds of capital, thus acquiring a controlling interest.

Technical assistance is provided by Societe Anonyme des Ateliers et Chantiers de la Loire, a French firm of ship-builders under an agreement entered into with them.

So far (Dec. 1953) 10 ships of 8,000 tons each have been built, 4 on Scindia's account, and 6 on Government account.

Orders to build 9 more ships are under execution.

Of these 2 are of 8,000 tons deadweight and are of the same design as those built already.

The remaining 7 will be of different design, viz., Maelform design, and will be propelled by diesel engines—2 being of 8,000 DWT, and the remaining 5 being of 7,000 DWT.

A provision of Rs. 14.08 crores in the Five-Year Plan has been made for the acquisition and development of the ship-building yard and construction of ships.

The following table gives details about the ships built at the yards:

Name of ship	Date of laying keel	Date of launching	Date of completion and sailing	To whom sold
1. "Jalausha" (8,000 DWT) ..	22-6-46	14-3-48	15-10-48	Scindia S. N. Co. Ltd.
2. "Jalaprabha" ..	22-8-46	20-11-48	31-3-49	"
3. "Kutubtari" (245 DWT) ..	23-5-47	18-12-48	19-5-49	"
4. "Jalapraakash" (8,000 DWT) ..	27-5-48	8-8-49	14-12-49	"
5. "Jalapankhi" ..	7-1-49	6-12-49	31-3-50	"
*6. "Jalapadma" ..	26-1-50	14-9-50	14-1-51	"
*7. "Jalapalaka" ..	26-1-50	27-12-50	29-3-51	"
*8. "Jalaputra" ..	28-9-50	26-3-51	29-6-51	Bharat Line Ltd.
*9. "Jagrani" ..	9-5-51	15-12-51	4-6-52	Great Eastern Shipping Co. Ltd.
*10. "Jalapratap" ..	9-5-51	27-2-52	31-7-52	Scindia S. N. Co. Ltd.
*11. "Jalapushpa" ..	26-12-51	9-7-52	30-9-52	"

* These six ships were ordered by Government.

The company is managed by a Board of Directors as already mentioned under the Ministry of Production. Chairman, N. R. Pillai, I.C.S. Managing Director, R. L. Gupta, I.C.S. Members, K. B. P. Aiyangar; N. Dandekar, I.C.S.; S. Jagannathan, I.C.S.; Dharamsey M. Khatau; Tulidas Kilachand; Michael John; Paul Maerton; Capt. Newham; Kasturba Lalbhai; P. C. Bhattacharya.

FOREIGN INVESTMENTS IN INDIA*

IN 1948 the Reserve Bank conducted a census of foreign investments in Indian joint-stock companies. The more important findings are given in the tables below. The figures are still the latest available ones, as there have been no official investigations since 1948.

It was found that about 2,300 foreign companies had investments in India, of which 334 had direct investments.

The number of companies with 95 per cent of its investments from abroad was 150, and of companies with 68 per cent of its investment from abroad was 68 per cent.

The first two tables show the investments business-wise and country-wise.

Note that equity capital comprises ordinary and deferred shares. Creditor capital comprises preference shares and debentures.

(In lakhs of rupees)

Country	MANUFACTURING			TRADING			UTILITIES			TRANSPORT		
	Equity capital	Creditor capital	Total	Equity capital	Creditor capital	Total	Equity capital	Creditor capital	Total	Equity capital	Creditor capital	Total
United Kingdom	10,15	3,60	13,75	3,60	21	3,81	3,72	22	3,94	64	31	95
Pakistan	5,32	86	6,18	33	1	34	47	8	55	1,35	2	1,37
Nepal	1,67	45	2,12	15	10	25	12	4	16	34	..	34
Iran	1	..	1	..	..	..	..	..	..	1,45	..	1,45
Union of S. Africa	31	4	35	1	..	1	2	1	3	10	..	10
Canada	49	3	52	1	..	1	..	..	..	..	..	..
United States	17	3	20	33	..	33	1	..	1	1	..	1
British Africa	30	14	44	4	1	5	3	..	3	23	..	23
Switzerland	61	2	63	..	..	..	1	1	2	2	..	2
Burma	7	..	7	7	1	8	1	..	1	2	..	2
Portuguese	18	3	21	..	..	..	4	1	5	13	..	13
Australia	8	2	10	1	..	1	1	..	1	..	..	..
Ceylon	8	2	10	4	..	4	1	..	1	3	..	3
France	10	3	13	1	..	1	..	..	..	..	..	..
Japan	17	..	17	..	..	..	..	..	..	..	..	..
Sweden	10	..	10	2	..	2	..	..	..	..	..	..
Norway .. .. .	..	..	..	3	..	3	..	..	..	10	..	10
New Zealand .. .. .	..	..	..	7	..	7	..	..	..	..	..	..
Malaya	1	..	1	1	..	1	1	..	1	..	..	..
Other Countries	35	6	41	5	5	10	1	1	2	6	..	6
TOTAL	20,17	5,33	25,50	4,78	39	5,17	4,47	38	4,85	4,48	33	4,81

(In lakhs of rupees)

Country	MINING			FINANCIAL			MISCELLANEOUS			GRAND TOTAL		
	Equity capital	Creditor capital	Total	Equity capital	Creditor capital	Total	Equity capital	Creditor capital	Total	Equity capital	Creditor capital	Total
United Kingdom	1,22	8	1,30	7,18	12	7,30	7,90	1,85	9,75	34,41	6,39	40,80
Pakistan	26	5	31	1,74	15	1,89	45	17	62	9,92	1,34	11,26
Nepal	19	7	26	31	6	37	45	13	58	3,23	85	4,08
Iran	6	..	6	4	..	4	2	..	2	1,52	..	1,52
Union of S. Africa	6	..	6	4	..	4	68	3	71	1,22	8	1,30
Canada	69	1	69	2	..	2	6	..	6	1,26	8	1,29
United States	17	1	18	2	..	2	24	6	30	95	10	1,05
British Africa	1	..	1	9	..	9	9	1	10	79	16	95
Switzerland	1	..	1	1	..	1	3	..	3	69	3	72
Burma	1	..	1	43	..	43	1	..	1	62	1	63
Portuguese India .. .. .	..	..	..	9	1	10	..	..	..	44	5	49
Australia	7	..	7	..	..	..	17	..	17	34	2	36
Ceylon	1	..	1	3	..	3	7	1	8	26	4	30
France	1	..	1	1	..	1	2	..	2	15	3	18
Japan .. .. .	..	..	..	..	..	..	..	..	..	17	..	17
Sweden .. .. .	..	..	..	..	..	..	1	1	2	13	1	14
Norway .. .. .	..	..	..	..	..	..	..	..	..	13	..	13
New Zealand .. .. .	..	..	..	1	..	1	3	..	3	11	..	11
Malaya .. .. .	..	..	..	3	..	3	5	1	6	11	1	12
Other Countries	3	2	5	11	..	11	5	1	6	66	15	81
TOTAL	2,73	24	2,97	10,16	34	10,50	10,12	2,29	12,61	57,11	9,30	66,41

* See also p. 130.

Particulars Relating to Firms Controlled from Abroad

(In thousands of rupees)

Country	MANUFACTURING		TRADING		MISCELLANEOUS		TOTAL	
	Total capital	Capital owned abroad	Total capital	Capital owned abroad	Total capital	Capital owned abroad	Total capital	Capital owned abroad
United Kingdom	2,07	82	..	..	1,51,47	1,02,39	1,53,54	1,03,21
Switzerland .. .. .	..	..	23,23	23,23	..	..	23,23	23,23
Iran .. .. .	..	..	9,47	7,47	..	..	9,47	7,47
Pakistan .. .. .	..	..	7,50	6,85	..	..	7,50	6,85
Spanish Africa .. .. .	..	..	12,00	5,30	..	..	12,00	5,30
Ceylon .. .. .	..	..	5,68	3,35	..	..	5,68	3,35
French Africa .. .. .	..	..	5,49	2,75	..	..	5,49	2,75
British Africa .. .. .	..	..	2,73	2,31	..	..	2,73	2,31
Japan	4,15	1,66	..	..	..	..	4,15	1,66
Other countries .. .. .	..	..	92	60	..	..	92	60
TOTAL	6,22	2,48	67,02	51,86	1,51,47	1,02,39	2,24,71	1,56,73

Investments in Specific Manufactures

The four following tables show investments in specific manufactures.

(In lakhs of rupees)

Country	Jute	Cotton	Woollen	Silk	Sugar	Cement	Paper
United Kingdom	3,91	3,39	6	2	66	39	20
Pakistan	47	1,54	10	5	21	1,60	28
Nepal	14	30	1	—	—	11	16
Canada	2	31	—	—	1	—	—
Union of S. Africa	11	8	—	—	3	2	1
United States	3	6	—	—	—	—	1
Switzerland	2	4	—	—	1	—	1
Australia	3	1	—	—	1	1	—
Ceylon	—	5	—	1	—	1	—
France	7	1	—	—	1	—	—
Other Countries	5	9	—	—	5	6	—
TOTAL*	4,88	5,98	17	8	1,17	2,31	69

(In lakhs of rupees)

Country	Matches	Printing and Publishing	Chemicals	Breweries and Distilleries	Iron and Steel Hardware	Machinery and Mill Stores	Machine Tools
United Kingdom	1	3	10	6	3,34	6	8
Pakistan	2	—	14	1	74	5	3
Nepal	1	—	10	—	27	3	—
United States	—	—	5	—	3	—	—
Switzerland	53	—	—	—	2	—	—
Portuguese India	1	—	1	—	7	1	—
Australia	1	—	1	—	2	—	—
Ceylon	—	—	1	—	1	—	—
Japan	—	—	—	—	17	—	—
Sweden	8	—	—	—	1	—	—
TOTAL*	67	3	53	7	4,81	15	13

(In lakhs of rupees)

Country	Automobiles and spare Parts	Non-Ferrous Metals	Tanneries	Medicines and Pharmaceuticals	Electrical Goods	Cigarettes	Paints and Colours
United Kingdom	1	1	3	25	6	3	13
Pakistan	30	3	—	—	5	2	—
Nepal	2	—	—	1	1	16	—
United States	—	—	—	—	—	—	—
Canada	—	—	17	—	—	—	—
TOTAL*	51	4	20	28	13	21	13

* Includes investments of countries other than those listed in the table.

(In lakhs of rupees)

Country	Food Products	Toilet Articles	Building Materials	Rubber	Railway Stores	Glassware	Others
United Kingdom	10	2	3	27	20	1	29
Pakistan	4	3	—	22	15	—	10
Nepal	6	4	—	4	12	1	32
Union of S. Africa	1	—	—	1	—	—	4
United States	—	—	—	2	—	—	—
British Africa	1	—	—	1	1	—	5
TOTAL*	22	9	3	58	49	2	90

Investments in Specific Trades

The following four tables show the investments in specific trades.

(In lakhs of rupees)

Country	Retail	Jute	Cotton	Food Products	Hides and Skins
United Kingdom	2	6	2	17	1
Pakistan	—	1	8	1	—
United States	—	—	—	—	1
Sweden	—	—	—	2	—
Norway	—	—	—	3	—
New Zealand	—	—	—	7	—
TOTAL*	2	7	11	30	2

(In lakhs of rupees)

Country	Automobiles and Spare Parts	Electrical Equipments	Books	Mineral Oils	Motion Pictures
United Kingdom	43	50	9	12	4
Pakistan	16	1	—	1	1
Nepal	2	20	—	—	—
United States	4	—	—	17	6
Burma	—	—	—	7	—
Ceylon	1	—	1	—	—
TOTAL*	67	74	10	38	11

(In lakhs of rupees)

Country	Radios	Medicines and Pharmaceuticals	Tea	Iron and Steel Products	Non-Ferrous Metals
United Kingdom	—	1	23	22	—
Pakistan	—	2	—	1	—
United States	—	2	—	3	—
Burma	—	—	—	—	1
TOTAL*	4	5	24	27	1

(In lakhs of rupees)

Country	Instruments and Apparatus	Cigarettes	Others
United Kingdom	4	5	1,80
Pakistan	—	—	2
Nepal	—	—	3
United States	—	—	—
Ceylon	1	—	1
TOTAL*	7	5	1,92

* Includes Investments of countries other than those listed in the table.

Investments in Specific Utilities

(In lakhs of rupees)

Country	Electricity	Gas	Telephones and Cables
United Kingdom	3,69	1	24
Pakistan	55	—	—
Nepal	14	2	—
Union of S. Africa	3	—	—
United States	1	—	—
British Africa	3	—	—
Switzerland	2	—	—
Portuguese India	5	—	—
TOTAL*	4,58	3	24

Investments in Transport

(In lakhs of rupees)

Country	Railways and Ropeways	Motor	Shipping	Airways
United Kingdom	52	—	39	4
Pakistan	3	1	1,27	6
Nepal	23	—	6	5
Iran	—	—	1,45	—
United States	—	—	1	—
British Africa	—	—	23	—
Switzerland	1	—	1	—
Portuguese India	—	—	13	—
Ceylon	—	—	2	1
Norway	—	—	10	—
TOTAL*	82	1	3,81	17

Investments in Mining

(In lakhs of rupees)

Country	Coal	Iron and Manganese	Mica	Others
United Kingdom	1,11	2	3	14
Pakistan	27	—	1	3
Nepal	24	—	—	2
Canada	—	—	—	69
United States	2	1	—	15
Australia	7	—	—	—
TOTAL*	1,85	3	4	1,05

Financial Investments

(In lakhs of rupees)

Country	Banks	Life Insurance	Non-life Insurance	Investment	Others
United Kingdom	4,52	4	9	2,62	3
Pakistan	1,64	11	5	9	—
Nepal	23	2	1	11	—
Iran	4	—	—	—	—
Canada	1	—	—	—	1
Union of S. Africa	4	—	—	—	—
United States	1	—	1	—	—
British Africa	8	1	—	—	—
Switzerland	1	—	—	—	—
Burma	2	—	—	—	41
Portuguese India	8	—	—	2	—
Ceylon	2	—	1	—	—
France	1	—	—	—	—
New Zealand	1	—	—	—	—
Malaya	3	—	—	—	—
TOTAL*	6,83	19	18	2,85	45

* Includes investments from countries other than those listed in the table.

Miscellaneous Investments

The following two tables show miscellaneous investments.

(In lakhs of rupees)

Country	PLANTATIONS				Processing and Bleaching
	Tea	Coffee	Rubber	Sugarcane	
United Kingdom	6,58	41	6	—	2
Pakistan	22	4	—	2	—
Nepal	30	—	3	2	—
Iran	2	—	—	—	—
Canada	3	—	—	—	—
Union of S. Africa	61	1	1	—	—
United States	5	—	—	—	—
British Africa	6	—	—	—	—
Switzerland	3	—	—	—	—
Australia	15	—	—	—	—
Ceylon	6	1	1	—	—
New Zealand	3	—	—	—	—
Malaya	4	—	1	—	—
TOTAL*	8,23	47	12	5	2

(In lakhs of rupees)

Country	Hotels	Managing Agency	Others
United Kingdom	19	1,81	68
Pakistan	6	17	11
Nepal	1	11	11
Canada	—	—	2
Union of S. Africa	1	4	3
United States	—	17	8
British Africa	—	4	—
Australia	—	2	—
France	1	—	—
Sweden	—	—	1
Malaya	—	1	—
TOTAL*	29	2,38	1,05

* Includes investments from countries other than those listed in the table.

RESEARCH*

RESEARCH in pure science is done chiefly under the auspices of the Council of Scientific and Industrial Research and the Atomic Energy Commission.

Research in applied science and for industrial purposes is also done under the auspices of the C.S.I.R. and the various research associations of individual industries.

Research in engineering subjects is done under the auspices of the Board of Engineering Research.

Medical research is mainly in the charge of the Indian Council of Medical Research.

Agricultural research is looked after by the Indian Council of Agricultural Research and the various Central Committees for agricultural commodities like the Indian Central Cotton Committee, Indian Central Jute Committee, etc. (See under Agriculture).

Research in the humanities—literature, language, the arts, etc.—is done at individual institutions scattered throughout the country.

It may be mentioned here that the Central Government has a Scientific Liaison Officer in the U.K. He keeps in touch with the latest scientific developments in Europe, arranges for the training of Indians at research centres in Europe, and helps to promote personal contacts between Indian and foreign scientists.

Allotment for scientific and industrial research under the Plan: Rs. 4.61 crores.

SCIENTIFIC SOCIETIES

The National Institute of Sciences, New Delhi, is the premier scientific organization recognized by Government for co-ordinating the work of scientific academies, societies and Government departments and services. It has the same status as the Royal Society of London or of the National Academy of Washington.

Two all-embracing science societies are: The Indian Science Congress Association, Calcutta, under whose auspices Indian and foreign scientists meet every year to exchange ideas; and the Indian Association for the Cultivation of Science, Calcutta.

Other scientific societies are: Agricultural and Horticultural Society of India, Calcutta; Agri-Horticultural Society, Madras; Anthropological Society, Bombay; Banarus Mathematical Society (Bharat Ganita Parishad), Lucknow; Bombay Sanitary Association, Bombay; British Medical Association, Bombay Branch, Bombay; Entomological Society of India; Horticultural Society of India, Calcutta; Indian Academy of Sciences, Bangalore; Indian Botanical Society, Calcutta; Indian Ceramic Society; Indian Chemical Society, Calcutta; Indian Dairy Association, Bangalore; Indian Mathematical Society, Madras; Indian Physical Society, Calcutta; Indian Physiological Society, Calcutta; Indian Psychological Society; Indian Council of Medical Research, New Delhi; Indian Roads and Transport Development Association, Bombay; Indian Society of Genetics and Plant Breeding; Indian Society of Social Sciences; Mining and Geological Institute of India, Calcutta; Mining and Metallurgical Society; National Academy of Sciences, Allahabad; National Horse-breeding and Show Society of India, New Delhi; Psycho-analytical Society, Calcutta; Institute of Engineers, Calcutta; Indian Society of Soil Science, Calcutta; Society of Biological Chemists, Bangalore; Indian Science News Association, Calcutta; Indian Institute of Chemical Engineers; Indian Institute of Metals, Calcutta; Indian Society for Quality Control, Calcutta; Indian Society for Agricultural Statistics.

GOVERNMENT RESEARCH

Most Government research is now carried on under the auspices of the Council of Industrial

and Scientific Research (Ministry of Natural Resources and Scientific Research). It manages the laboratories and institutions for research, awards fellowships, puts the knowledge so gained at the disposal of industry. It also publishes scientific papers and journals.

The Council is administered by a Governing Body with the Prime Minister as President and members as representing science, industry and certain Government departments. The Governing Body is advised by a Board of Scientific and Industrial Research consisting of 19 members about schemes for research or investigation of natural resources. For individual subjects the Board has advisory committees, the number of which at present is 24 as follows:

Glass and Refractory Committee; Chemical Research Committee; Physical Research; Fuel Research; Vegetable Oils; Cellulose Research; Biochemical Research; Pharmaceuticals and Drugs; Plastics; Atmospheric Research; Essential Oils; Metals Research; Internal Combustion Engine Research; Uniform Calendar; Radio Research; Statistics Standards and Quality Control; Leather Research; Measurement of Geological Time; Malaria Chemotherapy; Vanaspathy Research; Building Research; Salt Research; Mining Research; High Altitude Research.

The 10 National Laboratories which the Council looks after are, in the order in which they were started, as follows:

National Chemical Laboratory at Poona (Jan. 3, 1950); National Physical Laboratory at New Delhi (Jan. 21, 1950); Central Fuel Research Institute at Dhanbad (April 22, 1950); Central Glass Ceramic Research Institute at Jadavpur, Calcutta (Aug. 25, 1950); Central Food Technological Institute at Mysore (Oct. 21, 1950); National Metallurgical Laboratory at Jamshedpur (Nov. 26, 1950); Central Drug Research Institute at Lucknow (Feb. 17, 1951); Central Road Research Institute at New Delhi (July 16, 1952); Central Electro-Chemical Research Institute at Karalkudi, south India (Jan. 1953); Central Leather Research Institute at Madras (Jan. 1953).

The three following laboratories are in the process of establishment:

Central Building Research Institute at Roorkee; Central Salt Research Institute at Bhavnagar; Central Electronic Engineering Research Institute at Pilani, Rajasthan.

The Council of Scientific and Industrial Research encourages the formation of trade associations for the purpose of conducting co-operative research. Where recognition is given Government may make a money grant. Examples of industries where such associations exist are:

Ahmedabad textiles, the silk and art mills of Bombay, the leather manufacturers and tanners of south India, and the Colabators textiles.

The Council also encourages research at universities and other institutions through grants-in-aid.

The Atomic Energy Commission has to be mentioned here; it was set up in Aug. 1948. It deals with all matters concerning the development and production of atomic energy.

In its research work it is assisted by two bodies: The Board of Research on Atomic Energy and the Cosmic Ray Committee. The research is conducted at its own laboratories, the Tata Institute of Fundamental Research and also at the universities, to whom it makes

grants for raising the standard of instruction in physics, chemistry and mathematics.

The Atomic Energy Commission also looks after Rare Earths Ltd., located at Alwaye in Travancore-Cochin. A factory is also due to start working in Bombay for extracting uranium and thorium from the waste thrown up by the Alwaye works.

The Commission spends much money on cosmic research at various universities, and more especially at the following institutions: Institute of Nuclear Physics, Calcutta; Bose Research Institute of Science, Calcutta; Physical Research Laboratory, Ahmedabad.

For engineering research a body has been set up, called the Board of Engineering Research which is assisted by five expert committees.

MEDICAL RESEARCH

Medical Research is conducted chiefly under the auspices of the Indian Council of Medical Research, New Delhi. The Council also grants research fellowships. There is a Scientific Advisory Board which deals with technical questions and publishes reports of research carried on at the centres under its charge.

Some of the more important institutions where medical research is conducted are:

Malaria Institute of India, Delhi; Central Research Institute, Kasauli, Punjab; All India Institute of Hygiene and Public Health, Calcutta; King Institute, Guindy, Madras; School of Tropical Medicine, Calcutta; Haffkine Institute, Bombay (plague, poisonous snakes); Nutrition Research Laboratories, Coonoor; Seth G. S. Medical College, Bombay; Central Malaria Laboratory, Public Health Department, Madras (for D.D.T.); Indian Veterinary Research Institute, Mukteswar-Kumaun, U.P.; University College of Science and Technology, Calcutta; National Chemical Laboratory, Poona (for dietary protein); Presidency College, Calcutta (for nicotinic acid); Department of Chemical Technology, University of Bombay, Bombay (for B vitamins); Indian Dairy Research Institute, Bangalore; University Bio-Chemical Laboratory, University of Madras, Madras; Medical College, Baroda (for physiological reactions to Indian foods); Presidency College, Calcutta (for vitamin A); Safdarjung Hospital, New Delhi (for effects of malnutrition); M. G. M. Medical College, Indore (for riboflavin and thiamine); Institute of Science, Bombay; Assam Medical College, Dibrugarh (for caloric needs of persons of different occupations); College of Nursing, New Delhi (nutrition of mothers and infants); M. S. University, Baroda; Tata Memorial Hospital, Bombay (leprosy); Christian Medical College, Vellore (leprosy); Acworth Leprosy Home, Bombay; Victoria Leprosy Hospital, Dichepalli; Government Silver Jubilee Children's Clinic, Saidapet, Madras (for leprosy); Central Drug Research Institute, Lucknow (pituitary gland); S. N. Medical College, Agra (pulmonary disease, skin diseases and liver); Medical College, Amritsar (diabetes); King George's Medical College, Lucknow (lymphoid tissue); S. C. B. Medical College, Cuttack (allergy); Lady Hardinge Medical College, New Delhi (sterility); Sawai Man Singh Medical College, Jaipur (guinea worm); Office of Director of Public Health, Madras (infant mortality); Chittaranjan Cancer Hospital, Calcutta (urine); N. R. Sarkar Medical College, Calcutta (anaemias of pregnancy); Topiwala National Medical College, Bombay (abortions); Stanley Medical College, Madras (toxemia of pregnancy); Grant Medical College, Bombay (polio); Pasteur Institute, Coonoor (influenza); Drug Research Laboratory, Jammu (indigenous drugs); Virus Research Centre, Poona.

* For a consecutive list of research institutions see under Societies.

For personnel of some of the institutions see under Government of India personnel.

SCIENTIFIC JOURNALS

Below we give a list of scientific journals in India with their full addresses.

AGRICULTURAL

AGRICULTURE AND ANIMAL HUSBANDRY, UTTAR PRADESH, Bureau of Agricultural Information, Chota Chatter Manzil, Lucknow.

ALLAHABAD FARMER, Allahabad Agricultural Institute, Allahabad.

BIHAR AGRICULTURAL COLLEGE MAGAZINE, Bihar Agricultural College, Sabour, Bhagalpore.

BULLETIN OF THE DEPARTMENT OF AGRICULTURE, UTTAR PRADESH, Bureau of Agricultural Information, Chota Chatter Manzil, Lucknow.

BULLETIN OF THE INDIAN CENTRAL COCONUT COMMITTEE, Secretary, Indian Central Coconut Committee, Ernakulam.

BULLETIN OF THE UNITED PROVINCES FOREST DEPARTMENT, Superintendent, Printing and Stationery, Uttar Pradesh, Allahabad.

GARDEN NEWS SHEET, Royal Agricultural and Horticultural Society of India, Alipore Road, Calcutta.

INDIAN BEE JOURNAL, Ramgarh, Nainital District (U.P.).

INDIAN COCONUT JOURNAL, Indian Central Coconut Committee, Ernakulam.

INDIAN COTTON GROWING REVIEW, Indian Central Cotton Committee, Nicol Road, Ballard Estate, Bombay.

INDIAN DAIRYMAN, Hosur Road, Bangalore.

INDIAN FARMING, Manager of Publications, Civil Lines, Delhi.

INDIAN FOREST BULLETINS, Forest Research Institute, Dehra Dun.

INDIAN FOREST LEAFLETS, Forest Research Institute, Dehra Dun.

INDIAN FOREST RECORDS, Forest Research Institute, Dehra Dun.

INDIAN FORESTER, Forest Research Institute, Dehra Dun.

INDIAN JOURNAL OF AGRICULTURAL SCIENCE, Manager of Publications, Civil Lines, Delhi.

INDIAN JOURNAL OF DAIRY SCIENCE, Indian Dairy Science Association, Hosur Road, Bangalore 1.

INDIAN JOURNAL OF ENTOMOLOGY, Entomological Society of India, New Delhi.

INDIAN JOURNAL OF GENETICS AND PLANT BREEDING, Indian Society of Genetics and Plant Breeding, New Delhi.

INDIAN JOURNAL OF HORTICULTURE, Horticultural Society of India, 117-M, Block Hutments, New Delhi.

INDIAN POULTRY GAZETTE, Indian Poultry Club, Izatnagar, U.P.

INDIAN PULP AND PAPER, 1-A, Vansittart Row, Calcutta.

INDIAN TOBACCO, Indian Central Tobacco Committee, 3, Lloyds Road, Madras.

INDIAN VETERINARY JOURNAL, 26, Wallajah Road, Mount Road, Madras 2.

JOURNAL OF THE INDIAN SOCIETY OF AGRICULTURAL STATISTICS, Indian Society of Agricultural Statistics, New Delhi.

MADRAS AGRICULTURAL JOURNAL, Agricultural College and Research Institute, Coimbatore (South India).

MADRAS VETERINARY COLLEGE MEDICAL ASSOCIATION MAGAZINE, Madras Veterinary College, Madras.

PHYTOMORPHOLOGY, International Society of Plant Morphologists, University of Delhi, Delhi.

PLANTERS JOURNAL AND AGRICULTURIST, P.O. Box 2361, Calcutta.

PROCEEDINGS OF THE BIHAR ACADEMY OF AGRICULTURAL SCIENCES, Agricultural Research Institute, P.O. Sabour (Bihar).

BOTANICAL

BULLETIN OF THE BOTANICAL SOCIETY, University of Sagar, Sagar.

BULLETIN OF THE BOTANICAL SOCIETY OF BENGAL, 35, Ballygunge, Circular Road, Calcutta.

JOURNAL OF THE BIOLOGICAL SOCIETY OF ASSAM, University Botany Laboratory, Cotton College, Gauhati (Assam).

JOURNAL OF THE INDIAN BOTANICAL SOCIETY, Botanical Department, Institute of Science, Mayo Road, Bombay.

PALEOBOTANIST, Birbal Sahni Institute of Paleobotany, Lucknow.

RECORDS OF THE BOTANICAL SURVEY OF INDIA, Manager of Publications, Civil Lines, Delhi.

CHEMICAL

CHEMICAL AGE, Technical Press Publications, C-10, Sitarani Buildings, Hornby Road, Bombay.

JOURNAL OF THE INDIAN CHEMICAL SOCIETY, Indian Chemical Society, 92, Upper Circular Road, Calcutta.

JOURNAL OF THE INDIAN CHEMICAL SOCIETY (INDUSTRIAL AND NEWS EDITION), Indian Chemical Society, 92, Upper Circular Road, Calcutta.

JOURNAL (PROCEEDINGS) OF THE INSTITUTION OF CHEMISTS, INDIA, Chemical Department, Medical College, Calcutta.

PROCEEDINGS OF THE SOCIETY OF BIOLOGICAL CHEMISTS (INDIA), Society of Biological Chemists (India), Malleswaram P.O., Bangalore.

COMMERCIAL

INDIAN COMMERCE JOURNAL, Department of Industries and Commerce, Chepauk, Madras 4.

INDIAN FOOD PACKER, All India Food Preservers' Association, Waudby Road, Fort, Bombay.

INDIAN PRINT AND PAPER, Chartered Bank Building, Calcutta.

INDIAN SOAP JOURNAL, P-11, Mission Row Extension, Calcutta.

INDIAN TEXTILE JOURNAL, Indian Textile Journal Ltd., Bombay.

RUBBER INDIA, Indian Rubber Industries Association, Homji Street, Fort, Bombay.

SOAP, South Indian Soap Makers' Association, Edacochi P.O., Cochin (S. India).

TANNER, Jer Mansion, Bandra, Bombay 20.

ENGINEERING

ENGINEER, 343, Opposite Grant Road Station, East, Bombay 7.

ENGINEERING NEWS OF INDIA, Engineering Association of India, 23-B, Netaji Subhas Road, Calcutta.

INDIAN AND EASTERN ENGINEER, 5, Mission Row, Calcutta.

INDIAN CONCRETE JOURNAL, 1, Queen's Road, Bombay.

INDIAN ENGINEERING, 300, Bowbazar Street, Calcutta 12.

INDIAN JOURNAL OF ENGINEERING AND TECHNOLOGY, Mechanics and Engineering Publishing Corporation, 293-A, Bellasis Road, Bombay 8.

INDIAN JOURNAL OF POWER AND RIVER VALLEY DEVELOPMENT, 211, Park Street, Calcutta.

JOURNAL OF THE ASSOCIATION OF ENGINEERS, Association of Engineers, 24, Netaji Subhas Road, Calcutta.

JOURNAL OF THE CENTRAL BOARD OF IRRIGATION, Kennedy House, Simla.

JOURNAL OF THE COLLEGE OF ENGINEERING AND TECHNOLOGY, Jadavpur, H.O., Jadavpur College, Calcutta 32.

JOURNAL OF THE CORPS OF INDIAN ELECTRICAL AND MECHANICAL ENGINEERS, Corps Association, I.E. & M.E., G.H.Q., New Delhi.

JOURNAL OF THE INDIAN SOCIETY OF REFRIGERATING ENGINEERS, 12, Kyd Street, Calcutta 16.

JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA), Institution of Engineers (India), 8, Gokhale Road, Calcutta.

JOURNAL OF THE INSTITUTION OF MILITARY ENGINEERS, Kashmir House, New Delhi.

JOURNAL OF THE PERMANENT WAY INSTITUTE, Honorary Secretary, Chief Engineer's Office, Western Railway, Churchgate, Bombay.

POWER ENGINEER, Society of Power Engineers, Clermont, Simla.

SCIENCE AND ENGINEERING, Indian Society of Engineers, 12, Netaji Subhas Road, Calcutta.

TELECOMMUNICATIONS, Secretary, Office of the Chief Engineer, Post and Telegraphs, Govind Bhawan, Jabalpur.

GEOGRAPHICAL

BULLETIN OF THE NATIONAL GEOGRAPHICAL SOCIETY OF INDIA, National Geographical Society of India, Banaras.

GEOGRAPHER, Journal of the Muslim University Geographical Society, Muslim University, Aligarh.

GEOGRAPHICAL REVIEW OF INDIA, Senate House, University of Calcutta, Calcutta 7.

INDIAN GEOGRAPHICAL JOURNAL, Wellclose, Cathedral P.O., Madras 6.

GEOLOGICAL

BULLETIN OF THE GEOLOGICAL, MINING AND METALLURGICAL SOCIETY OF INDIA, Geology Department, Presidency College, Calcutta.

INDIAN MINERALS, Minerals Information Bureau, Geological Survey of India, Calcutta.

MEMOIRS OF THE GEOLOGICAL SURVEY OF INDIA, Geological Survey of India, 27, Chowringhee, Calcutta.

PALAEONTOLOGICA INDICA, Geological Survey of India, 27, Chowringhee, Calcutta.

QUARTERLY JOURNAL OF THE GEOLOGICAL, MINING AND METALLURGICAL SOCIETY OF INDIA, Geology Department, Presidency College, Calcutta.

RECORDS OF THE GEOLOGICAL SURVEY OF INDIA, Geological Survey of India, 27, Chowringhee Road, Calcutta.

MATHEMATICAL

BULLETIN OF THE ALLAHABAD UNIVERSITY MATHEMATICAL ASSOCIATION, Allahabad University, Allahabad.

BULLETIN OF THE CALCUTTA MATHEMATICAL SOCIETY, Calcutta Mathematical Society, 92, Upper Circular Road, Calcutta.

GANITA (PROCEEDINGS OF THE BHARAT GANITA PARISHAD), Department of Mathematics, Lucknow University, Lucknow.

JOURNAL OF THE INDIAN MATHEMATICAL SOCIETY, Indian Mathematical Society, Madras 4.

MATHEMATICS STUDENT, 2, Bhaskarapuram, Mylapore P.O., Madras.

MEDICAL

ANNALS OF BIOCHEMISTRY AND EXPERIMENTAL MEDICINE, Indian Institute of Medical Research, P-27, Prinsep Street, Calcutta.

ANTISEPTIC, 323, Thambu Chetty Street, G.T., Madras.

CALCUTTA MEDICAL JOURNAL, 91-B, Chittaranjan Avenue, Calcutta.

CALCUTTA MEDICAL REVIEW, P-51, Golf Club Road, Tollygunge, Calcutta.

IMMUNITY BULLETIN, Bengal Immunity Research Institute, 39, Lower Circular Road, Calcutta 16.

INDIAN DENTAL REVIEW, Dental Publishing Co., 121, Esplanade Road, Bombay 1.

INDIAN HEART JOURNAL, Cardiological Society of India, 67, Dharamtalla Street, Calcutta.

INDIAN JOURNAL OF CHILD HEALTH, Back Bay View, Queen's Road, Bombay.

INDIAN JOURNAL OF MALARIOLOGY, Indian Research Fund Association, New Delhi.

INDIAN JOURNAL OF MEDICAL RESEARCH, Central Research Institute, Kasauli.

INDIAN JOURNAL OF MEDICAL SCIENCES, Back Bay View, New Queen's Road, Bombay 4.

INDIAN JOURNAL OF NEUROLOGY AND PSYCHIATRY, 128-B, Dharamtalla Street, Calcutta 13.

INDIAN JOURNAL OF OPHTHALMOLOGY, 502, Narayan Peth, Poona.

INDIAN JOURNAL OF PEDIATRICS, 56/42, Creek Row, Calcutta 14.

INDIAN JOURNAL OF PHARMACY, Department of Chemical Technology, Matunga, Bombay 19.

INDIAN JOURNAL OF PSYCHOLOGY, 92, Upper Circular Road, Calcutta.

INDIAN JOURNAL OF RADIOLOGY, Navsari Buildings, Hornby Road, Bombay.

INDIAN JOURNAL OF SURGERY, 207, Poonamalle High Road, Madras.

INDIAN JOURNAL OF VENEREAL DISEASES AND DERMATOLOGY, 1, Nagindas Mansions, Opera House, Girgaum, Bombay.

INDIAN MEDICAL FORUM, 64, Surendranath Bannerjee Road, Calcutta 13.

INDIAN MEDICAL GAZETTE, Central Research Institute, Kasauli.

INDIAN MEDICAL JOURNAL, 22, Sullivan's Garden Street, Mylapore, Madras.

INDIAN MEDICAL RECORD, 14, Puran Chand Nahar Avenue, Calcutta.

INDIAN PHARMACIST, 7, Lower Rawden Street, Calcutta.

INDIAN PHYSICIAN, New Queen's Road, Bombay 4.

INTERNATIONAL MEDICAL ABSTRACTS AND REVIEWS, Post Box No. 5, Alipore, Calcutta 27.

JOURNAL OF OBSTETRICS & GYNAECOLOGY, Uganda Buildings, Benjamin Road, Ludhiana.

JOURNAL OF THE ALL-INDIA DENTAL ASSOCIATION, All-India Dental Association, 12/1, Esplanade East, Calcutta.

JOURNAL OF THE ANATOMICAL SOCIETY OF INDIA, Sarkar Medical College, Lower Circular Road, Calcutta 14.

JOURNAL OF THE ASSOCIATION OF MEDICAL WOMEN IN INDIA, Red Cross Building, New Delhi.

JOURNAL OF THE CHRISTIAN MEDICAL ASSOCIATION OF INDIA, PAKISTAN, BURMA AND CEYLON, Secretary, Nelson Square, Nagpur, M.P.

JOURNAL OF THE INDIAN ARMY MEDICAL CORPS, Indian Army Medical Corps Centre (S), Poona.

JOURNAL OF THE INDIAN MEDICAL ASSOCIATION, Sammvaya Mansions, Calcutta 13.

LEPROSY IN INDIA, British Empire Leprosy Relief Association (Indian Council), New Delhi.

MADRAS HOMEOPATHIC JOURNAL, 155, Lloyds Road, Madras 14.

MEDICAL DIGEST, Opera House, Bombay.

PATNA JOURNAL OF MEDICINE, Business Secretary, "Patna Journal of Medicine", P.O. Patna 3.

PROCEEDINGS OF THE SOCIETY FOR THE STUDY OF INDUSTRIAL MEDICINE, Tata Main Hospital, Jamshedpur, Bihar.

METEOROLOGICAL

INDIAN JOURNAL OF METEOROLOGY & GEOPHYSICS, Indian Meteorological Department, Lodi Road, New Delhi.

MEMOIRS OF THE INDIA METEOROLOGICAL DEPARTMENT, Manager of Publications, Civil Lines, Delhi.

MISCELLANEOUS

EASTERN ANTHROPOLOGIST, Anthropology Laboratory, Lucknow University, Lucknow.

INDIAN AIRMAN, Roy Mansions, Behala, South Calcutta.

INDIAN AVIATION, 13, Ezra Mansions, P.O. Box 2361, Calcutta.

INDIAN JOURNAL OF HOLMINTHOLOGY, Lucknow University, Lucknow.

INDIAN PHYTOPATHOLOGY, Indian Phytopathological Society, Pusa Buildings, New Delhi.

INDIAN STANDARDS, Indian Standards Institution, 19, University Road, Delhi.

I.S.I. BULLETIN, Indian Standards Institution, 19, University Road, Delhi.

INTERNATIONAL JOURNAL OF SEXOLOGY, Hornby Road, Bombay 1.

JOURNAL OF THE AERONAUTICAL SOCIETY OF INDIA, Talkatora Road, New Delhi.

JOURNAL OF THE ANTHROPOLOGICAL SOCIETY OF BOMBAY, 136, Apollo Street, Bombay.

JOURNAL OF THE ASSOCIATION OF PRINCIPALS OF TECHNICAL INSTITUTIONS OF INDIA, Delhi Polytechnic, Lothian Road, Delhi.

JOURNAL OF THE BENGAL NATURAL HISTORY SOCIETY, Curator, Natural History Museum, Darjeeling.

JOURNAL OF THE BOMBAY NATURAL HISTORY SOCIETY, 114, Apollo Street, Bombay.

JOURNAL OF THE INDIAN ANTHROPOLOGICAL INSTITUTE, Indian Anthropological Institute, Indian Museum, Calcutta.

JOURNAL OF THE INDIAN ROADS CONGRESS, Indian Roads Congress, Jamnagar House, New Delhi.

MADRAS MUSEUM BULLETIN, Superintendent, Government Press, Madras.

MAN IN INDIA, 18, Church Road, Ranchi (Bihar).

MEMOIRS OF THE ASIATIC SOCIETY OF BENGAL, Asiatic Society of Bengal, 1, Park Street, Calcutta.

PROCEEDINGS OF THE ASIATIC SOCIETY OF BENGAL, Asiatic Society of Bengal, 1, Park Street, Calcutta.

RECORDS OF THE INDIAN MUSEUM, Manager of Publications, Civil Lines, Delhi.

TRANSACTIONS OF THE INDIAN CERAMIC SOCIETY, Indian Ceramic Society, Department of Ceramics, Banaras Hindu University, Banaras.

TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS, Indian Institute of Metals, 23-B, Netaji Subhas Road, Calcutta.

PHYSICS

BULLETIN OF THE SOLAR PHYSICS OBSERVATORY, Solar Physics Observatory, Kodalkanal (South India).

INDIAN JOURNAL OF PHYSICS (AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCES), Indian Association for the Cultivation of Sciences, 210, Bowbazar Street, Calcutta.

INDIAN JOURNAL OF THEORETICAL PHYSICS, 18, Ramkanta Bose Street, Calcutta.

PHYSICS QUARTERLY, The Physics Teachers' Association, Allahabad.

RESEARCH

BULLETIN OF THE CENTRAL RESEARCH INSTITUTE, University of Travancore, Trivandrum.

BULLETIN OF THE DECCAN COLLEGE RESEARCH INSTITUTE, Deccan College Research Institute, Poona.

JOURNAL OF THE GUJARAT RESEARCH SOCIETY, 46-48, Esplanade Mansion, Mahatma Gandhi Road, Bombay 1.

RESEARCH BULLETIN OF THE EAST PUNJAB UNIVERSITY, East Punjab University, Hoshiarpur.

SAMIKSA—JOURNAL OF THE INDIAN PSYCHO-ANALYTICAL SOCIETY, Indian Psycho-Analytical Society, 14, Parsibagan Lane, Calcutta 9.

TRANSACTIONS OF THE BOSE RESEARCH INSTITUTE, Bose Research Institute, 93/1, Upper Circular Road, Calcutta.

SCIENTIFIC (GENERAL)

BULLETIN OF THE HYDERABAD SCIENCE ASSOCIATION, Hyderabad Science Association, Hyderabad (Dn.).

CURRENT SCIENCE, Current Science Association, Malleswaram P.O., Bangalore 3.

EVERYDAY SCIENCE (JOURNAL OF THE NORTHERN INDIA SCIENCE ASSOCIATION), Hargolai Road, Ambala Cantt.

INDIAN JOURNAL OF PHYSIOLOGY AND ALLIED SCIENCES, Physiological Society of India, Calcutta University, College of Science, 92, Upper Circular Road, Calcutta.

JOURNAL OF THE ASIATIC SOCIETY OF BENGAL (SCIENCES), Asiatic Society of Bengal, 1, Park Street, Calcutta.

JOURNAL OF THE SCIENCE CLUB, Science Club, 22, Ramesh Mittar Road, Bhowanipur, Calcutta.

JOURNAL OF THE SCIENTIFIC AND INDUSTRIAL RESEARCH, Council of Scientific and Industrial Research, Old Mill Road, New Delhi.

OSMANIA UNIVERSITY JOURNAL (SCIENCE FACULTY), University of Osmania, Faculty of Science, Hyderabad (Dn.).

PROCEEDINGS OF THE INDIAN ACADEMY OF SCIENCES, The Indian Academy of Sciences, Bangalore.

PROCEEDINGS OF THE INDIAN SCIENCE CONGRESS, Indian Science Congress Association, 1, Park Street, Calcutta.

PROCEEDINGS OF THE INDIAN SOCIETY OF SOIL SCIENCE, Indian Society of Soil Science, Indian Agricultural Research Institute, Pusa Buildings, New Delhi.

PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCE (INDIA), Council of National Academy of Sciences, Allahabad, U.P.

PROCEEDINGS OF THE NATIONAL INSTITUTE OF SCIENCES OF INDIA, National Institute of Sciences of India, Delhi.

PROCEEDINGS OF THE RAJASTHAN ACADEMY OF SCIENCES, Pilani, Rajasthan.

PSYCHOLOGY AND SOCIETY, 14-D, Feroz Shah Road, New Delhi.

QUARTERLY JOURNAL OF THE INDIAN INSTITUTE OF SCIENCE, Indian Institute of Science, Bangalore.

SCIENCE AND CULTURE, Indian Science News Association, 92, Upper Circular Road, Calcutta.

TRANSACTIONS OF THE NATIONAL INSTITUTE OF SCIENCES OF INDIA, National Institute of Sciences of India, Delhi.

STATISTICS

CALCUTTA STATISTICAL ASSOCIATION BULLETIN, Department of Statistics, Asutosh Building, Calcutta 7.

SANKHYA--THE INDIAN JOURNAL OF STATISTICS, Statistical Publishing Society, Presidency College, Calcutta.

TECHNICAL

ANNUAL REVIEW OF BIOCHEMICAL AND ALLIED RESEARCH, Secretary, Society of Biological Chemists, Malleswaram P.O., Bangalore.

BUILDING GAZETTE, P.O. Box 288, G.T., Madras.

ELECTROTECHNICS, Indian Institute of Science, Bangalore.

FACT (Magazine of Fertilizers and Chemicals Travancore Ltd.), Alwaye, Travancore.

JOURNAL OF THE MADRAS INSTITUTE OF TECHNOLOGY, Chrompet P.O., Madras.

QUARTERLY TECHNICAL BULLETIN, Railway Board, Government of India, New Delhi.

TRANSACTIONS OF THE MINING, GEOLOGICAL AND METALLURGICAL INSTITUTE OF INDIA, Mining, Geological and Metallurgical Institute of India, 27, Chowringhee, Calcutta.

UNIVERSITY JOURNALS

JOURNAL OF THE ANNAMALAI UNIVERSITY, Registrar, Annamalai University, Annamalinagar.

JOURNAL OF THE BANARAS HINDU UNIVERSITY, Banaras.

JOURNAL OF THE CALCUTTA UNIVERSITY (Department of Science), University of Calcutta, Calcutta.

JOURNAL OF THE MADRAS UNIVERSITY, University Buildings, Madras.

JOURNAL OF THE MYSORE UNIVERSITY, Mysore University, Bangalore.

JOURNAL OF THE UNIVERSITY OF BOMBAY, University of Bombay, Fort, Bombay.

JOURNAL OF THE UNIVERSITY OF GAUHATI, University of Gauhati, Assam.

JOURNAL OF THE UNIVERSITY OF POONA, University of Poona, Poona.

JOURNAL OF THE UNIVERSITY OF TRAVANCORE, University of Travancore, Trivandrum.

NAGPUR UNIVERSITY JOURNAL, Nagpur University, Nagpur.

RAJPUTANA UNIVERSITY STUDIES, University of Rajputana, Jaipur.

ZOOLOGICAL

JOURNAL OF THE ZOOLOGICAL SOCIETY OF INDIA, Zoological Survey of India, Indian Museum, 127, Chowringhee, Calcutta.

PROCEEDINGS OF THE ZOOLOGICAL SOCIETY OF BENGAL, Zoological Society of Bengal, 35, Ballygunje, Circular Road, Calcutta 19.

CIVIL AVIATION

ALLOTMENT under the Five-Year Plan, Rs. 22.87 crores.

Compensation to air companies and purchase of new aircraft, Rs. 9.5 crores.

India's air transport services were nationalized by an Act of Parliament called the Air Corporations Act 1953 which received the President's assent on May 28, 1953. The Act came into force on August 1, 1953.

The internal air services are now managed by a corporation called Indian Airlines Corporation, and the external services by Air-India International Corporation. According to the Act the number of members of a Corporation cannot be less than five and not more than nine. Each of the Corporations has a general manager.

The Central Government has authority to give the Corporations directions about opening a new transport service, closing an existing service, or other changes in schedule. At the end of a financial year the Corporations must present a report to the Central Government which will be laid before Parliament.

Private agencies can use aircraft for purposes of instruction, rescue or relief, air survey, fire fighting, crop dusting, locust control or for providing joy rides.

There were 11 Indian transport companies, holding permits on June 30, 1953.

An Air Transport Council is to be established so that certain points of common interest to different departments may be discussed.

An Advisory Committee for each Corporation may also be appointed.

There will be a Labour Relations Committee for each Corporation consisting of representatives of the Corporation and of employees formed in such a way that the representatives of employees are not less than the representatives of the Corporation. This Committee will give advice to the Corporation on matters of labour.

There is to be a special tribunal to determine compensation. The amount of compensation is to be determined in accordance with certain principles laid down in a schedule to the Act.

Government will negotiate with each company to arrive at an agreed figure. If there are differences they will be referred to the tribunal. Part of the compensation is to be paid in cash, and part in negotiable bonds bearing a rate of interest of three and a half per cent.

The names of the existing air companies taken over by the Indian Airlines Corporation as mentioned in the Act are:

The Air India Ltd.; the Air Services of India Ltd.; The Airways (India) Ltd.; The Bharat Airways Ltd.; The Deccan Airways Ltd.; The Himalayan Aviation Ltd.; The Indian National Airways Ltd.; The Kalinga Airlines.

The Air-India International Corporation took over the Air-India International Ltd.

The members of the Indian Airlines Corporation (Mandi House, New Delhi) are:

B. C. Mukharji, I.C.S. (Chairman), J. R. D. Tata, M. L. Khaitan, Michael John, B. N. Jha, I.C.S. (Secy., Min. of Communications), K. R. K. Menon (Secy., R. and E., Min. of Finance), L. C. Jain, I.C.S. (Dir.-Genl., Civil Aviation), K. K. Roy, P. M. Reddy.

The members of the Air-India International Corporation (New India Assurance Bldg., Bombay 1) are:

J. R. D. Tata (Chairman), B. C. Mukharji, I.C.S., K. C. Mohindra, Michael John, K. C. Bakhle, B. N. Jha, I.C.S., K. R. K. Menon, L. C. Jain, I.C.S.

The Indian Airlines Corporation has appointed seven Resident Representatives to take over the services formerly run by the eight companies. Three of them have their headquarters in Calcutta and the rest in Delhi, Bombay, Madras and Hyderabad.

The line numbers of the airlines and their respective resident representatives are:

(1) K. K. Roy, Calcutta, (Airways, India, Ltd.): Great Eastern Hotel.

(2) C. J. Lalkaka, Calcutta, (Bharat Airways, Ltd.).

(3) P. K. Ghosh, Calcutta, (Himalayan Aviation, Ltd.), (Kalinga Airlines, Ltd.).

(4) J. M. Gupta, New Delhi, (Indian National Airways, Ltd.): Air India Bldg., Connaught Circus.

(5) P. M. Reddy, Hyderabad, (Deccan Airways, Ltd.): Bashir Bagh Road.

(6) B. K. N. Rao, Madras, (Air-India, Ltd.): Khaleeli Mansions, Mount Road.

(7) W/Cdr. W. H. Burbury, Bombay, (Air Services of India, Ltd.): New India Assurance Bldg., Mahatma Gandhi Rd., Bombay 1.

Mr K. K. Roy is in over-all charge of lines 1, 2, 3 and 4, while Mr. P. M. Reddy has over-all responsibility for lines 5, 6 and 7.

AIR SERVICES

The services conducted by the Indian Airlines Corporation are now numbered 1 to 7. The following table shows the numbers, the routes and also the names of the former companies which operated the routes when they were taken over.

Number 8 is the external service.

No.	FORMER COMPANY.	ROUTE.	FREQUENCY.
1.	AIRWAYS (INDIA) LTD., CALCUTTA	Calcutta-Vishakapatnam-Madras-Bangalore Calcutta-Bhubaneswar-Madras-Bangalore Calcutta-Dacca Calcutta-Gauhati-Mohanbari Calcutta-Baghdogra Calcutta-Gauhati Calcutta-Nagpur-Bombay	4 Weekly. 3 Weekly. 3 Daily. Daily. 2 Daily. 2 Daily. Daily.
2.	BHARAT AIRWAYS LTD., CALCUTTA	Calcutta-Bangkok-Singapore-Djakarta Calcutta-Patna-Banaras-Lucknow-Delhi Calcutta-Chittagong Calcutta-Agartala-Silchar-Imphal Calcutta-Agartala Agartala-Gauhati Agartala-Gauhati-Tezpur-Jorhat-Mohanbari Gauhati-Silchar-Imphal	1 Weekly. Daily. Daily. Daily. 12 Weekly. 2 Weekly. Daily. 2 Weekly.
3.	HIMALAYAN AVIATION LTD., CALCUTTA	Bombay-Karachi-Zahidan-Kandhar-Kabul	3 Weekly.
	KALINGA AIRLINES, CALCUTTA	Calcutta-Agartala (Freight Service)	2 to 8 Daily.
4.	INDIAN NATIONAL AIRWAYS LTD., NEW DELHI	Delhi-Lahore Delhi-Jaipur-Jodhpur-Karachi Delhi-Calcutta Calcutta-Rangoon Delhi-Amritsar-Jammu-Srinagar Calcutta-Patna-Khatmandu Patna-Khatmandu	Daily. 5 Weekly. Daily. Daily. Daily. 5 Weekly. 5 Weekly.

AIR SERVICES—contd.

No.	FORMER COMPANY.	ROUTE.	FREQUENCY.
5.	DECOAN AIRWAYS LTD., BEGUMPET	Madras-Hyderabad-Nagpur-Delhi Hyderabad-Bangalore Hyderabad-Bombay Delhi-Nagpur-Madras Bombay-Nagpur-Calcutta	Daily. Daily. Daily. Daily. Daily.
6.	AIR INDIA LTD., BOMBAY	Bombay-Calcutta Bombay-Delhi Bombay-Ahmedabad-Karachi Bombay-Madras-Tiruchirappalli-Colombo M a d r a s - B a n g a l o r e - C o l m b a t o r e - C o c h i n - Trivandrum	Daily. Daily. Daily. Daily. Daily.
7.	AIR SERVICES OF INDIA LTD., BOMBAY	Bombay-Keshod-Jamnagar-Bhu Bombay-Bhavnagar-Rajkot Bombay-Poona-Belgaum-Bangalore Bombay-Mangalore-Cochin	5 Weekly. Daily. 1 Weekly. 3 Weekly.
8.	AIR INDIA INTERNATIONAL LTD., BOMBAY	Calcutta-Delhi-Bombay-Cairo-Rome Dusseldorf-Geneva-Paris-London Bombay-Karachi-Aden-Nairobi	3 Weekly. 2 Weekly.

AIRCRAFT

Indian airlines have had a fleet of 110 aircraft. But the actual number required to operate the services on the present scale cannot be more than 50.

Of the 110 aircraft 91 are twin-engined, 21-seater Dakotas; 12 twin-engined, 27-seater Vikings; three four-engined, 56-seater Sky-masters and four four-engined, 44-seater, fully-pressurised Constellations.

Two of these four types of aircraft, Dakotas and Vikings, both non-pressurised and each carrying a 4-member flight-crew consisting of pilot, co-pilot, radio officer, and air-hostess, are operated on domestic sectors and short-range foreign routes, like Pakistan (both East and West), Burma, Ceylon, Afghanistan, Kashmir, and Nepal, whereas non-pressurised Sky-masters operate on Calcutta-Bangkok-Singapore-Djakarta route.

Pressurised Constellations operate from New Delhi, Calcutta and Bombay to Cairo, Rome, Paris, Geneva, Dusseldorf, London, Karachi, Aden, and Nairobi.

International air carriers, like the Sky-masters and Constellations, carry a complement of 7-member flight-crew—commander or pilot-in-command, first officer or co-pilot, flight navigating officer, flight engineer, flight radio officer, flight pursuer or cabin service officer, and air-hostess or stewardess.

Sometimes on long range journey, like Bombay-Nairobi service, even ten-member crew is also carried to ensure additional margin of safety.

FACTS AND FIGURES

Some basic facts are as follows:

Total route mileage ..	27,763 miles
Domestic route ..	14,050 "
International ..	13,713 "
Aircraft miles flown (Jan.-June 1953) ..	9,900,000
Passengers carried (Jan.-June 1953) ..	230,000
Freight carried (Jan.-June 1953) ..	48 million lbs.
Mail carried (Jan.-June 1953) ..	4.4 million lbs.
Load factor (Jan.-June 1953) ..	68.5 per cent.
No. of aircraft registered (1st July, 1953) ..	655
No. of aircraft holding certificates of airworthiness (1st July 1953) ..	167
No. of pilots with A licences (1st June, 1953) ..	440

No. of pilots with A-1 licences (1st June, 1953) ..	2
No. of pilots with B licences (1st June, 1953) ..	531
No. of pilots with P-1 licences (1st June, 1953) ..	46
No. of Navigators with 1st class licence (1st June, 1953) ..	12
No. of Navigators with 2nd class licence (1st June, 1953) ..	54
No. of Radio Telegraph Operators with 1st class licences (1st June, 1953) ..	10
No. of Radio Telegraph Operators with 2nd class licences ..	160
No. of Radio Telegraph Operators with Provisional licences ..	5
No. of Radio Telephone Operators (Regular) 1st June, 1953 ..	241
No. of Radio Telephone Operators (Provisional) (1st June, 1953) ..	2
No. of aircraft maintenance engineers with licences (1st July, 1953) ..	612

On the 14 Indian transport companies 2.24 million miles were flown, and 54,139 passengers and 32.48 million lb. of freight were carried between January and June 1953.

Thus on the scheduled and non-scheduled services together 12 million miles were flown, 284,000 passengers carried, 80 million lb. of freight, and 4.4 million lb. of mail were transported between January and June 1953.

The corresponding figures for the preceding half year were 12.7 million miles, 281,000 passengers, 107.5 million lb. of freight and 4.4 million lb. of mail.

AERODROMES

There were 77 aerodromes in India on June 1, 1953.

During 1952-53, the revenue that accrued to the national exchequer on account of the Central Government aerodromes was Rs. 5,698,400.

The Indian airlines contributed to that revenue to the extent of Rs. 4,245,296 while the contribution of foreign airlines using Indian aerodromes totalled Rs. 1,453,104.

Below is a list of the aerodromes maintained by the Civil Aviation Department on June 1, 1953.

The following aerodromes are classed as International Aerodromes:

Bombay Airport (Santa Cruz); Calcutta Airport (Dum Dum); Delhi Airport (Palam).

The following aerodromes are classed as Major Aerodromes:

Agartala (Tripura); Ahmedabad; Begumpet (Hyderabad); Bombay (Juhu); Delhi (Safdarjung); Gauhati; Madras (St. Thomas Mt.); Nagpur.

The following aerodromes are classed as Intermediate Aerodromes:

Allahabad; Amritsar; Aurangabad (Hyderabad); Bagdogra (West Bengal); Banaras; Baroda; Barrackpore; Bhavnagar; Bhopal; Bhuji (Kutch); Coimbatore; Cuttack (Bhubaneswar); Gaya; Indore; Jaipur; Jorhat (Assam); Junagadh (Hashod); Lucknow (Amausi); Madras; Mangalore (Rajpet); Mohanbari (Assam); Patna; Porbandar (Saurashtra); Rajkot; Tezpur (Assam); Tiruchirappalli; Trivandrum; Vijayawada; Vishakapatnam.

The following aerodromes are classed as Minor Aerodromes:

Akola; Asansol; Bareilly; Belonia (Assam); Bilaspur; Chakulia (Bihar); Cuddappah (Andhra); Donakonda (Madras); Gorakhpur (Rusmi); Jhansi; Jharsuguda (Orissa); Jubbulpore; Kailashahar (Assam); Kamalpur (Assam); Kanpur (Civil) (Uttar Pradesh); Khandwa; Khosait (Assam); Kolhapur; Kotah (Rajasthan); Lalitpur (U.P.); Manipur Road (Assam); Mysore; North Lakhimpur (Assam); Palampur (Deesa) (Bombay); Pasighat (Assam); Raipur; Rajahmundry; Ramnagar; Ranchi; Sadilya (Assam); Saharanpur (U.P.); Shella (Assam); Sholapur; Tanjore; Udaipur; Vellore; Warangal.

FLYING CLUBS

There were 10 flying clubs Centrally subsidised on 1st July, 1953—Delhi, Bombay, Madras, Bengal, Bihar, Hind Provincial, Orissa, Northern India, Madhya Pradesh, Government Flying Training School at Bangalore.

A new club in Rajasthan started activities with the headquarters at Jaipur in 1953.

These flying clubs trained 104 'A' and 47 'B' pilots between January and June 1953.

The number of aircraft on charge on June 1, 1953 was 116, out of which 54 were serviceable and 62 unserviceable. Out of 116 aircraft 40 belonged to the Government and 76 to the clubs.

The number of pilots employed was 30, aircraft maintenance engineers 29, mechanics 82.

The aircraft flew 1274 hours in one month—May 1953.

There were two centrally subsidized gliding clubs on July 1, 1953—the Indian Gliding Association, Bombay; Delhi Gliding Club, New Delhi.

The number of gliders on charge on 1st June, 1953 was 8 all of which belonged to Government. The number of pilot instructors was two, and of operator-cum-mechanic one.

The number of hours flown by the Association in Bombay in May 1953 was 26 hours and 22 minutes.

It trained 17 pilots upto 'B' certificate, 3 pilots upto 'C' certificate, one pilot upto 'CC' certificate.

The total subsidy granted to flying and glider clubs in 1952-53 was Rs. 971,847.

The Government bought in all 151 training craft which they loaned to the flying and gliding clubs. Of these only 75 (Aug. 1, 1953) were in commission. The total cost of the 151 training craft was Rs. 7,239,315.

The Civil Aviation Training Centre at Allahabad opened in 1948 trains pilots, engineers, aerodrome control officers, radio operators and technicians.

AIR TRAINING

Facilities for training in flying, aircraft engineering, communications and air traffic control available at the Civil Aviation Training Centre, Allahabad comprises the following four wings, viz:—

(1) Flying School; (2) Aerodrome Officers' Training School; (3) Engineering School; (4) Communication School.

In addition a Repair and Overhaul Organisation is also attached to the Centre for carrying out repairs and overhaul of the Centre's aircraft.

At the Civil Aviation Training Centre at Allahabad (Jan to June, 1953):

20 trainees completed the pilot's ground training course; 16 the Dakota conversion course; 11 the aircraft maintenance engineers' course; 18 the air traffic control officers' course; 29 the aerodrome operators' course; 11 the radio technicians' refresher course, eight the radio technicians' advanced refresher course; 13 the radio operators' advanced refresher course; and 5 the radio technicians abinitio course at the Civil Aviation Training Centre, Allahabad.

At the end of June, 1953, 79 trainees were under training at the centre.

The Centre has acquired the reputation of being the best of its kind in the East.

AERONAUTICAL COMMUNICATION ORGANIZATION

This is a branch of the Civil Aviation Department organised in 1946.

The aeronautical communication stations provide facilities for air/ground communication, radio aid to navigation, point to point communications and Met broadcasts for the benefit of aviators.

For purposes of organization, India has been divided into four regions, each under the charge of a Controller of Communication, who is responsible for maintenance and operation of the communication stations in his region.

The communication organisation has the following ancillary units:—

The Radio Construction Unit; The Radio Development Unit; The Radio Stores Depot.

The new installations and major repairs to technical equipment are carried out by the Construction Unit. The Radio Development unit, which came into existence in January, 1948, is engaged in carrying out research and development work on problems pertaining to aeronautical communications. The Radio Stores

Depot is the central stores organization responsible for the stocking and distribution of all equipment and spares to the stations.

A Research and Development Branch was created in April 1946.

A Technical Centre has been established in New Delhi. Research and Development work concerning problems of aircraft design, construction, modification and repair, development of aircraft materials and processes, development and use of safety devices, analysis of technical problems of air transportation and, in general, such scientific and advanced technical work considered necessary for the promotion of civil aviation is carried out at this Centre.

The need for aircraft manufacturing was keenly felt immediately on the outbreak of the War and the Hindustan Aircraft Company was established in the year 1940. Aircraft, aero-materials, accessories and parts are now being manufactured in the country.

DEVELOPMENTS IN 1953

Night air services continued to operate satisfactorily during the period; 13,343 passengers, 524,156 lb. of freight and 1,564,396 lb. of mails were carried on the night services, giving a daily average of 74 passengers, 2,896 lb. of freight and 5,843 lb. of mails.

The Government of India granted a loan of Rs. 25 lakhs to Air India International Ltd. towards the purchase of two Super Constellation aircraft.

A provisional payment of Rs. 3 lakhs was made to Bharat Airways Ltd. as subsidy to cover the losses incurred by the company in the operation of its scheduled services on the route Calcutta-Singapore during October, 1951 to October, 1952.

Financial assistance to air companies was continued for the period January to December, 1952, at the rate of six annas per gallon of aviation fuel consumed on scheduled air operations.

A new concrete runway at Calcutta (Dum Dum) airport 7,000 feet long by 150 feet wide, with a paved overrun of 250 feet at each end was opened to traffic on March 1, 1953.

The work of extension of the east-west runway at Bombay (Santa Cruz) airport from 5,200 feet to 7,000 feet was completed and the runway opened to traffic on May 15, 1953.

Air traffic control facilities were provided at Imphal (Koirengle) and Pathankot aerodromes.

An aerodrome visual beacon with alternate green and white flashes was installed at Allahabad on February 2, 1953.

A land mark beacon was installed at Akola on March 2, 1953 and a mobile rotating beacon (aerial lighthouse) was put into commission at Raipur on April 4, 1953.

A rotating beacon with white flashes was installed at Coimbatore on June 9, 1953.

Sixteen new facilities were put into commission during the period under review.

An aeronautical tele-communication station was established at Balurghat aerodrome.

An automatic marconi AD 200 VHF/DF facility was installed at the aeronautical tele-communication station Nagpur and a high power MF beacon was installed at Mangalore.

The reporting beacon previously installed and operated at Kalna was withdrawn and was re-installed at Berhampore. This beacon will facilitate control of air traffic at Dum Dum airport.

Approach control facilities on VHF radio telephony channel were provided at Begumpet, Bhopal, Aurangabad, Jalpur, Amritsar, Bangalore, Madras, Cochin and Coimbatore.

In addition, a long range HF air ground radio telephony was provided at Bombay aerodrome, control VHF radio telephony at Bhavnagar and inter tower radio telephony at Mohanbari.

Radio navigation and communication facilities were installed at Madras airfield.

Emergency installations of aeronautical tele-communication and navigation facilities were carried out at Hatwa and Satna.

During the period under review, 13 major accidents occurred to Indian registered aircraft, of which one occurred outside India, in Nepal.

Out of these 13, two accidents related to aircraft engaged on scheduled passenger air services, two to aircraft engaged on scheduled freight air services, one to aircraft engaged in non-scheduled operations and the remaining eight to flying club and private aircraft.

Two of these accidents involved fatalities taking a toll of 21 lives.

Dakota conversion courses for 'B' licensed pilots were introduced at the Centre.

The budget estimates for the year 1952-53 under the two demands, Revenue and Capital pertaining to civil aviation are as follows:—

Revenue	Rs. 2,80,28,000
Capital	Rs. 1,50,00,000

India is a member of the International Civil Aviation Organisation and has been elected to its Council.

AIR AGREEMENT

India has entered into bilateral air agreements with the following 12 countries on the dates shown against each:—

U.S.A.	14-11-46
France	16-7-47
Sweden	21-5-48
Pakistan	23-6-48
Ceylon	21-12-48
Switzerland	24-6-49
Australia	11-7-49
The Philippines	20-10-49
Netherlands	24-5-51
U.K.	1-12-51
Afghanistan	26-1-52
Egypt	14-6-52

The Agreement with Sweden is not operative at present.

There are temporary air agreements with Italy, Thailand, Burma, Norway, Denmark, Iran, Iraq, Sweden, Nepal, Indonesia.

NATIONALIZATION

Authorized capital of the companies taken over	Rs. 214,071,429
Paid-up Capital	Rs. 69,733,549
Total staff	9,500

Govt. loan to Air India International at 4½ per cent interest Rs. 25 lakhs

Govt. loan to Deccan Airways at 4½ per cent interest Rs. 10.5 "

Financially, most of India's airlines were a miserable failure. Too many more air-operators than were warranted for the country's requirements; too many aeroplanes, far in excess of her present needs; duplication and overlapping of existing routes; paucity of both adequate and additional traffic potentially; inadequacy of unexplored or untapped new routes, both in India and the neighbouring countries; lack of general prosperity among the travelling public; rigid Government control on fares relating to passengers, air-freight, and postal mail; the specified routes on which to operate on the basis of a licence issued by the Air Transport Licensing Board of the Government of India's Directorate-General of Civil Aviation; and highly prohibitive costs of aviation fuel and oil were some of the contributing factors, leading to the incurrence of huge losses by Indian civil air transport operators.

Carriage of a major portion of the postal mail, passenger traffic, and air-freight by night air services deprived the day air operators of what was formerly their legitimate due.

Fares at present obtaining, in India, even for day services, are among the lowest in the world. Any excessive slashing down of the existing fare-structure is bound to be disastrous to the Indian air services. There is actually a strong case for an enhancement of the present fares, if India's nationalised airways are not to prove a drain on India's exchequer.

RAILWAYS

THE total route mileage of all the railways in India on April 14, 1952 was 34,119.44. The total electrified route mileage was 235.99.

Some railways are company-managed. The total route mileage of these railways on October 1, 1952 was 965.

The total capital at charge on March 31, 1952 was Rs 850.11 crores. On other than Government railways the capital at charge was Rs. 1.14 crores.

There are three kinds of gauges, broad (5 ft. 6 in.), metre (3 ft. 3½ in.) and narrow (2 ft. 6 in.). There is also a light gauge usually laid on the mountains (2 ft.). Examples of this last are the Matheran (Hill) Light Railway, and the Darjeeling-Himalayan. The longest line in this class is the Scindia State, 294 miles.

The fares are as follows :—

Air Conditioned Class	30 ples per mile
I Class	27 " " "
II Class	16 " " "
Inter Class	10.5 ples per mile (mail).
"	9 " " " (ordinary).
III Class	6 " " " (mail).
"	5 " " " (ordinary).

ZONAL ADMINISTRATION

The entire Government railway system is now regrouped into six administrations: the Southern Railway, the Western Railway, the Central Railway, the Northern Railway, the Eastern Railway and the North-Eastern Railway.

The headquarters of the Southern Railway are at Madras, of the Western Railway at Bombay, of the Central Railway also at Bombay, of the Northern Railway at Delhi, of the Eastern Railway at Calcutta, and of the North-Eastern at Gorakhpur.

There are 10 company railways: Barasat and Basirhat Light (Calcutta); Bukhtiarpur-Bihar Light (Patna); Barsi Light (Kurdawadi)**; Bombay Port Trust (Bombay); Calcutta Port Commissioners (Calcutta); Dehri Rohtas Light (Dalminagar); Madras Port Trust (Madras); Martin Burn Ltd. (Calcutta); McLeod and Co. (Calcutta).

Before the amalgamation there were 35 railway systems in India of which 22 were owned by the Indian Government.

These 22 were :—

Assam, Bengal Nagpur, Bombay Baroda and Central India, Bezpada, Dhone Kurnool, Darjeeling-Himalayan, East Indian, Eastern Punjab, Great Indian Peninsula, Madras and Southern Mahratha, Oudh Tirhut, South Indian, Bikaner State Railway, Kutch State Railway, Dholpur State Railway, Jaipur State Railway, Jodhpur Railway, Mysore State Railway, Nizam's State Railway, Rajasthan Railway, Saurashtra Railway, Scindia State Railway.

The chief administrations were the Assam Railway, the Bengal Nagpur Railway, the Bombay Baroda & Central India Railway, the East Indian Railway, the Punjab Railway, the Great Indian Peninsula Railway, the Madras and Southern Mahratha Railway, the Mysore State Railway, the H.E.H. Nizam's State Railway, the Oudh Tirhut Railway, the South Indian Railway and the Saurashtra Railway.

The highest administrative authority for the railways is the Railway Board.

The Indian Railway Conference Association, New Delhi, is a sort of clearing house for all railways.

The majority of the railways are still organized on a Departmental basis, though the general drift is towards the Divisional organization.

There are a number of Committees which have been associated with the Railway Administration: Standing Finance Committee, Central Advisory Council, Railway Rates Tribunal, Indian Railway Fuel Committee.

There are also a number of standardization Committees such as for bridges, structure, track, signalling and inter-locking, building, locomotive, carriage and wagon, electrical, specifications.

There are also Railway Users' Consultative Committees at the zonal, regional and national level.

There is a Railway Service Commission in Bombay and another in Calcutta.

A training college for railway officers and staff was opened at Baroda in January 1952.

In the budget for 1952-53 there was provision for a Railway Research and Testing Centre at Lucknow.

Some of the more important officials are given below :

Chairman and Member (Engineering), Railway Board, F. C. Badwar.

Chairman, Railway Conference Association, K. P. Mushran.

General Manager, Central Railway, H. P. Hira.

" " Eastern Railway, P. C. Mukerjee.

" " Northern Railway, K. B. Mathur.

" " North-Eastern Railway, G. Pande.

" " Southern Railway, T. A. Joseph.

" " Western Railway, K. P. Mushran.

STATISTICS

Some statistical information about Indian Railways is given below :—

	(Rs. in crores)
Capital at Charge (March 31, 1952)	850.11
Total Mileage (April 1952)	34,119.44
Broad-Gauge	15,702.37
Metre-Gauge	15,080.38
Narrow and Light	3,356.69
New Lines opened to Traffic during 1951-52	16.35
Lines under Construction (1951-52)	284.29
Total No. of Locos (March 31, 1952)	8,572
No. of Steam Locos	8,483
No. of Diesel Electric Locos	17
No. of Electric Locos	72
Total tractive effort of Locos in lb.	19,65,66,483
Tractive effort of Steam Locos in lb.	19,39,57,483
Tractive effort of Diesel Locos in lb.	4,58,400
Tractive effort of Electric Locos in lb.	21,50,600

No. of Passenger Carriages (March 31, 1952)	15,034
Total No. of Seats (March 31, 1952)	1,008,129
No. of 1st Class seats*	33,496
" " 2nd Class	38,996
" " Inter Class	62,437
" " 3rd Class	873,200
No of Goods Vehicles (March 31, 1952)	207,287
Total carrying Capacity in tons	3,640,864
Total No. of Passengers Carried (1951-52) (Crores)	123.21
No. of 1st Class Passengers (Million)	14.08
No. of 2nd Class Passengers (Million)	4.98
No. of Inter Class Passengers (Million)	21.42
No. of 3rd Class Passengers (Crores)	119.16
Total Passenger Miles (Crores)	3.955
Average Miles per Passenger	32.1
Total Earnings from Passengers (1951-52) (Rs. in Crores)	111.4176†
Earnings from 1st Class Passengers (Rs. in Crores)	2.2509‡
Earnings from 2nd Class Passengers (Rs. in Crores)	4.5712
Earnings from Inter Class Passengers (Rs. in Crores)	6.6797
Earnings from 3rd Class Passengers (Rs. in Crores)	97.7301
Goods Carried (1951-52) (Million tons)	98.025
Net ton Miles (Crores)	2,901.7658
Average Miles a Ton of Goods was Carried	296.0
Earnings from Goods Carried (Rs. in Crores)	153.9403††
Average rate Charged for one Ton one Mile (Pics)	10.2

STAFF

The total strength of Staff (March 31, 1952)	934,690§
Class I and II Staff	2,372
Class III and IV Staff	932,314
Class IV and Workshop Staff	650,275
The total cost of all Staff (Rs. in Crores)	122.85
The total cost of Class I and Class II (Rs. in Crores)	2.91
The total cost of Class III staff rising to above Rs. 250 per month (Rs. in crores)	6.72
The total cost of Class III staff, rising to not more than Rs. 250 per month (Rs. in crores)	46.13
The total cost of workshop staff plus other staff of the Mechanical Dept. Class IV (Rs. in Crores)	27.49
The total cost of Class IV staff of all departments other than Mechanical (Rs. in Crores)	39.60
Man-days lost due to Sickness	7,494,909
Man-days lost due to Strikes or Lock-outs	17,345
Total Man-days lost	7,512,254
Total No. of Female Employees	7,890
Class I and II Officers	3
Class III Staff :	
Clerks	609
Stenographers	61
Nurses	370
Teachers	898
Others	354
Class IV Staff	6,104

* First Class was abolished on all Trains except some long distance trains on October 1, 1953.

** There is provision in the 1953-54 budget to take over this railway.

† In 1952-53 the total passenger earnings were Rs. 100.36 crores.

‡ Gross earnings from Class I passengers (Jan.-March 1953) were Rs. 41.25 lakhs.

†† 1952-53, Rs. 146.13 crores.

§ Includes four officers on loan from the Indian Audit and Accounts Service.

FINANCIAL STATISTICS (1951-52)

(Rupees in crores).

Capital at Charge	Gross Earnings	Working Expenses	Net Earnings	Percentage of Working Expenses to Gross Earnings	Percentage of Net Earnings to Capital
FOR INDIAN GOVERNMENT RAILWAYS					
825.39	290.85	224.99	65.86	77.36	7.98
FOR OTHER RAILWAYS					
11.2	3.24	2.52	.72	77.50	6.48
861.55*	294.14*	227.58*	66.55*	77.37	7.72

*There are miscellaneous items which are included in the figure.

The total dividend to General Revenues chargeable against Net Revenue Receipts of Indian Railways was Rs. 33.41 crores in 1951-52 and Rs. 32.51 crores in 1950-51.

The value of stores imported direct by the Indian Railways (1951-52)—Rs. 18.92 crores.

The value of imported stores purchased in India—Rs. 10.41 crores.

The value of stores of Indian manufacture or of indigenous origin—Rs. 68.34 crores.

ROLLING STOCK (1952-53)

During 1952-53, 791 indigenous coaches and 104 foreign coaches were put into commission compared with 673 and 98 in 1951-52. As regards wagons, 6,377 indigenous and 6,611 foreign were put on the line in 1952-53, compared with 3,707 and 671 in 1951-52.

ACCIDENTS

Accidents from movement of trains, etc.:

	Killed	Seriously Injured	Minor Injuries
Passengers	403	1,390	1,886
Railway Servants	145	372	5,028
Other Persons	3,500	1,511	420
TOTAL	4,048	3,279	7,334
1. No. of Collisions in which Passenger Trains were Involved	13	Injured, escaped with minor injuries in (2)	24 12 117
2. No. of Derailment to Passenger Trains	156	No. of persons killed, seriously injured, escaped with minor injuries in (3)	Nil 1 12
3. No. of Train wrecks	8	Total Number of persons killed, seriously injured or escaped with minor injuries in accidents due to collision, derailment, fires, failure of engines, etc... .. .	
4. Attempted Trains wrecking	73		
No. of persons killed, seriously injured, escaped with minor injuries in (1)	14 24 133		
No. of persons killed, seriously injured, escaped with minor injuries in (2)			
No. of persons killed, seriously injured, escaped with minor injuries in (3)			
No. of persons killed, seriously injured, escaped with minor injuries in (4)			
No. of persons killed, seriously injured, escaped with minor injuries in (5)			
No. of persons killed, seriously injured, escaped with minor injuries in (6)			
No. of persons killed, seriously injured, escaped with minor injuries in (7)			
No. of persons killed, seriously injured, escaped with minor injuries in (8)			
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No. of persons killed, seriously injured, escaped with minor injuries in (33)			
No. of persons killed, seriously injured, escaped with minor injuries in (34)			
No. of persons killed, seriously injured, escaped with minor injuries in (35)			
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TICKETLESS TRAVELLERS

The number of ticketless travellers during 1952-53 was 8,415,088 (1951: 7,900,918).

The total amount of fare and penalty realized was Rs. 1,66,68,073 (1951: Rs. 1,65,58,180).

The number of persons challenged in the courts was 262,653 (1951: 224,500), and the number found guilty 172,053 (159,486).

The amount of fine realized was Rs. 5,12,219 (Rs. 4,57,064).

1953-54 BUDGET

The main figures are as follows:—

(Rupees in crores).

	Actuals, 1951-52.	Budget, 1952-53.	Revised Estimate, 1952-53.	Budget, 1953-54.
Gross traffic receipts	200.82	282.16	260.55	272.28
Working expenses	194.35	187.93	189.10	191.20
Net miscellaneous expenditure	4.72	6.76	6.86	7.00
Appropriation to depreciation reserve fund	30.00	30.00	30.00	30.00
Total	229.07	224.89	225.96	228.20
Net railway revenues	61.75	57.47	43.59	44.08
Dividend to general revenues	33.41	34.00	34.11	34.77
Net surplus	28.34	23.47	9.48	9.81

The Capital budget (revised estimate) for 1952-53 .. Rs. in crores 76.79

The Capital budget for 1953-54 .. 79.61

The capital programme placed primary emphasis on rehabilitation but due consideration was given to the necessity for augmenting rolling stock, the construction of new lines, relieving bottlenecks and providing better passenger facilities.

Works was to commence on five new lines and seven other projects were to be surveyed.

The Barsi Light Railway was to be purchased.

Railway users were brought into closer contact with the administration at all levels with the establishment of Railway Users' Consultative Committees at the regional, zonal and national levels.

First class railway travel was abolished on October 1, 1953 on all trains except a few.

The ultimate objective, it was stated, was to

have two classes, an upper and a lower besides air-conditioned accommodation.

Teachers of recognised schools became entitled to half concession fares on the railways for educational tours from April 1. Concession tickets to volunteers working on community projects were also issued from April, 1953.

An ad hoc tribunal was set up to deal with labour disputes that cannot be settled by discussion between the Railway Board and the Railwaymen's Federation.

It was announced by the Minister for Railways in the course of his speech introducing the budget for 1953-54 that indigenous production was able to meet the normal requirements of the railways of rails, wagons and coaches.

About 8,000 quarters were to be constructed for railway workers.

In 1952-53 the bill for labour welfare was Rs. 7 crores.

SOME ALLOCATIONS FOR 1953-54

(Rs. in crores)

For new lines and restoration of dismantled lines	6.70
Coach building factory at Perambur	1.30
Works, machinery, rolling-stock	79.61
Staff quarters and amenities	4.86
Purchase of Barsi Railway	1.89

(Rs. in lakhs)

Kalyan Power House	40
Railway facilities for Oil refineries at Kurla	40

The following developmental projects were either completed or taken up during 1952-53:

Deesa-Gandhidham section of the Western Railway opened in October, 1952; Bijnor-Chandpur Siau section of the Northern Railway, restored and opened to traffic in November, 1952; Vasad-Kathana line on the Western Railway expected to be completed in 1953; Qullon-Ernakulam metre-gauge link on the Southern Railway commenced in December, 1952; and extension of Kalyan Power House on the Central Railway, at a cost of Rs. 3 crores, opened in December, 1952; work on the rail-cum-road bridge over the Ganga near Mokameh, was resumed.

The following new lines were taken in hand in 1953-54:

Khandwa-Hingoli link in Madhya Pradesh, 186 miles long with a total anticipated cost of Rs. 7.50 crores; rail connection from the Gau-Barabail area to the Manharpur-Bourkela section, in Bihar and Orissa, 31 miles long at an estimated cost of Rs. 3.5 crores; the Champa-Korba line in Madhya Pradesh, 22 miles long at an anticipated cost of Rs. 88 lakhs; the Gandhidham-Kandla link in Kutch, 7 miles long with an anticipated cost of Rs. 57 lakhs; the Gop-Katkola line in Saurashtra, 21 miles long at a cost of Rs. 34 lakhs; and conversion of the Tezpur-Balpara line, in Assam, on the North-Eastern Railway, from narrow-gauge to meter-gauge, 20 miles long at a cost of Rs. 40 lakhs.

The following seven projects were under survey:

The Deva-Dagaon line in Bombay; electrification of the Calcutta suburban section in West Bengal; the Mangalore-Hassan line in Madras and Mysore States; the rail connection to Etah, Uttar Pradesh; rail connection to Chandigarh, in the Punjab; the Tildanga-Malda branch in West Bengal; the Fatehpur-Churu line in Rajasthan.

ROLLING STOCK

The rolling stock programme for 1953-54 would cost Rs. 42 crores, of which Rs. 16.69 crores were for purchases from abroad.

At the Chittaranjan Locomotive Works already about 70 per cent of locomotive parts are manufactured.

It is expected that by the end of 1954 all except proprietary and some special parts will be manufactured in this country.

Till the end of 1952 the Works produced 49 locomotives.

The Tata Locomotive and Engineering Co. produces metre gauge locomotives. Till the end of January 1953 it produced 35.

When the two are in full production India will be self-sufficient in the matter of locomotive replacement.

About passenger coaches the Perambur factory will be able to produce 350 all-steel coaches when working at full capacity.

Wagons have been manufactured in India for 30 years.

Total number of locomotives to be acquired in 1953-54	245
No. that will come from Chittaranjan	36
No. of boilers to be acquired	187
Total no. of wagons to be acquired	11,284
No. which will be manufactured in India	7,000
No. of passenger coaches to be acquired	1,143
No. which will be manufactured in India	600
	to 650

EFFICIENCY

Composite index of operating efficiency on broad gauge lines	1950-51	100.7
	1951-52	192.8
Composite index of operating efficiency on metre gauge lines	1950-51	92.4
	1951-52	93.6
Punctuality on broad gauge	1950-51	77.1
	1951-52	78.4
Punctuality on metre gauge	1950-51	74.3
	1951-52	81
No. of new trains introduced .. Apr. 1952-Jan. 1953		109
No. of trains whose runs were extended		108

The statistical position about the regional administrations for 1952-53 was as follows:

CENTRAL RAILWAY, 1952-53

(Victoria Terminus, Bombay 1)

Total Route Mileage	5,427.61
Broad Gauge	4,001.14
Metre Gauge	772.40
Narrow Gauge	503.98
New Construction in Hand, Mileage	4.21
Mileage Electrified	184.85
Capital at Charge (Rs. in crores)	165.70
Gross Revenue Receipts (Rs. in crores)	46.70
Working Expenses	38.36
Net Revenue Receipts	8.34
No. of Locomotives actually running on March 31, 1953	1,085
	Steam 66
	Electric 66
Total No. of Passenger Carriages (in units) actually running on March 31, 1953	1,802
Passenger Carrying Capacity—	
Seats by Classes—	
Air Conditioned	112
First Class	9,232
Second Class	6,286
Inter Class	4,915
Third Class	122,640
No. of Passengers Carried (in millions)	240.5
No. of Wagons actually running on March 31, 1953	21,800
	Covered 7,761
	Open 17.2
Tonnage lifted (in millions)	17.2
Total No. of Staff on March 31, 1952	168,068

EASTERN RAILWAY, 1952-53

(Esplanade Mansions, Calcutta 1)

Total Mileage	5,674.90
Broad Gauge	4,732.93
Metre Gauge	Nil
Narrow Gauge	941.97
New Construction in Hand	17.198
Mileage Electrified	Nil
Capital at Charge	Rs. 2,18,74,63,116
Gross Revenue Receipts	Rs. 70,83,12,154
Working Expenses (including Suspense)	Rs. 50,19,15,302
Net Revenue Receipts	Rs. 11,63,96,762

NORTHERN RAILWAY*

(Baroda House, New Delhi)

Total Mileage	6,044.020 Miles
Broad Gauge	3,905.566 Miles
Metre Gauge	2,010.524 Miles
Narrow Gauge	127.93 Miles
New Construction in Hand	145.05 Miles
Mileage Electrified	Nil
Capital at Charge	Rs. 1,35,18,34,000
No. of Passengers Carried on the System	154,377,418

* Figures are for 1951-52.

NORTH-EASTERN RAILWAY, 1951-52

(Gorakhpur)

Total Mileage	4,766.87
Broad Gauge	2.15
Metre Gauge	4,712.75
Narrow Gauge	51.97
New Construction in Hand	Nil
Mileage Electrified	Nil
Capital at Charge† (in thousands) Rs.	8,45,032
Gross Earnings†	2,79,825
Working Expenses†	2,91,082
Net Earnings†	(—)11,437
Total No. of Engines on line (in units)	993
No. of Locomotives (Electric)	Nil
No. of Passenger Coaches	2,230
Passenger Carrying Capacity:—	
(a) Air Conditioned	Nil
(b) 1st Class	2,806
(c) 2nd Class	3,137
(d) Intermediate Class	8,134
(e) 3rd Class	99,350
No. of Passengers Carried (in hundreds)	12,61,804
No. of Goods Wagons, Covered (in units)	16,052
No. of Goods Wagons, Open	1,764
Tonnage lifted (tons in hundred)	10,551
No. of Staff (Total) (in units)	106,868
	† Provisional.

SOUTHERN RAILWAY, 1952-53

(Madras Central, Madras)

Total Mileage	6,024.40
Broad Gauge	1,763.30
Metre Gauge	4,158.90
Narrow Gauge	102.20
New Construction in Hand—	
Quilon—Ernakulam Railway—M.G. (in miles)	106.25
Mileage Electrified	18.14
Capital at Charge (Rs. in crores)	119.16*
Gross Revenue Receipts (Rs. in crores)	47.38*
Working Expenses (Rs. in crores)	35.23*
Net Revenue Receipts (Rs. in crores)	12.15*
No. of Locomotives (Steam)	1,417
No. of Locomotives (Electric)	4
No. of Passenger Coaches	3,097
Air Conditioned Passenger Carrying Capacity	Nil
I Class	2,957
II	9,270
Inter	13,913
III	175,583
No. of Passengers Carried (in thousands)	213,264
No. of Goods Wagons (Covered)	15,408*
No. of Goods Wagons (Open)	5,322*
Tonnage lifted (in thousands)	13,908
Staff (Total)	133,009
	* Provisional.

WESTERN RAILWAY, 1952-53

(Churchgate, Bombay)

Total Route Mileage	5,576.47
Broad Gauge	1,261.33
Metre Gauge	3,538.11
Narrow Gauge	777.03
New Construction in hand:	
(i) The Nadiad Pithi N. G. Line 3.5 miles	
(ii) The Sangara Town—Toda Raisingh M.G. Extension 65.22 Miles	
Mileage electrified	37.25
	(route miles)
Capital at Charge	Rs. 100.30 crores.
Gross Revenue Receipts	41,50,82,270-4-9
Working Expenses	27,60,54,952-11-11
Net Revenue Receipts	13,90,27,326-8-10
No. of Locomotives (Steam)*	1,102
No. of Locomotives (Electric)*	2
No. of Locomotives (Diesel)*	27
Rail Motor Coaches*	42
No. of Passenger Coaches	2,554
Passenger carrying capacity	
Air conditioned	261
Passenger carrying capacity 1st Class	
Broad Gauge	4,964
Metre Gauge	2,472
Passenger carrying capacity (2nd Class)—	
Broad Gauge	3,009
Metre Gauge	1,195
Narrow Gauge	727
Passenger carrying capacity (Intermediate Class)—	
Broad Gauge	3,119
Metre Gauge	4,705
Passenger carrying capacity (3rd Class)—	
Broad Gauge	63,767
Metre Gauge	71,249
Narrow Gauge	9,479
No. of Passengers carried	261,607,235
No. of Goods Wagons (covered)*	16,862
No. of Goods Wagons (open)*	7,402
Tons carried	13,233,101
No. of staff	110,756
	* Provisional.

COMPANY RAILWAYS

Company.	Gauge.	Length in miles.	Designation of man in charge.	Head-quarters.
B. & B. L.	Narrow	52	Director and Manager	Calcutta
B. B. L.	"	33	General Manager	Patna
B. L.*	"	203	Agent and General Manager	Kurduwadi
B. P.	"	42	Manager and Engineer.	Magra
B. P. T.	Broad	8	Chairman	Bombay
C. P. C.	"	198	Chairman	Calcutta
D. R. L.	Narrow	24	Manager	Dalmianagar
M. P. T.	Broad and Metre	4	Chairman.	Madras
Martin Burn & Co.	Narrow	248	General Manager	Calcutta
MacLeod & Co.	"	153	Advisory Officer	Calcutta
Total mileage		965		

* There is provision in the 1953-54 budget to take over this railway.

LOCOMOTIVES

The country's requirements in locomotives is about 200 a year.

At present there are two factories which manufacture locomotives—the Chittaranjan Locomotive Works at Chittaranjan in West Bengal and the Tata Locomotive and Engineering Company. The former has an installed capacity of 120 locomotives a year, and the latter of 100.

Together, therefore, they will be able to meet the country's requirements when they go into full production. The Tata company which produces metre gauge locomotives works with the co-operation of the German firm of Krauss Maffel.

At present the out-turn from the Chittaranjan works is 60 per year.

Meanwhile the import programme has been as follows:

	Numbers	Value in Rs. lakhs
1948-49	149	4.54
1949-50	432	19.03
1950-51	220	8.79
1951-52	80	3.00
1952-53 (Est.)	207	
1953-54	313	20.80

GOODS WAGONS

The normal annual requirements of Indian railways is about 6,000 wagons.

Wagons have been manufactured in India for about 30 years. At present wagons are built at the railway workshops and the four following firms: 1. Burn & Co., Howrah; 2. Braithwaite & Co., Calcutta, 3. Indian Standard Wagons Ltd., Burnpur, 4. Jessop & Co., Calcutta.

The four firms listed above have an installed capacity of 6,000 wagons a year so that normally it should be possible to meet India's requirements from internal production. The supply of raw materials, however, like steel and of manufactured parts like wheels and axles do not keep up to the demand.

The actual production in 1951-52 was 3,925 wagons.

The import schedule is as follows:

1951-52	2,469
1952-53	1,744
1953-54	5,460
1954-55	4,710
1955-56	4,710

PASSENGER COACHES

Passenger coaches have been built in this country for the last fifty years in railway workshops, though certain parts like wheels, axles, underframes and electrical equipment have had to be imported.

At present coaches are built besides the railway workshops at Hindustan Aircraft Ltd., and two private companies—Braithwaite & Co. Ltd. and Indian Standard Wagon Co. Ltd. The foundation of the workshop at Perambur in Madras for the manufacture of all-steel integral types of coaches has been laid.

The installed capacity is roughly as follows: the two private companies—250 bogies per annum; railway workshops—500 bogies.

The Hindustan Aircraft has plans to increase its capacity to build 100 to 180 bogie passenger coaches per year.

The Perambur workshop when it is in full production (1957) will have a capacity to build 300 to 350 all-steel integral type coaches per annum. It will cost about Rs. 4 crores, and will start production by 1955 and will produce about 50 coaches in the first year (1955-56).

The required replacements (both arrears as well as current) during the Plan period is estimated at 8,535. As against this it is estimated that over 5,000 units will be available.

Production of coaches and underframes has been as follows:

	Coaches	Underframes
1948-49	238	118
1949-50	337	1,540
1950-51	479	584
1951-56	1,380	not available

The import schedule has been as follows:

1952-53	274
1953-54	292
1954-55	315
1955-56	315

FIVE-YEAR PLAN

Total allotment . Rs 400.0 crores.

The most serious problem is that of renewal and the provision of new equipment.

The proportions of the over-age stock are somewhat as follows. By March 31, 1950 about 2,090 locomotives, 8,535 coaches, 47,533 wagons will reach the normal age of replacement.

The position about stationary equipment is just as grave. Present speeds are restricted over 2,000 miles of track, because of its weak condition.

As against this the supply position would be as follows:

Locomotives: Chittaranjan will produce 120 locomotives and 50 spare boilers per annum, and the Tata works will produce about 200 locomotives.

Coaches: The estimated indigenous output during the Plan period is 4,380. The coach factory at Perambur will not start working till 1955.

Wagons: About 30,000 will be produced during the Plan period.

About track, it is proposed to deal with 400 to 500 miles of track every year. Use will be made of indigenous supply. About 2.3 million wooden sleepers (cost Rs 3.9 crores), 8 lakhs of cast iron sleepers and 6 lakhs of steel sleepers will be purchased.

Provision has been made for creating two new depots for the creosoting of timber at Clutterbuckganj and Colimbature in addition to those already in existence at Dhillwan (Punjab) and Naharkatiya (Assam).

Provision has been made for the opening of new lines at a cost of Rs. 20 crores.

For the whole Plan period the sum allotted is Rs. 400, about Rs 80 crores a year. Out of this Rs 320 crores will be raised by the railways themselves and Rs 80 crores will be provided as a grant from the Central revenues.

ROADS

THE country's road system in 1950-51 may roughly be described as follows—

The position of extra-municipal roads metalled and unmetalled as on March 31, 1948 was as follows:—

Metalled				Unmetalled	Total
Bituminous	Concrete	Water-bound macadam	Total surfaced		
10,711	763	78,634	90,108	158,806	248,914

The mileage of the national highways is 13,500. Out of this the four great trunk roads are 5,000 miles long.

The four great trunk roads stretching diagonally across the country form the framework with which most of the important subsidiary roads are linked. The most famous is the ancient marching route—known as the Grand Trunk Road—which stretches right across the northern part of the country from Delhi to Calcutta; the other three connect Calcutta with Madras, Madras with Bombay and Bombay with Delhi, and the four of them together account for about 5,000 out of the 90,110 miles of surfaced roads in the country.

These roads cannot be considered "all weather" roads according to modern standards. The Madras-Calcutta Road in particular is far from being bridged throughout its entire length.

As regards subsidiary roads, the best and most numerous are in South India. The worst served regions are Rajasthan and parts of the Punjab on the one hand, and Orissa and West Bengal on the other, the former owing to its aridity and sparse population, and the latter because of the numerous unbridged and mostly unbridgeable waterways which traverse it. In addition there are numerous other parts of the country, such as the lower Himalayas, which suffer from a dearth of communications owing to difficult terrain.

Besides surfaced roads, there is a very large mileage of "kutchas" roads amounting to approximately 160,000 miles, some of which are good for motor traffic during the dry weather.

The department in the Central Government which deals with the overall direction of the roads plan and co-ordination of provincial planning is the Roads Organization under the Ministry of Transport. The chief official is the Consulting Engineer for Roads.

It gives technical advice and arranges for the allocation of Central Road Fund reserves among the States.

DEVELOPMENT COMMITTEE

The Road Development Committee recommended the creation of a Road Development Account out of the proceeds of the Import and excise duties on motor spirit, whose unexpended balances should not lapse at the end of the financial year.

The resolution dealing with the disposal of the Road Development Account at present in force in India was passed by the Indian Parliament in 1950. Its main features may be described as follows. The special tax on petrol introduced in 1929 shall continue to be levied for road development, the proceeds of which, after retaining a reserve of 20 per cent for administration, research and special grants-in-aid, shall be allocated for expenditure in the different States in the ratio of the petrol consumption in the various areas. These sums may be spent on the construction, reconstruction or substantial improvement of roads and bridges including the cost of preparation of road schemes—but not for ordinary road upkeep or maintenance—on

interest and amortization charges on road loans sanctioned hitherto by the Government of India and also on administration of State Boards of Communications and establishment connected with the control of motor transport.

The Government of India, laid down that at least 25 per cent of the State shares in the Road Fund should be used on Feeder Roads and that not more than 25 per cent can be used on roads which compete with the Railways.

With the levy of a surcharge on petrol, the share of the petrol duty available for the Road Fund was increased from 2 annas to 2½ annas per gallon with effect from October 1, 1931. Up to the end of March 1951 total receipts in the Central Road Fund since its inception were about Rs. 30½ crores and those in the Central Road Fund Reserve since its inception were about Rs. 7 crores.

On the administrative side roads except for the small mileage of National Highways described later are a State subject and may be divided into two main classes, State Roads under the Public Works Department and Local Roads in charge of local bodies.

India's road system is grossly inadequate for the country's needs and a comparison with other advanced countries will show how great is the leeway that has to be made.

For example, the road mileages per 100 square miles of area are 202 in the United Kingdom, 184 in France, 103 in the U.S.A., 95 in Germany, 89 in Italy and 70 in Ceylon. India's road mileage for the same area is 22, representing less than one-ninth of the U.K. and one-third of Ceylon.

NAGPUR PLAN

The Central Road Fund could, at best, increase the annual road expenditure by roughly 15 per cent. Following persistent representations from the Indian Roads and Transport Development Association of Bombay, the need for an extensive programme of road development was accepted by the Government of India.

In December 1943 the Chief Engineers of the various States met in conference at Nagpur and evolved a road plan based on the minimum needs of the country. Adopting as their objective the very modest proposition that no village in a well-developed agricultural area should remain more than 5 miles from a metalled road, the Chief Engineers recommended the increase of Indian Union's road mileage to 385,000 of which 290,000 miles would be motorable.

The net increase in road mileage under this Plan, now known as the Nagpur Plan works out at 50 per cent.

While the Government of India as well as the State Governments endorsed these recommendations in general terms, there was no general acceptance of a time-limit for the implementation of the plan.

However, five-year programmes for commencement from April 1947 and representing varying proportions of the Nagpur scheme were prepared by the States for their respective areas in 1945-46.

These Programmes, exclusive of National Highways were estimated to cost nearly Rs. 120 crores over the five-year period, the following being the allotments (in crores of rupees) proposed for the individual States: U.P. 30.72; W. Bengal 12.00; Bombay 20.80; Madras 20.77; Bihar 13.60; East Punjab 4.00; Madhya Pradesh 7.00; Assam (before detachment of part of Sylhet) 5.32 and Orissa 4.00.

The Programmes embraced the construction or improvement of 80,000 miles of roads as under:

State & District Roads.

Mileage improvement	33,393
Mileage, new construction	17,509

Village Roads.

New construction & improvement ..	30,093
-----------------------------------	--------

Some of the States, particularly Bombay and Madras, have since revised and reduced their 5-year programmes to roughly Rs. 8 crores each.

Progress in the implementation of the Nagpur Plan is however most disappointing. Owing first to shortage of material and later of funds Uttar Pradesh, the Punjab, Orissa and many other States had to abandon large portions of their plans.

The 5-year period covered by these plans ended on 31st March 1952 and inclusive of Parts B and C States, the total expenditure is estimated at Rs. 50 crores representing less than half of what the States planned to accomplish.

The Central Government, as part of their contribution towards post-war development accepted liability for the construction and maintenance of the National Highways with effect from 1st April 1947.

10,000 miles of highways are now being maintained by the Central Government.

The five-year plan for the development of National Highways was originally estimated to cost Rs. 50 crores but was reduced to Rs. 23½ crores subsequently. Although financed by the Centre, the actual execution of the work is carried out through the State P.W.Ds. But the total expenditure is now expected not to exceed Rs. 9 crores.

Out of about 1,080 miles of missing links in the National Highway System about 130 miles have since been constructed at a cost of Rs. 1.42 crores and 245 miles are under construction.

Fifteen major bridges have been constructed at a cost of about Rs. 2 crores and 47 more bridges estimated to cost Rs. 3.4 crores are under construction.

In addition 1,200 miles of highways have been improved and upgraded while work on 580 miles is at present in progress.

Total expenditure during 1947-48 to 1951-52 was Rs. 21.66 crores.

The expenditure of Rs. 9 crores on National Highways and Rs. 50 crores on other roads during the past few years works out at an average annual expenditure of Rs. 12 crores on road development.

At present nearly Rs. 13 crores is being spent in addition on Road Maintenance, making a total road expenditure of Rs. 25 crores.

As against this, the Governments at the Centre and in the States are now realizing a revenue of Rs. 45 crores annually from motor transport, as under :—

		Revenue, approx. 1950-52 Rs. In Crores			(Rs. in crores)
Central Revenues.			THE NEW PLAN		
Motor Spirit Duties		21.36	The second Five-Year Plan of National Development which has now been adopted under the Planning Commission's recommendations makes the following provision :—		
Tyre Excise		4.01	Central Government	31.24	
Vehicle Import		9.44	'A' States	50.59	
			'B' States	15.83	
			Jammu & Kashmir	4.95	
State Revenue.*			'C' States	6.27	
Vehicle Taxes		6.13	Total	108.88	
Petrol Sales Taxes		4.00			
		44.94			

*1949-50 estimates.

STATEMENT SHOWING THE NUMBER OF DIFFERENT TYPES OF VEHICLES IN INDIA

Motor Vehicles 1950-51

Serial No.	Name of State	Motor Cycles	Private Cars	PUBLIC SERVICE VEHICLES				GOODS VEHICLES		MISCELLANEOUS		TOTAL VEHICLES		Total No. of Motor Vehicles	Bullock Carts (1950-51)	
				Motor Cabs		Other P. S. Vehicles		Diesel-Engined	Others	Diesel-Engined	Others	Diesel-Engined	Others			
				Diesel-Engined	Others	Diesel-Engined	Others									
PART 'A' STATES																
1	Assam	501	4,516	..	158	..	1,267	29	4,085	13	821	42	11,348	11,390	75,665	
2	Bihar	1,517	6,884	..	198	..	1,266	36	3,566	..	64	36	13,499	13,535	510,359**	
3	Bombay	5,962	33,703	..	2,432	480	4,060	456	14,546	..	..	936	69,703	61,639	1,077,372
4	Madhya Pradesh	1,302	4,519	..	158	83	1,307	12	3,521	..	81	95	10,888	10,983	1,456,680	
5	Madras	3,681	21,508	..	918	272	6,083	359	9,309	41	206	672	41,705	42,377	1,595,775	
6	Orissa	410	1,990	..	43	..	616	16	1,878	..	1	16	4,938	4,954	374,144**	
7	Punjab	1,039	2,969	..	405	..	1,158	1	2,778	..	49	1	8,398	8,399	299,273	
8	Uttar Pradesh	1,889	10,195	..	357	..	3,356	..	6,595	..	242	..	22,634	22,634	1,577,613	
9	West Bengal	2,090	25,150	..	4,459	7	5,091	3	19,112	12	168	22	56,073	56,073	537,768**	
PART 'B' STATES																
1	Hyderabad	2,247	6,976	..	533	576	505	350	2,879	..	87	926	13,227	14,153	625,194	
2	Jammu and Kashmir	52	602	..	118	..	1,025	..	..	..	338	..	2,735	2,735	999
3	Madhya Bharat	211	2,372	..	15	..	457	..	878	..	..	..	3,963	3,963	394,394
4	Mysore	1,420	4,428	..	170	50	1,199	20	1,891	..	..	70	9,018	9,098	302,768
5	PEPSU	318	1,315	..	24	..	687	1	529	..	932	1	3,835	3,836	89,426	
6	Rajasthan	803	5,501	..	..	..	1,281	..	3,326	..	158	..	11,069	11,069	890,959**
7	Saurashtra	467	2,825	..	500	5	500	26	1,749	..	410	31	6,451	6,482	36,612**	
8	Travancore-Cochin	251	2,989	..	298	4	1,306	21	1,770	..	1	25	6,615	6,640	21,676**	
PART 'C' STATES																
1	Ajmer	117	1,000	..	20	1	105	..	176	..	62	1	1,480	1,481	20,678	
2	Bhopal	45	425	..	..	..	68	..	287	..	44	..	869	869	67,278
3	Bilaspur .. .. .	..	3	..	..	..	5	..	5	..	3	..	16	16	18
4	Coorg	28	229	..	30	3	82	7	404	..	10	10	783	793	993	
5	Delhi	2,486	6,904	..	564	14	911	4	1,506	..	..	18	11,771	11,789	7,945
6	Himachal Pradesh*	13	131	..	16	..	20	..	146	..	4	..	330	330	1,134	
7	Kutch*	45	343	..	20	..	110	..	2,376	..	..	..	2,804	2,804	30,919
8	Manipur	66	148	..	..	..	9	..	450	..	42	..	715	715	13,782**
9	Tripura	2	26	..	36	..	64	..	86	..	23	..	237	237	515	
10	Vindhya Pradesh	76	290	..	..	1	215	3	398	..	4	4	983	987	121,066
PART 'D' STATES																
Andaman & Nicobar Islands		7	12	..	10	..	19	..	9	..	5	..	62	62	..	
Total		27,105	147,953	..	11,482	1,406	32,775	1,344	84,165	66	3,759	2,906	307,239	310,145	9,630,976	

* Including the vehicles exempted from tax.

** Figures relate to the year 1945.

INLAND WATER-WAYS

IN pre-railway days inland navigation played an important role in the transport system of the country. The decline began with the construction of railways in 1855. While the railways received every assistance from the Government to expand, the water transport which was then only in its initial stages of mechanisation, and was thus not in a position to provide the security, safety, and speed comparable with the railways, was allowed to languish.

Almost simultaneously, it received another blow when big irrigation schemes were taken up and consequently large scale withdrawals of water from the already meagre supplies of the rivers were effected.

To add to these adverse circumstances there was no central co-ordinating authority to improve and maintain the water-ways and provide the appropriate navigational facilities as inland navigation has always been a provincial subject.

It has come to be recognised that the most rational way to deal with a river is to treat it as a unit from the source to the mouth irrespective of administrative boundaries. Also the utilisation of the water resources of a river should, as far as possible, be on a multi-purpose basis including irrigation, generation of hydro-electric power and navigation, in order to secure the most economic exploitation.

The present constitution, therefore, provides for the control of the Central Government on navigation on inter-State rivers and national water-ways. Besides, a Central Water and Power Commission has been set up to assist in the co-ordinated multi-purpose development of the water resources of the country.

It is consequently expected that inland navigation in the country will before long play its due role in the transport system of the country. Further, Government has set up a Ganga Brahmaputra Water Transport Board, which will co-ordinate and stimulate the navigational activities of the States of U.P., Bihar, West Bengal and Assam situated on this river system.

Looking back on the state of navigation on the main rivers about a hundred years ago, it is noticed that large steamers plied on the Brahmaputra upto Dibrugarh; on the Ganga as far as Gurmukteswar, over 700 miles above Patna, and Kanpur, *en-route*, presented the appearance of a large port, on the Yamuna as far as Agra; and on the Ghagra, only 30 years ago, a regular service was maintained upto Ayodhya, 200 miles upstream of its confluence with the River Ganga.

A number of canals constructed for irrigation included provision for navigation.

PRESENT POSITION

At present steamers ply regularly on the Brahmaputra river upto Dibrugarh but on the Ganga as far as Patna only with feeder services upto Buxar on the Ganga and Barhaj on the Ghagra.

There are other parts of the country where canal navigation is still active. In Andhra and Madras States for instance, the Godavari Canals, including the Dummagudan Canal, the Kistna Canals, the Buckingham Canal, the Kurnool-Cuddappah Canal, the West-Coast Canals and the Vedaranyam Canals are important highways for water-borne traffic.

The Godavari and Kistna Delta canals in Andhra are indeed the chief means of transport in that region and afford a cheap and ready mode of access to all markets.

The Buckingham Canal in Madras has played an important part in the trade of the country traversed by it, and in particular during the last war when the traffic was heavy it afforded considerable relief to the railways.

On the west coast the backwaters form the chief means of communication and transport.

In Orissa, too, there are some 200 miles of navigable canals in constant use.

Then there are the important water-ways of West Bengal, comprising besides the delta river system, also the canals around Calcutta.

The records of imports and exports into and from Calcutta show the extent to which the largest seaport in India depends upon its water-way communications. Post-partition figures show that 12 per cent of the trade of the port arrives and leaves by water-ways.

As by far the greater proportion of the water-borne traffic of the country is carried by the unorganised country-boats, reliable figures are not available as to the total ton-miles of traffic thus moved.

It has been estimated, however, that this would amount to only about one per cent of the total railway traffic of the country.

The approximate length of navigable water-ways at present in India is as follows:—Uttar Pradesh, 745 miles; Bihar, 715 miles; West Bengal, 777 miles; Assam, 920 miles; Orissa, 287 miles; Madras and Andhra, 1,700 miles; Total, 5,144 miles.

The above mileages are approximate and take into account only the main water-ways navigable by steamers and large country-boats. They do not include the numerous tidal creeks on the coasts which are not connected to an inland water-ways system.

Out of 5,144 miles of navigable water-ways 1,762 miles are navigated by steamers, details of which are given below:—

	Miles
River Ganga—Patna to Lalghola (Border)	315
Patna to Buxar (Feeder service)	100
River Ghagra—Confluence Ganga/Ghagra to Barhaj	97
River Hooghly—Calcutta to Sundarban (Border)	150
River Brahmaputra—Dibrugarh to Dhubri (Border)	400
(Feeder services on tributaries)	375
(Feeder service on Surma Valley)	85
River Bhagirathi—Calcutta to Ganga River (during rains only)	180
River Brahmaputra—Dibrugarh to Sadiya (during rains only)	60
Total	1,762

Statistics of water-borne traffic are not maintained in this country. Detailed figures are available only for traffic carried on the navigation canals, which are maintained for the purpose of assessing tolls.

The tonnage of goods carried on the canals are given below as available:—

Uttar Pradesh, 24,441 tons (1915-46); Bihar, 69,795 tons (1939-40); West Bengal, 1,273,870 tons (1938-39); 547,637 tons (1948-49) (Circular and New Cut Canals in Tollys Nullah only); Orissa, 185,947 tons (1948-49); Madras*, 1,493,751 tons (1947-48).

It is interesting to note that the two of the largest Steamer Companies, The India General Navigation and Railway Co., Ltd., and the River Steam Navigation Co., Ltd., who operate over 5,000 miles of the Ganga and Brahmaputra system of rivers in India and East Pakistan, and who carry about 75 per cent. of the total goods handled by power craft, carry about 2 million tons of goods and 10 million passengers per annum. (Separate figures for India and Pakistan are not available.)

FUTURE

Allotment under the Five-Year Plan—Rs. 0.10 crores.

Conservation of water resources on a multi-purpose basis and/or river training works or resuscitation of old ones offer the following potential new navigable water-ways.

1. **Uttar Pradesh:** (a) Revival of navigation of the Ganga river Patna-Buxar-Allahabad. (b) Revival of navigation on the Ghagra river upto Bahram Ghat.

2. **Bihar:** (a) Navigation on the Kosi river is included in the programme of the Kosi Dam Project. (b) Development of navigation on the Ganduk river. (c) Development of navigation on the Son river, feasible with the construction of the Rihand Dam.

3. **West Bengal:** (a) The construction of a navigation canal from Durgapur to the Hooghly river to connect the coal fields in West Bengal and Bihar with the port of Calcutta, is included in the programme of the Damodar Valley Project. (b) Resuscitation of the Bhagirathi route affording a direct and much shorter navigation connection from the port of Calcutta to Bihar and U.P. by the construction of a barrage on the Ganga river. This is being investigated under the Ganga barrage project.

4. **Orissa:** (a) Resuscitation of the Orissa coast canal to restore the connection between the Hooghly and Dhamra rivers. (b) The Mahanadi Valley Project provides for the navigation on the Mahanadi river upto Hirakud dam, about 300 miles from the sea.

5. **Assam:** The various tributaries of the Brahmaputra offer great scope for development of navigation.

6. **Madhya Pradesh:** (a) Provision for navigation of the Narmada river is aimed at in the investigations in progress on the Narmada Valley projects. (b) Conditions are favourable to obtain a navigation link between the east and west coasts *via* the Narmada river and the Jhikha-Son rivers or Bearma-Yamuna rivers.

7. **Bombay:** The construction of dams on the Narmada and Tapi rivers will provide navigational facilities on these rivers.

8. **Andhra:** Development of the Kistna, and Godavari rivers could also provide navigational facilities.

A priority list has been drawn up in accordance with which it is proposed to develop navigation. In the first stage it is proposed to extend navigation on the Ganga river above Patna as far as Allahabad.

Mr. Otto Popper an Inland Navigation Expert and former Member of the International Danube Commission, visited India on behalf of the E.C.A.F.E. in February 1950. In his report he suggested a scheme for better organisation and running of country-boat services.

The scheme visualises the registration of all country-boats with a carrying capacity of 10 tons or more and the issue of certificates of river worthiness, the provision of shallow draught tugs for towing the boats, the issue of transport documents for goods carried, etc.

The E.C.A.F.E. have recommended that the improvements suggested by Mr. Popper should be given effect to, and have proposed that a pilot project of shallow draught tugs towing country-boats and barges, operated under the auspices of the U.N. Technical Assistance Programme be initiated. The Government of India has approved of the planned project.

During the year 1951, the U.N. Technical Assistance Administration and E.C.A.F.E. organised a tour for the study of technological advances in inland water transport methods abroad. Accordingly a group of twelve members were drawn from India, Pakistan and other countries of the E.C.A.F.E. region, which made a tour of their own region, and Europe and U.S.A.

On completion of the tour, the group submitted to the U.N. a comprehensive report on the observations made.

* Includes Andhra.

PORTS

Allotment under Five-Year Plan . . . Rs. 33.09 crores.

For port facilities for oil refineries . . . Rs. 8 crores

There are five major ports in India.

For the rest, the ports declared open under the Ports Act are as follows. The figures in brackets give the number of working ports

Orissa 9 (3); Madras* 54 (30); Travancore-Cochin 9 (6); Bombay 87 (approx. 80); Saurashtra 60 (29); Kutch 7 (7); Total 226 (approx. 150).

The following are classed as major ports—Bombay, Calcutta, Cochin, Madras, and Vishakapatnam. They are directly under the Central Government. The rest are classed as Minor Ports and are under the administrative control of State Governments

Technically a Major Port (as defined by the Ports Technical Committee) is one which is capable of taking in ocean-going steamers with a registered tonnage of 4,000 or more and berth them along wharves

Mr. S. Nanjundiah, officer in charge of Vishakapatnam Port, who made a special survey of minor ports for the Government of India suggested the following further classification of Minor Ports: Intermediate Ports, Minor Ports and Sub-Ports. Ports which have handled one lakh tons or more of cargo should be Intermediate Ports; ports which have handled cargo of less than one lakh but more than 1,500 tons should be Minor Ports; the remaining ports should be Sub-Ports or Petty Ports.

INTERMEDIATE PORTS

According to this classification the Intermediate Ports will be as follows

In Andhra: Kakinada, Masulipatam.

In Madras: Cuddalore, Nagapattinam, Kozhikode (Calicut), Mangalore, Tuticorin

In Travancore-Cochin: Alleppey.

In Saurashtra: Bhavnagar, Vetawal, Porbander, Bedi, Navalakhli

In Kutch: Mandvi.

In Bombay: Okha, Broach, Ratnagiri, Karwar

The Minor Ports will be as follows:—

In Orissa: Chandbali, Puri, Gopalpur

In Andhra: Bhimlipatam

In Madras: Cillingapatam, Porto Novo, Pamban, Dhanushkodi, Ponnani, Badagara, Tellicherry, Cannanore, Kasargod, Malpe, Hungarikatta, Coondapur.

In Travancore-Cochin: Quilon

In Saurashtra: Mahuwa, Talaja, Victor, Jaffarabad, Sikra, Salaya, Jodiya, Nawabundar, Mangrol.

In Kutch: Mundra.

In Bombay: Gogha, Dholera, Kavi, Surat, Bulsar, Billimora, Navsari, Dahamu, Umergaon, Bassein, Vessawa, Ravanda, Bankot, Dhalhol, Devghad, Jalghod, Mora, Achra, Vengurla, Tadri, Ankola, Honavar, Vijaydurg, Bhalkal, Jaitapur, Malvan, Dwarka, Kodinar, Cambay, Nangaon, Rajpuri, Harnai, Dehej, Kalyan, Panvel, Karanja, Murud, Sadashivghad, Kumta, Beikeri.

PORT DEVELOPMENT

Among the recommendations of the Nanjundiah report (May 1951), are the following: 1. The existing Minor Ports should be classified into Intermediate, Minor and Sub-ports. 2. An early decision should be taken about the construction and use of small size steam ships for the coastal trade. 3. Country craft industry must be fostered. Ports should provide facilities for their laying up, repairs, etc. 4. A certain measure of uniformity in Port dues may be brought about.

Among the recommendations of the West Coast Major Port Development Committee (April 1948) are the following: 1. There is an immediate need for a major port in the area covered by Saurashtra and Kutch. 2. This major port should be at Kandla. 3. The existing ports in Saurashtra should be placed under one Port Commission.

Among the recommendations of the same Committee (July 1949) about a major port between Marignagao and Cochin are the following: 1. A deep-sea port for ships of large size and tonnage at all seasons of the year is necessary. 2. The port should be at Malpe. 3. A rail link should be provided from Malpe to the industrialized region of Mysore centred on Bhadravati. 4. The broad-gauge railway linking Madras and Mangalore should be extended to Malpe.

The Ministry of Transport has worked out a programme of development of the five major ports at an estimated cost of Rs. 29.27 crores. This sum is exclusive of an expenditure of Rs. 12.05 crores on the Kandla port and of Rs. 8 crores on the creation of port facilities for the oil refineries and of alternative facilities for the existing establishment on the Butcher Island. These figures are in addition to Rs. 4.90 crores spent in 1951-52 by the port authorities.

The Kandla port is expected to be completed by the beginning of 1956.

Towards the end of 1950, a National Harbour Board was set up in order to advise Government on port development.

LIGHTHOUSES

Though partition brought about a shrinkage of the coast-line under the charge of the Central Lighthouse Department, the subsequent Federal Financial Integration has increased its responsibilities. There are 120 lighthouses along a coast of 4,160 miles including Andaman Islands under the direct charge of this department. In addition there are "local" lighthouses maintained by the port authorities or the State Governments. The total number of lighthouses exceeds 1,700.

Under the Constitution, this is a Central responsibility.

Over the next five to seven years, the Lighthouse Department visualises a development expenditure of about Rs. 2.5 to 3.0 crores exclusive of the needs of Andaman and Nicobar Islands where aids of navigation hardly exist and for which plans have yet to be drawn up. A sum of Rs. 2 crores will be required during the period of the Five-Year Plan for the projects included in the Department's plan as well as for the purchase of one out of two lighthouse tenders required for catering to the needs of the east and west coasts.

Three new lighthouses at Dolphin's Nose (Vishakapatnam), Kollithotham (Travancore) and Chanka Islands (Gulf of Kutch) were erected. The construction of a new lighthouse at Bhalkal is in progress.

To cope with the growing expenditure, the Indian Lighthouse Act was amended in 1953 for raising the ceiling on light dues from As. 2 per ton to As. 4. For the present the rate has, however, been doubled from As. 1½ to As. 3.

BOMBAY

The Port of Bombay is over 75 square miles in extent.

The Bombay Port Trust, which was constituted by Government in 1873, is administered by a Chairman appointed by Government and a Board of 24 Trustees, 10 of whom are nominated by Government, 2 elected by the Bombay Chamber of Commerce, 6 by the Indian Merchants' Chamber, 1 by the Maharashtra Chamber

of Commerce, 2 by the Municipal Corporation, 1 by the Millowners' Association, 1 by the Indian National Steamship Owners' Association, Bombay, and 1 by the East India Cotton Association Limited, Bombay.

The entire administration is subject to the provisions of the Bombay Port Trust Act, 1879.

The Harbour is about 12 miles long, 4 to 6 miles wide with a minimum of 32 feet at low water in the entrance fairway. Spring rise above datum is 14 feet 1 inch and the range between mean low and mean high water spring tides is 11 feet 6 inches so that the Port is well-endowed by Nature to accommodate deep-draught shipping.

Passenger Facilities.—Trans-oceanic passenger traffic is mostly dealt with at the Ballard Pier Station. Coastal and Harbour Passenger traffic is dealt with at the New Ferry Wharf.

The total number of overseas passengers embarking and disembarking at Bombay in 1950-51 exceeded 1,35,000 while the number of passengers carried by the coastal services was over 887,000.

Wet Docks.—There are three wet docks, the main features of which are as follows:—

	Number of Berths
Prince's Dock	9
Victoria Dock	11
Alexandra Dock	20 (plus 6 berths for ferry steamers)

The three Docks together have a water area of 10½ acres and about 6 miles of quays; extensive open storage and shed and warehouse accommodation for the reception and storage of goods, exists.

Dry Docks.—The main features of the two Dry Docks are as follows:—

Hughes Dry Dock	Divisible into two compartments so that 2 ships can be accommodated at a time.
Merewether Dry Dock	.....

Bundars and Timber Ponds.—Beyond the Docks are the "bundars" or open wharves and basins, where coasting and country craft traffic and overside cargo from the docks and stream are handled. These bundars have an aggregate quayside of nearly 5 miles.

The bundar traffic is an important item in the trade of the Port, over 13½ lakh tons or roughly one-fifth of the total tonnage of the Port being handled annually over the bundar wharves.

Adjoining the bundars are the Timber Ponds covering an area of over 60 acres, where every facility for storage and handling of timber is provided.

Ballard Pier.—Is a 1,500 ft. extension of the harbour wall on the west side of the Alexandra Dock entrance lock and is the arrival and departure berth for the foreign mail steamers and other large passenger liners. The station building comprises three platforms for tourist and other trains, a handsome concourse with waiting and refreshment rooms and a spacious baggage and customs hall.

Bulk Oil Depots.—There are three groups of bulk oil installations, one each for liquid fuel and lubricating oil, kerosene oil, and petrol, all on land, aggregating 83 acres in extent, leased by the Port Trust.

Ample storage space is available within the Port area for grain (80 acres), cotton (127 acres, 1,000,000 bales), and manganese ore (30 acres, 300,000 tons). Large areas have also been reserved for the landing and storage of other commodities such as coal, bricks and tiles, building stones and iron.

*Includes Andhra.

Port Trust Railway

The Port maintains its own railway system which handles nearly 50 per cent of the rail-borne goods traffic of Bombay. Its yearly traffic to and from the trunk railways amounts to over 2,000,000 tons, and its local station-to-station traffic is approximately the same in volume. The principal commodities carried are cotton, grain and seeds, oil-cake, manganese ore, sugar, kerosene and other bulk oils, coal, charcoal and china clay.

Though only 7½ miles in actual length, it comprises over 130 miles of main lines and sidings all directly linked with the inter-railway exchange yard at Wadala, the various storage depots and the docks and wharves.

REVENUE AND EXPENDITURE FOR THE YEAR 1951-52

Revenue	Rs 7,04,75,251
Expenditure	5,81,45,247

Statistics showing the volume of shipping handled during the period 1948-49 to 1951-52.

Year	No. of vessels entered docks and berthed at Harbour Walls	Net registered Tonnage
1948-49 ..	1,888	5,588,427
1949-50 ..	2,083	5,664,553
1950-51 ..	2,079	6,016,774
1951-52 ..	2,767	12,709,870 (gross tonnage)

Board of Trustees

Nominated by Government: Chairman, L. T. Gholap, I.C.S., H. P. Mra, K. P. Mshran, Commodore R. M. T. Taylor, R.N., M. M. Chudasama, I.P., A. N. Sattanathan, Brig. K. K. Varma, S. Jagannathan, I.C.S., Dinkar Desai, P. R. Nayak, I.C.S., H. N. Trivedi.

Elected by the Bombay Chamber of Commerce: A. Kirkwood Brown, M. Paspati.

STATISTICS SHOWING CARGO HANDLED BY BOMBAY DURING THE PERIOD 1948-49 to 1951-52

Year	Imports	Exports	Total
	Tons	Tons	Tons
1948-49	4,948,000	1,034,000	6,582,000
1949-50	4,927,000	1,358,000	6,285,000
1950-51	5,185,000	1,702,000	6,887,000
1951-52	5,806,439	1,673,152	7,479,591

CALCUTTA

The Port of Calcutta is situated on the left bank of the River Hooghly which is formed by the uniting of the three off-takes from the parent River Ganges. The port is about 80 miles from the mouth of the river and 126 miles from the Western Channel Light Vessel at Sandheads. The Port is administered by a Port Commission with jurisdiction under the Calcutta Port Act from Budge Budge to Konnagar.

The chief exports from Calcutta are coal, tea, jute, gunnies, bone and bone-meal, skins, hemp, iron and steel manufactures, lac, oil other than petroleum, scrap ores, pig iron, hides and mica. The principal imports are salt, food-grains, machinery, hardware petroleum, asphalt, bitumen, metals and other articles.

The total tonnage of sea-borne traffic passing through the port during the year 1951-52 was 7,582,982 tons as compared with 7,501,490 tons during 1950-51. The total tonnage of exports during 1951-52 was 54,89,914 tons and the total tonnage of imports during the same year was 40,98,068 tons. The income of the Port during the financial year 1951-52 was Rs. 7,86,82,751.

The weight of cargo in tons handled in 1952-53 was 9,673,076. The number of passengers embarked and disembarked during the period is 22,027.

The receipts and expenditure for the period 1952-53 are Rs. 8,68,29,843 and Rs. 8,31,40,004 respectively.

Elected by the Indian Merchants' Chamber: M. A. Master, Ramdas Klichand, Vallabhdas V. Mariwala, Tulskdas Mulji Vishram, P. M. Chinal, Murarji J. Vaidya.

Elected by the East India Cotton Association Ltd.: Madanmohan R. Rula.

Elected by the Indian National Steamship Owners' Association: Pratapsinh S. Vallabhdas.

Elected by the Maharashtra Chamber of Commerce: M. L. Dahanukar.

Elected by the Municipal Corporation: Dr. S. G. Patel, Dahyabhai V. Patel.

Elected by the Millowners' Association: Krishnaraj Madhavjee Damodar Thackersey.

ADMINISTRATION

Secretary, E. H. Simoes.

Deputy Secretary, S. D. Chittar.

Chief Accountant, G. B. Das Gupta.

Deputy Chief Accountants, J. V. Talcherkar, C. Madhava Rao.

Chief Engineer, P. E. Golvala.

Deputy Chief Engineer, S. B. Dalal.

Docks Manager, V. Vaz.

Deputy Docks Managers, J. B. D'Souza-Lawrence, A. M. Shaikh, V. A. Kashikar, M. H. Sayani.

Railway Manager, M. E. A. Kizilbash.

Deputy Conservator, R. C. Vint.

Harbour Master, H. W. L. T. Davies.

Manager, Land and Bunders Department, K. G. Sarma.

Controller of Stores, P. V. Thadani.

Deputy Controller of Stores, M. R. Nanjundiah.

Chief Medical Officer, Dr. N. V. Nene.

Health Officer, Dr. A. J. Mhatre.

Chief Labour Officer, Batuk H. Mehta.

Legal Adviser, S. D. Nariman.

Dry Docks.—Five dry docks, owned by the Port Commissioners, are available for the use of shipping, three in Kidderpore Docks and two in King George's Dock.

Jetties.—The Garden Reach Jetties consist of a coaling jetty for ships up to 460 feet in length and three jetties for ships up to 600 feet, the transit sheds are double storeyed. Calcutta jetties are situated on the riverside below Howrah Bridge. There are nine jetties with a total length of 4,735 feet, but only five of them are available for ocean-going steamers.

Wharves.—Petroleum Wharves at Budge are situated some 14 miles below the entrances to the docks.

Warehouses.—The Commissioners provide extensive warehouse accommodation consisting of two Tea Warehouses having a storage area of 304,000 sq. ft., a grain and seeds depot at Kantapukur comprising 37 sheds with a storage area of about 1,053,168 sq. ft., two sheds at Jhinerapuri with a storage area of 70,200 sq. ft., A and B Sheds at Kidderpore, and the Fairlie, Olive, Canning and Strand Warehouses situated close to the Calcutta Jetties with a total floor area of about 292,200 sq. ft. New extension to sale tea warehouse to provide additional space of 1,12,000 sq. ft. is under construction.

Coal.—There are at present six coaling berths at Kidderpore Dock No. 2 and one at Garden Reach Jetty.

Overall Capacity of Port.—Calcutta with the existing facilities has handled a sea-borne traffic of nearly 11 million tons a year without congestion or delay.

The total number of cargo boats licensed in the Port is 6,968, of which about 2,106 are steel lighters with a carrying capacity of about 130,825 tons.

The Port Trust Railway.—Communication between the various points in the Docks and Jetties including all the Commissioners' warehouses is maintained by the Commissioners' Railway which has 194.0.1 miles of permanent way and connects with the two main railway systems serving Calcutta. Goods can therefore be railed from any point on the Commissioners' premises to any part of India.

Commissioners

R. Gupta, I.C.S., Chairman. B. M. Banerji; K. B. Mathur; Capt. (E) T. B. Bose, I.N.; Brig. G. Singh; B. K. Sen; Dr. N. Das, I.C.S.; N. K. Jalan; K. M. Nalk; D. P. Goenka; D. C. Driver; P. Mukherjee; P. R. Sarkar; S. C. Gupta; N. Roy; Sir B. P. Singh Roy, K.C.S.E.; A. H. Ford; G. A. S. Sim; J. K. Mitter; Dr. S. K. Ghosh; B. C. Mallik; K. Mukherjee, M.L.A.; A. C. Banerjee.

ADMINISTRATIVE STAFF

Secretary.—P. C. Mitter; *Traffic Manager.*—K. Mitter; *Chief Accountant.*—T. Eastment; *Chief Engineer.*—T. M. Malkani, B.Sc. (Hons.) (Lond.), M.Inst.C.E., A.C.G.I., D.I.C.; *Controller of Stores.*—D. R. Mukherjee; *Chief Mechanical Engineer.*—P. C. Basu; *Deputy Conservator.*—Comdr. C. J. Mohan, I.N.; *Harbour Master.*—R. T. Ware; *Port Pilotage Officer.*—B. D. Rossetto; *Surveyor.*—L. P. Brann; *Medical Officer.*—Dr. G. J. Valsnavi, M.B.B.S., F.R.C.S. (Ed.), D.L.O. (Lond.), D.O.M.S. (Lond.), F.R.F.P. & S. (Glasgow); *River Consulting Engineers and London Agents.*—Messrs. Rendel Palmer & Tritton.

COCHIN

The Port of Cochin, one of the five major ports in India is a natural harbour lying on the direct route to Australia and the Far East from Europe. It is open for deep-water traffic in the worst monsoons and provides a splendid anchorage at all times of the year. Any ship passing through the Suez Canal can enter the port even in the roughest weather.

The Port consists of an extensive area of sheltered backwaters behind an opening, 440 yards wide.

The Cochin Harbour Railway is connected with the Broad Gauge system of the Southern Railway.

The entrance channel of the harbour is 450 ft. wide and about 4 miles long, buoyed on both sides according to regulations. The activities of the port are mainly centred in Willingdon Island which has been reclaimed from the backwaters by dredged soil from the inner channels.

Inside the harbour there are sixteen stream berths, one passenger berth, one coal berth and four wharf berths. Of the sixteen stream berths, one is a swinging berth capable of accommodating vessels upto 650 ft. overall in length and 28 ft. draft. There are three tanker berths in the Ernakulam channel, two of which can accommodate tankers of 575 ft. overall in length while the third one can take tankers of 600 ft. overall with a draft of 30 ft.

The deep water wharf which is 2,200 ft. long can accommodate at a time 4 vessels of 450 ft. in length.

The principal imports are foodgrains, mineral oils, coal, cashewnuts, hardware, metals, chemicals and provisions.

The principal exports are coir and coir products, tea, rubber, cashew kernels, ginger, pepper and spices.

Statistics showing the growth of the Port from 1948-49 to 1952-53.

Years	Imports	Exports	Total
	Tons	Tons	Tons
1948-49	991,353	250,032	1,242,285
1949-50	1,008,338	226,732	1,230,070
1950-51	1,098,214	248,064	1,347,178
1951-52	1,202,618	318,209	1,580,847
1952-53	1,224,851	320,413	1,551,204

The total number of passengers embarked and disembarked in 1952-53 was 1,649. Receipts and Expenditure in the same period were Rs 69.41 lakhs and 64.74 lakhs.

The administration of the Port is in the hands of an Administrative officer working directly under the Ministry of Transport of the Government of India. He is assisted by an Advisory Committee consisting of the representatives of the Government of India, the Government of the State of Travancore-Cochin, and the local Chambers of Commerce and Municipalities.

Administrative Officer.—M. S. Venkataranian, B.A., Chief Engineer.—C. V. Venkateswaran, B.E.; **Executive Engineer.**—S. Subba Rao, B.E.; **Mechanical Superintendent.**—B. D. Erani; **Deputy Conservator.**—H. G. Fletcher; **Harbour Master.**—S. C. T. Smith; **Traffic Manager.**—Topen Bhoose, B.A., Chief Accountant.—A. N. Aiyaswami, M.A.; **Secretary & Statistical Officer.**—J. Cyril Raj, M.A.; **Port Health Officer.**—Dr. N. S. Sankaranarayanan, M.B.B.S., D.P.H.

MADRAS

The Madras Harbour is an artificial one formed by two arms projecting from a low, sandy coast.

The affairs of the Port are administered by a Board of Trustees which function under the Madras Port Trust Act. The Chairman is the Chief Executive Officer of the Board.

The Port is about 3/5 mile square (excluding boat basin, etc.) with an area of approximately 200 acres.

There is accommodation for 18 vessels inside the harbour, 9 at Moorings and 9 at Quays. The depth at moorings ranges from 28 ft. to 31 ft. 6" and at quays from 26 ft. to 30 ft. Pilotage is compulsory. There are no navigational difficulties and the Port is approached direct from the open sea.

The Income and Expenditure for the year 1951-52 were Rs 1,36,02,765 and Rs. 87,13,820 respectively.

The chief imports are coal and coke, foodgrains, mineral oils, metals, timber, textiles, building materials, cement, etc., Government stores, machinery, hardware, hides and skins, paper and stationery, tanning substances including wattle bark and chemical manures. Seeds and nuts, hides and skins, vegetables and provisions, textiles, turmeric, ores and tobacco are the principal exports.

The export of groundnut oil is also an important item and three oil tanks have been erected.

Statistics showing the growth of the Port from 1948-49 to 1951-52

Years	Imports	Exports	Total
	Tons	Tons	Tons
1948-49	1,064,881	240,011	1,304,892
1949-50	1,592,249	191,321	1,783,570
1950-51	1,925,152	248,970	2,174,128
1951-52	1,854,682	300,138	2,154,820

Trustees of the Port: Appointed by Government.—G. Venkateswara Aiyar, I.C.S., Chairman.—R. K. Vishu, M.A., Collector of Customs, Director of Industries and Commerce; V. N. Subbarayan, Commissioner, Corporation of Madras; T. Berry, Principal Officer, Mercantile Marine Department, Madras; Maj-General J. C. Kotoch, Area Commander, Madras; S. Guruswami and S. C. C. Anthony Pillai, Representatives of Labour

Elected by Commercial Bodies, etc.—(Representing Corporation of Madras).—D. K. Kannappa Mudaliar; (Representing Madras Chamber of Commerce, Madras).—N. Barlow; (Representing Southern India Chamber of Commerce).—P. Maruthal, A. Nagappa Chettiar, K. S. G. Raja Shareef, C. Machado, K. R. Sundaram Aiyer; (Representing the Andhra Chamber of Commerce).—K. Gopalaswami, M. C. Cunnam, P. V. Rama Rao Gupta.

Administration

Principal Officers.—Chief Engineer.—K. N. Srinivasan, B.E., A.M.I.E.; Deputy Port Conservator.—W. K. Vangeyzel; Chief Accountant and Financial Adviser.—G. Venkataraya Pal, M.A., F.I.A.C., M.I.R.A.; Traffic Manager.—L. A. Abraham, B.A., F.C.I.; Executive Engineer.—V. S. Ananthanarayanan; Mechanical Engineer.—P. C. Martin; Electrical Engineer.—V. R. Srinivasan; Medical Officer.—Dr. T. S. Subramaniam, M.B., B.S., F.R.F.P.S., D.T.M., D.T.H.; Secretary.—T. K. Parameswaran Nambiar, B.A.

VISHAKAPATNAM

Vishakapatnam Harbour was created in order to supply an outlet for a large area of fertile country adjacent to the east coast of India, with considerable mineral resources and no alternative access to the outside world. In 1933, the harbour was first opened for sea-going vessels, and it now provides the following facilities:—

The harbour is provided with three quay berths, each 500 feet long, and equipped with portal electric cranes, transit sheds, and railway lines, both behind and on the quay-side of the transit sheds. In addition, two special coal bunkering berths, one R.C.C. jetty berth and one R.C.C. wharf, are provided. Four mooring berths are also provided, at which vessels are served by a fleet of lighters operated by the port. A timber jetty berth for bunkering fuel oil has been provided.

A graving dock with an entrance 60 feet 6 inches wide is provided. The port has a floating crane and can deal with lifts upto 50 ton capacity.

Income and Expenditure of the Port for the year 1951-52

	Receipts.	Expenditure.
	Rs.	Rs.
Port Fund	70,67,315-12-4	59,20,807-10-7
Pilotage Fund	1,92,000-7-4	1,01,641-7-3

Statistics showing the growth of the Port from 1948-49 to 1952-53.

Years	Imports	Exports	Total
	Tons	Tons	Tons
1948-49	140,463	546,859	687,322
1949-50	170,889	708,552	879,441
1950-51	67,334	878,469	945,803
1951-52	290,085	836,127	1,226,712
1952-53	152,554	1,047,741	1,200,295

The Port is administered by the Government of India, Ministry of Railways (Railway Board), through the Eastern Railway.

Principal Officers.—Port Conservator.—P. C. Mukherjee, General Manager, Eastern Railway, Calcutta; Port Administrative Officer & Port Engineer.—S. Nanjundiah, Deputy Port Conservator and Harbour Master.—E. H. Glassup; Superintendent, Traffic.—A. K. Sarkar; Superintendent, Mechanical.—A. W. De Lima; Chief Accountant.—P. T. Mathew.

EAST COAST PORTS*

Ports.	Receipts for 1952-53.	Expenditure for 1952-53.	No. of passengers embarked and disembarked 1952-53.	Imports in tons 1952-53.	Exports in tons 1952-53.	Weight of Cargo in tons handled in 1952-53.	Officer-in-Charge of Port.
	Rs. a. p.	Rs. a. p.					
Balasore†	..	..	Nil	1,88,944	25,858	2,14,802	L. G. Hardas
Bimilipatam†	..	..	Nil	..	..	Nil	B. V. Sarna
Chandbalit	..	..	Nil	..	..	..	A. D. Bhawanasi
Cuddalore	3,41,436 0 0	1,57,507 0 0	Nil	..	..	..	L. T. Yettie
Cuttack	..	..	Nil	..	..	..	N. Satyanarayana Rao
Dhanushkodi	..	..	Nil	..	..	..	W. A. Dow Sainier
Gopalpur	4,418 4 0	3,587 10 9	Nil	..	..	..	M. L. Advani
Kakinada	..	..	Nil	..	..	..	..
Malappatam	40,000 0 0	35,000 0 0	Nil	Nil	46,960	46,980	..
Nagapattinam	..	..	25,002	7,346	11,226	18,571	..
Tuticorin	..	..	8,175	..	..	5,17,386	..

* Where no information is available the columns have been left blank.

† The figures for the Orissa ports together are as follows: Weight of cargo handled in 1952-53, 12,859 tons; passengers embarked and disembarked, nil; revenue, Rs. 34,190; expenditure, Rs. 33,551; officer in charge, J. P. David.

SAURASHTRA PORTS*

Ports.	Receipts for 1952-53. Rs.	Expenditure for 1952-53. Rs.	No. of pas- sengers em- barked and disembarked 1952-53.	Imports in tons 1952-53.	Exports in tons 1952-53.	Weight of Cargo in tons handled in 1952-53.	Officer-in-Charge of Port.
Bhavnagar	9,27,126	20,27,415	Nil	..	..	3,47,805	J. J. Merchant
Bedi	13,12,356	10,05,769	1,520	64,010	1,70,966	2,43,985	C. P. Adalja
Navlakhi	8,13,041	6,76,403	1,55,708	80,087	1,10,803	1,00,890	D. V. Bara
Porbandar	5,17,097	3,26,207	4,217	34,792	1,20,977	1,55,769	T. N. Oza
Veraval	3,81,838	4,66,024	1,398	52,828	58,002	1,10,830	V. G. Mankad

WEST COAST PORTS*

Ports.	Receipts for 1952-53 Rs. a. p.	Expenditure for 1952-53 Rs. a. p.	No. of pas- sengers em- barked and disembarked 1952-53	Imports in tons 1952-53.	Exports in tons 1952-53.	Weight of Cargo in tons handled in 1952-53.	Officer-in-Charge of Port.
Alleppey	.	.	81	.	.	.	K. Padmanabhan
Brouch	.	.	.	.	.	.	R. L. Diwan
Dwarka	.	.	.	.	.	.	.
Kandla	4,57,232 7 0	5,26,515 10 0	1,57,002	.	.	1,67,226	Capt. C. Simpson
Kozhikode	1,62,872 0 0	1,10,087 0 0	235	58,084	1,70,608	2,28,692	G. M. Chikhalakar
Mandvi	.	.	36,492	36,187	1,980	38,167	R. K. Budhabhatti
Mangalore	2,11,162 0 0	.	18,259	76,646	1,94,862	2,71,518	L. H. Cornish
Porbandar	.	.	.	.	.	.	.
Port Okha	11,81,473 0 0	9,27,900 0 0	224	2,15,680	1,88,453	4,04,034	D. N. Chavan
Quilon	3,902 14 2	1,722 5 9	2	.	.	4,135	A. Ansary
Surat	.	.	Nil	17,588	6,198	23,786	J. K. Shah
Tellicherry	27,100 6 1	17,117 1 0	Nil	12,155	6,575	19,030	M. Bappukutty

*Where no information was available the column has been left blank

POSTS AND TELEGRAPHS

THE Indian Telegraph Department is the oldest Government-owned public utility in the world.

It is the second largest nationalized public utility in India, employing around 220,700 men and gazetted officers.

At the close of the year 1951-52,* there were 170,184 permanent and 49,526 temporary officials in the Department; 42,084 post offices and 180,731 miles of mail lines.

During the year 2,366 million articles including 85.6 million registered articles were posted, stamps worth Rs 21.7 crores (including service postage stamps worth Rs 1.8 crores) were sold; about 56 million of money orders of the total value of Rs 215 crores were issued, and about 2.9 million Indian Postal Orders to the value of Rs 103 lakhs were sold, a sum of Rs 37.8 crores was collected for tradesmen on V.P. articles, about 5.4 million insured articles valued at Rs 186 crores were handled.

Customs duty aggregating to about Rs 110 lakhs was realised on parcels and letters from abroad, pensions amounting to about Rs 2.5 crores was paid to Indian Military pensioners and about 2,100 pounds of quinine and substitutes of the total value of Rs 11 lakhs were sold to the public.

On 31st March, 1952, there were 4,445,926 Savings Bank accounts with a total balance of Rs 200 crores and 102,944 postal life insurance policies with an aggregate sum assured of Rs 23.2 crores.

There were about 113,949 miles of line including cable and 1,505,924 miles of wire including conductors on the 31st March 1952. The number of departmental telegraph offices were 78 while the number of combined Post and Telegraph offices rose from 1,634 to 3,653 in 1952.

The number of paid telegrams dealt with is shown by the following figures.—

		1951-52.
Inland	Private ..	21,578,264
	State ..	2,650,701
	Press ..	186,929
		1951-52.
Foreign	Private ..	4,616,918
	State ..	64,725
	Press ..	64,885
		29,162,422

The outturn of the workshops during 1951-52 represented a total value of Rs. 2,05,83,000.

The number of messages handled during the year 1951-52 by departmental wireless stations in India was nearly 575,000.

On 31st March 1952, there were 4,217 exchanges and 184,000 Telephones operated by the department and licensed systems. About 8.9 million trunk telephone calls were handled during the year 1951-52.

The total interest bearing capital outlay of the Indian Posts and Telegraphs Department upto the end of the year 1951-52 was over Rs. 56 crores. The receipts for the year ended 31st March 1952 amounted to Rs 38,80,76,566 and charge (including interest on capital outlay) to Rs 35,54,21,886, the result being a net gain of Rs 3,26,54,680.

For postal purposes, India is divided into ten circles, namely, West Bengal, Bihar, Bombay, Central, Madras, Punjab, Uttar Pradesh, Assam, Orissa and Delhi. Each of the first seven is in charge of a Postmaster-General and the Assam and Orissa Circles are controlled by a Director, Posts and Telegraphs. The Delhi circle is controlled by a Director of Postal Services. The Central Circle comprises roughly the Madhya Pradesh, Rajasthan, Madhya Bharat and Vindhya Pradesh talons.

LETTERS AND PARCELS (INLAND)

Inland Tariff is applicable to Aden, Pakistan, Nepal, Ceylon and Portuguese India except as indicated below and is as follows.—

		Letters			
		When the postage is prepaid	When the postage is wholly unpaid	When the postage is insufficiently prepaid	
Letters		Annas Pies			
Not exceeding one tola .. ..	..	2 0	Double the prepaid rate (chargeable on delivery)	Double the deficiency (chargeable on delivery)	
And every additional tola .. ..	..	1 0			
<i>Book and pattern packets</i>					
For the first five tolas or fraction thereof .. ..	..	1 0			
For every additional two and a half tolas, or fraction thereof, in excess of five tolas .. ..	..	0 6			
<i>Letter-cards</i>		Annas Pies			
Letter-card .. ..	..	1 6			
(Letter-cards are restricted to inland transmission only, and hence cannot be sent to Aden, Ceylon, Nepal, Pakistan or Portuguese India.)					
<i>Post-cards</i>					
Single .. ..	..	9 pies			
Reply .. ..	..	1½ annas			
(The postage on cards of private manufacture must be prepaid in full. Reply post-cards cannot be sent to Nepal.)					
Local post-cards .. ..	..	6 pies			
<i>Ordinary Money Order fees</i>					
Amount specified for remittance to sender:					
		Rs. a.			
Not exceeding Rs. 5 .. ..	..	0 2			
Exceeding Rs. 5 but not exceeding Rs 10 ..	..	0 3			

inland (the cost of the telegraphic advice to Aden and Ceylon in respect of those countries) telegrams for the actual number of words used in the telegram advising the remittance, according as the telegram is to be sent as an "Express" or as an "Ordinary" message. In addition to the above a supplementary fee of two annas is levied on each telegraphic money order.

There is no telegraphic money order service to Nepal or Portuguese India. In the case of Ceylon the telegraph charge is as follows: *Express*—Rs 2-8-0 for the first 12 words and 3 annas for each additional word. *Ordinary*—Rs 1-4-0 for the first 12 words and 2 annas for each additional word.

Parcels (prepayment compulsory)

Parcels not exceeding 12½ seers (1,000 tolas) in weight—

	Rs. a.
Not exceeding 40 tolas	0 8
For every additional 40 tolas or part of that weight	0 8

Registration is compulsory in the case of parcels weighing over 440 tolas.

All parcels to Aden and Pakistan should be registered. There is no parcel service to Nepal. These rates are not applicable to parcels for Aden, Ceylon and Portuguese India.

V. P. Articles

All inland V.P. articles excepting V.P. Packets and also V.P. letters containing articles of no intrinsic value such as Railway receipts, bills of lading, invoices, etc., on which the amount specified for recovery exceeds Rs. 25 are required to be compulsorily insured for at least the actual amount required to be recovered from the addressee. The sender of a V.P. article will also be required to pay a posting fee at the following scale in addition to the postage, registration fee and insurance fee where leviable. V.P. articles so insured should conform to all the rules governing inland insured articles.

(i) Posting fee of 1 anna when the amount required to be recovered from the addressee is Rs. 25 or less.

(ii) Posting fee of 2 annas when the amount required to be recovered from the addressee exceeds Rs. 25.

The total charges to be paid by the senders of V.P. articles will thus be:—

(a) For V.P. articles on which the amount specified for recovery does not exceed Rs. 25—

(i) Postage at the letter, packet or parcel rate as the case may be;

(ii) Registration fee of 6 annas;

(iii) Posting fee of 1 anna;

(iv) Insurance fee in case the article is insured.

(b) For V.P. articles on which the amount specified for recovery exceeds Rs. 25—

(i) Postage at letter, packet or parcel rate as the case may be;

(ii) Registration fee of 6 annas;

(iii) Posting fee of 2 annas;

(iv) Insurance fee according to value insured except for V.P. Packets and for V.P. letters containing articles of no intrinsic value (in the case of V.P. Parcels insurance is compulsory at least for the value specified for recovery).

Registration fee Rs. a.

For each letter, letter-card, post-card, book or pattern packet, or parcel to be registered 0 6

* See end of chapter for later particulars.

Insurance fees.

The scale of fees chargeable for the insurance of all inland postal articles, and for the insurance of letters and parcels to Aden or Ceylon and of letters to Portuguese India is as follows:—

	Rs. a.
Whether value insured does not exceed Rs. 100	0 6
For every additional Rs. 100 or fraction thereof over Rs. 100 upto Rs. 5,000 .. .	0 3
The maximum value for which an article can be insured is Rs. 5,000.	

As regards Aden, Ceylon and Portuguese India see Foreign Tariff.

Acknowledgment fee.

For each registered or insured article 1 anna.

LETTERS AND PARCELS (FOREIGN)

Foreign Tariff is not applicable to Aden, to Ceylon, to Nepal, to Pakistan or to Portuguese India except as indicated below and is as follows

Letters.

To Aden, Pakistan, Ceylon, Nepal and Portuguese India—Indian inland rates.

To all other countries	4 annas for the first ounce and 2½ annas for each additional ounce or part of that weight.
------------------------	--

Post-cards, Single	2½ annas
Reply	5 annas.

Printed Papers.—1 anna for every 2 ounces or part of that weight.

Registered Newspapers.—½ anna for every 2 ounces or part of that weight for a single copy.

Business Papers.—For a packet not exceeding 8 ounces in weight 4 annas.

For every additional 2 ounces or part of that weight 1 anna.

Samples—2 annas for first 4 ounces and 1 anna per 2 ounces thereafter.

Parcels

Parcel postage varies for different countries as shown in the Foreign Post Directory included in the Post and Telegraph Guide. Information relating to the rates of postage on parcels for Great Britain and Northern Ireland is given below:—

- (a) Parcels not exceeding 22 lb. in weight and addressed to Great Britain and Northern Ireland are forwarded as mails to the British Post Office, the rates of postage applicable to such parcels being as follows:—

For parcel	Rs. a. p.
Not over 3 lb	2 11 0
Over 3 lb but not over 7 lb .. .	4 8 0
" 7 " " " " 11 " .. .	6 15 0
" 11 " " " " 22 " .. .	10 11 0

These parcels are delivered by the post office and the postage paid carries them to destination.

Limits of weight

Letters.—4 lb. 6 oz.

Printed Papers and Business Papers.—To all countries served by foreign post 6½ lb. Single volume of books being accepted upto a maximum weight of 11 lb. To Aden, Ceylon and Pakistan—No limit.

To all other destinations—6½ lb.

Samples—To Great Britain and Northern Ireland, and Ireland, Togo (British), the Union of South Africa, Rhodesia, and Bechuanaland Protectorate—5 lb.

To Aden, Ceylon and Pakistan—200 tolas.

To all other destinations—1 lb. 2 oz.

Parcels.—22 lb. unless otherwise stated in Directory.

Limits of Size

Letters.—35 inches in length, breadth and thickness taken together and 23½ inches in any one direction. If in form of roll, 39 inches in length plus twice the diameter and 31 inches in any one direction.

Printed Papers and Business Papers.—To Aden and Ceylon—2 feet in length by 1 foot in width or depth. If in form of roll, dimensions are 30 inches in length and 4 inches in diameter.

To all other destinations—35 inches in length, breadth and thickness taken together and 23½ inches in any one direction. If in form of roll, 39 inches in length plus twice the diameter and 31 inches in any one direction.

Printed papers sent open, i.e., without a cover or wrapper in the form of cards, whether folded or not should not measure less than 4 inches in length and 2½ inches in width.

Samples.—To Great Britain and Northern Ireland, and Elre, Togo (British), the Union of South Africa, Rhodesia and the Bechuanaland Protectorate—2 feet in length by 1 foot in width or depth. If in form of roll, dimensions in all cases are 39 inches in length plus twice the diameter and 31 inches in any one direction.

To all other destinations—35 inches in length, breadth and thickness taken together and 23½ inches in any one direction. If in form of roll, dimensions in all cases are 39 inches in length plus twice the diameter and 31 inches in any one direction.

To Aden, Pakistan and Ceylon—2 ft. in length by one foot in width and depth.

Registration fee

For each letter, post-card and packet of printed or business papers and samples .. 6 annas.

Insurance fees (for registered letters and parcels only).

For insurance of letters and parcels to Aden and Ceylon and of letters to Portuguese India.—Insurance fees mentioned under "Inland Tariff."

For insurance of letters and parcels to Burma, British Somaliland, Mauritius, Seychelles, and parcels to Portuguese India.

Where the value insured does not exceed Rs. 400 12

For every additional Rs. 400 or fraction thereof 12

Insurance service to Burma and British Somaliland has been temporarily suspended.

For insurance of letters and parcels to Great Britain and Northern Ireland and to British Possessions and foreign countries (other than those mentioned above) to which insurance is available.

Where the value insured does not exceed £35 12

For every additional £35 or fraction thereof 12

Acknowledgment fee.

3 annas for each registered article 1 anna in the case of registered article addressed to Aden, Ceylon or Portuguese India.

Money Orders

To countries on which money orders have to be drawn in rupee currency, the rates of commission are as follows:—

	Rs. a.
On any sum not exceeding Rs. 10 .. .	0 3
On any sum exceeding Rs. 10 but not exceeding Rs. 25	0 6
On any sum exceeding Rs. 25	0 6
for each complete sum of Rs. 25 and 6 annas for the remainder, provided that, if the remainder does not exceed Rs. 10, the charge for it shall be only 3 annas.	

To countries on which money orders have to be drawn in sterling, the rates are as follows:—

	Rs. a.
On any sum not exceeding £1	0 4
" .. exceeding £1 but not exceeding £2	0 7
" " " £2 "	0 10
" " " £3 "	0 13
" " " £4 "	1 0
" " " £5	1 0

for each complete sum of £5 and 1 rupee for the remainder, provided that if the remainder does not exceed £1, the charge for it shall be 4 annas; if it does not exceed £2, the charge shall be 7 annas; if it does not exceed £3, the charge shall be 10 annas; and if it does not exceed £4, the charge shall be 13 annas.

AIR MAIL (INDIAN, FOREIGN)

Letters, Letter-cards, Post-cards and Money Orders are, as a general rule, sent by air wherever air transmission is available and is advantageous without payment of any special air surcharge. Packets and Parcels can be sent by air in the inland post and letters, post-cards and packets can be sent by air to all foreign countries for which an air mail service is available on payment of special air mail fee. Such articles can be registered. Insured letters are carried at present by air mail in the inland post only.

The inland air fee for packets is half anna for each tola or part thereof in addition to ordinary postage.

Registered and unregistered parcels can also be sent by air mail in the inland service.

The charges are 10 annas for every 20 tolas or fraction thereof inclusive of ordinary postage. A registration fee of 6 annas has to be paid in addition in the case of registered parcels.

Air Parcels may be sent to the following countries:—

Name of the country.	Postage, inclusive of air fee for the first pound.	Postage inclusive of air fee for each subsequent 4 oz. or part thereof.
	Rs. a. p.	Rs. a. p.
Afghanistan ..	5 8 0	0 11 0
Australia ..	10 8 0	2 5 0
Ceylon ..	2 0 0	
	(For every pound or part thereof)	
Egypt ..	7 12 0	1 2 0
France ..	11 0 0	1 14 0
Great Britain and Northern Ireland ..	9 12 0	1 14 0
Indonesia ..	7 0 0	1 0 0
Switzerland ..	9 8 0	1 12 0
U.S.A. ..	15 8 0	3 8 0

The general regulations applicable to ordinary surface parcels, as regards dimensions, customs declarations, despatch notes, compensation and so on, apply to air parcels except that air parcels cannot be accepted for insurance, the same supplemental services as for surface parcels are available.

For Air Fees to Foreign Countries see the Post and Telegraph Guide.

A direct air parcel service was introduced from December 15, 1953 to Italy, British East Africa and Malaya on the same terms and conditions as are applicable to parcels sent to these countries by the surface route.

These terms and conditions regarding size and packing and other restrictions are shown in the Foreign Directory of the P. & T. Guide, 1952, edition.

The following are the rates of postage cum air fee for these countries :

Country	Postage cum air fee for the first pound.	Postage cum air fee for the subsequent 4 oz. or part thereof
Italy	Rs. a. p. 9 0 0	Rs. a. p. 1 10 0
East Africa	7 4 0	1 6 0
Malaya	5 12 0	1 0 0

Air parcels will be accepted up to a maximum weight of 11 lb.

Insured air parcels, however, are not for the present accepted (1953, December). Within this country, these parcels will be sent by the surface route only.

Air parcels for Italy and East Africa will be concentrated at Bombay and those for Malaya at Calcutta.

Air parcels for East Africa, namely, the provinces of Kenya, Uganda and Tanganyika will be carried exclusively by Air India International Air Service operating from Bombay to Nairobi.

Assam and Kashmir

A cheap air mail service for parcels and registered newspapers providing for a limited air transmission between Calcutta and Gauhati or Silchar and *vice versa*, and surface transmission for the rest of the route is available. Such articles, in addition to the blue air mail label should bear a superscription in bold letters just below the air mail label.

"By air between— and — only."

The air fees which are payable in addition to ordinary postage are as follows :—

Registered Newspapers	3 pies for every 2½ tolas or fraction thereof in addition to ordinary postage.
Parcels	4½ annas for every 40 tolas or part thereof in addition to ordinary postage.

A similar service is available between Amritsar on the one hand and Srinagar or Jammu-Tawi on the other; the air surcharge being as follows :—

Registered Newspapers and Packets.	3 pies for every 2½ tolas or fraction thereof in addition to ordinary postage.
Parcels	3 annas for every 40 tolas or fraction thereof in addition to ordinary postage.

Air Letter Service

A light weight "Air Letter" service is available for writing to all countries served by the air mail. The postage rates are 3 annas to Ceylon, Pakistan and Portuguese India; 5 annas to Burma and to Afghanistan; 8 annas to the rest of Asia, to Europe, to Egypt and to East Africa; 10 annas to the rest of Africa and to Oceania (Australia, New Zealand, etc.) and 12 annas to North and South America. Special Air Letter forms in several denominations are available from Post Offices. Similar forms of private manufacture, bearing an indication that they have been approved by the Head of a Circle, can also be used, but they should be prepaid with the prescribed charge.

Air letters for Ceylon can be registered but cannot be insured, nor is any other facility such as express delivery available. Air letters for other countries cannot be registered or insured, nor is any other facility such as express delivery available.

Second-Class Mail

Printed papers, newspapers, business papers, sample packets, mixed packets and blind litera-

ture packets sent by air as second-class mail must conform to the general regulations for such packets set out in the Post & Telegraph Guide and should be clearly superscribed at the upper left hand corner of the cover or wrapper with the nature of the contents, e.g., *Printed Papers, Business Papers, Sample Packets*, etc., as the case may be. They must not contain anything in the nature of a current letter *nor be sealed against inspection*. The minimum charges of 4 annas applicable to Business Papers and to Mixed Packets containing Business Papers sent by surface route apply also to Business Papers, and Mixed Packets containing Business Papers sent by air mail. For second-class air mail to Ceylon, Pakistan and Portuguese India an air surcharge of 1½ annas per tola is chargeable in addition to the ordinary inland postage for Book, Pattern and Sample Packets.

The rate of postage including air fee per ½ oz. for second-class mail to the various destinations is 2½ annas (subject to a minimum charge of 4 annas for packets containing Business Papers) for Afghanistan and Burma, 4 annas for the rest of Asia and for Egypt, 5 annas for Europe and East Africa, 6 annas for the rest of Africa and for Oceania (Australia, New Zealand, etc.) and 8 annas for North and South America.

TELEGRAMS (INLAND)

Telegrams sent to or received from places in India, Burma, Ceylon or Pakistan are classed as Inland telegrams. The tariff for Inland telegrams is as follows :

Private and State

For delivery in India.

Express. Ordinary.

Rs. a. Rs. a.

Minimum charge	..	1 8	0 12
Each additional word over 8	..	0 2	0 1

For delivery in Burma & Pakistan.

Express. Ordinary.

Rs. a. Rs. a.

Minimum charge	..	2 12	1 6
Each additional word over 8	..	0 4	0 2

Note :—Ordinary telegrams for Burma are accepted *via* O.C.S. at foreign rates, *viz.* 12 annas per word.

For delivery in Tibet & Ceylon

Lhasa (Tibet). Ceylon.

Ex-press.	Ordinary.	Ex-press.	Ordinary.
Rs. a.	Rs. a.	Rs. a.	Rs. a.

Minimum charge.	2 0	1 0	2 8	1 4
-----------------	-----	-----	-----	-----

Each additional word over 12.. 0 2 0 1 0 3 0 2
The address is charged for.

Additional charges

Minimum for reply-paid telegram	..
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Minimum charge for an ordinary telegram except in the case of Burma, for which the minimum amount pre-payable is Rs. 2-12-0 for Express.

Notification of delivery..

Minimum charge for an ordinary telegram.

Multiple Address telegrams, copying fee for each 100 words or less in each copy beyond the first

4 annas.

Collation One half of the charge for an ordinary telegram of same length.

For acceptance of an Express telegram during the hours when an office is closed.

Boat hire

Rs.
If both the offices of origin and destination are closed .. 2
If only one of the offices is closed .. 1
If the telegram has to pass through a closed intermediate office, additional fee in respect of each such office.
Amount actually necessary

Press Telegrams

For delivery in India.	For delivery in Ceylon.
Ex-press.	Ex-press.
Rs. a.	Rs. a.
1 8	0 12
0 12	1 8

Minimum charge ..

Each additional 5 words over 50 in respect of India, 40 for Pakistan and Burma, and each additional four words over 32 in respect of Ceylon ..

0 2 0 1 0 2

The address is free.

For delivery in Pakistan and Burma

Express. Ordinary.

Rs. a. Rs. a.

2 8	1 4
0 4	0 2

Ordinary Press Telegrams for Ceylon and Burma are not accepted at present.

Note :—Ordinary telegrams may be written in plain or secret language

Multiple Address Telegrams

Multiple address telegrams with identical messages may be sent to two or more addresses in the same delivery area on payment of a supplementary fee of annas four for hundred words or less for every copy beyond the first.

Reply Paid Telegrams

A reply may be prepaid to any inland telegram but the amount so paid should not be less than the minimum charge for ordinary telegram. The sender should write the words "Reply Paid" when the minimum charge is prepaid or "Reply Paid" followed by the amount if more than the minimum charge is paid.

Express Telegrams

Arrangements are made for telegrams to receive priority in transmission and delivery on payment of double the charges for ordinary telegrams.

Priority Human Life Telegrams

With effect from 1st November 1950, a special class of priority telegrams relating to human life in road, railways, fire, floods, electrocution, building collapse, factory, etc., accidents and to serious illness or death of a person are accepted at inland express rates provided they bear the indication "PTY" written by the sender immediately before the address of the telegrams.

These telegrams obtain priority in transmission over all express and urgent telegrams.

Greetings Telegrams

Greeting telegrams may be sent on festive occasions from or to any Telegraph Office in India and Jammu & Kashmir State but not Licensed (Railway and Canal) and Portuguese Government Telegraph offices.

If tendered on Sundays and Telegraph holidays and during the period when the booking of ordinary telegrams is suspended, they are accepted at Express rates and on payment of late fees, when due.

The sender of a greeting telegram should write the words "Greetings telegram".

In some conspicuous place on the telegram form.

A multiple greeting telegram is accepted at the rate specified above plus a copying fee of 4 annas for each address after the first.

Greetings telegrams are accepted by telephone also.

Number of words		Rate	
		Express	Ordinary
(a)	Name of the addressee and address 4 words	Rs. a. p.	Rs. a. p.
(b)	Greetings indicated by a number .. . 1 word		
(c)	Name of sender .. . 1 word		
	Total .. . 6 words	1 2 0	0 8 0
EXTRA			
Each additional word over 4 words in item (a) or over one word in item (c)		0 2 0	0 1 0

A list of phrases which have been adopted with corresponding numbers for the use of the sender in the text of the telegram will be found below.

Number	Phrases
One	Heartiest Diwali greetings.
Two	Id Mubarak.
Three	Heartiest Bijoya greetings.
Four	A happy New Year to you.
Five	Many happy returns of the day.
Six	Best congratulations on new arrival.
Seven	Congratulations on the distinction conferred on you.
Eight	Best wishes for a long and happy married life.
Nine	A merry Christmas to you.
Ten	Heartiest congratulations on your success in the Examination.
Eleven	Best wishes for a safe and pleasant journey.
Twelve	Heartiest congratulations on success in Election.
Thirteen	Many thanks for your good wishes which I/we reciprocate most heartily.
Fourteen	Congratulations.
Fifteen	Loving Greetings.
Sixteen	May Heaven's choicest blessings be showered on the young couple.
Seventeen	Wish you both a happy and prosperous wedded life.
Eighteen	Kind remembrances and all good wishes for the Independence Day.
Nineteen	Sincere greetings for the Republic Day. Long live the Republic.
Twenty	My heartiest Holi greetings to you.
Twenty-one	Wishing the function every success.
Twenty-two	Many thanks for your kind message.

Greetings De Luxe Telegrams.

Senders of Greetings telegrams to or from offices in India may use their own phraseology in such telegrams on payment of 2 annas in addition to the charge appropriate to the class of message (Express or Ordinary).

These telegrams will be delivered in specially printed artistic forms and envelopes.

This DE LUXE service is not applicable to telegrams for Burma.

The sender of a DE LUXE telegram should write before the address the special instruction —LX— which will not be charged for.

Hindi and Indian Languages Telegrams

With the declaration of Hindi as the State language of India, transmission of telegrams in Hindi and other Indian languages in the Dev-

anagiri script (Press and Private) was introduced with effect from 1st June 1949.

In this service, telegrams in Hindi and other Indian languages written in the Devanagiri script are transmitted by means of a special Hindi Morse Code devised by the Indian P. & T. Department. Greetings telegrams in standard texts in Hindi are also admitted.

It was made available at first in 1949 between Agra, Allahabad, Banaras, Gaya, Jabalpur, Kanpur, Lucknow, Nagpur and Patna. In 1950 it was extended to Ajmer, Bareilly, Indore, Jaipur, Muzaffarpur, New Delhi and Ranchi and in 1951 it was further extended to Belgaum, Bhusawal, Bombay, Calcutta, Poona and Sholapur.

The service is now available between the following 100 stations, viz. —

Ahmadnagar, Akola, Aligarh, Alwar, Ambala, Amroli, Arrah, Asansol, Ayodhya, Baheri, Bakhtiyarpur, Ballia, Barabanki, Baroda, Beawar, Berhampur (Bengal), Bhagalpur, Bharatpur, Bhavnagar, Bhopal, Bijapur, Bijnor, Bikaner, Broach, Burlapur, Chandauli, Chapra, Dahmanagar, Darbhanga, Dehra Dun, Delhi (M), Dhanbad, Dholpur, Dhond, Dholma, Etawah, Faisalabad, Faridpur, Fatehpur, Ferozabad, Gadag, Ghazipur, Ghazipur, Gondal, Gorakhpur, Gwalior, Hapur, Hardwar, Hathras, Hazaribagh, Hubli, Jaisalmer, Jamnagar, Jamshedpur, Jaunpur, Jhansi, Jodhpur, Karad, Katni, Khurja, Kolhapur, Mammad, Mathura, Meerut, Midnapore, Mirzapur, Moghal Sarai, Moradabad, Motihari, Naini Tal, Nasik, Orail, Pachmarhi, Pauri (Garhwal), Pilani, Pilibhit, Pratapgarh, Purulia, Raipur, Rajkot, Ramgarh (Bihar), Ratlam, Rewa, Roorkie (M), Sambhar Lake, Sandila, Sangli, Satara, Secunderabad, Seoni, Shahjahanpur, Shimla, Sonapur, Sultanpur, Surat, Surendranagar, Tundla, Ujjain, Unao, Wardha.

With effect from the 1st July 1950, Greetings telegrams were admitted in Hindi telegraph service. For this purpose, a selection is to be made from a list of 21 stock phrases. From the same date, telegrams in any Indian language (for instance, Gujarati, Bengali, etc.) provided they are written in the Devanagiri script, are accepted at all stations where the Hindi telegraph service exists. Telegraphic Money Orders in Hindi are also admitted from and to a number of those places in Uttar Pradesh and Bihar where the Hindi telegraph service is available.

With effect from the 1st January, 1953, abbreviated telegraphic addresses have been allowed to be registered in the Devanagiri script at stations where Hindi Telegraph Service is available.

Phonocom Service

"Phonocom Service" means an inland telegram written in certain Indian language and accepted at certain specified telegraph offices for transmission to destination over new telephone system. These telegrams are charged at inland express rates. "Phonocom Service" is at

present available in the following Indian languages and between the telegraph offices specified against them:—

Language *Between Telegraph Offices.*
Gujarati Bombay and Ahmedabad.

Such telegrams are accepted at inland express rates.

TELEGRAMS (FOREIGN)

The charges for foreign telegrams vary with the countries to which they are addressed. The rates per word for telegrams to countries in Europe, America, etc., are as follows:—

	Ordry.		L.T.	
	Rs. a.	Rs. a.	Rs. a.	Rs. a.
Europe via I. R. C.—				
Great Britain and Northern Ireland ..	0 12	0 6		
Ireland ..	0 12	0 6		
Belgium ..	0 15	0 7½		
Holland ..	0 15	0 7½		
Germany ..	1 0	0 8		
Switzerland ..	1 0	0 8		
Spain ..	1 2	0 9		
France ..	0 15	0 7½		
Italy, City of the Vatican ..	1 1	0 8½		
Norway ..	1 0	0 8		
Bulgaria ..	1 2	0 9		
Russia ..	1 1	0 8½		
Turkey ..	1 1	0 8½		
Czechoslovakia ..	1 1	0 8½		
Union of South Africa and S. W. Africa ..	0 12	0 6		
Canada (all Zones) ..	0 12	0 6		
United States of America ..	1 3	0 9½		
South America ..				
Argentina ..	2 8	1 4		
Brazil ..	2 4	1 2		
Chile ..	2 8	1 4		
West Indies ..				
Jamaica ..	0 12	0 6		
Havana ..	1 13	0 14½		

Ordinary telegrams may be expressed in plain or secret language or any combination of them. There will be a minimum charge as for five words to any destination beyond India, Burma, Pakistan and Ceylon.

Urgent telegrams are accepted on similar conditions as above but are charged for at double the rate for ordinary telegrams.

Letter telegrams are accepted in plain language only and charged for at half the rate for ordinary telegram subject to the minimum charge as for 22 words. Both private individuals and Government Officials can send such telegrams. They are delivered on the morning of the day following the day of booking.

Commonwealth Social Telegrams

Commonwealth Social Telegrams (GLT) conveying solely greetings, family news or non-commercial personal affairs can be availed of throughout the year at special reduced rates, for all Commonwealth countries except Sudan.

Minimum charge for a Commonwealth Social Telegram is Rs 3-12 for the first 10 words (excluding the Special Instruction (GLT) which will not be charged) and 6 annas for every additional word.

The only Special Services admitted in Commonwealth Social Telegrams are "Reply Paid" and "De Luxe".

De Luxe Telegrams

Telegrams relating to happy events or greetings may be sent to certain foreign countries for delivery on an artistic form in an envelope of the same character. A supplementary charge of four annas per telegram in addition to the charge at the appropriate rate according to the class (i.e., Urgent, Ordinary, L.T., etc.), is charged for such telegrams.

Press Telegrams

Are accepted at reduced rates to registered newspaper, news agencies and so on. The minimum charge is made as for 10 words.

Urgent Press Telegrams

Are charged at same rates as for ordinary full rate telegrams except for Commonwealth countries for which the charges are equal to half the charges for ordinary telegrams. The minimum charge is made as for 10 words.

Radio Telegrams

For radio-telegrams addressed to ships at sea from offices in India and transmitted via the coast stations at Bombay, Calcutta or Madras the charge is thirteen annas per word (ordinary) in nearly all cases.

The following are the charges (excluding supplementary charges) for radio-telegrams from offices in India transmitted to ships at sea through the coast stations mentioned in the preceding paragraph. —

Total charge per word Ordinary.
Rs. a.

- (1) All Government or Private Radio-telegrams, excepting those mentioned in (2) and (3) below .. 0 13
- (2) Radio-telegrams to British Ships or War or Ships of the Indian Navy .. 0 8
- (3) Radio-telegrams to Spanish or Swedish ships .. 0 12

All radio-telegrams in secret language (code or cypher) are chargeable at the same rates as those in plain language.

The sender of a radio-telegram may prepay a reply. He must insert before the address, the instruction "R.P." followed by mention in Rupees and annas of the amount prepaid, e.g. R.P. 7-8. This expression counts as one word.

Phototelegrams

Phototelegrams are accepted at all large telegraph offices in India for Great Britain, U.S.A. (New York), San Francisco, Australia, Egypt, Montreal (Canada) and Union of South Africa in rectangular shape bearing an address written on ordinary foreign telegram form or on the phototelegram forming part of the phototelegram to be transmitted. Phototelegrams are charged according to chargeable number of square centimetres shown below: —

cording to chargeable number of square centimetres shown below: —

Area in sq. centimetre	From India to Great Britain		From India to U.S.A.	
	Press	Private	Government	All classes
0-150 ..	Rs. 40 8	Rs. 67 8	Rs. 33 12	Rs. 95 4
151-250 ..	54 0	87 12	43 14	142 14
251-350 ..	67 8	108 0	54 0	190 8
351-450 ..	81 0	128 4	64 2	238 2
451-575 ..	94 8	148 8	74 4	285 12

Phototelegrams for San Francisco are accepted with an additional charge of 9 annas per copy if sent by ordinary air mail and Rs. 4-12-0 per copy if sent by private express air mail beyond New York.

From India to Australia, Egypt, Montreal (Canada) and Union of South Africa.

Area in square centimetre	Press		Private		Government	
	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.
0-150 ..	Rs. 40 12	Rs. 67 12	Rs. 33 12	Rs. 95 10	Rs. 33 12	Rs. 95 10
151-250 ..	54 0	87 12	43 14	142 14	43 14	142 14
251-350 ..	67 8	108 0	54 0	190 8	54 0	190 8
351-450 ..	81 0	128 4	64 2	238 2	64 2	238 2
451-575 ..	94 8	148 8	74 4	285 12	74 4	285 12

From India to Finland upto 150 sq. cms — Rs. 163, for each additional 100 sq. cms — Rs. 47

From India to Sweden upto 150 sq. cms — Rs. 147, for each additional 100 sq. cms — Rs. 42.

From India to Norway upto 150 sq. cms — Rs. 149, for each additional 100 sq. cms — Rs. 42

From India to Belgium upto 150 sq. cms — Rs. 129, for each additional 100 sq. cms — Rs. 35

The following special services are admitted in phototelegrams: —

X address TMx
X copies in addition to the first to be delivered to the addressee Kx

Reply Paid Telegrams.

The service indication "RP...." (amount) is to be inserted by the sender before the address of destination. The charge paid for reply must not be less than the minimum charge for ordinary telegrams.

OUTLAY, REVENUE (1952-53)

	Telegraphs	Telephones	Radlos
Capital outlay	Rs. 30,00,28,906	Rs. 30,08,27,146	Rs. 53,30,739
Revenue (R. E.) .. .. .	.. 6,41,70,000	.. 10,34,28,000	.. 8,62,000
Expenditure (R. E.) .. .. .	.. 5,90,95,000	.. 7,05,95,000	.. 24,70,000
Profit (+), Loss (—) .. .. .	.. +50,75,000	.. +3,28,29,000	.. —16,08,000

BUDGET (1953-54)

Figures in thousand rupees

	Whole Department	Telegraphs
Income	44,12,00	6,25,44
Expenditure	41,81,51	6,11,63
Surplus	2,30,49	13,81

FACTS AND FIGURES (MARCH 1953)

Total staff of Department—220,701.

Gazetted officers—991.

Total output of workshops—Rs. 279 lakhs.

No. of telegraph offices—8,463.

.. .. inland telegrams—23,823,715.

.. .. foreign telegrams—4,577,476.

.. .. Press telegrams—251,814.

.. .. Ordinary telegrams—28,910,608.

Radio Telegrams—575,000.

Total revenue from telegrams—Rs. 5,43,68,610.

Post lines telegraph lines—80,304 miles

Wires of telegraph lines—627,189 miles

Cable conductors—20,493 miles.

Channels—261,363 miles.

Telegraph cables—731 miles.

No. of telephone exchanges (including PX's and PBX's)—4,594.

Mileage of telephone wire—150,377.

Mileage of cable conductors—769,377.

Mileage of channels—171,119.

Total no. of telephones—201,000.

Total no. of trunk calls—10.8 millions.

Total no. of wireless messages—574,000

The number of telephones in some of the larger cities is given below (March 31, 1952):

Bombay—46,181; Calcutta—35,794; Delhi—14,582; Madras—11,102; Ahmedabad—3,782; Hyderabad—2,376.

Besides the Indian Telephone Industries Factory in Bangalore and the Hindustan Cables Ltd. at Rupnarainpur in West Bengal there are factories in Alipur, Bombay and Jabalpur.

The training centre is at Jabalpur.

FIVE-YEAR PLAN

Total allotment for posts and telegraphs—Rs. 50 crores

The main object is to provide a post office for every village with a population of 2,000 or over and increased telephonic facilities in cities.

Thus, there will be automatization of the manual exchanges at Lucknow, Patna, Jaipur, Ajmer, Gwalior, Coimbatore and Calcutta.

The services in Bombay, Delhi, Madras, Kanpur, Ahmedabad, Poona, etc. will be expanded.

Delhi, Calcutta and intermediate stations will be linked by underground cable.

The expansion of the wireless network will cost Rs. 57 lakhs

New power wireless transmitters will be installed at Calcutta, Bombay, Madras and New Delhi to strengthen coastal wireless stations and re-open the Rangoon Telephone Circuit.

The factories will be reorganized at a cost of Rs. 83 lakhs, when the output is expected to increase by about 30 per cent

A telecommunications research centre will be set up at the National Physical Laboratory at Delhi for the present and smaller units at Posts and Telegraphs factories.

The building projects such as expansion of Bombay General Post Office will cost Rs. 204 lakhs.

The Jabalpur Training Centre will be expanded, and four large new training centres will be opened at Hazaribagh, Baroda, Hyderabad, Bangalore.

The plan provides for staff colonies at the following places. The number in brackets gives the number of quarters:

Ahmedabad (120); Bhubaneswar (140); Bombay (300); Chandigarh (100); Delhi (700); Gauhati (40); Kanpur (100); Nagpur (40); Patna (100); Siliguri (96)

Some of the projects under the Five-Year Plan and the total cost are given below. The figures are in rupees lakhs.

Calcutta automatization (9.73); Bombay auto expansion and replacement (3.71); Tis Hazari (Delhi) exchange (97); Ahmedabad exchange (40); Nagpur 1,500 lines expansion (5); Bangalore exchange expansion (28); Travancore exchange (2); Simla exchange (1); Hyderabad exchange (70); Delhi secretariat exchange (32); Kanpur exchange (44); Lucknow exchange (49); Expansion of other auto exchanges (1.81); Manual exchanges (5.00); Trunk exchanges (41); Carrier equipment (1.10); Bombay Thana cable (32); Telecom. circuits for Railways, canals and Civil Aviation Department (1.00); Trunk lines (1.00); Telegraph development (1.34); Long distance trunk cable (4.10); Wireless network (57); Mechanization of post offices (30); Special requirements (1.68); Jabalpur Training Centre and Development Circle (18); Minor works (6.13); Workshops (83); Madras Circle office building (13); Quarters for P. and T. staff (1.34); Bombay C.T.O. building (35); Bombay G.P.O. building (25); Post office buildings (2.04).

Total: Rs. 48.96 lakhs.

OVERSEAS COMMUNICATIONS SERVICE

Allotment under Five-Year Plan . . . Rs. one crore.

OVERSEAS Communications Service is a State activity working directly under the Ministry of Communications on commercial lines, with the Head Office at Bombay. Its functions are provision, operation and development of all facilities for communication between India and the outside world.

The chief administrative head of the Service is the Director General, Overseas Communications Service.

The Service has two main branches, viz. Traffic and Engineering. The Traffic branch is under the control of the Dy. Director General (Traffic) who has his headquarters at Bombay, while the engineering branch is under the control of the Chief Engineer with his headquarters at Kirkee near Poona.

The Overseas Communications Service has stations at Kirkee, Dhond, Bombay, Madras and Delhi. Kirkee is the principal transmitting station and Dhond the principal receiving station, while Bombay is the principal operating station of the Service. Kirkee and Dhond are connected to Bombay by way of wired wireless circuits.

Madras is a cable station, while the Delhi station works the direct radio-telegraph services—New Delhi-London and New Delhi-Moscow. It also handles the Multi-address Press Service for the External Affairs Ministry.

The following radio services are now operated by India :—

	Date of Inauguration
1. India-United Kingdom Wireless Telegraph Service	23-7-27
2. India-United Kingdom Radio-Telephone Service	1-5-33
3. India-Australia Wireless Telegraph Service	14-1-42
4. India-China Wireless Telegraph Service	25-2-42
5. India-United States of America Wireless Telegraph Service (via Mackay)	15-8-44
6. India-United Kingdom and United States Radio-photo Service	29-4-48
7. India-Afghanistan Wireless Telegraph Service	12-1-50
8. India-Japan Wireless Telegraph Service	17-8-50
9. India-Indonesia Radio-Telephone Service	2-10-50
10. India-Indonesia Wireless Telegraph Service	1-2-51
11. India-Thailand Wireless Telegraph Service	15-3-51
12. India-Russia Wireless Telegraph Service	18-6-51
13. India-Egypt Radio-Telephone Service	2-7-51
14. India-United States of America Wireless Telegraph Service (via RCA)	2-7-51
15. India-Iran Radio-Telephone Service	1-3-52
16. India-Japan Radio-Telephone Service	14-8-52

RADIO-TELEGRAPH SERVICE

The following lines are in operation :

(a) Bombay-London; (b) Delhi-London; (c) Bombay-Shanghai; (d) Bombay-New York; (e) Bombay-Melbourne; (f) Bombay-Tokyo; (g) Delhi-Moscow; (h) Bombay-Kabul; (i) Bombay-Bandoeng; (j) Bombay-Bangkok; (k) Calcutta-London.

OVERSEAS RADIO-TELEPHONE SERVICE

India today operates five direct services :

(a) Bombay-London; through London calls are extended to the following countries: Australia, Barbados, Bahrain, Belgium, Bermuda, Canada, Cuba, Czechoslovakia, Denmark, Finland, France, Gibraltar, Hungary, Iceland, Israel, Italy, Kenya, Luxembourg, Mexico, Netherlands, Northern Rhodesia, Norway, Saar, Spain, South Africa, South Ireland, South Rhodesia, South-West Africa, Sweden, Switzerland, Tanganyika, Uganda, U.S.A., Vatican City, West Germany.

This service is also available to the following British registered ships at sea *via* London: Queen Elizabeth, Queen Mary, Caronia, Queen of Bermuda, Mauretania. The following American registered ships: America, Constitution, United States, Independence, and the following Dutch registered ships: Nieuw Amsterdam, Rijndam.

(b) Bombay-Djakarta, (c) Bombay-Cairo, (d) Bombay-Teheran, (e) Bombay-Tokyo.

These Radiophone facilities are also used for inter-continental interviews, discussions and programme material for purposes of re-broadcast both in India and abroad.

OVERSEAS RADIO-PHOTO SERVICE

This service enables signalling by radio a manuscript, photograph, drawing—in fact anything that is in black and white on paper and reproduction as a photo replica of the original.

(a) Bombay-London, is also extended to: Australia, South Africa, Canada, Egypt, Finland, Norway, Sweden, Belgium, Switzerland, Portugal, Greece, Denmark, Germany, Italy.

(b) Bombay-New York, and *via* New York to San Francisco. The service is regularly used by the business interests for the exchange of balance sheets, specification and drawings of machinery etc.

OVERSEAS SUBMARINE CABLE SERVICE

The cable chains are :—

(a) Bombay—Aden—Alexandria—Malta—Gibraltar—London.
(b) Bombay—Aden—Mombassa—Zanzibar—Seychelles.
(c) Madras—Penang—Singapore—The Far East.

MULTI-ADDRESS BROADCASTS

Overseas Communications Service handles news transmissions on behalf of the Government of India to consular posts abroad. The transmissions from New Delhi are picked up by the following Consular posts in Asia, Europe, Australia and America: Khatmandu, Rangoon, Singapore, Djakarta, Kabul, Bagdad, Teheran, Ankara, Paris, Cairo, London, Brussels, Rome, Berne, Prague, Moscow, the Hague, Bonn, Tokyo, Canberra, Peking, and Nairobi.

The transmissions from Bombay are picked up by Buenos Aires and Rio De Janeiro.

BUDGET

The Five-Year Plan has allocated one crore of rupees for development

The plan covers modernising and expanding its existing Bombay and Delhi radio centres and opening similar centres at Calcutta and Madras.

At the end of the Plan there will be four independent foreign radio centres for India, namely Bombay, Delhi, Calcutta and Madras, which will normally work as complementary to one another.

A beginning has already been made by the establishment of a radio centre at Calcutta when a service was opened to London on March 12, 1953.

The revenue for the years 1952-53 and 1953-54 was estimated at 121 lakhs and 113 lakhs respectively.

The profit of the O.C.S. for the year 1952-53 was estimated at about 36 lakhs i.e. 36 per cent on the total Capital Outlay of Rs. one crore.

The table below shows the revised estimates for 1952-53 and the budget estimates for 1953-54 on the expense side.

	Revised Estimate 1952-53	Budget Estimate 1953-54
	Rs.	Rs.
Pay of officers	4,37,000	5,29,000
Pay of establishments	14,69,500	17,41,000
Allowances, honoraria, etc.	15,88,000	14,98,000
Other charges	9,81,000	11,00,000
Interests and depreciation		
Interest on capital outlay (Charged)	3,00,000	4,08,000
Depreciation (Voted)	6,00,000	7,50,000
Payments to other Government Departments, etc.	29,89,500	33,94,000
Charges in England	89,000	86,000
Loss or gain by exchange	—	—
Total	84,54,000	95,00,000
Capital Budget	20,00,000	38,50,000

BROADCASTING

FOR several years limited broadcasting services were maintained by radio clubs in Calcutta, Bombay and Madras.

Although the transmitting sets employed by them were of very low power, the broadcasts were popular.

The clubs were assisted financially by a government contribution based upon the revenue from licence fees, but this did not suffice to cover the cost of the transmissions, and great credit is due to the members of those clubs for the sporting manner in which they provided additional funds and undertook the entire responsibility for the programmes.

After negotiations extending over several years, an Indian Broadcasting Company was granted a licence to establish broadcasting services upon lines similar to those of the British Broadcasting Corporation, and transmitting stations were erected at Bombay and Calcutta, the service from the former being inaugurated by the Viceroy in July 1927 and the latter by the then Governor of Bengal a month later.

These stations had each an aerial input of one and a half kilowatts, the same as that of the 2LO station in London, of which they were practically duplicates.

The programmes were so arranged that both Indian and European music were broadcast daily and the news bulletins and market and weather reports were read in two languages.

Owing to financial difficulties the Indian Broadcasting Company went into liquidation with effect from March 1, 1930.

Since then the Government of India have been controlling broadcasting in this country.

Government for this purpose formed an Indian State Broadcasting Service, now called All-India Radio, and instituted a Central Broadcasting Advisory Committee.

In 1934, Government felt justified in embarking on a policy of development and, as a first step, a sum of Rs. 2,50,000 was granted for a 20-kW mediumwave station to be established at Delhi.

This station was actually opened on January 1, 1936.

In the year 1936 a special fund of Rs. 40,00,000 was created for the development of broadcasting in India.

Orders for extensive new equipment for implementing the scheme of expansion were placed in January 1937.

It included 8 transmitters which were put into operation as follows:

Delhi 10-kW shortwave: December 16, 1937;
Bombay 10-kW shortwave: February 4, 1938; Lucknow 5-kW mediumwave: April 2, 1938; Delhi 5-kW shortwave: June 1, 1938; Madras 10-kW shortwave: June 16, 1938; Madras 0.2-kW mediumwave: June 16, 1938; Calcutta 10-kW shortwave: August 16, 1938; Tiruchirappalli 5-kW mediumwave: May 16, 1939.

In the year 1942, the Government of India decided to install a high power shortwave transmitter which would be capable of providing broadcasting service to foreign countries.

A 100-kW transmitter was opened on May 1, 1944 forming an important landmark in A.I.R.'s development programme.

Later at the request of the Government of the U.K. five shortwave transmitters including one 100-kW shortwave transmitter were installed as an urgent war measure. These were subsequently taken over by A.I.R.

ALL-INDIA RADIO

All-India Radio is a department of the Ministry of Information and Broadcasting, of the Government of India.

Its head is the Director-General, All-India Radio, whose office is located in Broadcasting House, Parliament Street, New Delhi.

Other officers at headquarters are: Chief Engineer, Deputy Directors-General, Deputy Chief Engineer, Director of Programmes, Director of Programme Planning, Director of Public Relations, Assistant Director of Listener Research, Deputy Director of Administration and Assistant Directors of Administration.

The stations transmit for about five to ten hours a day.

This is generally split up into three transmissions, morning, afternoon and evening.

Programmes are planned by Station Directors with the assistance of the Programme Executives and Programme Assistants. Details are worked out well in advance of their schedule dates and are published in the journals of All-India Radio.

Programmes are broadcast in 15 major Indian languages and in English.

Broadcasting House.—Probably the largest centre of broadcasting activity in the East, Broadcasting House was completed in 1948. Architecturally, it is one of Delhi's newest and most striking sights. It represents from the point of view of equipment, the latest practice in radio engineering.

With its air-conditioned studios, each with an individual acoustic pattern to suit every variety of sound reproduction, its control room—a model of scientific efficiency—its dramatic control panels and effects and echo rooms it constitutes a landmark in every sense of the word in the history of Indian broadcasting.

Research and Maintenance Departments.—These two departments are located in New Delhi.

The Research Department deals with all technical problems, concerning reception and transmission. Special studies are undertaken on ionospheric data and forecasting transmission conditions, field strengths of short and medium wave stations, atmospheric noise levels prevalent in various parts of India, studio and recording characteristics and development of cheap receivers.

The Department also maintains a field station at Todapur near Delhi where the frequencies of All-India Radio Stations are constantly checked.

The Maintenance Department handles problems which arise in the upkeep and day-to-day operation of the engineering equipment used by All-India Radio in addition to maintaining Central Stores Depot.

Radio Journals.—A.I.R. publishes programme journals in English (Indian Listener), Urdu (Awaz), Hindi (Sarang), Bengali (Betar Jagat), Tamil (Vanoli), Gujarati (Nabhvani) and Telugu (Vani).

The 'Indian Listener' is a weekly, and the rest are fortnightly.

Monitoring Office.—The Monitoring Service (Simla) keeps a round-the-clock watch on transmissions from all the main broadcasting systems of the world, monitors news commentaries and selected talks transmitted from those stations in English, in Indian languages and in some foreign languages, from as many as 30 different countries.

Public Relations.—For establishing and maintaining contact between All-India Radio and its listeners there is a Director of Public Relations at Headquarters and a Public Relations Officer attached to some stations.

Listener Research.—The primary purpose of Listener Research is to determine the listening habits and programme preferences of radio listeners by ascertaining from time to time their reactions to programmes broadcast.

This information is necessary for planning programmes calculated to have the maximum listening appeal.

Collection of authentic information on this subject is the task which the Listener Research Department of AIR has to fulfil.

Although Listener Research in this country is still in its infancy, a good deal of information on the listening audience and on trends of listening has already been collected and more light is constantly being shed on this absorbing subject.

For this purpose, contact with listeners is maintained through listeners' letters, press reactions, field surveys and questionnaire studies of listeners' preferences and reactions to programme broadcast.

By utilising all recognised methods of assessing listener reactions, AIR is trying its best to provide programmes suited to the needs of its listening audience.

Advisory Committees, established at the broadcasting centres in consultation with the State Governments, keep the Director-General, All-India Radio, in touch with local public opinion in the matter of programme construction and advise him on such matters.

BROADCAST PROGRAMMES

The following table shows the number of hours broadcast and the fees paid to the artistes:

Year	Hours	Fees
		Rs
1947 ..	36,364	not available
1950 ..	64,529	35,48,000
1951 ..	73,072	33,91,000
1952 ..	74,640	33,16,000
1953 ..	not available	34,76,000

Women's Programmes.—These are in the regional language and are broadcast from almost all the stations. They consist of music, features and talks.

Children's Programmes.—Wherever possible the children are divided into two or three age groups. The programme is conducted or compered by an elderly character known to the children. Another elderly person usually a woman is used to assist the comper.

Fables, stories from classics and musical items, form the content of the programmes, and listeners are encouraged to participate.

The programmes are conducted from all the stations, the time varying from 30 minutes to an hour.

In the rural broadcasts there is a children's day once a week.

School Broadcasts.—The school broadcasts are meant to supplement the regular curriculum of the school.

The children are divided into two or three age groups, and the talks, dialogues, features or musical items are in the mother-tongue, English, Hindi or Sanskrit.

History, geography and general science are the subjects generally covered.

The hours vary from station to station.

There are Educational Committees to advise the Station Director in the composition of the programme for the academic term, and these are announced in pamphlets for each term.

Occasionally students from a particular class are taken to the radio station to give a performance.

The idea is that students should listen to the broadcasts while at school in the company of their teachers.

Industrial Broadcasts.—Stations in such industrial towns like Bombay, Calcutta, Lucknow, Madras, Ahmedabad put out suitable programmes in the language of the local working class.

The programme contains dialogues, features and news reviews, all relating to workers and their organisations.

For recreation devotional music and popular songs are used.

Rural Broadcasts.—While the provision of programmes is a central responsibility, the provision of listening sets to the rural population is the responsibility of State Governments.

The composition of such programmes is arranged in consultation with the local agricultural and allied departments.

Supplementary or spare time occupations are suggested, and information is given on items like improved seed, new implements, sowing, crop and cattle pests and their remedies, and market rates of current agricultural produce.

Weather bulletins during the monsoon are a regular feature of the composite programme.

National Programmes.—On Saturday nights a concert of classical music, vocal or instrumental, Hindustani or Carnatic, is arranged at the Delhi studios in the presence of a selected gathering, and is relayed by all stations.

This is a national programme as all stations are included in the "hook up". It lasts about 90 minutes.

The object is to make the audiences more classical-music minded, and to give patronage to deserving artists.

NEWS SERVICES

The following table shows the budget estimates of expenditure in Rs. lakhs.

	Actuals		Estimates	
	1950-51	1951-52	1952-53	1953-54
External Services ..	Rs. 12.44	12.76	15.00	15.25
News Services ..	.. 16.44	15.99	18.21	20.14

Particulars about the External Services are given below.

EASTERN SERVICE

General Service (East & S.E. Asia)

30 mt. news
75 mt. recorded music
45 mt. composite programme
150 mt. daily

Burmese Service ..
Chinese Service ..
Cantonese ..
Kuoyu ..
English ..

55 mt. daily
30 mt.
45 mt.
15 mt.

Indonesian Service ..

90 mt. daily
45 mt. daily

WESTERN SERVICE

General Service (East & S.E. Africa and Mauritius)

70 mt.
10 mt.
35 mt.
45 mt.
160 mt. daily

West Indies Service ..
Pushtu Service ..
Afghan-Persian Service ..
Persian Service ..
Arabic Service ..
European Service ..
French Service ..
Swahili Service ..

15 mt. daily
60 ..
120 ..
80 ..
115 ..
60 ..
45 ..
30 ..

TOTAL

16 hr. 45 ..

Language	Area covered
English ..	South-East Asia, East & South-East Africa, Mauritius, Europe, West Indies.
Hindi ..	South-East Asia, East and South-East Africa, Mauritius, West Indies.
Tamil ..	South-East Asia.
Gujarati ..	East & South Africa, Madagascar and Mauritius.
Pushtu ..	North-West Frontier.
Afghan-Persian ..	Afghanistan, North-West Frontier.
Persian ..	Iran and Iraq.
Arabic ..	Persian Gulf, Saudi Arabia, Iraq, Syria, Lebanon, Palestine, Transjordan, Egypt, East Africa, Southern Coast of Arabia.
Burmese ..	Burma.
Indonesian ..	Indonesia & Malaya.
Kuoyu ..	Central and East China.
Cantonese ..	South China.

The News Services Division occupies a wing of Broadcasting House in Delhi and puts out 72 news bulletins in 28 languages (15 Indian and 13 foreign) occupying about 14 hours daily.

All the news bulletins are prepared in the News Service Division and broadcast from the transmitters at Delhi set apart for news.

Each regional station relays the bulletins suitable for its listening areas.

A few minutes are set apart at each station for local announcements. This period accommodates news of purely local interest.

The Indian languages used in the Home Services are:

Assamese, Bengali, English, Gujarati, Hindi, Kanarese, Kashmiri, Malayalam, Marathi, Oriya, Punjabi, Sanskrit, Tamil, Telugu, Urdu and about 20 other dialects.

The broadcasts from the External Services Division consist of daily services to the Middle East, East & South Africa, West Indies, East Indies, South-East Asia and Europe.

The languages used are Hindi, Tamil, Gujarati, English, Burmese, Kuoyu, Cantonese, Indonesian, Pushtu, French, Swahili, Persian and Arabic.

All these are radiated from Delhi but they are distinct from the programmes of the Delhi (regional) station. Altogether 24 news bulletins a day in twelve languages—nine foreign and three Indian—are broadcast.

The total output of the External Services is 16 hr. and 45 mt. daily.

AIR STATIONS

At present there are 21 broadcasting stations. The following table gives the location, says when they were opened, and gives the medium wave-length which is permanent.

Location	When started	Medium wave-length
Ahmedabad	April 1949	312.5 m
Allahabad	February 1949	394.7 m
Amritsar	February 1948	230.8 m
Baroda*	December 1948	250 m
Bombay	February 1938	A 243.9 m (S.W. acc. to season) R 353 m
Calcutta	August 1938	A 370 m (S.W. acc. to season) B 300 m
Cuttack	January 1948	222.2 m
Delhi	December 1937	A 337.1 m (S.W. acc. to season) B 422.5 m
Dharwar	January 1950	405.4 m
Gauhati	July 1948	384.6 m
Hyderabad*	April 1950	411 m
Jullundur	November 1947	230.8 m
Kozhikode	April 1950	517.2 m
Madras	June 1938	A 211.3 m (S.W. acc. to season) B 280.3 m
Mysore*	April 1950	309.3 m
Nagpur	July 1947	62.50 m
Patna	January 1948	508.5 m
Poona	October 1953	265.5 m
Tiruchirappalli	May 1939	375 m
Trivandrum*	April 1950	389.6 m
Vijayawada	December 1948	454.6 m
		357.1 m

* These stations were taken over.

Below we give short notes on some of these stations :

Ahmedabad-Baroda.—These two stations serve the Gujarati-speaking area. There are broadcasts for villagers and for industrial workers from Ahmedabad. Occasionally items in Marathi are broadcast from Baroda.

Under the expansion scheme a 50 kW medium-wave transmitter will be installed in-between the two stations, and Baroda will be retained as a supplementary station.

Allahabad-Lucknow.—An experimental transmitter of the Allahabad University was the nucleus of the Allahabad station used as a supplementary to Lucknow.

The claims of Allahabad could not be ignored, particularly in the literary field.

Amritsar-Jullundur.—The necessity for these two stations was felt immediately after the Partition for the Punjabi-speaking population. As the capital is now located at Chandigarh Amritsar may be retained as a supplementary station.

A 50 kW transmitter (medium-wave) is earmarked for this area.

Bombay.—One of the earliest stations to start broadcasting (1927) Bombay has the highest number of licence holders, both in the State as a whole and in the area of the metropolises.

It is the most multi-lingual station in the AIR list, using 8 languages for broadcasting, including Konkani, Sanskrit and Urdu.

There are two sets of transmitters, A & B, with medium and short waves each.

There are plans for a 50 kW medium-wave transmitter to go into operation from Bombay.

Calcutta.—This is the first station to have a 50 kW medium-wave transmitter. As it is not burdened with the need for broadcasting in many languages, it has achieved good progress in technique, and can also train broadcasters to perform.

Cuttack.—As it is the capital of a State Cuttack has a pilot station.

The number of licence-holders in this State is the smallest in India.

Delhi.—As most of the present development of All India Radio took place during World War II, Delhi received a great deal of attention.

All the 100 kW and other short-wave transmitters and the centralised department of news, programme publicity, research and planning, external services, etc., came to be located in Delhi.

The weekly national programmes are arranged from Delhi for an all-India hook-up.

Talks of national importance are also broadcast from Delhi once a week (Wednesdays) for a similar nation-wide relay.

Dharwar.—This station was put up as part of the Eight Year Plan of radio expansion. It is a small pilot station with only a limited coverage; its running time also is short.

Gauhati.—The need to provide broadcast facilities for the N.E. Frontier districts was a factor in making Gauhati a station in the AIR link.

In the first instance it was a double station with Shillong, but now all transmitting is done by Gauhati. Its strategic position, proximity to Pakistan's Dacca station, and the necessity to provide entertainment to plantations, were the considerations that led to the early establishment of the station.

Hyderabad.—The central situation of this station holds immense possibilities for its development as a supplying station for the entire sub-continent. Nagpur is the only rival to Hyderabad in this respect.

Next to Bombay, Hyderabad is the one which is most multi-lingual in its coverage. English, Hindi, Urdu, Telugu, are languages commonly used, while Marathi and Kannada are not ignored.

Kozhikode-Trivandrum.—Callout (its former name) was chosen as the site when it was decided to have a station for the Malayalee speaking areas. With the taking over of the Trivandrum station where the University had a small pilot plant for broadcasting, it was found suitable to link the two stations for covering almost the same region.

Madras.—This is one of the earliest stations to have broadcasting services run by the Municipal Corporation.

It is multi-lingual. All the Dravidian languages, Tamil, Telugu, Kannada, Malayalam, are used by Madras besides English and occasionally Hindi.

Mysore.—The station has one short-wave and one medium-wave transmitter, and affords a good coverage.

It is likely that Bangalore, the other capital of Mysore, will have a 50 kW medium-wave transmitter and a supplementary studio.

The musical talent available in this region requires to be fully utilised and a powerful transmitter may be able to serve the entire peninsular audiences.

Nagpur.—Besides being the capital of M.P., it is centrally situated for all-India coverage. The transmitter originally erected was therefore replaced by a stronger one.

Patna.—This station was opened only because it was the capital of Bihar. The number of licence-holders in the area is small. There are not many large towns or cities in the State though the total population is large.

Delhi, Lucknow and Calcutta met the requirements of the population before Patna had a station. That is why Lucknow, Allahabad and Patna had for many months a common programme for the major part of their transmitting time.

Poona.—The claims of Poona for a station were ignored for a long time because of its proximity to Bombay.

It is proposed to replace the present transmitter with a more powerful one.

Tiruchirappalli.—In the heart of the Tamil speaking country Tiruchirappalli had an early start over all other similar cities. The quality of its musical programmes is very high, and many items are relayed by Madras and other stations in the State.

Vijayawada.—This station was established to meet the needs of the Telugu speaking population. It has obvious handicaps.

The University is at Waltair, and the capital of the Andhra State was for long a matter of speculation.

LICENCES

Broadcast receiver licences are issued at all head and sub-post offices at a fee of fifteen rupees per year, and cover the use of receiving sets throughout India.

Broadcast Receiver Licences are issued to Municipalities or other public bodies for the reproduction of broadcast programmes in public places by the Postmaster-General of the State.

A licence issued for this purpose covers the use of one wireless receiver and any number of loudspeakers at one place only but does not cover any external wiring erected outside the premises of the licensee.

A separate Broadcast Receiver Licence is, however, necessary in the case of clubs, institutions, messes, etc., for reproducing broadcast programmes at subscriptions, dances, concerts, bazaars, etc., to which the public are admitted.

This licence is also issued by the Postmaster-General at a fee of Rs. 50 and is valid for one year.

The receiver licence fees per year are as follows : Domestic, Rs. 15; Commercial, in shops, etc., Rs. 50; Community villages, Rs. 10; Dealers and salesmen, Rs. 15.

The growth of broadcast receiver licences at the end of each year (in January) beginning with 1937 is given below :

Year	Licences	Year	Licences	Year	Licences
1937	50,680	1943	176,061	1949	322,800
1938	64,480	1944	193,585	1950	396,400
1939	92,772	1945	202,829	1951	599,100
1940	119,417	1946	232,368	1952	473,759*
1941	147,121	1947	247,100	1953	587,169*
1942	165,675	1948	286,046		

* Figures on a new basis.

It may be explained that licences expire in December and delay on the part of licence holders shows a fall in January. But the figures thereafter steadily rise.

The following table shows the number and the value of radio sets imported into India over a number of years :—

Year	Number	Value in Rs. lakhs
1939-40	43,684	61.28
1940-41	38,855	35.82
1941-42	52,416	41.73
1942-43	18,939	32.10
1943-44	5,384	6.53
1944-45	895	1.51
1945-46	5,082	7.04
1946-47	107,114	169.58
1947-48	192,172	288.40
1948-49	42,202	78.59
1949-50	43,355	71.06
1950-51	16,012	25.44
1951-52	29,121	—
1952-53	19,286	—

Ahmedabad, Calcutta, Jullundur, Allahabad and Bangalore.

Nagpur, Gauhati, Madras, Indore and Hyderabad will each have a medium-wave transmitter of medium power, while in Poona, Jaipur, Jodhpur, Gwalior and Rajkot medium-wave transmitters of low power are proposed to be installed.

Construction of studio buildings at Calcutta and Madras and the extension of Broadcasting House in New Delhi are also important features of the Plan.

Other stations are also proposed to be modernised with a view to handling a greater volume of broadcasts and improving the quality of production.

Additional facilities will also be available in all stations in respect of accommodation and recording.

PRODUCTION OF SETS

The installed capacity of factories manufacturing broadcast sets in India is 200,000 sets a year.

The following table shows the trend of production :—

Year	Sets
1947	3,036
1948	24,996
1949	16,836
1950	44,340
1951	61,800
1952	71,496
1953	47,000†

FIVE-YEAR PLAN

Total allotment : Rs. 3.52 crores.

Seven new broadcasting stations are to be established at Poona*, Rajkot, Gwalior, Indore, Jaipur, Jodhpur and Bangalore under the Five-Year Plan for development of broadcasting.

The Broadcasting expansion project, which is estimated to cost Rs. 3.52 crores on the capital side, also provides for equipment of the Bombay, Calcutta and Madras stations with a high power short-wave transmitter each for ensuring satisfactory inter-regional, national and external transmission.

It is also proposed to install medium-wave transmitters of high power, one each at Bombay,

Construction of additional studios close to Broadcasting House in New Delhi is to be undertaken in order to eliminate overcrowding in the existing studios, which affect adversely the quality of programmes and frequency of rehearsals.

The Five-Year Plan also provides for increased facilities in the Research Department of All India Radio, where problems connected with efficient broadcasting of programmes from both the acoustic and propagation points of view are studied.

The proposed staff training school is intended to enable the engineering staff of AIR to keep pace with rapidly developing broadcasting engineering technique.

* Opened in October 1953.

† For ten months ending October.

THE PRESS

ACCORDING to a Government estimate there were 6,762 newspapers and periodicals in India on April 1, 1952.

Dailies, 596 (70 English); Weeklies, 2,226 (261 English); Other periodicals, 3,940 (784 English).

According to the same authority the total circulation of dailies is about 2,000,000.

The following table gives a language-wise distribution of the language papers and periodicals on March 31, 1952:

	Dailies.	Weeklies.	Other Periodicals.
Assamese ..	1	6	31
Bengali ..	24	198	423
Gujarati ..	42	141	117
Gurmukhi (Punjab) ..	18	43	43
Hindi ..	125	526	877
Kannada ..	30	87	48
Malayalam ..	11	46	102
Marathi ..	41	168	113
Oriya ..	4	19	44
Sanskrit ..	nil	3	7
Tamil ..	15	136	313
Telugu ..	7	99	217
Urdu ..	163	311	270
Bilingual or multilingual ..	33	133	505
Sindhi and other languages ..	12	40	46

The following is a list of some English dailies with the names of the editors:

Advance, Sailendranath Roy : Calcutta.
Amrita Bazar Patrika, Tushar Kanti Ghosh : Calcutta and Allahabad.
Assam Tribune, L. N. Phookan : Gauhati.
Bombay Chronicle, J. D. Ewing : Bombay.
Bombay Sentinel, J. D. Ewing : Bombay.
Deccan Chronicle, K. R. Pattabhiram : Hyderabad.
Deccan Herald, Pothan Joseph : Bangalore.
Evening News of India, Frank Moraes : Bombay.
Free Press Bulletin, M. V. Kamath : Bombay.
Free Press Journal, M. Sivaram (Ag.) : Bombay.
Hindu, Kasturi Srinivasan : Madras.
Hindustan Standard, Sudhansu Kumar Basu (Actg.) : Calcutta.
Hindustan Times, Devadas Gandhi (Mg. Ed.) : New Delhi.
Hindustan Times Evening News : New Delhi.
Hitavada, A. D. Mani (Mg. Ed.) : Nagpur.
Indian Express, Ramanath Goenka (Mg. Ed.) : Madras, Bombay, Delhi.
Indian Nation, Dr. Sachin Sen : Patna.
Jai Hind : Calcutta.
Leader, R. N. Zutshi : Allahabad.
Mail, A. A. Hayles : Madras.
Nagpur Times, K. P. Narayanan : Nagpur.
National Herald, M. Chalapathi Rau : Lucknow.
Pioneer, S. N. Ghosh : Lucknow.
Searchlight, M. S. M. Sharma : Patna.
Statesman, G. A. Johnson : Calcutta and New Delhi.
Telegraph, K. V. Venkatram : Kanpur.
Times of India, Frank Moraes : Bombay and New Delhi.
Tribune, J. Natarajan : Ambala.

PRESS LAWS

In general the laws which affect the Press in India today are Press and Registration of Books Act, 1867; the Indian Copyright Act No. III of 1914; the Indian Official Secrets Act No. XIX of 1923 Sections 124-A, 159-A,

171-G, 255, 292, 293, 294-A, 295-A, 489-A, 499-502 and 505 of the Indian Penal Code; Sections 99-A-99-G and 108 of the Criminal Procedure Code; Sections 81, 84 and 87 of the Indian Evidence Act No. I of 1872; Sections 19 and 181-A of the Sea Customs Act No. VIII of 1878; Sections 5 and 7 of the Land Customs Act No. XIX of 1924; Sections 26, 27-A-27-D of the Indian Post Office Act No. VI of 1898; Section 5 of the Indian Telegraph Act No. XIII of 1885; Sections 40, 52 and 53(1)(b) of the Patents and Designs Act No. II of 1911; Section 69 of the Trade Marks Act No. V of 1940; the Press (Special Powers) Act No. XXXIX of 1947; the Contempt of Courts Act, 1952 (Act XXXII of 1952); Article 19 (1) (a) and (g) and Clause (2) and (6) of the same Article of the Constitution of India. The amendment to Article 19 (1) (a) reads: "Nothing in Sub-clause (A) of Clause 1 (the Citizen's Right to Freedom of Speech and Expression) shall affect the operation of any existing law or prevent the State from making any law in so far as such law imposes reasonable restrictions on the exercise of the right conferred by the said sub-clause in the interest of the security of the State, friendly relations with foreign States, public order, decency, morality, or in relation to contempt of court, defamation or incitement to an offence (This amendment is retrospective in operation); the Tax on Newspapers (Sales and Advertisements) Repeal Act No. XXVIII of 1951; the Press (Objectionable Matter) Act No. LVI of 1951.

INDIAN NEWS AGENCIES

Press Trust of India (P.T.I.).
Director-in-charge, Dr. N. B. Parulekar, M.A., Ph.D.
 357, Hornby Road, Bombay.
 United Press of India.
Managing Director : B. Sen Gupta.
 34, Ganesh Chandra Avenue, Calcutta 13.
 Free Press of India News Agency.
 21, Dalal Street, Bombay 1.
 NAFEN—Near and Far East News (Asia) Ltd.
India House, Fort Street, Bombay 1.
 Dhimman Press of India.
Ludhiana (Punjab).
 Hindustan Samachar.
Director : S. S. Apte.
 29, Ghoga Street, Bombay 1.
 National Press,
 Lucknow.
 Independent News Service,
 Lucknow.
 Hind News Agency,
 Calcutta.
 Deccan News Agency,
 Hyderabad.
 Associated Press of Hyderabad,
 Hyderabad.
 Kerala Press Service,
 Trivandrum.

FOREIGN AGENCIES

Agence France Presse : 2-K, Sher Singh Building, New Delhi.
 Antara (Indonesia) : Delhi Gymkhana Club, New Delhi.
 Associated Press of America : 60-A, Cecil Hotel, New Delhi.
 British United Press : 26, Narendra Place, New Delhi.
 Exchange Telegraph News Agency : 21, Pandora Road Flats, New Delhi.
 Reuters : 47, Prithviraj Road, New Delhi.
 Tass News Agency : 25, Barakhamba Road, New Delhi.
 United Press of America : 26, Narendra Place, New Delhi.

INFORMATION SERVICES

Indian Information Service

Indian Government publicity work is carried out chiefly through the following agencies:

1. All-India Radio, 2. Press Information Bureau, 3. Publications Division, 4. Films Division.

Every Ministry has an information officer attached to it. The whole service is grouped together under a Ministry called the Ministry of Information and Broadcasting.

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('Eastern House', Man Singh Road).

Director : J. T. Hughes.

Deputy Director : R. Mc C. Samples, D.S.O.

Editor-in-Chief : vacant.

Films Officer : Group Captain L. W. C. Pearce-Gervais.

Administrative Officer : W. D. J. Morgan.

Librarian and Head of Research and Reference, H. A. Hollingberry.

Bombay Office : (Mercantile Bank Building, Mahatma Gandhi Road).

Regional Information Officer : R. P. Ross Williamson.

Calcutta Office : (1, Harrington Street).

Regional Information Officer : B. D. Brown.

Madras Office : (Armenian Street).

Information Officer : J. A. Borron.

Dominion of Canada

(New Delhi : 4, Aurangzeb Road).

Commercial Counsellor : Richard Grew.

Bombay : Gresham Assurance House, Mint Road.

Asstt. Commercial Secy. : W. P. Birmingham.

Commonwealth of Australia

(Austrian High Commission, Connaught Place, New Delhi).

Press Attache, Roy D. B. Mitchell.

U. S. Information Service

(54, Queensway, New Delhi).

Counsellor of Embassy and Chief Public Affairs Officer : Thomas E. Flanagan.

Chief Information Officer and Attache : Arthur C. Bartlett (Actg. Chief Public Affairs Officer).

Information Officer and Assistant Attache : Marguerite A. Brown.

Public Affairs Officer and Attache : William J. Handley.

Information Officer and Attache : Jean Joyce.

Motion Picture Officer and Attache : Joseph I. Krene.

Cultural Affairs Officer and Attache : Clifford Manshardt.

Information Officer (Exhibits) and Assistant Attache : Jack Masey.

Director of Library Services and Assistant Attache : Honor McCusker.

Dir. of Library Services for India and Attache : Anna Erichsen.

Cultural Affairs Officer and Attache : Helen Semmerling.

Radio Officer, Charles Ranlet Lincoln.

Operations Officer, Ben H. Hall.

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(Adelphi, 3, Queen's Road).

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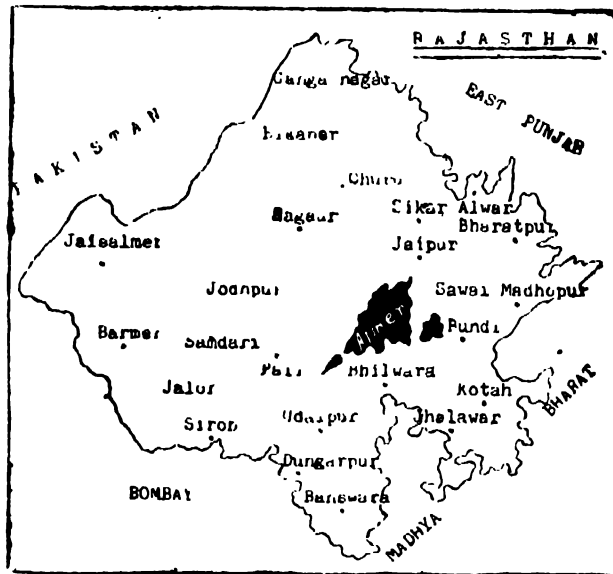
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N. Pastukhov ; F. Matveev.

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Director : James B. Orrick.*Dy. Director* : Kamal Kumar.**U.S.A. CORRESPONDENTS IN BOMBAY***United Press of America* : John Hlavacek (Mubarak Manzil, Apollo Street).*McGraw-Hill World News, The Christian Science Monitor* : W. Gordon Grahame (63, New Marine Lines).**PRESS ASSOCIATIONS, SOCIETIES***All-India Newspaper Editors' Conference* : *President*, A. D. Mauli (Hitavada, Nagpur).*Calcutta Printing Pressowners Association* (32, Upper Circular Road, Calcutta) : *President*, H. K. Dass ; *Hon. Secretary*, S. N. Guha Ray.*Commonwealth Press Union, Indian Section*, (c/o *The Hindustan Times*, New Delhi) : *Chairman*, Devadas Gandhi.*Indian and Eastern Newspaper Society* : *President*, C. R. Srinivasan (*Swadesamitran*) ; *Deputy President*, A. D. Mani (*Hitavada*) ; *Vice-President*, J. C. Jain (*Times of India*) ; *Hon. Treasurer*, A. E. Charlton (*Statesman*) ; *Secretary*, Asu De.*Indian Federation of Working Journalists Organization* : *President*, M. Chalapathi Rao (*National Herald*, Lucknow) ; *Secretary-General*, J. P. Chaturvedi.*Indian Languages Newspapers' Association* (Janmabhoomi Bhavan, Ghogha Street, Fort, Bombay) : *President*, A. R. Bhat (*Sampada*, Poona) ; *Gen. Secys.*, Ratilal M. Sheth (*Janmabhoomi-Pravasi*, Bombay), V. K. Satho (*Kewari*, Poona).*Indian Newspapers Co-operative Society Ltd.* (Janmabhoomi Bhavan, Ghogha Street, Fort, Bombay) : *Chairman, Board of Directors*, A. R. Bhat (*Sampada*, Poona).*London Committee of The Indian and Eastern Newspaper Society* : *President*, Sir Stanley Reed ; *Chairman*, Douglas Shaw ; *Hon. Secy.*, Jo Henry Buchl ; *Hon. Treasurer*, B. J. Kirchner.*Press Owners' Association*, Bombay (196-B, Gaiwadi, Girgaon, Bombay).*Southern India Journalists' Federation* (5-6, Sri Rama Buildings, Mount Road, Madras 2).

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KARACHI Forbes, Forbes, Campbell & Co., Ltd.
CALCUTTA Gladstone Lyall & Co., Ltd.
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*Agents:—Killick, Nixon & Co., Ltd., Home Street, Fort, Bombay.
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HARRISON LINE

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 Japan—India—U.S.A.
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Phone: 26561.

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The Bombay Co., Ltd., P.O. Box 109, Broadway, Madras-1.
Phones:—2900, 2909, 2056. **Telegrams:** 'CABRONADA'.

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Telegraphic Address:—"POLLINES", Bombay.

Telephone No.:—20040.

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CALCUTTA:—Volkart Brothers, Clive Building, 8, Netaji Subhas Road, P.O. Box No. 606, Calcutta-1. **Telegraphic Address:** "ENGADINE".

COCHIN:—Darragh Small & Co., Ltd. **Telegraphic Address:** "DARRAGH".

COCANADA (Kakinada):—Gordon Woodroffe & Co. (Madras) Ltd., Kakinada. **Telegraphic Address:** "WOODROFFE".

MADRAS:—Messageries Maritimes Co., 6/20, North Beach Road, Madras-1. **Telegraphic Address:** "MESSAGERIE".

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Mackinnon Mackenzie & Co. Ltd., Post Box 122, Bombay. Telegraphic Address : "MACKINNON'S". Phone : 25021.

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Hargovind & Co., Cutch Mandvi. Telegraphic Address : "HARGOVIND".

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Pakistan : Karachi, Chittagong, Chalna (Khulna).

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CLAN LINE STEAMERS LTD.

London.

Agents in Madras :—Gordon Woodroffe & Co. (Madras) Ltd., P.O. Box 42, Madras-1.

NORTH PACIFIC SHIPPING CO., LTD.

Vancouver.

Agents in Madras :—Gordon Woodroffe & Co. (Madras) Ltd., P.O. Box 42, Madras-1.

O.S.K. Line

**OSAKA SHOSEN KAISHA
OSAKA, JAPAN**

Operators of :

**CALCUTTA/JAPAN Via RANGOON
KARACHI, BOMBAY/JAPAN Via COLOMBO, MADRAS
MONTHLY FREIGHT SERVICES**

AGENTS :

CALCUTTA : F. W. Heilgers & Co. Ltd., Chartered Bank Building. Telephone : Bank 2351.

BOMBAY : Marine Transport Co. Ltd., Khatau Building, 43, Old Custom House Road. Telephone : 24931.

KARACHI : Muhammadi Steamship Co. Ltd., Karachi House. Telephones : 32306, 32923.

COLOMBO : James Finlay & Co., P. O. Box 59, Colombo. Telephone : 2268.

MADRAS : Best & Co., Ltd., P.O. Box 63, Madras. Tel : 2933.

AIRWAY COMPANIES

AIR-CEYLON

Agents: Forbes, Forbes Campbell & Co., Ltd., Home Street, Bombay 1.

The Company operates Services on the following route :—

COLOMBO—JAFFNA—MADRAS
JAFFNA—TRICHINOPOLY

Frequency : *Daily.*

AIR-FRANCE

41, Chowringhee Road, Calcutta-16.

PARIS—NICE—DAMASCUS—BAGHDAD—KARACHI—
CALCUTTA—SAIGON—HONGKONG.

PARIS—NICE—BEYROUTH—BAGHDAD—KARACHI—
CALCUTTA—SAIGON.

PARIS—MARSEILLES—DAMASCUS—BAGHDAD—KARACHI—
CALCUTTA—SAIGON.

PARIS—MARSEILLES—BEYROUTH—KARACHI—
CALCUTTA—SAIGON.

Frequency : *East Bound—Thursdays, Saturdays and Sundays.*

West Bound—Tuesdays, Fridays, Saturdays and Sundays.

AIR-INDIA INTERNATIONAL

Offices: New India Assurance Building, Mahatma Gandhi Road, Bombay; Great Eastern Hotel, Calcutta-1; Khaleeli Mansions, Mount Road, Madras.

The Company operates services on the following routes :—

1. CALCUTTA—DELHI—BOMBAY—CAIRO—ROME—
DUSSELDORF—GENEVA—PARIS—LONDON.

Frequency : *Sundays, Tuesdays and Saturdays.*

2. BOMBAY—KARACHI—ADEN—NAIROBI.

Frequency : *Fridays and Saturdays.*

BRAATHENS, SOUTH AMERICA & FAR EAST TRANSPORT

Wallem & Co., Warden House, Sir Pherozshah Mehta Road, Fort Bombay.

OSLO—HAMBURG—GENEVA—BOMBAY—BANGKOK—
HONGKONG.

There is a service from Bombay to Oslo on Saturdays, while in the opposite direction the plane from Oslo passes through Bombay on Tuesdays.

BRITISH OVERSEAS AIRWAYS CORPORATION

Offices: Air Booking Centre: Taj Mahal Hotel, Bombay; Speedbird House, Service Road, Connaught Place, New Delhi; 41, Chowringhee Road, Calcutta-16; 35/4, Mount Road, Madras.

COMET*

1. LONDON—ROME—CAIRO—BAHRAIN—KARACHI—
DELHI—CALCUTTA—RANGOON—BANGKOK—TOKYO.

Frequency : *Sundays and Wednesdays.*

2. LONDON—ROME—BAHRAIN—KARACHI—CALCUTTA—
RANGOON—BANGKOK—SINGAPORE.

Frequency : *Mondays and Tuesdays.*

3. LONDON—ROME—BEIRUT—BAHRAIN—KARACHI—
BOMBAY—COLOMBO.

Frequency : *Thursdays and Fridays.*

CONSTELLATION

4. LONDON—ZURICH—BEIRUT—KARACHI—CALCUTTA—
SINGAPORE—DJAKARTA—DARWIN—SYDNEY.

Frequency : *Three services through Calcutta on Mondays, Wednesdays and Fridays in the eastbound direction and Sundays, Wednesdays and Fridays in the westbound direction.*

ARGONAUT

5. LONDON—ZURICH—ROME—CAIRO—BASRA—
KARACHI—DELHI—CALCUTTA—RANGOON—BANGKOK—
HONGKONG—TOKYO.

Frequency : *One service through Delhi on Tuesdays in both directions and through Calcutta on Tuesdays and Mondays in the eastbound and westbound directions respectively.*

6. LONDON—FRANKFURT—ROME—NICOSIA—
DAMASCUS—BASRA—KARACHI—BOMBAY—COLOMBO—
SINGAPORE—HONGKONG.

Frequency : *Tourist service—Wednesdays.*

7. LONDON—DUSSELDORF—ROME—BEIRUT—BAGHDAD—
BAHRAIN—KARACHI—DELHI—CALCUTTA—DACCA.

Frequency : *One Tourist service—Saturdays in the westbound direction.*
YORK (FREIGHTER)

8. LONDON—TRIPOLI—CAIRO—BAHRAIN—KARACHI—
DELHI—CALCUTTA—BANGKOK—SINGAPORE.

Frequency : *One service on Saturdays in the eastbound direction and Thursdays and Wednesdays in the westbound direction respectively.*

INDIAN AIRLINES CORPORATION

New Delhi.

(Government of India).

Line 1

CALCUTTA—15, Ganesh Chandra Avenue.

BOMBAY—Airlines Hotel, Churchgate Reclamation.

MADRAS—Hotel Connemara Annexe, 163, Mount Road.

The following services are being operated :

1. CALCUTTA—BANGALORE—CALCUTTA.

Frequency : *Daily.*

2. CALCUTTA—DACCA—CALCUTTA.

Frequency : *Daily.*

3. CALCUTTA—GAUHATI—DIBRUGARH.

Frequency : *Daily.*

4. CALCUTTA—BAGDOGRA—CALCUTTA.

Frequency : *Daily.*

5. CALCUTTA—NAGPUR—BOMBAY.

Frequency : *Tuesdays, Wednesdays, Thursdays and Fridays.*

Line 2

CALCUTTA—4, Chittaranjan Avenue.

DELHI—Malhotra Buildings, Queensway.

The following Services are being operated :

1. CALCUTTA—BANGKOK—SINGAPORE—DJAKARTA.

Frequency : *Ex. Calcutta—Thursdays.*

Ex. Djakarta—Saturdays.

2. CALCUTTA—CHITTAGONG—CALCUTTA.

Frequency : *Daily.*

Line 3

CALCUTTA—9-A, Esplanade East.

CALCUTTA—AGARTALA—CALCUTTA.

(Freighter Service only).

Line 4

CALCUTTA—4 D, Dalhousie Square.

NEW DELHI—Malhotra Building, Queensway.

SRINAGAR—Residency Road.

PATNA—Sir Ali Road.

AMRITSAR—Brij Bhawan, Gandhi Gate.

The following Services are being operated :

1. DELHI—CALCUTTA—DELHI.

Frequency : *Daily twice.*

2. DELHI—KARACHI—DELHI.

Frequency : *Daily.*

3. CALCUTTA—RANGOON—CALCUTTA.

Frequency : *Viking—Every day except Saturdays.*

Dakota—Saturdays.

4. DELHI—LAHORE—DELHI.

Frequency : *Tuesdays, Thursdays, Saturdays and Sundays.*

5. DELHI—SRINAGAR—DELHI.

Frequency : *Dakota—Daily.*

6. SRINAGAR—PATHANKOT—SRINAGAR.

Frequency : *Daily.*

7. CALCUTTA—PATNA—KATHMANDU.

Frequency : *Dakota—Sundays, Mondays, Wednesdays, Thursdays and Fridays.*

8. KATHMANDU—PATNA—KATHMANDU.

Frequency : *Dakota—Sundays, Mondays, Wednesdays, Thursdays and Fridays.*

9. DELHI—AMRITSAR—LAHORE—KABUL—KANDHAR.

Frequency : *Dakota—Wednesdays.*

* At the time of writing (February 1954) Comets were undergoing modification.

Line 5

BOMBAY :—Air Lines Hotel, Churchgate Reclamation.
CALCUTTA :—15, Ganesha Chandra Avenue.
MADRAS :—Connemara Hotel, Mount Road.
NEW DELHI :—Malhotra Building, Queensway.
POONA :—10, Sassoon Road.
HYDERABAD :—Bashir Bagh Road.
BANGALORE :—20, South Parade.

The following Services are being operated

1. **MADRAS—DELHI—MADRAS.**
Frequency : *Dakota—Daily.*
2. **HYDERABAD—POONA—BOMBAY.**
Frequency : *Dakota—Daily.*
3. **BANGALORE—HYDERABAD—BANGALORE.**
Frequency : *Dakota—Daily.*

Line 6

BOMBAY :—New India Assurance Building, Mahatma Gandhi Road, Fort.
CALCUTTA :—Great Eastern Hotel.
MADRAS :—Khaleel Mansions, Mount Road.
NEW DELHI :—Malhotra Building, Queensway.
TRIVANDRUM :—Main Road.

The following Services are being operated :

1. **BOMBAY—KARACHI—BOMBAY.**
Frequency : *Viking (Non-stop)—Sundays, Wednesdays, Thursdays, Fridays and Saturdays.*
Dakota—Daily.
2. **BOMBAY—DELHI—BOMBAY.**
Frequency : *Viking (Non-stop)—Daily twice.*
3. **BOMBAY—CALCUTTA—BOMBAY.**
Frequency : *Viking (Non-stop)—Daily.*
4. **BOMBAY—COLOMBO—BOMBAY.**
Frequency : *Dakota—Daily.*
5. **MADRAS—TRIVANDRUM—MADRAS.**
Frequency : *Dakota—Daily.*

Line 7

BOMBAY :—Scindia House, Ballard Estate.
BHAVNAGAR :—Diwanpura.
RAJKOT :—Tribhan Villa, Race Course Road.
JAMNAGAR :—Indra Mahal, Bhid-Bhanjan Road.
PORBANDAR :—Bunder Road.
BELGAUM :—Toa Ltd., Green's Hotel.
MANGALORE :—Sri Rang Bhavan, K. S. Rao Road.
COCHIN :—Ernakulam.

The following Services are being operated :

1. **BOMBAY—BHAVNAGAR—RAJKOT.**
Frequency : *Mondays, Tuesdays, Thursdays, Fridays, Saturdays and Sundays.*
2. **BOMBAY—KESHOD—PORBANDAR—JAMNAGAR—BHUJ.**
Frequency : *Mondays, Wednesdays, Thursdays, Fridays and Saturdays.*
3. **BOMBAY—BELGAUM—MANGALORE—COCHIN.**
Frequency : *Tuesdays, Wednesdays, Fridays, Saturdays and Sundays.*

IRANIAN AIRWAYS

Offices : 15, Peermohamad Manzil, 58, Colaba, Bombay.

BOMBAY TO TEHERAN

Frequency : *Fridays.*

ORIENT AIRWAYS LTD.

Offices : Orient House, Karachi Air Port.

NEW DELHI—Metro Hotel.

KARACHI—DELHI—DACCA—CALCUTTA—DELHI—KARACHI.
KARACHI—DELHI—DACCA and return. **DACCA—DELHI—LAHORE** and return. **DACCA—CALCUTTA** and return.
CALCUTTA—CHITTAGONG and return.

1. KARACHI—DELHI—CALCUTTA—DACCA—DELHI—KARACHI—(CONVAIR).

Frequency : *East Bound : Mondays, Tuesdays, Thursdays and Fridays.*
West Bound : Tuesdays, Wednesdays, Fridays and Saturdays.

2. KARACHI—LAHORE—DELHI—DACCA—DELHI—KARACHI—LAHORE (CONVAIR).

Frequency : *East Bound : Sundays.*
West Bound : Mondays.

3. DACCA—CALCUTTA—DACCA—(DC-3).

Frequency : *Daily.*

4. CALCUTTA—CHITTAGONG—CALCUTTA (DC-3).

Frequency : *Daily.*

QUANTAS EMPIRE AIRWAYS

B.O.A.C. Air Booking Centre, Taj Mahal Hotel, Apollo Bunder, Bombay.

Quantas operates services from Christchurch in New Zealand to London via Bombay. The services are operated in conjunction with B.O.A.C. and T.E.A.L.

PAN AMERICAN WORLD AIRWAYS SYSTEM

42, Chowringhee Road, Calcutta-16.

Imperial Hotel, New Delhi.

Taj Mahal Hotel, Bombay.

Connemara Hotel, Madras.

NEW YORK—SAN FRANCISCO via LONDON—PARIS—ROME—KARACHI—DELHI—CALCUTTA—TOKYO—HONOLULU.

PHILIPPINE AIR LINES, INC.

Great Eastern Hotel, Calcutta-1.

MANILA—LONDON via CALCUTTA.

Frequency : *East Bound : Mondays, Thursdays.*

West Bound : Saturdays, Wednesdays.

ROYAL DUTCH AIRLINES

(K. L. M.)

7, Chowringhee Road, Calcutta 13; Indu House, Dougall Road, Ballard Estate, Bombay-1; Malhotra Bldg., Queensway, New Delhi; Hotel Connemara Annexe, Mount Road, Madras-2.

KLM operates three services a week in either direction through India. These services touch only Calcutta :

1. **AMSTERDAM—DUSSELDORF—ROME—CAIRO—KARACHI—CALCUTTA—BANGKOK—SINGAPORE—DJAKARTA** (with connections at Bangkok for Tokyo).
2. **AMSTERDAM—CAIRO—BASRA—KARACHI—CALCUTTA—BANGKOK—SINGAPORE—DJAKARTA.**
3. **AMSTERDAM—GENEVA—ROME—BEIRUT—BAGHDAD—KARACHI—CALCUTTA—BANGKOK—SINGAPORE—DJAKARTA** (with connections at Bangkok for Tokyo).

SCANDINAVIAN AIRLINES SYSTEM

Agents : United Liner Agencies of India, Ltd.

Mookerjee House, 17, Brabourne Road, Calcutta; Kaiser-i-Hind Building, Ballard Estate, Bombay-1; Second Line Beach, Madras-1.

The Company operates one route that passes through India.

STOCKHOLM—COPENHAGEN—FRANKFURT—ZURICH—ROME—LYDDA—KARACHI—CALCUTTA—BANGKOK—TOKYO.

Frequency : *Thursdays and Sundays.*

TRANS WORLD AIRLINES

Offices : Adelphi, 8, Queen's Road, Bombay.

BOMBAY—ROME—LONDON—NEW YORK.

There is a service from Bombay to New York on Mondays, Wednesdays and Fridays. In the opposite direction a plane arrives in Bombay from New York on Sundays, Tuesdays and Thursdays.

ELECTRIC POWER DEVELOPMENT

THE aggregate generating capacity of the country has grown as follows (kWt):—

1900	1,130
1905	11,750
1910	31,947
1915	57,286
1920	130,009
1925	327,152
1930	598,140
1935	900,402
1940	1,208,422
1945	1,319,316
1950	1,712,515
1952	2,041,700

The total installed capacity at the end of 1952 was 2,041,700 kWt, of which a little over half a million kWt is water power.

The per capita consumption of electric power in India is ridiculously low. It is 9.2 kWt hours as against 986 in England, 1,470 in U.S.A., 3,518 in Canada, 1,944 in Switzerland, 3,099 in Norway and 2,000 in Sweden.

The production and sale of electric power from 1948 to 1952 was as follows (in million kWt):

	Generated	Sold
1948	4,800	3,700
1949	4,900	4,000
1950	5,100	4,200
1951	5,900	4,800
1952	6,200	5,000

An analysis of electric power consumption in million kWt is given below. The figure in brackets shows the percentage:

	1951	1952
Industrial power	3,050(64.0)	3,240(64.4)
Domestic consumption	580(12.2)	610(12.0)
Tramways and electric railways	330(6.9)	320(6.4)
Commercial light and small power	330(6.9)	350(6.9)
Public waterworks and sewage pumping	210(4.5)	230(4.6)
Irrigation and agricultural de-watering	200(4.1)	210(4.3)
Street lighting	70(1.4)	70(1.4)
TOTAL	4,800	5,000

INSTALLED CAPACITY

The installed capacity in 1950 according to source is as follows (kWt):

Steam plants (1,004,434); oil-gas plants (148,796); hydro plants (550,285).

Some individual industries have power-stations of their own. The numbers of installations and the installed capacity are as follows:

	No.	Capacity (kWt)
Iron and Steel	32	179,006
Cotton	153	96,320
Wool	5	3,233
Cement (primary)	17	93,655
Cement (secondary)	2	1,100
Collieries	114	68,755
Jute	32	44,783
Railways	101	44,308
Paper	14	37,750
Sugar	104	33,769
Aluminium (primary)	2	16,434
Ordnance factories	11	15,777
Copper (primary)	1	9,875
TOTAL	587	642,745

The number of installations and generating capacity for 1950 by ownership is as follows:

	No.	Capacity (kWt)
Government	201	609,953
Municipalities	19	17,402
Private companies	258	1,085,160
TOTAL	478	1,712,515

The number of installations in Jan. 1953 was a little over 610 (exclusive of railway, military stations).

The following statement shows the number of electrified towns and villages at the end of 1950:

Population	Number of towns	Number with electric supply	Percentage of towns with electric supply to total
Over 100,000	49	49	100.00
50,000 to 100,000	88	88	100.00
20,000 to 50,000	277	240	86.64
10,000 to 20,000	607	260	42.83
5,000 to 10,000	2,367	258	10.86
Below 5,000	559,062	2,792	0.50
TOTAL	562,450	3,687	0.66

It may be pointed out that six large cities—Bombay, Calcutta, Ahmedabad, Kanpur, Madras and Delhi account for 59 per cent of the country's installed capacity and 56 per cent of the generated energy.

The total number of consumers at the end of 1950 was 240,052.

The State-wise analyses as on Jan. 1, 1952 are as follows:

State	No. of stations	Installed capacity (kWt)	Energy generated (mln. kWt)	Energy sold (mln. kWt)	Capacity in Industrial Plants (kWt)	Capacity in railway plants (kWt)	Annual per capita consumption (kWt)
Assam	9	3,343	6.600	5.595	1,570	1,866	0.55
Bihar	19	46,996	132.032	118.593	214,703	9,559	2.87
Bombay	121	441,133	1831.330	1580.273	56,224	44,751	38.15
Madras	24	180,093	775.867	605.509	12,200	3,524	8.76
Madhya Pradesh	32	52,139	81.311	84.055	35,478	158	2.46
Orissa	17	4,845	6.811	5.125	5,422	36	0.29
Punjab	26	63,917	201.140	166.048	5,246	383	—
Uttar Pradesh	50	199,896	566.772	457.939	21,946	6,717	6.00
West Bengal	31	546,174	1207.274	1034.137	141,060	14,448	36.22
Kashmir	4	6,479	25.514	17.375	—	—	3.93
Hyderabad	8	26,234	50.959	43.185	24,189	40	2.14
Madhya Bharat	26	16,362	30.909	24.009	25,190	80	2.89
PEPSU	10	6,806	6.043	10.767	2,774	85	2.26
Rajasthan	30	27,928	57.716	42.244	1,246	100	2.16
Saurashtra	23	22,401	43.681	37.525	19,859	17	5.20
Travancore-Cochin	3	33,186	153.834	156.886	564	—	15.93
Mysore	3	107,200	525.343	372.508	2,980	—	34.27
Delhi	4	42,586	137.281	119.446	8,180	—	58.75
Others	21	8,284	14.977	12.046	2,838	2,150	1.22

FIVE-YEAR PLAN

There are a little over 100 power projects in the Five-Year Plan.

The total cost of these will be about Rs. 782.5 crores.

The proposed expenditure during the Plan period will be about Rs. 511.8 crores.

The expenditure during 1954-55 will be Rs. 107 crores, and during 1955-56, Rs. 78 crores.

The addition to the installed capacity at the end of the Plan will be 1.07 million kWt.

The ultimate addition will be 1.96 million kWt.

The consumption of electricity in 1955-56 is expected to be of the following order (in million kWt): (See next column)

Industrial: 860; Domestic light and power: 860; Commercial light and power: 430; Industrial: 4,100; Irrigation: 332; Other purposes: 752.

Total: 6,474.

The three most important power projects now under construction are:

The Nangal power house, the power stations on the Damodar, and the Power House No. 1 on the Hirakud.

POWER PROJECTS

Statistical information about some of the major power projects under the Central Government are given below (power in thousand kilowatts):

Name	Date of completion	Installed capacity	Firm power	Anticipated load
Nangal Power House	1956-57	144	105	98
Damodar :				
Bokaro thermal	1952-53	150	—	—
Maithon	1955-56	40	—	—
Konar		40	—	—
Panchet Hill	1957-58	40	—	—
Tilaiya	1952-53	4	—	—
Damodar (total)	—	274	103	180
Hirakud :				
Power House No. 1	1957-58	123	85	85

Statistical information about power projects in States is given below. The expenditure is in lakhs of rupees, and the power in thousand kilowatts :

State	Total cost	Plan expenditure	Installed capacity	Firm power	Anticipated load
	Rs.	Rs.			
Assam	85	83	7	7	4
Bihar	11,20	7,00	11	9	20
Bombay	14,12	10,13	81	359	417
Madhya Pradesh	13,89	6,00	73	51	58
Madras	77,73	50,24	307	324	212
Orissa	8,74	3,91	8	5	23
Punjab	59	38	—	—	—
Uttar Pradesh	20,30	14,10	124	169	162
W. Bengal	1,33	76	4	2	24
Hyderabad	5,81	3,21	53	45	33
Kashmir	1,86	1,55	7	10	9
Madhya Bharat	2,74	2,28	18	18	18
Mysore	20,27	12,68	120	176	282
PEPSU	2,00	30	—	—	—
Rajasthan	53	41	11	16	15
Saurashtra	2,62	2,13	12	9	8
Travancore-Cochin	17,70	10,35	81	66	85
Bhopal	28	28	—	—	—
Coorg	25	25	—	—	—
Kutch	23	23	—	—	—
Tripura	7	7	—	—	—
Vindhya Pradesh	51	51	3	3	2
Himachal Pradesh	13	13	1	1	1
Manipur	12	12	—	—	—

There are also projects which are under different stages of investigation. These include Kosi (Nepal and Bihar), Tikarpara and Niraj (Orissa), Narmada, Tapli and Subarmati (Bombay and Madhya Pradesh), Indravati (Bastar), Sone, Rihand and Nayar (U.P.), Chambal (Rajasthan and Madhya Bharat), Dihang, Manas and Baraull (Assam).

The total power generation on these projects may be 10 million kilowatts.

The schemes under execution may be expected to be in commission during the next quinquennial period and a large portion of the schemes now under consideration may be completed in the next ten years.

The Central Government have enacted legislation, The Electricity (Supply) Act, 1948, with a view to bringing about proper rationalisation of the industry and to assist in the rapid electrification of the country.

The Act provides for the formation of Provincial Electricity Boards in the States which

will take control of generation of electricity by all the licensees.

Madhya Pradesh and Delhi have set up such Boards.

It also provides for the creation of a Central Electricity Authority for exercising a close scrutiny of the work of the Provincial Boards and to advise them on all major power development schemes that may be taken up by the Boards from time to time.

This body was set up in 1950.

It is required to evolve a sound national policy, and co-ordinate the activities of the appropriate planning agencies.

It is to act as arbitrator in disputes between a State Government or a State Electricity Board and the licensees.

It has to carry out investigations and collect data about all sides of production and distribution of power.

The State Electricity Boards are required to rationalize supply and distribution, prepare and carry out new schemes, acquire existing stations and equipment, give bulk supplies of power to existing licensees, designate wherever necessary existing stations as controlled stations and direct licensees to achieve the maximum economy and efficiency in the operation of their undertakings.

BOMBAY

The greatest hydro-electric undertakings in the country are the three schemes developed and brought into operation by Tata Sons, Ltd., and continued under their management until 1929, when they were transferred to the management of the Tata Hydro-Electric Agencies, Ltd., in which Messrs. Tata Sons retained a substantial interest. These undertakings are:—

- The Tata Hydro-Electric Power Supply Company, Ltd. Supply started in 1915.
- The Andhra Valley Power Supply Company, Ltd. Supply started in 1922.
- The Tata Power Company, Ltd. Supply started in 1927.

These three Hydro-Electric stations together with the Chola Steam Station of the Central Railway supply a demand of nearly 285,000 kW in and around Bombay up to as far south as Poona.

Khopoli.—The hydraulic works of the Tata Hydro-Electric Power Supply Company are situated near Lonavla at the top of the Bhor Ghat. The monsoon rainfall is stored in three lakes, namely Lonavla, Walwan and Shiravta, from which it is conveyed in open masonry canals to the Forebay at Khandala and thence through steel pipes to the Power House at Khopoli at the foot of the Ghats, where the head at turbine nozzles is 1,725 feet or approximately 750 lb. per sq. inch. The capacity of the Power Station at Khopoli is 65,000 kW.

This scheme was formally opened by the Governor of Bombay on the 8th of February 1915.

Bhivpuri.—Investigations in 1917-18 led to the discovery of a site on the Andhra River just to the north of the Tata Hydro-Electric Supply Company's lakes, where additional power could be developed.

These investigations resulted in the formation of the Andhra Valley Power Supply Co. and the construction of the schemes, the principal features of which consist of a reservoir formed by a dam about 190 feet high, across the Andhra River and a tunnel 8,700 feet long driven through solid trap rock to the scarp of the Ghats, from which the water is taken in steel pipes 4,600 feet long to the turbines in the generating station at Bhivpuri. The head of water at turbine nozzles is 1,740 feet or approximately 750 lb. per sq. inch.

The electrical energy is transmitted to Bombay over a transmission line 56 miles long for augmenting the supply from Khopoli.

The present capacity of this station is 60,000 kW.

Bhira.—The Tata Power Company's scheme on the Nila-Mula River to the south-east of Bombay was investigated and developed along lines similar to the Andhra Valley scheme and has an installed capacity of 132,000 kW.

The power is transmitted to Bombay over a transmission line 76 miles long and is used to augment the supply of the two earlier companies to mills, factories and railways.

The Tata Hydro-Electric System, comprising the Tata Hydro-Electric Power Supply Company, the Andhra Valley Power Supply Company and the Tata Power Company, is operated as an integrated electric power system serving an area in the State of Bombay of more than 1,000 square miles.

It is the largest power system in the country having a fixed capital expenditure in excess of Rs. 16 crores and an annual output representing more than one-fourth of the total electricity production.

Electric service is rendered to the textile mills and other industries of Bombay and the suburban areas, to the railways for electric traction, to local authorities, and, in bulk for retail distribution, to the electrical undertakings supplying Greater Bombay, Poona and ten other localities within the area.

During the year 1952-53, the three hydro-stations and the railway thermal power station, which is connected to the system, together generated 1,486 million units of electric energy.

The transmission network of the system consists of 406 circuit miles of 100,000-volt lines and the distribution network of 106 circuit miles of 22,000-volt overhead as well as 101 miles of 22,000-volt and 116 miles of 6,800-volt underground cables.

Substantial additions to the transmission and distribution network are expected to be made during the next few years.

The interconnected transmission lines of the Railway add another 272 circuit miles to form the combined Tata Hydro-Railway Grid.

The rate for energy delivered to the Mills, Factories and Railways has, for several years shown a steady decrease and now averages 0.42 of an anna per unit, which compares favourably with that in any large commercial centre in the world.

The rates were increased by 12½ per cent for the first time in the history of the companies on account of all-round increasing costs.

The load development in the area served by the Tata Hydro-Electric System has exceeded the available capacity. The available power is distributed to the existing consumers by staggering of working days of the various industries.

By continuing to utilise the load staggering periods for essential machine maintenance and overhaul the system capability by mid 1954, not including the Bombay Government Plant, will just be equal to the then expected demand of about 289 MW.

Any load which can from now on be supplied is only that which can be taken up by the Bombay Government Plant now being commissioned into service.

Further development will have to await the Tatas Thermal Plant which is expected to go in service by 1957 and the supply from Koyna scheme which was inaugurated on January 16, 1954.

Grid Schemes

For the development of industries and agriculture in the State of Bombay, the Bombay Government has embarked on the provision of an electrical grid scheme somewhat on the lines of the British Grid. It is at present proposed to develop grid schemes area-wise in the different parts of the State which may be interconnected at a later stage.

In the State of Bombay, there are at present 123 licensees in operation. Most of the licensees operate in urban areas. Besides, there are 22 power stations owned and operated by the Bombay Government including those of the merged States.

The development programme under execution at present consists of: (1) North Gujarat Grid Scheme, (2) South Gujarat Grid Scheme, (3) the Jog-Karnatak Electric Grid Scheme, (4) Extension of the Chola Power Station of the Central Railway, (5) the Radhanagari Hydro-Electric Scheme, (6) Rural Electrification and Small Towns Schemes based on small Diesel stations or distribution of power purchased from the existing licensees.

Besides this, the Department is entrusted with the work of operation and maintenance of power houses in merged States which were owned and operated by the various former Indian States.

Co-ordinated Development

The former Government of Baroda was persuaded to abandon the scheme of establishment of steam station and to take power in bulk at Baroda, Petlad, Kalol, Navsari and Billimora from the Grid schemes for distribution within the State territory.

Negotiations were conducted with the Western Railway for the use of a common power system on a co-operative basis by the Railway for meeting its power requirements for traction purposes between Ahmedabad and Bombay and by the Bombay Government for supplying electric service to urban and rural population residing within the economic distance of the various substations en route.

When the Railway electrification scheme is decided on, it will be necessary further to develop more power at the generating stations in North Gujarat and South Gujarat areas and also the transmission systems.

Negotiations were also conducted with the Central Railway for the use of a common power system in the Nasik and Khandesh areas. However, due to financial stringency, the proposal for joint development in these areas has been dropped for the time being.

North Gujarat Scheme

Under this scheme power is being purchased in bulk from the power station of the Ahmedabad Electricity Company at Sabarmati and distributed to various load centres in the North Gujarat Area.

The scheme when completed will comprise about 70 miles of 66/110 kV line, 14 miles of 33 kV and 50 miles of 11 kV transmission lines and about 480 miles of distribution lines a receiving station at Sabarmati and 66/11 kV step-down transforming stations at Baroda, Nadiad, Anand, Barejadi and Petlad and 33/11 kV sub-stations at Kalol and many 11 kV/400-230 Volts sub-stations in various towns and villages to be served.

The Ahmedabad Electricity Company have constructed a new power station known as "B" station consisting of four 15,000 kW steam turbo sets negotiated by the Government with the Company in the year 1944-45.

In order to meet the ever growing requirements of power, the Government have negotiated with the Company for the establishment of a further new power station known as "C" station, initially consisting of three 15,000 kW sets orders for which have already been placed by the Company and the first set of which was expected to be in Commission early in 1954.

The ultimate capacity of this "C" station is estimated to be 120,000 kW.

The 66/110 kV transmission line between Ahmedabad and Baroda and 33 kV line between Ahmedabad and Kalol have been energised and supply commenced to Baroda, Nadiad, Anand, Dakor-Umreth, Petlad, Vallabh Vidya Nagar and Kalol licensees as well as to several industries.

The work of erecting 11 kV lines in rural areas and the laying of distribution lines in the villages is in progress. Supply has already commenced in several villages and is being gradually extended to other villages.

This scheme is estimated to cost approximately Rs. 208 lakhs.

The system demand established upto the end of 1953 was over 14,000 kW and the number of consumers served nearly 2,500.

South Gujarat Scheme

This scheme provides for the installation of a steam power station at Utran near Surat, initially comprising two turbo alternator sets of 7,500 kW each for supply of power in areas from Surat to Bulsar, and the construction of a 66 kV transmission line over a distance of about 33 miles from Surat to Billimora.

Supply under this scheme is already commenced and bulk power is at present being given to the Surat licensee as from November, 1952.

Power in bulk will now be supplied to the licensees and large industries at Navsari, Billimora, Bulsar, Rander and Kathor and to the rural loads in the areas between Surat and Bulsar as soon as the 66 kV-transmission system and further distribution lines are completed.

Additional demands for power continue to be received and one more 7,500 kW set with boilers and equipment is already about to be erected.

Provision of further capacity is under consideration.

The system demand upto end of 1953 was 4,300 kW.

The scheme inclusive of the third 7,500 kW is expected to cost Rs. 386 lakhs.

Other Schemes

For the isolated towns and rural areas which are beyond the economic reach of the major Grid schemes but offer good scope for development of cottage and small scale industries and agricultural pumping, Government have established small diesel stations or arranged to purchase power in bulk from the existing power stations of nearby licensees.

These small schemes are known as 'Nursery Schemes'.

The criteria adopted for selection of places for nursery development are that there should be (a) about 2,000 dwelling houses and (b) a reasonable magnitude of load of small scale

and cottage industries and (or) agricultural pumping which could be operated by electricity so as to increase the productive and earning capacities of people in such areas.

A list of towns covered under the Nursery Scheme is given below :—

Division	District	Towns covered	Remarks
Northern	Surat	Ten villages in Bulsar Taluka.	Supply has already commenced; power in bulk is purchased from Bulsar licensee. These villages will be later supplied from the South Gujarat Grid Scheme.
Northern	Ahmedabad	1) Dholka 2) Dhanduka	Schemes are postponed due to financial stringency.
	East Khandesh	Dharangaon, Erandol and Parola.	Supply from the diesel power station is expected to commence in the first quarter of 1954.
	Sholapur	Akluj	Scheme is postponed due to financial stringency.
Central	Poona	Lonavla-Talegaon area.	Scheme is postponed due to financial stringency. Power will be purchased from Tatas.
	Satara (North)	21 villages in Satara Taluka.	Power in bulk is purchased from Satara licensee. Supply has already commenced.
	Satara (South)	Islampur-Peth.	Supply from the diesel power station has been commenced.
	Belgaum	Hukeri, Gokak, Chikoli, Konnur and Sankeshwar.	Supply from the diesel power station has already commenced.
	Belgaum	Bailhongal	Supply from the diesel power station is expected to commence in 1954-55.
Southern	Bijapur	Guledgud, Kamatigi.	Supply from the diesel power station has been commenced.
	Bijapur	Ilkal, Hungund, Amin-gad, Gudur and Sulbhavi.	Supply from the diesel power station is expected to commence in 1954-55.
	Dharwar	Gajendragad	Scheme is postponed due to financial stringency.
	Ratnagiri	1) Ratnagiri. 2) Vengurla. 3) Chiplun. 4) Malwan.	The supply from all the four diesel power stations has already commenced.

None of the schemes mentioned above can at present supply any large industrial load, but with the new Surat Steam Station it will be possible to supply power for industrial use under the Bulsar Taluka Electrification Scheme.

Jog Power.—The Mysore Government has to supply the Bombay Government with electric power upto 10,000 kW at Jog and 1,500 kW at Harihar. This power will be distributed in the Dandeli, Dharwar, Hubli and Gadag areas as well as in Byadgi, Haveri and Ranibennur.

The supply to the Harihar-Haveri section was expected to commence at the beginning of 1954 and the Jog-Hubli section by the end of 1954.

The scheme is estimated to cost Rs. 213 lakhs.

Koyna Project.—The first stage of development of the revised project as at present approved by Government now comprising storage of 36,045 m.c. ft. of water, behind the dam of 204.5 feet height above the river bed at Jalkawadi, sufficient to produce 240,000 kW of power.

The estimated cost of the dam, tunnel, necessary generating plant and transmission and transformation equipment for the first stage development is expected to be approximately Rs. 33 crores.

The foundation stone of this scheme was laid on January 16, 1954.

Initial supply of power from this Scheme is expected to be commenced six working seasons after the funds are allotted for the commencement of the work.

Kalinadi Project.—The final report indicates that 325,000 kW continuous is available in the Kalinadi Basin, distributed in four power stations. Initially the development of one power station at Supa, capable of supplying about 50,000 kW to the districts of Dharwar, Kanara, Belgaum and Bijapur is due for examination.

Bhatgar Hydro-Electric Project.—A demand of about 10,000 kW can be met from this source, provided the power station is linked up either with Koyna when and if developed or Tata system at Poona.

Bhandardara-Randha Electric Scheme.—A demand of 16,800 kW can be met from this source. In addition to this, a further 10,000 kW can be obtained during the monsoon. This power can be firm up by the establishment of a steam station of the installed capacity of 15,000 kW in this area.

Narbada River Project.—The Central Water Power, Irrigation and Navigation Commission are investigating the possibilities of power development by impounding the waters of the Narbada River in Gujarat. It is reported that at one of the Dam sites at Limbdil, 200,000 kW continuous power can be generated. This power when available will be utilised in Gujarat in place of the present thermal power.

Tapti (Tapti) Project.—Under this project, which was initially intended to be an irrigation scheme only, it is now proposed to also develop Hydel power with initial installed capacity of 24,000 kW the ultimate capacity being 216,000 kW. The work is being carried out by the Central Water-power Irrigation and Navigation Commission on behalf of the Bombay Government. The Tapti Hydel power when available will supply the power requirements of the South and the North Gujarat Electric Grid Schemes.

At present only the irrigation part of the project is being proceeded with because of financial stringency. Total cost: Rs. 6 crores.

Radhanagari.—The Radhanagari scheme is a multi-purpose project for irrigation, power generation and water supply and comprises construction of a dam, about 140 feet high above the deepest foundation across the Bhogavati River, about 32 miles from Kolhapur, and a power station with an installed capacity of 4,800 kW at Radhanagari in Kolhapur District.

The R.H.E. Scheme is expected to cost about Rs. 246 lakhs.

Hydro-Electric Supply to Kolhapur City was commenced from August 1952 and to Jaysingpur licensee from March 1953.

Besides the R.H.E. Project, the following work of the former Kolhapur State is under execution by the Grid Department.

(i) The Emergency Irrigation Diesel Power Station for supplying power for irrigation and industries. This power station is now interconnected with the Radhanagari Hydro-Electric Power House.

(ii) Conversion of D.C. to A.C. in the area taken over from the Kolhapur licensee.

The interconnected system, besides supplying power to Kolhapur City which is partly served by Government and partly by the Kolhapur Electric Supply, will supply power to the agricultural pumps along Bhogawati and Panchaganga rivers and to the licensees of Kolhapur, Ichalkaranji, Jaysingpur and Hupri.

Chola Steam Station.—In order to relieve the acute power shortage existing in the Bombay-Poona area since 1949, it was decided, in consultation with the Railway Board, to extend the Railway's power station at Chola by an additional installed capacity of 54,000 kW.

The scheme is expected to cost about Rs. 4 crores and will be operated as a part of the Tata-Central Railway Interconnected System.

The supply was expected to commence in the beginning of 1954.

In order that the Bombay-Poona area does not suffer from any further shortages of power till the large bulk supply from hydro power from the proposed Koyna Project become available, Government have granted a license to Tatas for setting up a steam thermal station of 100,000 kW capacity at Trombay with an initial capacity of about 50,000 kW.

MYSORE

The first Hydro-Electric scheme of any magnitude undertaken in the country or indeed in the East, was that on the Cavery River in Mysore State, which with its generating station transmission line and distributing system was inaugurated in 1902.

Sivasamudram.—The principal object of this scheme was the supply of power to the mining companies on the Kolar Gold Fields about 9 miles from Sivasamudram, the site of the generating station.

Since 1902 the supply of electrical energy from Sivasamudram has been provided for Bangalore and Mysore Cities and over 225 other towns and villages in the State.

The initial undertaking has constantly been expanded and its total normal capacity now stands at 83,000 H.P.

The first stage of the Project with an installed capacity of 48,000 kW was put into service with four units of 12,000 kW each on February 21, 1948.

The cost of this stage and that of all the civil engineering works for the second stage amount to Rs. 5.6 crores.

The work on the second stage is in progress now and with its completion, the total capacity of the station would be 20,000 kW. It consists of four more generator units of 18,000 kW each. This work is estimated to cost Rs. 2.65 crores.

The Jog Power plant supplies energy to the north and north-eastern parts of the State up to Mysore and Mandya, along Chikmagalur, Hassan, Holenarsipur and Belgola. It supplies power to Anantpur, Cudappah and Kurnool Districts of Andhra State.

To the Tungabhadra project, a block power of 2,000 kW is being supplied.

The State of Bombay receives upto 10,000 kW at the station itself and 1,500 kW at Harihar border.

To South Canara in Madras State, this plant supplies 6,000 kW and another 2,000 kW is being supplied to Coorg.

At present Mysore supplies electricity to over 500 towns and villages and to over 5,000 irrigation pumping units within the State limits.

The transmission system consists of over 900 route-miles of 78,000 and 37,500 volt lines with a total of 1,350 miles of circuits.

With the construction of the new transmission lines and on the generation of power at Jog, over 600 miles of 110 kV new transmission lines will be in service.

TRAVANCORE-COCHIN

Pallivasal.—The Pallivasal Hydro-Electric Scheme was sanctioned by the Government in 1931 and the work was taken up immediately afterwards. The first stage of development was completed by the beginning of 1940 and the supply was commenced in March 1940. The scheme utilises the water of the Mudrapuzha River diverted at Munnar through a tunnel 9 ft. by 8 in. and 10,200 ft. in length.

The second stage extension works of the Pallivasal Hydro-Electric Project are now in progress. Two additional sets each of 7,500 kW have so far been installed thus bringing the total installed capacity of the station to 28,500 kW.

With the completion of the Madupatty Dam in the upper reaches of the Mudrapuzha river, the installation of the sixth and the last 7,500 kW set and certain modification to the first three units in the power station, the installed capacity of the Pallivasal power station will be raised to 37,500 kW.

The total generation during 1951 was 170 million units. About 77.5 per cent of the power generated is used for industrial purposes and the rest for agricultural and domestic needs.

As a result of the negotiations with the Government of Madras, it has been possible to get an extra block of 3,000 kW of power from the Papanasam System.

Power up to 66,000 volts is available for transmission to plains.

The primary transmission network now consists of 434.14 route miles of 66 kV lines, 26 route-miles of 33 kV lines and 24 route miles of 22 kV lines and seven 66 kV sub-stations.

The distribution network consists of nearly 668 miles of 11 kV lines, 621 miles of 400/230 volt lines and 204 distribution centres.

The connected load is over 62,200 kW with a maximum peak load of about 28,500 kW.

Sengulam.—Two new projects have been taken for execution. The first of these, the Sengulam Hydro-Electric Project envisages the utilisation of the tail water discharged from the Pallivasal Power station over a head of 1,200 feet. The project is under execution and is estimated to cost Rs. 300 lakhs.

The various works connected with the project are well under way and the first unit in the Sengulam Power Station was commissioned by the beginning of 1952.

The Poringalkuthu Hydro-Electric Scheme will utilise the water of the Chalakudi river. In the first stage of the project which is now under execution the installed capacity will be 24,000 kW comprising three sets each rated at 8,000 kW. This Scheme was scheduled to be completed by the end of 1953.

MADRAS*

Madras now ranks next to Bombay in its hydro-electric power output. Three hydro-electric stations are now in operation. Besides extensions to the existing plants, two more stations are under construction.

An 'Electric Power Grid' has been in existence for over 20 years.

The grid in the south where it is well formed consists at present of three hydro-electric power stations, viz., those at Pykara, Mettur Papanasam and two thermal stations at Madras and Madurai.

A good portion of 13 districts from Chittoor to Tinnevely and Chingleput to Malabar is covered by the Grid. In the central and northern regions of the State the grid is yet to take shape.

The installed generating capacity under the Madras Grid totals 195,300 kW. It has about 5,100 miles of high tension line, operating at voltages from 11,000 to 111,000, and 4,000 miles of low tension distribution lines. There are 34 extra high tension sub-stations of 110 kV and 66 kV, and 44 of 33 and 22 kV with transformer capacity totalling 247,000 kVA and 1,766 distribution transformer stations with an aggregate capacity of 110,800 kVA.

The total connected load to the Grid is 468,750 kW.

A total of 1,960 towns and villages are receiving supply from the Grid.

There are over 274,000 consumers of all classes; 111,000 served directly by the department and 163,000 by licensees distributing Government power.

The total power generated amounts to over 680 million units representing more than 99 per cent of the total power output in the State.

The capital investment is over Rs. 21.7 crores and the revenue about Rs. 3.78 crores.

Madras leads all other States in India in rural electrification with 1,960 villages electrified of which about 1,100 received supply from the Grid, the rest from self-generating licensees. Nearly 16,700 pumps for lift irrigation and 1,800 rural industries are run on electricity with a connected load of 92,000 kW.

Pykara Scheme.—The scheme utilises the waters of the Pykara river which drains from the Nilgiri plateau having a catchment area of nearly 38 square miles and a fall of about 3,100 ft. The flow though perennial is very irregular and often drops to values around 20 cusecs during the dry season.

The estimated potential capacity of the full development is around 40,000 kW continuous.

The first stage of development was commenced at the end of 1929 and was completed at the end of 1932.

The present storage capacity is 1,886 m.c.ft.

Power is transmitted to Coimbatore, which is the main receiving station and also the chief load centre by means of a 50 mile double circuit 110 kV line.

The line is extended therefrom at 66 kV to Tiruppur, Erode, Udumalpet, Sembatti and Madurai.

At Erode and Madurai tie is established with the Mettur and Papanasam Systems respectively.

Power is now supplied from Pykara to Calicut and Cannanore through 66 kV lines.

This system has 1,722 miles of transmission lines of voltage ranging from 11,000 to 110,000 in service. There are nine extra high tension sub-stations with transforming capacity of 140,680 kVA and 734 distribution transformer stations with an aggregate capacity of about 41,600 kVA.

The final stage of the Pykara Project consisting of a second dam across the Pykara river to provide a storage of 2,000 m.c.ft. a new penstock, and two generating sets of 13,000 kW each at Pykara station is under execution.

This will not only meet the power deficiencies of Mettur and Papanasam stations during periods of unfavourable water conditions but will also

meet the demands arising out of the large scale industrial and agricultural developments in the southern districts in the near future.

To supplement the output in the Hydro-Grid during water scarcity, an auxiliary steam station at Madurai with an initial capacity of 4,000 kW was completed and brought into operation in February 1951.

Mettur Scheme.—The Mettur Dam, one of the largest structures of its kind in the world is 176 ft. high and can impound a total of 93,500 m.c.ft. of water.

This storage is primarily for irrigation purposes but part of the water let down for irrigation is utilised to the best advantage for the generation of hydro-electric power.

Work on the initial installation with 3 units of 10,000 kW each was commenced in the latter part of 1935 and the station started operation in June 1937.

The operating head varies from 160 ft. at full reservoir level to a minimum of 60 ft. The average head is 135 ft.

Power is generated at 11,000 volts, 50 cycles, 3 phase and stepped up to 66,000 volts for transmission to various load centres. The voltage of transmission will shortly be raised to 110,000.

Power is transmitted to Singarapet in the north and Erode in the south (a total mileage of 100 miles) taking off from the power station.

At Erode the Mettur System is linked with Pykara network. Lines are extended in the north to Vellore, Tiruvannamalai and Villupuram and in the south to Trichinopoly, Tanjore and Nagapattanam.

Papanasam Scheme.—This is the third hydro-electric scheme to be undertaken by the Madras Government. The first stage of the scheme was started in 1938 and the station commenced operation in July 1944.

The Tambraparni river drops about 300 ft. over the picturesque Papanasam falls at the foot of the Western Ghats in Tinnevely District.

Six miles above the falls a reservoir of 5,500 m.c.ft. is formed by constructing a masonry dam 170 ft. above river bed and 800 ft. long. The gross head developed is 330 ft.

The transmission system extends to Tuticorin, Kollipatti and Madurai, and is linked with the Pykara Hydro-Electric System at Madurai.

Bulk power to the extent of 3,000 kW is being delivered to the Travancore-Cochin Union Government at the State borders near Shencottah.

The Five-Year Plan (including projects for Andhra) provides for (a) four new power houses at Machkund, Moyar, Nellore and Madurai; (b) extensions to five existing power houses—Pykara, Papanasam, Madras, Vijayavada and Visakhapatnam—and (c) 1650 miles of new high tension line.

In 1950-51 sanction was accorded to the Tungabhadra Hydro-Electric Project and a number of transmission and distribution extensions.

The installed capacity on the Andhra side will be 60,000 kW, on the Hyderabad side 110,000 kW.

The project was to be completed in 1953-54.

All these schemes will add 200,000 kW of extra generating capacity to the Grid. In other words, when the plan is completed, the existing generating capacity will have been doubled.

The estimated expenditure for the five years 1951-56 is Rs. 50.24 crores (includes expenditure for Andhra).

* includes Andhra.

† See below under Hyderabad.

Of the schemes included in the plan, the Nellore thermal station with a generating capacity of 5,000 kW was completed and brought into operation in October 1950. The Madurai thermal station had a 4,000 kW turbo set commissioned into service in February 1951. The Papanasam power house extension was completed with the addition of the fourth 7,000 kW unit.

The Moyar power house and Madras station first stage extensions were completed in 1952-53. The generating capacity of Vijayavada and Visakhapatnam thermal stations was increased by 6,000 and 3,000 kW respectively. The areas will ultimately be connected to the Machkund Hydro-Electric Station.

WEST BENGAL AND BIHAR

The Damodar Valley Project.—This is the most important development scheme serving West Bengal and Bihar jointly. Of the seven multi-purpose dams included in the entire Project, four form part of the First Phase Programme now under implementation. (Tilaiya and Malton on the Barakar, Panchet Hill on the Damodar, and a dam across the Konar.)

The Tilaiya dam was to be ready in 1952, the Konar dam in 1953, the Malton dam in 1954, and the Panchet Hill dam in 1955, when an irrigation barrage and 1,500 miles of canals and distributaries, of which 83 miles will be navigable, will likewise be finished.

A 150,000 kW thermal power station at Bokaro included in the First Phase Programme, has come into commercial operation.

The First Phase alone will provide perennial irrigation for one million acres, generate 126,000 kW hydro-electricity, and control floods up to 650,000 acres.

The extra foodgrains expected to be produced on completion of the First Phase are about 10 million maunds, yielding at present prices Rs. 30.48 crores annually. The estimated monetary value of the extra jute is Rs. 3.80 crores per year the sale proceeds per annum of the D.V.C. power has been calculated at Rs. 4.18 crores.

On the basis of prices prevailing in 1951, the revised cost estimates for the First Phase amount to Rs. 76* crores.

Mor Project.—The opening of the Mayurakshi canal in July 1951 marked the successful completion of an important phase in the Rs. 15½ crore Mor Project, one of the principal post-war development schemes in West Bengal. Besides irrigating an area of 600,000 acres, the project will provide about 4,000 kW of electric power annually. The necessary plant is already installed.

Kosi Project.—The most important scheme in Bihar is the Kosi Project now under investigation with the Central Waterpower, Irrigation and Navigation Commission. It will be a multi-purpose project for irrigation, drainage, reclamation of water-logged areas, malaria control, fish culture and recreation facilities.

The project comprises a dam, 750 feet high across the Chatra gorge in Nepal just above the temple of Baraha Kshetra, to store about 11 million acre feet of water, a power plant at the dam site capable of generating upto 1.8 million kW of power at 50 per cent load factor, a barrage in Nepal across the Kosi to control and stabilise the river channel, and to divert its supplies into two canals, one on either bank, for irrigating about a million acres in Nepal territory, and a second barrage near the Nepal-Bihar border with two canals on the left and one on the right bank, for irrigating over two million acres of land in Bihar.

The project is estimated to cost rupees 90 crores. The execution of the scheme is expected to take about ten years.

ORISSA

The unified development of Mahanadi Valley has been decided upon by the State of Orissa and is being executed through the Central Waterpower, Irrigation and Navigation Commission, Government of India.

It comprises three units namely the Hirakud Dam Project, the Tikarpara Dam Project and the Naraj Dam Project, each with its own canal system and hydro-electric power installations. The three units are capable of independent development and also of forming an integrated part of the basin wide plan.

Hirakud Dam Project.—This involves the construction of a dam—150 feet high and gross storage capacity of the reservoir 5.3 million acre feet—across the Mahanadi about nine miles upstream of the town of Sambalpur, gravity and lift canals on either side and two hydro-electric installations.

The project will provide irrigation to 1,004,953 acres of land, generate 350,000 kW and will also provide navigation facilities.

The whole scheme is estimated to cost rupees 92 crores and will earn an annual return of 4.29 per cent on the sum-at-charge.

The proposed expenditure under the Five-Year Plan is Rs. 61 crores.

The Hirakud Dam is now under construction. It is expected that water for irrigation will begin to flow in 1956.

Machkund Scheme.—The construction of the Machkund Hydro-Electric Scheme has been undertaken jointly by the States of Orissa and Andhra.

The Scheme will harness the Duduma water falls on the Machkund river which forms the boundary between Orissa and Andhra in that stretch. A gross head of 840 feet is available there and with the help of a storage reservoir, built to regulate the minimum flow, a power house of 100,000 kW can be installed.

The reservoir will be created by constructing a dam at Jalaput, some 18 miles above the falls, to a height of 134 feet above the bed of the river and it will impound 25,450 million cubic feet of water to supplement the river flow during dry season.

The cost of the scheme is estimated to be Rs. 931.79 lakhs, shared in the ratio of 70 : 30 by Andhra and Orissa respectively, and the power generated will be utilised by the States in that ratio in accordance with an agreement entered into between the States (originally Madras and Orissa).

Power from the project was to be available in 1953. It is transmitted by a 132 kV line to Berhampur via Jeypore and Rayagada and will be made available at present in Koraput and Ganjam Districts.

ASSAM

Assam possesses large potentials of hydro-power. It has roughly been estimated that it should be possible to generate upto four million kilowatts of continuous power in that State by developing eleven sites on different rivers. These projects would involve storage by construction of high dams involving a total reservoir capacity, during monsoon, of 68 million acre feet.

Most of these projects can be designed as multi-purpose schemes for power generation, perennial irrigation, extension and improvement of navigation and flood control.

The Government of India through the Central Waterpower, Irrigation and Navigation Commission has undertaken the investigation of two multi-purpose hydro-electric schemes, i.e., the Dihang and the Manas.

The site of the proposed dam and the reservoir will lie within Bhutan territory.

Air survey of the site has been completed. Economic statistics for 43 villages in the river basin have also been collected and land classification and soil survey for 147 villages have been made. A silt laboratory has also been established.

Rs. 1,71,722 were spent on this work up to 1952.

The State Government has established a small office for purposes of investigation of small rivers and streams for generation of electrical power for local needs.

In one scheme namely the Umtru hydro-electric scheme, the work of collection of data has been completed and now the work of the detailed estimate and design of a power station of 8,000 kW is in progress.

Three 2,000 kW sets are to be installed initially and a fourth to be added at a later date.

The tribal areas near the foot-hills of the Naga, Garo and the Lushai Hills offer possibilities for the installation of small hydro-electric stations for the development of cottage industries.

KASHMIR

As the country-side in Kashmir abounds in small streams and channels, it is considered more feasible to build up small power stations for electrifying suburbs than laying and maintaining long transmission lines over sparsely populated areas.

The headworks of the Jhelum power installation is situated six and a half miles from the power house at Mohora and the main connection between the two is a timber flume. These works and the forebay at the delivery end of the flume have a capacity for carrying water sufficient for the ultimate generation of 20,000 electrical horse-power.

The power house is of sufficient capacity to allow of 15,000 kW generating plant being installed within it. Two transmission lines run side by side as far as Baramulla, 21 miles from Mohora at which point one terminates. The other continues to Srinagar, further 34 miles.

At present it supplies power to Srinagar, Baramulla, Sopore and other villages nearby.

A new hydro-electric-cum-irrigation scheme with the ultimate capacity of 18,000 kW by harnessing the Sindh river at Ganderbal has been taken in hand. The scheme is in progress and is expected to be completed within two or three years.

At Pahalgam a small hydro-electric station of about 186.5-kW exists for the convenience of the visitors there.

The Jammu power house employs four generating sets with a total capacity of 1,125 kW, driven by water turbines.

The necessity for augmenting the power supply in the Jammu area being urgent, a steam turbine driven generating plant of 1,500 kW capacity has been installed at Miran Sahib and connected with Jammu by a 6,000 volt line.

The present supply being inadequate and unreliable the Kashmir Government has been allowed to purchase from the Government of the Punjab about 1,500 kW from Jogindernagar Power Station at an estimated cost of Rs. 23.8 lakhs. This scheme was expected to be completed in 1953.

Schemes pertaining to two hydro-electric power stations at Khirum and Udhampur are under survey.

A small Hydro-Electric installation was set up at Bandipore, a town 40 miles to the north-west of Srinagar, in 1951, by utilising a small irrigation channel emanating from River Madhmali, with a head of 25 feet.

Its present capacity is 30 kW; it might be supplemented by another set of 30 kW.

* Later estimate Rs. 77.8 crores.

The outstanding feature of this small scheme is that it has been financed entirely by the local co-operative stores and the electric light in the locality is supplied on a co-operative system.

UTTAR PRADESH

Ganga Canal Hydro-Electric Grid.—This system supplies power at attractive rates for domestic, industrial and agricultural purposes to 14 districts in the west of the State and to Shahdara in Delhi. Seven of the ten falls available for electrification have been developed and there is a steam power station at Chandausi and Hariduanj with an installed capacity of 19,000 kW.

The Grid has in all 38,000 kW of installed capacity.

A new hydro-electric station at Mohammadpur with an installed capacity of 10,500 kW is under construction. At Hariduanj steam station an additional power plant is also under erection which will raise the installed capacity of the station from 10,000 kW to 20,000 kW. It will supply some 93 towns with current for light and fans and minor industries, energy for irrigation pumping from tube-wells and open wells.

The Ganga Valley State Tube-well Scheme comprises about 2,800 tube-wells, covering the districts of Moradabad, Bijnor, Budaut, Muzaffarnagar, Saharanpur, Meerut, Bulandshahr, Aligarh and Etah, introducing irrigation on the volumetric system over approximately one million acres hitherto without any source of irrigation.

The supply of cheap power from some 2,300 sub-stations is already having an important bearing on the economic disposal of crops and the development of minor industries in the urban centres and rural areas.

Sarda Canal Hydro-Electric Scheme.—This is one of the major schemes the Uttar Pradesh Government have in hand at present. It is proposed to combine into a single drop a number of existing drops on the existing Sarda Canal between its mile 7 and mile 20 and to install a power station near Khatima about 9 miles from Banbassa, the headworks of the Sarda Canal.

The power house will generate 41,400 kW out of which 23,000 kW will be firm power. The cost of construction of the power station including plant, about 12 miles long tail race channel and allied works, is estimated to be Rs. 7 crores approximately.

This project will supply electric power to the Kumaon, Rohilkhand and Oudh divisions for domestic, agricultural and industrial purposes. It will also augment the power supply of the existing Ganga Hydrel Grid.

Pathri Power Station Project.—This will add an installed capacity of 20,400 kW, out of which 8,500 kW will be firm power, on the Ganga Hydro-electric Grid by the construction of a power house on a by-pass power channel at Bahadradab on the Main Ganga Canal.

The project is under construction and is expected to cost approximately Rs. 2.6 crores.

There are several other schemes under consideration, the more important of them being the Pipri Dam and Power Station Project estimated to cost over 29 crores of rupees—Rs. 19.25 crores for dams and Rs. 10 crores for transmission lines—the Yamuna Hydro-Electric Project estimated to cost rupees 21 crores, the Nayar Dam Project estimated to cost rupees 21 crores and the Ramganga Project at a cost of some 22 crores of rupees.

PUNJAB

Bhakra Nangal Project.—The completion of this will turn the Punjab into a regular granary and make it a highly industrialized State. The project is now under construction.

The most important feature of the project is the construction of the 680 feet high Bhakra Dam on the river Sutlej, forming a reservoir with a live capacity of 5,725 million acre feet.

The 90-feet Nangal Dam which is also under construction on the same river about eight miles downstream of the Bhakra Dam will provide necessary storage to smoothen out the diurnal variations in releases from Bhakra Plant and a diversion for the Nangal Hydrel Canal which takes off just above this dam.

The Nangal hydrel canal is designed for a capacity of over 12,500 cusecs, and three power houses, two of which having a head of 98 feet each are under construction on this canal.

The Nangal Dam is quite complete and it is expected that the first two generating sets at Power House I would be ready in 1954-55. Thus it would be possible to commence commercial supply of electricity from this power house by the end of 1952. Power House II was also expected to be ready for commercial supply of power by the end of 1952.

The firm power potential of the project works out to 400,000 kW at 100 per cent factor.

This power will be utilised in the States of the Punjab, Pepsu, Himachal Pradesh, Delhi and Rajasthan.

New irrigation canals of an aggregate capacity of 15,400 cusecs, i.e., Bhakra main line which takes off from the Nangal canal, Bist Donb Canal which takes off at Rupar, and Sidhwan which takes off from the existing Sirhind Canal, are all under construction and will command an area of 6.5 million acres in the States of the Punjab, Pepsu, and Rajasthan, out of which 1.6 million acres is at present virgin waste land.

The annual irrigation expected is 3.6 million acres which will yield 1.13 million tons of food grains and 800,000 bales of cotton.

The project is estimated to cost Rs. 156 crores. The costs chargeable to the irrigation and hydro-electric portions works out to a ratio of 3 to 5.

The proposed expenditure during the Plan period is Rs. 100 crores.

The whole project including the dams and canals is programmed to be completed by 1957-58.

Mangla Scheme.—This project provides for the generation of 10,000 kW of hydro-electric power at Mangla near the Irrigation Branch Head Works on the Upper Jhelum Canal from a head of 30 ft. and minimum flow of approx. 5,000 cusecs in the head reach of the canal. It also provides for the linking of this power station by a double circuit 132 kV line with the 132 kV Grid sub-station at Jhelum which would be constructed under the Rasul Hydrel Scheme.

The hydro-electric works at Jogindranagar on the Uhl River have now five machines all of which can run during the summer. They can supplement the supply of power from the Mangla during the summer, while during the winter the Mangla scheme makes good the deficiency of the Uhl River Scheme.

These two schemes are therefore primarily meant to supplement each other during the low water periods at the respective power stations, thus ensuring a constant supply of additional power all throughout the year. The schemes are estimated to cost Rs. 99.52 lakhs.

Uhl or Mandi.—Situated on a spur of the Dauladhar Range at elevations ranging between 6,000 and 4,000 feet above sea-level, and connected by means of a tunnel over 15,000 ft. long, are the works of what is known as the Uhl River Hydro-Electric or Mandi Scheme which is now operated by the Punjab P.W.D. Electricity Branch.

Due to the extensive nature of the construction works, it was found necessary to build two small temporary hydro-electric power stations one at Dhelu near Shanar and the other at Thujl near the headworks at Brot which were linked together to constitute a combined installed capacity of 1,440 kW.

Shanar Power Station.—The initial installed capacity of Shanar Power Station is 48,000 kW. From the Shanar Power Station energy generated at 11,000 volts is stepped up to 132,000 volts which is the highest voltage adopted for this purpose in the country.

This station supplies sub-stations at Kangra, Pathankhot, Dhariwal and Amritsar.

A single circuit line also runs from Amritsar to Jullundur and is continued at 33 kV to serve Goraya and Ludhiana sub-stations.

From these various sub-stations lines radiate to supply between them the Amritsar Municipality and the Jullundur Electric Supply Co. and also to Kapurthala at two points.

HYDERABAD

Nizamsagar Power Station.—The Nizamsagar Reservoir, located on the Manjira river, is now supplying water for irrigation to a large area.

The discharge into the irrigation channel is being used to generate up to 15,000 kW of power. The bulk of the power will be stepped up to 66,000 volts for transmission to Hyderabad city where an immediate demand exists.

Devanoor Scheme.—Above the Nizamsagar reservoir, the Manjira river makes a wide loop and, by building a dam near Devanoor village it is possible to obtain a head of approximately 375 feet total. The flow will be approximately 1,200 cusecs perennial and power will be developed at two stations along the canal.

The total amount of power available from Devanoor will be approximately 40,000 kW perennial, and this is one of the few schemes available to supply continuous power.

Tungabhadra Schemes.—In conjunction with the Tungabhadra irrigation scheme it is possible to generate over 160,000 kW of hydro power at a number of stations along the canal system.

Plans for a station to accommodate five units of 7,500 kW capacity have been prepared.

At Sivapur, about 10 miles down the irrigation canal, a dam is being constructed. At this dam there is a fall of 80 feet and it is proposed to install three units of 10,000 kW capacity in a station which will be controlled from No. 1 Power Station.

Below Sivapur, there will be another reservoir at Timmapur, where the irrigation requirements can be dropped through 80 feet thus generating about 10,000 kW.

Above this point the canal has been designed for a capacity of 7,000 cusecs, so that power can be generated from this surplus water. The power available will be about 50,000 kW seasonal.

At Ipra, near Raichur, a further power station can be installed with a capacity of about 10,000 kW.

Krishna Schemes.—Two power schemes have been investigated on the Krishna river, one in the upper reaches above the junction with the Tungabhadra and one in the lower reaches where it passes through a range of hills near Devanorkonda.

The upper Krishna will give a capacity of approximately 50,000 kW and the lower station at the lower Krishna about 100,000 kW.

Godavari Scheme.—Apart from these sources, power will be generated on a large scale under the Godavari Valley Development. The Godavari main project will have eleven power sites, large and small. These are at (1) Kawalguda site 45,000 kW, (2) North Bank Canal Developments (four in number) 60,000 kW, (3) South Bank Canal Development (two in number) 40,000 kW, and (4) South Power Branch Development (four in number) 30,000 kW.

The total amount of power generated at these places will be 175,000 kW.

The Godavari Thermal Power Station at Ramagundam forms a part of the larger industrial development of the valley which is rich in natural mineral resources.

The total expenditure up to date is Rs. 12.2 millions on machinery and civil works.

The power station at Hyderabad is to be expanded at a cost of Rs. 5.00 millions so as to raise its capacity to 26,000 kW.

Singareni Collieries supply electricity, through a 33,000 kW transmission line, as a temporary measure to Khammamet, Dornakal, Garla and Mahbulabad.

The hydro-thermal grid system will in course of time electrify the remotest corners of the State.

BHOPAL

To generate electric power badly needed to help industries develop in Bhopal, the Government of Bhopal have prepared for the sanction of the Government of India the Kolar Nadi Hydro-Electric-cum-Irrigation Project, estimated to cost rupees four crores.

A storage reservoir to be constructed across the Kolar Nadi, a tributary of the Narmada, will have a storage capacity of about 390,000 acre feet. The water stored during rains will be utilised, at first, for generating 16,500 kW of electric power. The tail water will be picked up lower down and utilised for irrigating 96,000 acres of land.

RAJASTHAN

The Jawai River Irrigation-cum-Hydro-Electric Project in Jodhpur Division was taken in hand as early as in 1946. Work is in full swing and is expected to be soon completed.

The reservoir across the river Jawai has a capacity of 0.17 million acre feet and besides irrigating some 110,000 acres, will supply water for two generating stations, 1,570 kW maximum output at the canal head and 2,530 kW maximum output at the canal tail where a drop of 92 feet occurs.

The cost of the scheme is estimated at 3.24 crores of rupees.

The Chambal Irrigation and Hydel Development Project (Madhya Bharat and Rajasthan) aims at harnessing the Chambal for irrigation, hydro-electric generation and flood control by

the construction of three dams and one barrage for the benefit of both Madhya Bharat and Rajasthan States.

A dam 100 feet high will be constructed near Chaurisgarh Fort with a storage capacity of 7 million acre feet. Hydro-power to the extent of 28,000 kW to 38,000 kW at 100 per cent load factor will be developed, and the area to be irrigated will be 40,000 acres.

The second dam, 100 feet high near Rawatbhata with a storage capacity of 1.3 million acre feet, will develop 30,000 kW to 40,000 kW power at 100 per cent load factor and will provide irrigation facilities for an area of 10,000 acres.

The third dam 145 feet high will be located near Gaperath and will develop 30,000 kW to 40,000 kW power at 100 per cent load factor.

Total power : about 100,000 kW.

The barrage will be located near Goanari village and the canal taking off therefrom will irrigate one million acres.

The total cost of the scheme is Rs. 38 crores.

The work on the project was started in October 1948.

INSURANCE

INDIAN Insurance encountered a particularly difficult period in the year 1952. The restrictions of bank credit, extreme stringency in the money market, consumers' resistance, and depressing advices from foreign markets, all combined to create a situation akin to depression. There was thus an all round fall in the premium income in all departments in 1952.

It was felt that in the stress of keen competition in business, insurers were not strictly adhering in practice to the spirit of the Insurance Act. Two sets of Regulations called "Code of Conduct", have therefore been evolved one for life offices and the other for general insurers, to help establish better practice in procuring business, strictly in accord with the provisions of the Law. The purport of these Codes is to regulate the business terms and relationship between the insurance offices and their field-workers. As these codes are drawn up by the insurers themselves in consultation with one another and self-imposed, they are helping the Trade to bring about a healthier atmosphere in their business practice.

The Code for the General Insurers came into force on 15th February 1952 and the Code for Life Insurers on 1st January 1953.

Though the Employees State Insurance Act was passed in 1948, and the Employees' State Insurance Corporation was also formed in that year to administer the Health Insurance Scheme, it took over four years to put the scheme into effect. It was to start with introduced in Delhi and Kanpur regions first offering the benefits of health insurance to over one lakh of industrial workers. This took place on the 24th of February 1952. It was extended to the Punjab on the 17th of May 1953.

It is proposed to introduce the Scheme by stages at different industrial centres in India, so that by April 1954, it will cover all places in the Union with a concentration of employees of over 5,000. When fully implemented, it will give a cover to nearly 20 lakhs of industrial workers.

The rate of income-tax applicable to Insurance Companies which was raised to about 65 pacs in the rupee in 1951, has continued at that figure. In assessing taxable income on the basis of "income less expenses", the maximum limit for the allowable expenses for life offices, is 15 per cent of the Renewal Premiums and such

percentage of the First Years' Premiums as is obtained by multiplying the term in years of the corresponding policies by $\frac{7}{8}$ subject to a maximum of 90 per cent. A strong representation has been made to the Finance Ministry from the Trade to accept the limits permitted by the Insurance Rules Nos. 17D and 17E, as the limits for the allowable expenses. In assessing taxable income on the basis of valuation surplus, the portion of the surplus distributed among the policy holders that would be exempted from income-tax, has been raised from one-half to two-thirds. The Select Committee in its Report on the Income-tax Amendment Bill which was before the House of the People, recommended that this ratio should be further raised from two-thirds to four-fifths.

Co-operative Insurance Societies are not liable to income-tax, as per Section 60 of the Income-tax Act. Mutual Life Insurance Offices are now agitating for similar concession and have made a representation to the Taxation Enquiry Commission on the plea that the structure of Mutual Insurers and Co-operative Insurers are in essence and principle almost the same.

(Figures taken from the Government of India Insurance Year Book).

	1948		1949		1950		1951		1952	
Total Number of Companies	339		339		341		334		324	
Total Number of Indian Companies (Mostly Life)	232	Up to 30th Sept. 1948.	231	Up to 7th Oct. 1949.	235	Up to 7th Oct. 1950.	230	Up to 7th Oct. 1951.	222	Up to 7th Oct. 1952.
Total Number of non-Indian Companies (Mostly non-Life)	107		105		106		104		102	
Average Value of new Life Policy Issued by Indian Companies during year	Rs. 2,306		Rs. 2,306		Rs. 2,341		Rs. 2,471		Rs. 2,575	
Average Value of new Life Policy Issued by non-Indian Companies during year	Rs. 6,300		Rs. 6,300		Rs. 6,698		Rs. 7,224		Rs. 7,332	

LIFE BUSINESS

	New Business.					Total Business in Force.				
	1947	1948	1949	1950	1951	1947	1948	1949	1950	1951
Number of Policies Issued..	544,000	486,000	544,000	498,000	471,000	2,936,000	3,025,000	3,303,000	3,280,000	3,414,000
Number of Policies with Indian Companies ..	524,000	467,000	526,000	479,000	452,000	2,707,000	2,791,000	3,074,000	3,049,000	3,179,000
Number of Policies with non-Indian Companies..	20,000	19,000	18,000	19,000	22,000	220,000	234,000	229,000	231,000	235,000
	Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores
Sums Assured (including Reversionary Bonus additions) ..	126.40	119.65	135.35	132.08	132.02	649.07	667.46	739.49	739.49	792.94
Sums Assured with Indian Companies ..	114.06	107.68	123.13	118.38	116.46	547.17	566.38	636.95	635.81	677.02
Sums Assured with non-Indian Companies ..	12.34	11.97	12.22	13.70	15.46	101.90	101.08	102.54	103.68	115.92
Premium Income ..	6.93	6.48	7.47	7.28	7.34	32.81	33.27	37.18	37.70	39.74
Premium Income of Indian Companies ..	6.22	5.77	6.73	6.46	6.38	26.98	27.59	31.16	31.59	33.32
Premium Income of non-Indian Companies ..	.71	.71	.74	.82	.96	5.83	5.68	5.72	6.11	6.42

ANNUITY BUSINESS

	1946 Rs. per annum	1947 Rs. per annum	1948 Rs. per annum	1949 Rs. per annum	1950 Rs. per annum	1951 Rs. per annum
Total Annuity Business in force at end of year	61,70,000	65,35,000	57,49,000	73,25,000	73,05,000	73,82,000
Amount Payable by Indian Companies ..	28,80,000	29,80,000	30,77,000	34,32,000	31,27,000	30,64,000
Amount Payable by non-Indian Companies..	32,90,000	35,55,000	26,72,000	39,03,000	41,78,000	43,18,000
Total New Annuity Business in year..	11,51,000	10,77,000	9,45,000	10,83,000	8,03,000	7,75,000
Share of Indian Companies ..	5,03,000	3,28,000	3,81,000	3,25,000	2,44,000	2,12,000
Share of non-Indian Companies ..	6,48,000	7,49,000	5,64,000	7,58,000	5,59,000	5,63,000

NON-LIFE BUSINESS

	1946	1947	1948	1949	1950	1951
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Total Net Premium Income	11.55 Crores	13.78 Crores	15.08 Crores	16.30 Crores	16.63 Crores	18.36 Crores
Total Net Premium Income of Indian Companies	6.68 "	8.41 "	9.27 "	10.88 "	10.56 "	13.09 "
Total Net Premium Income of non-Indian Companies	4.86 "	5.37 "	5.79 "	5.92 "	6.07 "	5.27 "
Total Fire Premium Income	6.01 "	6.87 "	7.39 "	7.70 "	8.00 "	9.39 "
Total Marine Income	2.21 "	2.90 "	3.64 "	3.78 "	3.83 "	4.12 "
Total Miscellaneous Premium Income	3.32 "	4.00 "	4.03 "	4.82 "	4.80 "	4.85 "

DISTRIBUTION OF COMPANIES

The total number of insurers registered under the Insurance Act, 1938, up to 7th October, 1952 was 324 of which 222 insurers were Indian insurers and 102 were non-Indian insurers.

Of the 222 Indian Insurers, 90 had their head offices in Bombay State, 49 in West Bengal, 32 in Madras State, 19 in Delhi State, 5 each in Punjab and Uttar Pradesh, 8 in Saurashtra, 3 in Hyderabad, 2 each in Mysore, Orissa and Rajasthan, and one each in Ajmer-Merwara, Assam, Bihar, Madhya Bharat and Madhya Pradesh.

Of the 102 non-Indian insurers 66 (including one insurer holding standing contracts with Lloyd's) were constituted in the United Kingdom, 17 in the British Dominions and Colonies, 9 in the United States of America, 3 in Switzerland, 2 each in Pakistan and Africa, and one each in France, Italy and Java.

Most of the Indian insurers carry on life insurance business only. They are 115 in number, and of the remaining 107 Indian insurers, 48 carry on life business along with other insurance business, and 59 carry on insurance business other than life. Of the Indian insurers, 40 are either Mutual Insurance Companies or Co-operative Insurance Societies. Further there are a few pension funds, mostly connected with Government services, and the Postal Insurance Fund which are exempt from the operation of the Insurance Act.

As regards non-Indian insurers, most of them carry on insurance business other than life, 4 carry on life business only, and 13 carry on life business along with other insurance business.

LIFE INSURANCE BUSINESS

The total net new life insurance business effected in India during the year 1951 amounted to 474,000 policies insuring a sum of Rs. 13,292 lakhs and having an annual renewal premium of Rs. 7.34 crores, of which the new business done by Indian insurers amounted to 452,000 policies insuring a sum of Rs. 116.46 crores and having a yearly renewal premium income of Rs. 6.34 crores. The new life business effected by non-Indian insurers amounted to 22,000 policies insuring a sum of Rs. 16.46 crores and having a yearly renewal premium income of 0.96 crores.

The average sum insured per policy under the new policies issued in India by Indian insurers was Rs. 2,575 and under those issued by non-Indian insurers about Rs. 7,332.

The total net life insurance business effected in India and remaining in force at the end of 1951 amounted to 3,414,000 policies insuring a total sum of Rs. 792.94 crores including bonus additions and having an annual premium income of Rs. 39.74 crores. Of this the share of Indian insurers is represented by 3,179,000 policies insuring a sum of Rs. 677.02 crores and having an annual premium income of Rs. 33.32 crores. The share of non-Indian insurers is represented

by 235,000 policies insuring a sum of Rs. 115.92 crores and having an annual premium income of Rs. 6.42 crores.

Some Indian Life Offices have been operating outside India also. The total new sums insured by these offices outside India in 1951 amounted to 17,000 policies insuring Rs. 7.08 crores. The total business remaining in force at the end of 1951 amounted to 214,000 policies insuring Rs. 49.94 crores and having an annual premium income of Rs. 2.42 crores.

The following table shows the New Sums Insured by Indian Life Offices, the Average Sum Insured per policy and the Total Sums Insured in force at the end of the year:—

Year	New Sums Insured.		Total Sums Insured in Force.
	Sum Insured (in crores)	Average sum insured per policy.	Sum insured including bonus additions (in crores).
	Rs.	Rs.	Rs.
1935	32.81	1,565	151.63
1936	37.80	1,532	174.67
1937	41.74	1,520	196.74
1938	46.68	1,498	218.86
1939	46.96	1,511	232.42
1940	35.23	1,685	243.91
1941	36.68	1,841	256.43
1942	37.89	2,193	286.60
1943	65.24	2,258	310.95
1944	95.20	2,206	366.15
1945	122.78	2,128	459.43
1946	131.43	2,205	514.50
1947	114.06	2,177	547.17
1948	107.68	2,306	566.38
1949	123.13	2,341	636.95
1950	118.89	2,471	635.81
1951	116.40	2,575	677.02

The total new annuity business effected during the year 1951 was for the amount of Rs. 7.76 crores, of which the share of Indian insurers was Rs. 2.12 crores. The total annuity business remaining in force at the end of the year was

Rs. 73.82 crores, of which the amount payable by Indian Insurers was Rs. 30.64 crores, and by non-Indian Insurers Rs. 43.18 crores.

The total income of Indian and non-Indian Insurers during 1951, in respect of their life insurance business amounted to Rs. 52.48 crores, while the total outgo was Rs. 37.25 crores.

The total income of Indian and non-Indian Insurers during the year 1951, in respect of their life insurance business was made up of:—

(In lakhs of rupees.)

Particulars of Income.	Indian Insurers.	Non-Indian Insurers.
	Rs.	Rs.
Premium	37.38	6.41
Interest, Dividend and Rents	6.16	1.32
Other Receipts	91	30
Total	44.45	8.03

The total outgo of these insurers during the year in respect of the life insurance business was made up of:—

(In lakhs of rupees.)

Particulars of Outgo.	Indian Insurers.	Non-Indian Insurers.
	Rs.	Rs.
Claims by death	3.58	84
Claims by Maturity	6.41	2.06
Annuities	15	11
Surrender value	1.48	94
Expenses of Management	10.00	1.47
Depreciation and Transfer to Investment Reserves, etc.	8.89	40
Miscellaneous	5	69
Transfer to Shareholders' Reserves and dividends	16	2
Total	30.72	6.53

INTEREST RATE & EXPENSE RATIO

The net rate of interest earned on the mean life insurance funds during the year 1951 by Indian Insurers was 3.30 per cent. Non-Indian Insurers realized 3.10 per cent. The net rates of interest realized on mean life insurance funds by the Indian Insurers in each of five years were as follows:—

Year.	1947	1948	1949	1950	1951
Rate of Interest per annum	3.03	3.02	3.05	3.16	3.30

The total expenses of management of Indian Insurers in respect of life insurance business, expressed as a percentage of the Premium Income during each of five years was as follows:—

Year.	1947	1948	1949	1950	1951
Expense Ratio	30.4	29.0	29.2	28.9	26.8

If the figures of half a dozen Insurers having the largest premium income are excluded, the expense ratio in the case of remaining Insurers would be as under :—

Year.	1947	1948	1949	1950	1951
Expense Ratio ..	35.1	32.4	33.2	32.5	28.2

The net rates of interest realised in India on mean life insurance funds by the non-Indian Insurers in each of five years were as follows :—

Year.	1947	1948	1949	1950	1951
Rate of Interest per annum ..	3.10	3.15	3.01	3.11	3.19

The total expenses of management of non-Indian Insurers in respect of life insurance business in India expressed as a percentage of the premium income during each of five years was as follows :—

Year.	1947	1948	1949	1950	1951
Expense Ratio ..	20.0	21.1	22.0	21.8	23.0

NON-LIFE BUSINESS

The premium income in 1951 of insurers doing fire and other classes of business showed an increase over that in 1950.

The net premium income of all insurers under insurance business other than life insurance during 1951 was Rs. 18.35 crores (Rs. 16.63 crores in 1950) of which the Indian Insurers' share was Rs. 13.09 crores and that of the non-Indian Insurers Rs. 5.26 crores. The total amount was composed of Rs. 9.39 crores from Fire, Rs. 4.11 crores from Marine, and Rs. 4.85 crores from Miscellaneous Insurance business.

The Indian Insurers received Rs. 7.12 crores from Fire, Rs. 2.48 crores from Marine, and Rs. 3.49 crores from Miscellaneous Insurance business.

The expense ratio for Fire, Marine, Miscellaneous were 20, 23 and 27 per cent respectively in 1951 as against 24, 24 and 27 per cent respectively in 1950. Commission ratios in 1951, were 13, 5 and 15 respectively as against 24, 11 and 17. This all round decrease in 1951 is apparently the effect of the Insurance (Amendment) Act, 1950.

Some Indian Insurers who transact fire, marine and miscellaneous insurance business also operate outside India. These insurers had a net premium income of Rs. 6.32 crores in 1951 as against Rs. 4.84 crores in 1950 and Rs. 3.94 crores in 1949.

ASSETS OF INSURERS

The assets of all the Indian Insurers amounted to Rs. 249.82 crores on 31st December 1951, which were held invested in :—

(In lakhs of rupees.)

Particulars.	Amount.
	Rs.
Indian Government Securities ..	1,21,60
Securities of Part "B" States ..	1,61
British, Colonial and Foreign Government Securities ..	4,14
Municipal, Port Trust and Improvement Trust Securities ..	13,74
Mortgages on Property ..	9,98
Loans on Policies ..	14,78
Loans on Stocks and Shares ..	23
Other Loans ..	1,78
Shares in Indian Companies, Co-operatives, etc. ..	34,03
Land and House Property ..	12,48
Agents' Balances, outstanding Premium and Interest, etc. ..	12,44
Deposit, Cash and Stamps ..	15,81
Miscellaneous ..	6,60
Total ..	2,49,82

The following table shows the assets in India of non-Indian Insurers :—

(In lakhs of rupees.)

Insurers constituted in	Total Assets in India of	
	Life or composite companies	Non-life companies.
United Kingdom ..	21,30	2,50
Dominions and Colonies ..	22,32	1,18
U.S.A. ..	..	65
Switzerland ..	59	6
Indonesia ..	..	6
Total ..	44,30	4,44

PROVIDENT INSURANCE SOCIETIES

On September 30, 1952 there were in existence 81 Provident Societies. Of these 30 were in West Bengal, 21 in Bombay State, 14 in Madras, the rest distributed over the other States.

The total new business effected by the societies during the year 1951 amounted to 13,877 policies insuring a sum of Rs. 1,06,94,900. The premium income received during the year on these policies amounted to Rs. 3,69,400. The business in force at the end of the year amounted to 63,097 policies, insuring a total sum of Rs. 3,46,88,700 including bonuses.

The total life insurance fund of these societies at the end of 1951 amounted to Rs. 85,57,000.

The net rate of interest realized on mean life funds of the societies in the year was 3.56 per cent, and the total expenses of management expressed as a percentage of the premium income was 39.2.

INSURANCE AGENTS

Insurance agents constitute an important pillar of the insurance structure. The rapid increase in their number during the last few years, as indicated by the table below, naturally raises the question whether the growth has kept within healthy limits or whether the evil of overcrowding is present in this profession as well.

Year.	1947	1948	1949	1950	1951
Number of Agents.	174,169	170,016	180,787	172,936	177,164

Of the 126,691 licences issued in 1951, 64,200 were fresh and 62,491 were renewals.

With the amendment of Section 42 of the Act, which came into force as from September 1, 1950 licences will be issued for a period of three years as against one year which was the practice followed till then. The fees for fresh licences as well as for renewals have been increased to Rs. 5.

Sec. 42A enjoins employers of insurance agents (Principal, Chief, Special) to be registered. Certificates are issued to them, renewable annually. During 1951, the number of certificates issued, to Principal Agents were 892 fresh and 418 renewal; to Chief Agents, 601 fresh and 43 renewal; to Special Agents, 9,860 fresh and 526 renewals.

SCHEDULED CASTES, TRIBES AND BACKWARD CLASSES

Total No. of Scheduled Castes	51.3 millions
No. in rural areas ..	46.2 "
" " urban areas ..	5.1 "
No. per thousand persons in the country ..	144
No. engaged in agriculture ..	38.1 millions
" " " non-agricultural occupations ..	13.2 "
Total No. of Scheduled Tribes	10.1 millions
No. in rural areas ..	18.6 "
" " urban areas ..	0.5 "
No. per thousand persons in the country ..	54
No. engaged in agriculture ..	17.3 millions
" " " non-agricultural occupations ..	1.8 "

(For population of Scheduled Castes and Scheduled Tribes in individual States see under Population.)

These classes include 779 Scheduled Castes, 215 Scheduled Tribes and 198 nomadic tribes besides a number of unspecified groups.

The new Constitution provides for special safeguards for the Scheduled Castes, Scheduled Tribes and Backward Classes.

The President has defined by means of an order who the Scheduled Castes and Tribes are. A similar list of Backward Classes has to await the detailed findings of the Backward Classes Commission.

For the Scheduled Castes the safeguards take the form, broadly speaking, of reservation of seats in the lower Houses of the legislature and of vacancies in Government services. For the Scheduled Tribes there is a sort of autonomy in parts of Assam, Tribal Councils to watch their interests in some States, while in other States Ministers have been appointed to take charge of Tribal affairs. There are also special grants to be used exclusively for uplift work.

All these special provisions may come up for review by a Commission appointed by the President at any time within ten years after the commencement of the new Constitution. Meanwhile there is an official with the Central Government who is to report to the President from time to time on the working of these provisions.

As regards Backward Classes a Commission has been appointed to enquire into their condition.

The Commission consists of:

Kakasabai Kalkar (*Chairman*), N. S. Kalkolkar, M. P. (Bombay), Bheeka Bhat, M. P. (Rajasthan), Shivalal Singh Chaurasia (U. P.), Rajeshwar Patel, M. P. (Bihar), Abdul Quaiyum Ansari, M. L. A. (Bihar), Lala Jagan Nath (Punjab), Harappa (Mysore), Alma Singh Namdhari, M. P. (West Bengal), Arunangshu Dey (West Bengal: *member-secretary*).

The functions of the Commission are to determine the criteria on the basis of which any particular section can be described as socially or educationally backward, to prepare a list of such Backward Classes for the whole of India, to examine the condition and difficulties of such classes and make specific recommendations (including financial) for their removal.

There is at present a scheme for the award of scholarships to post-matric students.

During 1951-52 a sum of Rs. 8.25 lakhs was sanctioned. Out of this 1,410 scholarships were granted.

A sum of Rs. 3 lakhs was sanctioned for the Scheduled Tribes.

UNTOUCHABILITY CAMPAIGN

The Central Government has sought the assistance of three non-official organizations—Harijan Sewak Sangh, Bharatiya Depressed Classes League, Scheduled Castes Federation—to conduct an anti-untouchability campaign throughout the country.

The Central Government made available Rs. 50 lakhs from the 1953-54 budget allocation to the three organizations, and also to individual States for the eradication of untouchability through approved non-official bodies. All these funds are to be used solely for propaganda against untouchability.

The organizations to whom grants are made are required to raise voluntary contributions at least to the extent of 20 per cent of the amount allotted to them.

On December 30, 1953 the Government of India published a Bill entitled "The Untouchability (offences) Act, 1953". The Bill was to be introduced in the budget session of Parliament in 1954.

It makes the practice of untouchability and enforcement of any disability arising therefrom a cognizable offence punishable with imprisonment upto six months, or fine upto Rs. 500, or both.

It is meant to apply to the whole of India except Jammu and Kashmir and to all communities and not Hindus alone.

In addition to the normal penalties prescribed in the Bill, the court may also cancel or suspend any licence in respect of any profession, trade, calling or employment when an offence is committed under this law during the course of such profession, trade, calling or employment.

Whoever takes any part in the excommunication or imposition of any disability on, any person who refused to practise untouchability or does any act in furtherance of the objects of this new law will also be guilty of an offence.

Under the new law, every place of public worship will be open to every untouchable for worship and for the performance of any religious service or for offering prayers therein in the same manner and to the same extent as it is open to any other person belonging to the same religious denomination or to the same section thereof as the untouchable.

Every such untouchable will be entitled to bathe in, or use the waters of any sacred tank, spring or water-course in the same manner and to the same extent as other persons belonging to the same religious denomination or any section thereof as the untouchables are entitled to.

With regard to removal of social disabilities on untouchables, the Bill provides that no untouchable should on ground only that he is an untouchable be subject to any disability, liability, restriction or condition with regard to access to any shop, public restaurant, hotel or any place of public entertainment or use of river, well, etc., road, passage, etc., or the use of or access to any public conveyance licensed to ply or hire by any authority constituted under any law.

Untouchables will not be refused admission to hospitals, dispensaries, educational institutions or hostels attached to them established or maintained for the benefit of the public, on the ground that they are untouchables.

No person should refuse to sell any goods or refuse to render any service in the ordinary course of business to any untouchable on the ground only that he is an untouchable.

PENALTIES

The clause relating to penalties says that whoever prevents an untouchable from exercising any right conferred by this Act or molests, obstructs or attempts to cause obstruction to an untouchable in the exercise of any such right will be punishable with imprisonment which may extend to six months or with fine which may extend to Rs. 500 or with both.

Provision is also made for the award of a similar punishment to those persons who deny to others the rights to which they are entitled or are a party to the excommunication or imposition of any other disability on others on the ground that they have refused to practise untouchability or have done any act in furtherance of the objects of this Act.

Whoever abets an offence under this section will be liable to the punishment provided for the offence.

If the person committing an offence under this Act is a company, every person, who at the time the offence was committed was in charge of, and was responsible to, the company for the conduct of the business of the company, as well as the company, will be deemed to be guilty of the offence and will be liable to be proceeded against and punished accordingly.

This will not, however, render a person to punishment if he proves that the offence was committed without his knowledge or that he exercised all due diligence to prevent the commission of such offence.

Where an offence under this Act has been committed by a company and is attributable to any neglect on the part of any director or manager, secretary or other officer then the officer will also be deemed to be guilty of that offence and will be liable to be proceeded against and punished accordingly.

If a person who is convicted for an offence under this Act holds a licence in respect of any profession, trade or employment in relation to which the offence is committed, the court trying the offence may, without prejudice to any other penalty to which such person may be liable, direct that the licence should stand cancelled or be suspended for such period as the court may deem fit.

Where the manager or trustee of a place of public worship which is in receipt of a grant of land or money from the Government is convicted of an offence under this Act the Government may, if in its opinion the circumstances of the case warrant such a course, direct the suspension or resumption of the whole or any part of such grant.

The provisions of this Act will have effect notwithstanding anything inconsistent therewith contained in any other law for the time being in force, or any custom or usage.

A member of a Scheduled Caste who has been converted from the Hindu religion to any other religion, notwithstanding such conversion, will be deemed to be an "untouchable" for the purposes of this Act.

An untouchable means a member of a Scheduled Caste as defined in clause 24 of Article 366 of the Constitution, and includes any other person who by custom or usage is regarded as an "untouchable" by any community or section thereof.

LEGISLATION IN FORCE

Below is a list of legislative measures in force in Indian States for removing social disabilities among Hindus:

Bihar: The Bihar Harijan (Removal of Civil Disabilities) Act, 1949, and the Amendment Act, 1951.

Bombay : The Bombay Harijan (Removal of Civil Disabilities) Act, 1947; The Bombay Harijan Temple Entry Act, 1947.

Madhya Pradesh : The C. P. and Berar Scheduled Castes (Removal of Civil Disabilities) Act, 1947; The C. P. and Berar Temple Entry Authorization Act, 1947.

Madras : The Removal of Civil Disabilities Act, 1938; The Madras Temple Entry Authorization Act, and the Amending Act, 1949.

Orissa : The Orissa (Removal of Civil Disabilities) Act, 1946—not cognizable; The Orissa Temple Entry Authorization Act, 1948.

Punjab : The East Punjab (Removal of Religious and Social Disabilities) Act, 1947.

Uttar Pradesh : The U. P. (Removal of Social Disabilities) Act, 1947—not cognizable.

West Bengal : The West Bengal Hindu (Social Disabilities) Removal Act, 1948.

Hyderabad : The Hyderabad Harijan Temple Entry Regulation No. LV of 1358F (1948-49); The Harijan (Removal of Social Disabilities) Regulation No. LVI of 1358F (1948-49).

Madhya Bharat : Harijan Disabilities (Removal) Act, 1949, and the Amendment Act, 1950.

Mysore : The Removal of Disabilities Act, 1943; the Amendment Act of 1948 and 1949; The Mysore Temple Entry Authorization Act, 1948, and Amendment Act, 1949.

Saurashtra : The Removal of Social Disabilities Ordinance, 1948.

Travancore-Cochin : The Travancore-Cochin Temple Entry (Removal of Disabilities) Act, 1950. The United State of Travancore and Cochin (Removal of Social Disabilities) Act, 1950.

Ampur : The U. P. (Removal of Social Disabilities) Act, 1947, extended to the State—not cognizable.

Bhopal : The U. P. (Removal of Social Disabilities) Act, 1947, extended to the State in June 1951—not cognizable.

Bilaspur : The U. P. (Removal of Social Disabilities) Act, 1947, extended to the State in June 1951—not cognizable.

Coorg : The Coorg Scheduled Castes (Removal of Civil and Social Disabilities) Act, 1949; The Coorg Temple Entry Authorization Act, 1949—not cognizable.

Delhi : The Bombay Harijan (Removal of Social Disabilities) Act, 1947, extended to the State.

Uttar Pradesh : The U. P. (Removal of Social Disabilities) Act, 1947, extended to the State in May 1951—not cognizable.

Kutch : The Bombay Harijan (Removal of Social Disabilities) Act, 1947, extended to the State in May 1951.

Tripura : The West Bengal Hindu (Social Disabilities) Removal Act, 1948, extended to the State in May 1951.

Vindhya Pradesh : The U. P. (Removal of Social Disabilities) Act, 1947 extended to the State—not cognizable.

Such of the above Acts as are not shown as 'not cognizable' are cognizable.

REPORT FOR 1952-53

Such legislation to penalize the practice of untouchability, both for the sake of uniformity and to cover those States where there is no such law, was, in fact, recommended by the Commissioner for Scheduled Castes and Tribes, Mr. L. M. Srikant, in his report for 1952 to Parliament.

Untouchability, though forbidden under Article 17 of the Constitution, still persists especially in the rural areas of the country, says the report.

The only States which could be said to be free from the "curse" of untouchability are Assam, Manipur and Tripura.

In West Bengal, too, though the Scheduled Castes are considered officially low, they are not regarded as "untouchables".

Legislative measures taken by the States for the removal of untouchability have not proved very effective.

Where untouchability has not been made a cognizable offence, the reason for the ineffectual nature of legislation is obvious. But even where it is made cognizable legislation has not been of any material help to those for whose benefit it was enacted.

Being economically dependent upon non-Scheduled Castes, the Scheduled Castes have not the courage to break social barriers.

The total eradication of untouchability will take a little time.

The problem of Scheduled Tribes is different from and not as complicated as that of the Scheduled Castes since there is no deep-rooted prejudice against them in society.

After referring to special representation given to Anglo-Indians in Legislatures, the report observes that reservations have been made for them in the railways, customs, postal and telegraph services.

There is, however, a shortage of Anglo-Indians for reserved posts, because of the non-availability of candidates of the requisite qualifications and the new lower scales prescribed. Steps have been taken to recruit more Anglo-Indians.

No complaint, however, was received in this regard.

Special grants for the education of the Anglo-Indian community were also continued by the Central and State Governments.

The report suggests the provision of necessary facilities to the Scheduled Castes and Scheduled Tribes for housing, supply of drinking water, security of land tenure, debt redemption, development of cottage industries, improvement of sanitation, provision of free legal aid and representation in local bodies, panchayats, etc.

While dealing with the living conditions of 'the lowest of the low' the report says that 'in cities and towns civic consciousness is so dormant that Corporations, municipalities and district boards, etc., are very reluctant in providing even the primary amenities of life like decent housing, lighting, water supply, etc. to their migrant, Bhangi and Mahat Harijan employees'.

Large items of expenditure are swallowed up in the construction of luxurious roads and lighting arrangements while the Harijan employee has been relegated to the background under the pretext of financial stringency.

Some of these local bodies do not treat them fairly in the matter of decent conditions of service e.g., maternity leave and permanency of service.

ORIGIN

It was during the Round Table Conference held in London, before the 1935 Government of India Act was finally drafted, that Dr. Ambedkar suggested the term "Scheduled Caste" for all those depressed class people who were not only backward socially, economically and politically but who also suffered from the social disabilities derived from untouchability.

The Government of India (Provincial Legislative Assembly) Orders, 1936 give a list of officially recognized Scheduled Castes.

The aboriginal tribes which were termed Animists in the census of 1911, Forest and Hill Tribes in the census of 1921, Primitive Tribes in the census of 1931 and Backward Tribes in the 13th Schedule of Government of India (Provincial Legislative Assembly) Order,

1936 and finally Tribals in the census of 1941 are now called Scheduled Tribes according to the new Constitution.

It is comparatively easy to define a Scheduled Caste as its distinguishing feature is untouchability but it is more difficult to lay down a uniform criterion for a Scheduled Tribe.

The main object of listing these Castes and Tribes separately in the Government of India Act of 1935 and the present Constitution was to give them special political representation and educational and other facilities.

Every State has a list of Scheduled Castes and Scheduled Tribes for the granting of educational and other facilities. But for political representation the list contained in the Schedule 13 of the Government of India Act (Provincial Legislative Assembly) Orders, 1936 was followed by all the States so far as Provincial Assemblies and Councils were concerned.

The Indian States, prior to the advent of Independence, however, had lists which were haphazardly compiled.

So, when the new Constitution was on the anvil, it was decided that a thorough-going list for Scheduled Castes and Scheduled Tribes should be prepared.

SAFEGUARDS

The Constitution of India has laid down certain safeguards for Scheduled Castes, Scheduled Tribes and Backward Classes or the weaker sections of the people.

In a chapter on Fundamental Rights, under Articles 15, 16 and 17, it has been stated that the State shall not discriminate between any citizens on ground of religion, race, caste, sex or place of birth. This does not prevent the State, however, from framing rules for the reservation of seats in the legislature or of appointments in the public services in favour of any class which is not adequately represented.

Similarly, under Article 19, the right to freedom is circumscribed by authorising the State to place reasonable restrictions for the protection of the interests of Scheduled Tribes.

Under the directive principles of policy, under part I, Article 46 of the Constitution, it is said that the State should promote the educational, economic and political interests of the weaker section of the people and in particular the Scheduled Castes and Scheduled Tribes and protect them from social injustice and all forms of exploitation.

Under Article 17 untouchability is abolished and its practice in any form forbidden.

Article 25 empowers the State to throw open Hindu religious institutions of a public character.

Article 29 provides that no citizen can be denied admission into any educational institution maintained by the State or aided by it on grounds of religion, race, caste or language.

It has been laid down under Article 164, that in the States of Bihar, Madhya Pradesh and Orissa, there should be a Minister in charge of Tribal Welfare who may, in addition, be in charge of the welfare of Scheduled Castes and Scheduled Tribes or any other work of allied nature while in the Part B State of Madhya Bharat there will similarly be a Minister in charge of Tribal Welfare who may, in addition, be in charge of the welfare of Scheduled Castes and Scheduled Tribes or any other work of allied interest.

The Vth and VIIIth Schedules of the Constitution under Article 244 also provide for the administration and control of Schedule areas and Scheduled Tribes and of Tribal areas in Assam by providing Tribe Advisory Councils for Tribal areas.

For the promotion of the welfare of Scheduled Tribes and Schedule areas, provision has been made under Article 275 for grants-in-aid to be paid out of the Consolidated Fund of India for such schemes of development as may be undertaken by the States with the approval of the

Government of India for raising the administration of the Schedule areas of the State to the same level as that of the other areas of the State.

Special provision for grants-in-aid has been made in the case of Assam.

Tribes Advisory Councils have been set up in Bihar, Madhya Pradesh, Madras and Orissa.

In the Tribal areas in Assam, District or Regional Councils have to be set up for each autonomous region. Three-fourths of the members have to be elected on a basis of adult franchise.

REPRESENTATION IN LEGISLATURES

Seats are reserved in the House of the People under Article 330 and 332 for Scheduled Castes and for Scheduled Tribes including the Tribal areas and autonomous districts of Assam.

The number of seats reserved in any State bears the same proportion to the total number of seats allotted to that State in the House of the People as the population of Scheduled Castes and Scheduled Tribes in the State or the part of the State bears to the total population of the State.

Similarly in the Legislative Assembly of every State seats are reserved.

The reservation of seats in the House of the People and Legislative Assemblies will cease to have effect on the expiration of a period of ten years from the commencement of the Constitution.

The representation of the Anglo-Indian community in the House of the People and in the Legislative Assemblies of the States by nomination will also cease after ten years.

Under these provisions 72 seats in the House of the People and 477 in the States Legislatures have been reserved for the Scheduled Castes, and 26 seats in the House of the People and 192 in the State Legislatures for the Tribes.

The claims of members of Scheduled Castes and Scheduled Tribes should be taken into consideration according to Article 335 in the making of appointments to services and posts in connection with the affairs of the Union or of a State consistently with the maintenance of the efficiency of the administration.

In order to investigate all matters regarding these safeguards for Scheduled Castes, Scheduled Tribes, Backward Classes and Anglo-Indians, provision has been made in the Constitution under Article 338 for the appointment of a special officer for Scheduled Castes and Scheduled Tribes who is required to report to the President upon the working of these safeguards at such intervals as the President may direct and the President will cause all such reports to be laid before each House of Parliament.

Articles 339 and 340 provide for the appointment of a Commission by the President any time within the expiration of ten years from the commencement of the Constitution to report on the administration of Schedule areas and the welfare of Scheduled Tribes in the States of Parts A and B.

The same Articles also provide for the appointment of a Commission to investigate the conditions of socially and educationally backward classes and the difficulties under which they labour and to make recommendations as to the steps to be taken to remove such difficulties and to improve their conditions, and the grants that should be made for this purpose by the Union or any State.

Now for the purposes of preparing a list of Scheduled Castes and Scheduled Tribes it has been laid down under Articles 339, 341 and 342 that the President, in consultation with the Governor or Rajpramukh of the State, by public notification should specify the castes, races or tribes to be deemed as Scheduled Castes and specify the Scheduled Tribes to be deemed as Scheduled Tribes.

Parliament alone may, by law, include or exclude from this list Scheduled Tribes and Scheduled Castes. The notification of such lists by the President cannot be varied by any subsequent notifications.

This was done through the following orders: The Constitution (Scheduled Castes) Order, 1950; the Constitution (Scheduled Castes) (Part C States) Order, 1951; the Constitution (Scheduled Tribes) Order, 1950; the Constitution (Scheduled Tribes) (Part C States) Order, 1951.

A note may also be added on the results of the general elections.

Of the 98 seats allotted to the Scheduled Castes and Tribes in the House of the People the Congress won 74 seats, the Scheduled Castes Federation 2, the Communists 2, the Akali Party 2, and the Socialist Party (now P.S.P.) 3. Fifteen others were elected either through local parties or as independents.

In the States Assemblies of the 669 total seats for the Scheduled Castes and Tribes the Congress won 461 seats, the Socialists 19, K.M.P.P. 15, Communists 19, Scheduled Castes Federation 14, Akalis 8. The rest of the 133 seats were won by local parties and independents.

(For an analysis for each State see under General Elections).

SCHEDULED CASTES

The main problem of Scheduled Castes is the social disabilities based on untouchability which is deep-rooted in the structure of Hindu society.

Legislative measures making untouchability a cognizable offence and enjoining entry into common Hindu temples have been enacted in Part A States as the Removal of Social Disabilities Act and the Temple Entry Act (pp. 294, 295).

They have been applied to some of the Part B States as well where the Scheduled Castes are badly treated. For instance, there are some Part B and Part C States where they are not allowed to put on shoes, ride on horseback or put on the more expensive type of clothes or silver and gold ornaments, while in many places the Scheduled Castes are not allowed to draw water from the well. Inter-caste dining or inter-caste marriages are out of question.

Propaganda by non-official agencies like the Harijan Sewak Sangh and the Congress has softened down the custom and the habit of untouchability to a considerable extent. Legislative measures helped in keeping up the tempo of the propaganda. Ultimately, it will be propaganda and the public opinion created by it that will put an end to untouchability of every kind.

As a result of scholarships and other privileges granted to them the Scheduled Castes are coming into their own and are supplying leadership for the community. There are, for instance, Ministers in Cabinets and Members of Parliament from Scheduled Castes.

Similarly, in the Government services they are beginning to make headway and some have reached the upper ranks of services.

The worst sufferers are those members of Scheduled Castes who are at the bottom of the social order and are considered as untouchables even among untouchables, castes like Bhangia, Mehtars, Valmikis and Mangs, and so on. That is to say those who are mainly engaged as scavengers or sweepers or in the so-called unclean work of removing dead animals, etc.

It is very difficult to persuade these people to take to education or lead a decent life and also to provide them with decent houses. The period of ten years stipulated in the Constitution may not be long enough to educate them socially and raise them to the level of the other sections of society.

SCHEDULED TRIBES

The Scheduled Tribes live in remote forest regions, chiefly in Bombay, Madhya Pradesh, Bihar, Orissa, West Bengal and Assam.

Different Scheduled Tribes belong to different strata of culture and have different habits, customs and modes of life. The main characteristics which are common to all Scheduled Tribes are, isolation from other communities, primitive life, belief in sorcery and black magic, nomadic habits, and love of drink and dance. It is mostly on hill tops, or valleys or forest areas that the Scheduled Tribes have their habitation.

They have been neglected both by Government and society in general who have, nevertheless, exploited them and, ultimately driven them into the forest regions of the country. The problem is, therefore, quite different from that of the Scheduled Castes.

The foreign Christian Missionaries have tried to improve their lot by starting missions among them as a result of which some leaders like Mr. Jajpal Singh, M.P., have come forward and qualified themselves for membership of Parliament.

There are very few educated or socially conscious people among the Scheduled Tribes who can take their due share in the work of State Assemblies, much less in Government services.

It was very recently that non-official organisations have sprung up in the country for doing ameliorative work among them at the instance of the late Shri Thakkar Bapa who had organised Associations in some States with the help of grants from different State Governments.

It is only the beginning, and there is enormous uphill work to be done before they can catch up with the rest of society. Without adequate support in men and money it is doubtful if this work can be accomplished within a period of ten years stipulated in the Constitution.

In this connection the Bharatiya Adajati Sevak Sangh to which all other institutions doing tribal welfare work are affiliated is doing much useful work.

Backward classes can be listed after the findings of the Backward Classes Commission are available. It will not be easy to list these people as the general condition of the majority of the people in India is also backward, educationally and economically. It will, therefore, be very difficult for the State to provide adequate funds for the improvement of these classes.

From the point of view of the existing production the Tribal area in Assam can be divided into three distinct categories. These are: (1) an area of about 2,000 square miles with a population of 60,000 which is self-sufficient or has even surplus production; (2) an area of 3,700 square miles with a population of 100,000 which has average production; and (3) the balance of about 34,000 square miles with a population of 538,000 which is a deficit area.

At present paddy forms the major crop of the area and it is also the staple food of the people so long as it is available. Millet and maize are next in importance and are grown extensively in the region. Wheat and barley are grown only in some localised areas where climatic conditions are favourable. Next to cereals, the tribal people are accustomed to root crops such as kachru, sweet potato and yams which are cultivated. They are also found in wild condition.

FIVE-YEAR PLAN

The total allotment is Rs. 28.9 crores.

In addition there are Rs. 9 crores by way of grants by the Central Government under Article 271 (1), and Rs. 3 crores for the tribal people in the North-East Frontier Agency.

The foremost needs of the Harijans are housing and education. During the period of the plan the States and the Centre will spend Rs. 10 crores and 4 crores respectively for the amelioration of the condition of the Harijans.

The tribal areas are to be developed. Here the emphasis will be on roads and water supply. The people will be assisted to take to settled

methods of agriculture in preference to shifting cultivation. Among diseases that are to be combated are malaria, skin diseases, leprosy, trachoma and elephantiasis.

The nomadic tribes hitherto treated as criminals are to be weaned away from anti-social behaviour and re-absorbed into normal life.

A five-year development plan for the tribal areas of Assam (8 lakhs of people living in an area of 40,000 sq. miles) estimated to cost Rs. 3 crores, was also drawn up by the Planning Commission.

A major portion of this expenditure, nearly Rs. 1.35 crores, would be spent on development of roads.

It is proposed to spend Rs. 65 lakhs on medical facilities and public health, Rs. 48 lakhs on education, Rs. 32 lakhs on agriculture and Rs. 20 lakhs on forests.

Rs. 83.5 lakhs will be required to implement the first stage of two years.

In the road development programme, it is planned to build nearly 1,400 miles of road in the Mishimi Hills, Abor Hills, Subansiri area, Sela Sub-Agency, Tirap Hills and Naga Hills.

This programme will be co-ordinated with another for strategic roads.

Development of medical and public health services includes opening of 10 hospitals and 30 dispensaries, education and training of students, appointment of malaria and vaccination staff and supply of drugs and medical instruments. It also includes the establishment of a leper colony.

Expenditure on education includes opening of primary and secondary schools, both of the middle and high standard, and also vocational training schools. Emphasis is laid on the establishment of technical schools which are proposed to be opened in each of the six subdivisions in the area.

On agricultural development, the major programme covers the introduction of permanent cultivation in the form of both terrace and wet rice cultivation. Introduction of new and commercial cash crops, supply of improved varieties of seeds, training of agriculturists in improved manurial and cultural practices; supply of tools and implements form other important aspects of the programme.

The existing sericultural activity in the area has to be promoted, and the plan makes a provision for setting up a fully equipped central farm at Pasighat. In view of the future possibilities of sericulture among the tribal people, it is also considered necessary to provide for demonstration and seed-supply centres in the area.

The Planning Commission has allotted one Development Block to this area to be developed on the lines of the general pattern of Community Projects which will be implemented in various parts of the country.

CENTRAL GOVERNMENT GRANTS

The following statement shows the ceilings for grants-in-aid fixed by the Government of India for the State Governments for welfare schemes for the Scheduled Castes, the Scheduled Tribes and Backward Classes for the year 1953-54.

(Rupees in lakhs)

Name of State	Scheduled Tribes	Ex-Criminal Tribes	Scheduled Castes	Other Backward Classes
<i>Part 'A' States :</i>				
Assam	110 00	—	0.50	—
Bihar	21 00	0.50	3 00	2 00
Bombay	12 00	4 00	3 00	—
Madhya Pradesh	19 00	—	2 00	4 00
Andhra and Madras	9.50	4 00	3 00	2 00
Orissa	24 50	1 00	3 00	—
Punjab	6 00	1.50	1.50	—
Uttar Pradesh	—	8 00	3 00	1 50
West Bengal	10 00	0.10	1 00	—
<i>Part 'B' States :</i>				
Hyderabad	5 00	2 00	2 50	1 00
Madhya Bharat	7 00	1 00	2.50	2 00
Mysore	1 00	2 00	2.50	—
PEPSU	—	0.20	1 00	—
Rajasthan	8 00	2 00	2 50	3.50
Saurashtra	1 00	0.50	1.50	1 00
Travancore-Cochin	1 00	—	1 50	—
<i>Part 'C' States :</i>				
Ajmer	3 50	0.10	1 00	—
Bhopal	3.50	0.10	1 00	—
Coorg	0.50	0.05	1 00	—
Delhi	—	—	1 00	—
Himachal Pradesh	0.50	—	1 00	—
Kutch	1.50	0.10	1 00	—
Manipur	9 00	—	0.75	—
Tripura	5 0	—	0.25	—
Vindhya Pradesh	6.50	0.05	2 00	—

The following table shows the same particulars for grants-in-aid to non-official organisations :

(Rupees in lakhs)

Name	Scheduled Tribes	Ex-Criminal Tribes	Scheduled Castes	Other Backward Classes
Vimukta Jati Sevak Sangh of the Servants of the People Society for Delhi Schemes	1 00	—	—	—
Bharatiya Adimjati Sevak Sangh, Delhi 0	—	—	—	0.50
AU-India Backward Classes Federation, New Delhi	—	—	—	1 00

REFUGEES AND REHABILITATION

BELOW we give a few facts and figures. Displaced persons from West Pakistan 49·00 lakhs, from East Pakistan 31·00 lakhs; total 80·00 lakhs.

The distribution of displaced persons among the various States is as follows:

Assam 277,000; Bihar 79,000; Bombay 341,000; Madhya Pradesh 121,000; Madras 10,000; Orissa 21,000; Punjab 2,468,000; Uttar Pradesh 476,000; West Bengal 2,118,000; Hyderabad 4,000; Madhya Bharat 68,000; Mysore 8,000; PEPsU 380,000; Rajasthan 313,000; Saurashtra 61,000; Ajmer 72,000; Bhopal 18,000; Delhi 510,000; Himachal Pradesh 5,000; Kutch 12,000; Manipur 1,200; Tripura 100,000; Vindhya Pradesh 15,000; Andaman and Nicobar Islands 2,000.

REHABILITATION STATISTICS

Below we give some important rehabilitation statistics of D.P. families (figures in lakhs):

Rural Resettlement

1. Number with quasi-permanent allotment ..	4 18
2. Number settled as tenants ..	0 33
3. Number with temporary allotment ..	0 54
Total number of families from West Pakistan settled on land ..	5 05
Total number of families from East Pakistan settled on land ..	3 37
Grand total of families settled on land ..	8 42
Rural loans advanced to displaced families from West Pakistan ..	Rs 8 28 crores
Rural loans advanced to displaced families from East Pakistan ..	.. 11 67 ..
Total rural loans ..	.. 19 95 ..

The total amount of land allotted to displaced families from Pakistan (exclusive of land allotted in Punjab and PEPsU) was 740,952 acres (upto September 1952).

Urban Resettlement

Number of residential units provided for displaced persons from West Pakistan through schemes completed or under implementation:	
Evacuee houses ..	1·70 lakhs
New houses built by Government ..	1 41 ..
New houses built by private parties with Government assistance ..	0 42 ..
Total ..	3·62 ..
Expected houses for displaced persons from West Pakistan:	
Through evacuee houses ..	14 70 ..
Through new construction, completed or under construction ..	9 10 ..
Total ..	23·80 ..

Employment

Number of displaced persons who secured employment through Employment Exchanges ..	1 97 ..
From West Pakistan ..	1 64 ..
From East Pakistan ..	0 33 ..
Number registered ..	8 79 ..
Number of displaced persons placed in Central and State Government services through Employment Exchanges ..	0 80 ..

Training

Number of displaced persons trained ..	0·66 lakhs
Number of displaced persons under training or engaged in business ..	0 16 ..

Education

To West Pakistan displaced students for study in India ..	Rs. 53·40 lakhs
To displaced students studying abroad ..	.. 7·63 ..

Business and Industrial Premises

Total number of units provided to displaced persons from West Pakistan ..	0 57 lakhs
Evacuee shops ..	0·27 ..
Evacuee industrial premises ..	0 02 ..
New shops ..	0 28 ..

Loans

Small Loans:	
To displaced persons from West Pakistan:	
Number of persons to whom sanctioned ..	1·70 lakhs
Amount sanctioned ..	Rs. 11·33 crores
Amount paid ..	.. 10 79 ..
Number of persons to whom paid ..	1·65 lakhs
To displaced persons from East Pakistan:	
Amount sanctioned ..	Rs 4 24 crores
Loans by the Rehabilitation Finance Administration	
Number of displaced persons to whom loans sanctioned ..	0 10 lakhs
Amount sanctioned ..	Rs. 8·67 crores
Amount paid ..	.. 4 89 ..

Property Claims in West Pakistan

Total number of property sheets registered ..	10·30 lakhs
Number of property sheets verified ..	9 73 ..
Under the "small loans schemes", loans up to Rs 5,000 are given to individual applicants.	
Up to September 1952, Rs 11·33 crores were sanctioned to 1 70 lakh displaced persons from West Pakistan. Of this, Rs 10·79 crores were actually paid to 1 65 lakh displaced persons.	
A sum of Rs 4 24 crores was sanctioned for the displaced persons in the east.	

Education

The Government of India were expected to spend Rs. 17 lakhs during 1953-54 on grants to disrupted educational institutions from West Pakistan.

On direct assistance to students, Rs. 73 lakhs were to be spent in the shape of grants, stipends and freeships.

Rs. 7 lakhs were to be spent on schools and colleges in the townships of Delhi, Faridabad and Rajpura.

Upto the end of March 1953 the Central Government had spent Rs 5 crores on the education of displaced children.

It is estimated that 400,000 students have benefited from the scheme.

A sum of Rs. 1·70 crores has been provided for the financial years 1953-54 to 1955-56.

There were 31 regular centres where persons were given technical or vocational training. Some of these were under the Central Government. Others under the State Government.

About 44,600 persons had been trained upto the end of September 1952, 39,600 from West Pakistan and 5,000 from East.

About 11,900 persons were under training; 9,900 from West Pakistan and 2,000 from East.

In the centres run by the Ministry of Rehabilitation 8,400 persons had been trained, and 1,700 were receiving training.

Ten townships planned and executed as part of rehabilitation of displaced persons are as follows (number in brackets denotes target population): Faridabad (Punjab) (40,000), Gandhidham (Kutch) (75,000), Rajpura (PEPSU) (15,000), Nilokheri (Punjab) (10,000), Tripuri (PEPSU) (8,000), Sardarnagar (30,000), Uthmanagar (Bombay) (130,000), Govindpur, also called Modinagar (U.P.) (30,000), Hastinapur (U.P.) (10,000), Chandigarh (Punjab) (80,000).

Townships planned: Kuberanagar (Bombay) (30,000), Partapnagar (Rajasthan) (20,000), Habra Balgachi (West Bengal) (40,000), Fulia (West Bengal) (5,000).

Relief

Total number of persons receiving dole from the Government ..	1·41 lakhs
Temporary liability ..	0 59 ..
Permanent and semi-permanent liabilities ..	0 76 ..
Kashmiris in Yole camps ..	0·06 ..
Maintenance allowance	
Monthly allowance paid ..	Rs 4 00 lakhs
Number of recipients ..	0 16 lakhs

There are about 76,000 unattached women and children, including old and infirm persons. They are being cared for in homes, camps and infirmaries.

The Ministry of Rehabilitation grant maintenance allowances to widows, unattached women, minors, or such other persons as are unable to earn a living.

This allowance is granted according to a prescribed scale up to a maximum of Rs 100 per month.

The number of unattached women and children and aged and infirm persons and their dependents from West Pakistan resettled in destitute homes and infirmaries was 24,740 on September 30, 1952.

The number from East Pakistan admitted into various destitute homes was 10,206.

The grand total so admitted was 34,946.

The number of persons from West Pakistan not so admitted but receiving gratuities from Government was 12,980.

Camps for displaced persons from West Pakistan have now been closed down.

In West Bengal, dispersal from relief camps still continues. Owing to the rise in the influx of Hindus from East Pakistan, the population in these camps increased to nearly 50,000 by the end of September 1952.

COMPENSATION

In November 1953 the Government of India published its scheme for compensation to five priority categories as follows:

(a) Widows, old and infirm persons in receipt of maintenance allowance; (b) inmates of women's homes and infirmaries; (c) widows who have verified claims in their own names; (d) persons living in certain Government-built townships and colonies; (e) residents of mud hut colonies in the Punjab.

The townships and colonies referred to in category (d) are:

Ulhas Nagar (Kalyan), Sardarnagar (Ahmedabad), Pimpri (Poona), Valivada (Kolhapur), Warashia (Baroda), Malaviya Nagar, Kalkaji and Tilak Nagar (Delhi), Katni (Tilda), Chakarbhata (Bilaspur), Mana (Raipur), Jaripatka (Nagpur), Rajpura, Tripuri (PEPSU), Modinagar, Hastinapur (Meerut), Naini (Allahabad), Ramnagar (Roorkee), Premnagar (Dehra Dun), Alambagh (Lucknow), Govindnagar (Kanpur), Nilokheri (Faridabad), Balragarh (Bhopal) and Gandhidham (Kutch).

Special treatment is given to the inmates of homes and infirmaries to ensure their proper rehabilitation after they have left the homes.

The payment of the interim compensation will also begin with these displaced persons for the same reason.

In the case of these persons the rehabilitation grants will be higher.

For instance, an ordinary priority claimant with a claim of Rs. 2,000 will, under the above table, receive a total payment of Rs. 1,200. But in the case of an inmate of a home or infirmity with a similar claim, the total payment will be Rs. 1,800. This will be made up of Rs. 400 as interim compensation and Rs. 1,400 as rehabilitation grant.

In the case of claims higher than Rs. 5,000, the inmates of homes and infirmaries will receive rehabilitation grants which will be approximately 37.5 per cent more.

Amounts so far paid to displaced persons as maintenance allowance will not be deducted from the interim compensation now due to them.

The following is the scale of the assessed values of urban claims, compensation, rehabilitation grants and the total compensation (in rupees) respectively to be paid under the scheme :-

1,000	200	400	600
2,000	400	800	1,200
3,000	600	1,000	1,600
4,000	800	1,180	1,980
5,000	1,000	1,327	2,327
6,000	1,200	1,454	2,654
7,000	1,400	1,567	2,967
8,000	1,600	1,666	3,266
9,000	1,800	1,758	3,558
10,000	2,000	1,840	3,840
12,000	2,400	1,980	4,380
14,000	2,800	2,097	4,897
16,000	3,200	2,193	5,393
18,000	3,600	2,200	5,800
20,000	4,000	2,144	6,144
22,000	4,400	2,024	6,424
24,000	4,800	1,832	6,632
26,000	5,200	1,576	6,776
28,000	5,600	1,301	6,901
30,000	6,000	1,024	7,024
35,000	7,000	304	7,304
40,000	7,558	N/A	7,558
45,000	7,787	N/A	7,787
50,000	8,000	N/A	8,000

(and over).

There were 10,30,000 property sheets to be verified. Out of these 9,73,113 or 94.5 per cent were verified upto September 1952.

According to the decision taken at the Indo-Pakistan Conference held at New Delhi in April, 1949, Central Claims Organizations were set up in the two countries for the rapid disposal of claims for pensions, provident funds, and leave salaries of government servants and of the States and local bodies, who had migrated from Pakistan to India.

The Indian Central Claims Organization arranges provisional payments to certain categories of displaced persons under the Indo-Pakistan Scheme of Provisional Payment of Pensions and Provident Fund and the Government of India's own interim relief scheme.

The Union Ministry of Rehabilitation has appointed three Regional Settlement Commissioners to work in connection with the payment of compensation to displaced persons, and the allotment of evacuee lands to non-Punjabis and person of non-Punjab extraction having claims for agricultural lands.

K. Mathur (Delhi): Delhi, U.P., Bihar, Rajasthan, M.B., V.P., Ajmer, Bhopal

T. R. Sikund (Jullundur) Punjab, PEPSU, H.P., Bilaspur.

N. S. Varma (Bombay): Bombay, Madras, Andhra, Saurashtra, M.P., Travancore-Cochin, Hyderabad, Mysore, Coorg, Kutch.

TOTAL EXPENDITURE

The following table shows the total expenditure on displaced persons from 1947-52 (Rs. in lakhs).

Nature of Expenditure	On W. Pakistan refugees	On E. Pakistan refugees	Total
Grants.			
1. Relief	4,233.32	1,264.67	5,497.99
2. Rehabilitation	732.97	405.48	1,138.45
Total	4,966.29	1,670.15	6,636.44
Loans.			
1. Urban	1,039.67	454.87	1,494.54
2. Rural	856.20	459.90	1,316.10
3. R.F.A.	318.13	98.77	416.90
Total	2,214.00	1,013.54	3,227.54
Housing.			
1. Loans	2,572.58	877.40	3,449.98
2. Capital outlay on civil works	1,088.31	—	1,088.31
3. Purchase of shares	52.50	—	52.50
Total	3,713.41	877.40	4,590.81
Establishment:			
Ministry of Rehabilitation	69.69	3.13	72.82
Removal of persons contravening provisions of Influx from Pakistan Control Act	0.22	—	0.22
Grand Total	10,963.61	3,564.22	14,527.83

The following figures give the total expenditure at a glance (figures in Rs. crores):

Establishment	0.73
Grants	66.36
Loans	32.28
Housing	45.91
Total	145.28

Expenditure during 1952-53 was Rs. 34.33 crores. Provision in 1953-54 budget was Rs. 32 crores.

REHABILITATION FINANCE CORPORATION

The net amount of loans sanctioned by the Administration upto the end of August 1953 was Rs. 11 crores.

The number of parties to whom loans were sanctioned was over 13,500.

Till the end of June over Rs. 6.23 crores had been disbursed to more than 8,000 applicants.

Of the total amount of Rs. 95 lakhs due on instalments repayable by displaced persons till June 30, 1953 only a little over 48 per cent had been recovered.

In October 1953 the Government of India issued an Ordinance by which the total funds at the disposal of the Administration was increased from Rs. 10 crores to Rs. 14.5 crores.

Of this total Rs. 12.5 crores were to be available for grant of loans directly to displaced persons, and the balance for reimbursement of losses to scheduled banks in respect of loans guaranteed by the Administration.

The Ordinance enables the Government to undertake full guarantee for the losses suffered by the scheduled banks against the 50 per cent provided in the previous Act.

The Ordinance also extends the period of repayment of loans from 10 to 15 years.

Loan Applications up to September 30, 1952 are as follows :—

State of origin of applicants	Applications received	Applications disposed of	Applications sanctioned	In rupees	
				Amount sanctioned	Amount paid
Bahawalpur State	958	492	104	16,39,700	6,85,502
Baluchistan	897	579	193	15,90,500	7,91,256
East Pakistan	18,818	8,843	2,967	2,30,94,350	1,21,86,376
N.-W.F.P.	4,261	1,734	597	47,79,800	28,23,981
Sind and Khairpur State	19,553	9,833	3,132	2,36,99,150	1,10,67,023
West Punjab	19,489	9,015	3,312	3,18,93,700	2,13,78,157
Others	1,695	250			
Total	65,671	31,646	10,395	8,66,97,200	4,89,02,295

The number of persons rehabilitated till the end of 1952 was 197,000.

Till the end of September, refugees from West Pakistan had received Rs. 222.11 lakhs, and those from East Pakistan Rs. 129.22 lakhs.

LOANS BY STATE GOVERNMENTS

The following table shows the loans sanctioned and paid to displaced persons for resettlement in urban areas by the State Governments upto September 30, 1952.

State or agency	Loan sanctioned (in rupees)	Number of borrowers	Loan paid (in rupees)	Number of recipients
Ajmer	21,35,000	3,598	17,85,200	2,063
Bhopal	10,00,000	2,046	9,12,400	2,046
Bombay	1,44,73,300	21,488	1,20,50,100	20,161
Delhi	31,42,400	6,507	31,42,400	6,247
Himachal Pradesh	1,55,800	221	1,53,500	221
Kutch	1,59,800	426	1,59,800	426
Madhya Bharat	68,15,600	9,767	68,15,600	9,767
Madhya Pradesh	1,97,20,400	24,148	1,97,20,400	24,148
Madras	11,95,100	577	11,95,100	535
Mysore	3,80,800	365	2,56,900	288
PEPSU	42,18,200	12,221	42,18,200	12,221
PEPSU Development Board	5,35,000	1,261	5,35,000	1,261
Punjab	3,09,28,200	35,151	2,08,88,300	34,215
Rajasthan	89,35,400	11,277	89,45,800	10,456
Saurashtra	41,19,500	12,740	41,19,500	12,740
Uttar Pradesh	1,33,36,200	25,459	1,29,11,100	24,531
Vindhya Pradesh	20,15,600	2,750	19,74,900	2,732
Total	11,32,67,200	1,70,002	10,78,84,200	1,64,928

CHURCHES IN INDIA

Total No. of Christians 8,157,765*: Roman Catholics 4,500,000†; Protestants 4,374,877‡.

CATHOLIC CHURCH

* The head of the Catholic Church in India is the Cardinal stationed in Bombay.

India is divided into 15 Ecclesiastical Provinces or Archdioceses: Agra, Bangalore, Bombay, Calcutta, Goa, Delhi, Simla, Ernakulam, Hyderabad, Madras, Mysore, Madurai, Nagpur, Pondicherry, Ranchi, Trivandrum, Verapoly.

Each Ecclesiastical Province is in its turn divided into a number of dioceses. Thus Agra is divided into 6 dioceses; Bangalore into 3; Bombay into 3; Calcutta, 8; Delhi-Simla, 2; Ernakulam, 4; Hyderabad, 5; Madras-Mysore, 2; Madurai, 2; Nagpur, 2; Pondicherry, 3; Ranchi, 2; Verapoly, 7.

In all there are 49 dioceses.

At the head of an Ecclesiastical Province or Archdiocese there is an Archbishop. At the head of a diocese there is a Bishop.

The names and addresses are given below:

The Cardinal, His Eminence Valerian Gracias, D.D., M.Agg. (Archbishop's House, Bombay 1.)

Goa

Archbishop of Goa and Daman: H. E. The Most Rev. Dom Jose Vieira Alvernaz (Patriarch of the East Indies, Pao Patriarchal, GOA.)

Ernakulam

Archbishop of Ernakulam: The Most Rev. Mar Augustine Kandathil (Archbishop's House, Ernakulam).

Bishop of Changanacherry: The Rt. Rev. Dr. Mathew Kavukatt, D.D. (Bishop's House, Changanacherry, S. India).

Bishop of Kottayam: The Rt. Rev. Dr. Thomas Tharayil, D.D. (Catholic Bishop's House, Kottayam, S. India).

Bishop of Palai: The Rt. Rev. Dr. E. Sebastian Vayalil (Bishop's House, Palai, S. India).

Bishop of Trichur: The Rt. Rev. Dr. George Alapatt, Ph.D., D.D. (R. C. Bishop's House, Trichur).

Trivandrum

Archbishop of Trivandrum: The Rt. Rev. Mar G. Benedict Varghese, O.I.C. (Archbishop's House, Pattom, Trivandrum).

Bishop of Tiruvalla: The Rt. Rev. Mar Severios, B.A., D.D. (Bishop's House, Little Flower Mount, Tiruvalla P.O., Travancore-Cochin).

Agra

Archbishop of Agra: The Most Rev. Dr. E. Vanni, O.F.M. Cap. (The Cathedral, Agra).

Coadjutor: The Most Rev. Bartholomew Evangelisti, O.F.M. Cap. (Titular Archbishop of Brist).

Bishop of Ajmer: The Rt. Rev. Dr. Leo D'Mello, D.D., (Bishop's House, Ajmer).

Bishop of Allahabad: The Rt. Rev. L. J. Raymond, B.A., D.D., D.C.L., (Bishop's House, 32, Thornhill Road, Allahabad).

Bishop of Indore: The Rt. Rev. Dr. Francis Simons, S.V.D. (Catholic Church, Indore).

Bishop of Lucknow: The Rt. Rev. Dr. Cornad de Vito, O.F.M. Cap. (St. Joseph's Cathedral Hazratganj, Lucknow).

Prefect Apostolic of Gorakhpur: The Rt. Rev. Mgr. Jerome Malenfant, O.F.M. Cap. (R. C. Church, Gorakhpur).

Prefect Apostolic of Jhansi: The Rt. Rev. Mgr. F. X. Fenech, O.F.M. Cap. (52, Cantonments, Jhansi).

Bangalore

Archbishop of Bangalore: The Most Rev. Dr. Thos. Pothanmury, D.D. (Archbishop's House, 20, Miller's Road, Bangalore).

Bishop of Bellary: The Rt. Rev. Dr. John Hogan, O.F.M. (Bishop's House, Bellary Fort).

Bishop of Mangalore: The Rt. Rev. Victor R. Fernandes, D.D., (Bishop's House, Kodiyal-bail, Mangalore 3).

Coadjutor: The Rt. Rev. Dr. Basil Peres, D.D. (Titular Bishop of Gispipa).

Bishop of Mysore: The Rt. Rev. Dr. R. Feuga, D.D. (Bishop's House, Mysore).

Bombay

Archbishop of Bombay: His Eminence Valerian Cardinal Gracias, D.D., M.Agg. (Archbishop's House, Bombay 1).

Bishop of Ahmedabad: The Rt. Rev. Dr. Edwin Pinto, S.J., D.D. (Bishop's House, Dr. Tankaria Road, Ahmedabad 1).

Bishop of Belgaum: The Rt. Rev. Dr. M. J. Rodrigues, D.D. (St. Paul's High School, Belgaum).

Bishop of Poona: The Rt. Rev. Dr. Andrew D'Souza, D.D. (Bishop's House, Poona 1).

Calcutta

Archbishop of Calcutta: The Most Rev. Dr. F. Perier, S.J., D.D. (Archbishop's House, 32, Park Street, Calcutta 16).

Bishop of Dibrugarh: The Rt. Rev. Dr. O. Marcengo, S.D.B., D.D. (Bishop's House, Dibrugarh).

Bishop of Jalpaiguri: The Rt. Rev. Dr. Ambrose Galbiati, D.D. (Catholic Church, Damanpur, P.O. Alipurdwar Junction).

Bishop of Krishnagar: The Rt. Rev. Dr. Louis L. R. Morrow, S.D.B. (Bishop's House, Krishnagar City, W. Bengal).

Bishop of Patna: The Rt. Rev. Dr. A. F. Wildermuth, S.J., D.D. (Bishop's House, P.O. Bankipore, Patna 4).

Bishop of Shillong: The Rt. Rev. Dr. Stephen Ferrando, S.D.B., D.D. (Bishop's House, Shillong).

Prefect Apostolic of Haflong: The Rt. Rev. Mgr. G. Green, C.S.C. (Vandaville Bungalow, Haflong Hill, Cachar Dist.).

Prefect Apostolic of Malda: The Rt. Rev. Mgr. Adam Grassi (Catholic Mission, Rajibpur P.O., Gangarampur, W. Dinajpur).

Prefect Apostolic of Sikkim: The Rt. Rev. Mgr. A. Gianora, C.R. (St. Augustine's, Kalimpong).

Delhi-Simla

Archbishop of Delhi and Simla: The Most Rev. Dr. J. Fernandes, D.D. (Archbishop's House, New Delhi 1).

Prefect Apostolic of Jammu-Kashmir: The Rt. Rev. Mgr. George Shanks (Catholic Church, Hotel Road, Srinagar).

Prefect Apostolic of Jullundur: The Rt. Rev. Mgr. Alban Swarbrick, O.F.M. Cap., (Catholic Church, The Mall, Jullundur Cantt., Punjab (I)).

Hyderabad

Archbishop of Hyderabad: The Most Rev. Dr. Mark Gopu, D.D. (Archbishop's House, 31/1, Alexandra Road, Secunderabad-Deccan).

Bishop of Guntur: The Rt. Rev. Dr. Ignatius Mummadi, D.D. (Bishop's House, P.O. Box 39, Guntur).

Bishop of Nellore: The Rt. Rev. William Bouter, D.D. (Bishop's House, Nellore).

Bishop of Vijayawada: The Rt. Rev. Dr. Ambrose De Battista, D.D. (Bishop's House, Vijayawada).

Bishop of Vishakapatnam: The Rt. Rev. Dr. J. Baud, M.S.F.S., D.D. (Bishop's House, Maharanipet P.O., Visakhapatnam Dist.).

Bishop of Warangal: The Rt. Rev. Dr. Alphonsus Beretta, D.D. (Bishop's House, Fatima-nagar, Kazipet, Hyderabad).

Madurai

Archbishop of Madurai: The Most Rev. Dr. J. P. Leonard, S.J., D.D. (R. C. Archbishop's House, Kosakulam, Pudur, Madurai City).

Bishop of Tiruchirappalli: The Rt. Rev. Dr. Jacob Mendonca, D.D. (Bishop's House, Catholic Mission, Tiruchirappalli).

Bishop of Tuticorin: The Rt. Rev. Dr. Thomas Fernando, D.D. (Bishop's House, Tuticorin).

Madras-Mysore

Archbishop of Madras-Mysore: The Most Rev. Dr. L. Mathias, S.D.B., D.D. (Archbishop's House, Kingsford, Chetpet, Madras 10).

Auxiliary: The Rt. Rev. Dr. F. A. Carvalho, D.D. (Titular Bishop of Demetriade).

Bishop of Coimbatore: The Rt. Rev. Dr. M. Savarinmuthu, D.D. (Bishop's House, Coimbatore).

Bishop of Vellore: The Rt. Rev. Dr. P. Mariaselvam, S.D.B., D.D. (Bishop's House, Vellore).

Nagpur

Archbishop of Nagpur: The Most Rev. Dr. Eugene D'Souza, M.S.F.S. (Catholic Cathedral, Nagpur 1).

Bishop of Raigarh-Ambikapur: The Rt. Rev. Dr. Oscar Sevrin, S.J., D.D. (Catholic Church, Ginnabhar, Kunkuri via Jashpur-nagar, Dt. Raigarh).

Prefect Apostolic of Jabalpur: The Rt. Rev. Mgr. C. Dubbelman, O. (The Prefecture Apostolic, 46, Queen's Road, Jabalpur).

Pondicherry

Archbishop of Pondicherry: The Most Rev. Dr. A. S. Colas, D.D. (Archbishop's House, Pondicherry).

Auxiliary: The Rt. Rev. Dr. R. Ambrose, D.D. (Titular Bishop of Sidon).

Bishop of Kumbakonam: The Rt. Rev. Dr. Peter Francis, D.D. (Bishop's House, Kumbakonam).

Bishop of Salem: The Rt. Rev. Dr. V. S. Selvanathan, D.D. (Bishop's House, P.O. Box 53, Salem).

Bishop of Tanjore: The Rt. Rev. Dr. R. A. Sundaram, D.D. (Bishop's House, P. O. Box 25, Tanjore).

Ranchi

Archbishop of Ranchi: The Most Rev. Dr. N. Kujur, S.J., D.D. (St. Albert's Seminary, P.O. Box 5, Ranchi).

Bishop of Cuttack: The Rt. Rev. Dr. P. Tobars C.M., D.D. (Catholic Church, Cuttack).

Bishop of Sambalpur: The Rt. Rev. Dr. Herman Westermann, S.V.D. (Catholic Church, Kalunga, Orissa).

* Worked out from figures for States in the 1951 census reports.

‡ Figure given by the Executive Secretary, Evangelical Fellowship of India.

† Figure given by the Cardinal's office in Bombay.

Verapoly

Archbishop of Verapoly : The Most Rev. Dr. J. Attipetty, Ph.D., D.D. (Latin Archbishop's House, Ernakulam).

Bishop of Alleppey : The Rt. Rev. Dr. Michael Arattukulam, D.D. (Bishop's House, Alleppey).

Bishop of Calicut : The Rt. Rev. Dr. A. M. Patroni, S.J., D.D. (Bishop's House, Malaparamba, Calicut 6).

Bishop of Cochin : The Rt. Rev. Dr. Alexander Edczhath, D.D. (Bishop's House, Fort, Cochin).

Bishop of Kottar : The Rt. Rev. Dr. T. R. Agni-swamy, S.J., D.D. (Bishop's House, Nagercoil).

Bishop of Quilon : The Rt. Rev. Dr. Jerome Fernandez, D.D. (Bishop's House, Quilon).

Bishop of Travandrum (Latin) : The Rt. Rev. Dr. Vincent V. Dereere, O.C.D. (Bishop's House, Vellayambalam, Trivandrum, S.I.).

Bishop of Vajayapuram : The Rt. Rev. Dr. Ambrose Abasolo, O.C.D., D.D. (Bishop's House, Good Shepherd's, Kottayam).

PROTESTANT CHURCHES

Below are given particulars about Protestant churches in India which may be of interest.

Number of towns and villages where there are Protestant churches or mission stations, over 4,000; Number of towns and villages where there are worshipping groups of Protestant Christians, 25,000; Number of ordained ministers, about 3,000; Number of lay evangelistic workers in the employ of Protestant Christian agencies, over 12,000; Total No. of foreign Protestant workers, 4,377; Total No. of Protestant national workers, 47,814.

Percentage of literacy for Protestants, 21.5 (1941 Census); Number of languages in which the scriptures (Protestant version) are available either wholly or in part, 82; Number of languages in which it is not so available, 55.

Number of Protestant Christian colleges, 43; Total No. of students, 22,278; Number of high schools, 383; Industrial schools, 92; Middle schools, 511; Hospitals, 277; Dispensaries, 278; Leprosy institutions, 70; Tuberculosis sanatoria, 12; Homes for the blind, deaf, 9; Homes for women, 34; Orphanages, 128; Social and welfare organizations, 128; Total No. of Protestant Christian institutions, 2,428.

Church of India, Burma and Ceylon

(Bishop's House, 51, Chowringhee Road, Calcutta 16.)

The Metropolitan and Bishop of Calcutta : A. N. Mukerjee.

There are 11 Dioceses each under a diocesan bishop : 1. Andamans and Nicobars (Bishop's House, Car Nicobar); 2. Assam (Bishop's House, Dibrugarh); 3. Bhagalpur (Bishop's House, Champagnagar, Bhagalpur, Bihar); 4. Bombay (St. John's House, Colaba, Bombay 5); 5. Calcutta (Bishop's House, 51, Chowringhee Road, Calcutta 16); 6. Chota Nagpur (Bishop's Lodge, Ranchi); 7. Delhi (1, Church Lane, New Delhi); 8. Lucknow (Bishop's House, 11, Mahatma Gandhi Marg, Allahabad); 9. Nagpur (Cathedral House, Nagpur); 10. Nasik, (Bombay State); 11. Nandyal (Commissary and Vicar General, Nandyal, Kurnool District). Total No. of Anglican Christians, 2,69,500.

Baptist Churches

Baptist Union of North India : 13, Ludlow Castle Road, Delhi. Total Christian Community : 8,550.

Bengal-Baptist Union : 95-A, Elliot Road, Calcutta

Bengal-Orissa Baptist Yearly Meeting : Balasore, Orissa. Number of Members : 3,709.

Garo Baptist Union : Gauhati, Kamrup Dt., Assam.

Convention of the Telugu Baptist Churches : Picket, Secunderabad.

Goalpara Boro Baptist Union : Bengtol P.O., via Bongaigaon, Goalpara Dt., Assam.

North Goalpara Garo Baptist Union : Bongaigaon, Dt. Goalpara, Assam.

Tripura State Baptist Christian Assembly : Christian Nagar, Agartala, Tripura State.

Convention of the Baptist Churches of the Northern Circars : Avanigadda, Krishna Dt.

Tamil Baptist Churches : Kilpauk, Madras.

Telugu Mennonite Brethren Convention : Devarakonda, Deccan. Communicant membership : 15,000.

Utkal Baptist Central Church Council : Mission Road, Cuttack.

The Church of South India

(Diocesan Office, Cathedral P.O., Madras 6).

Moderator and Bishop of Madras : Most Rev. A. M. Hollis.

Dy. Moderator : Rt. Rev. F. Whittaker (Bishop's House, Old Lancer Lines, Secunderabad).

There are 13 dioceses, each under a diocesan bishop : 1. Coimbatore, 2. Dornakal (Hyderabad); 3. Krishna (Bishop's House, Eluru, West Godavari); 4. Madras (Diocesan Office, Cathedral P.O., Madras 6); 5. Madurai-Ramnad (Bishop's House, Talakulam P.O., Madurai); 6. Medak (Bishop's House, Medak, Deccan); 7. Mysore (Bishop's Lodge, 2, Mission Road, Bangalore 2); 8. North Kerala (College Road, Calicut); 9. Rayalaseema (Cuddapah); 10. Tirunelveli (Bishop-town, Palamcottah); 11. Travancore, Central (Bishop's House, Kottayam); 12. Travancore, South (London Mission Compound, Trivandrum); 13. Tiruchirappalli-Tanjore (48, Puthur High Street, Tiruchirappalli).

Lutheran Churches

(Tranquebar, Tanjore District)

Andhra Evangelical Lutheran Church : P.O. Box No. 2, Guntur, Andhra. Total membership : 2,31,766.

Arcot Lutheran Church : Ulundurpet, S. Arcot.

Evangelical Lutheran Church in Madhya Pradesh : Sagor, M.P.

Evangelical Lutheran Church in East Jeypore : Gunnur, Koraput Dt., Orissa.

Gossner Evangelical Lutheran Church : Ranchi, Bihar.

India Evangelical Lutheran Church : Vaniyambail, N. Arcot.

Jeypore Evangelical Lutheran Church : Koraput, Orissa. No. of Christians : 29,243.

South Andhra Lutheran Church : Kalahasti, Chittoor Dt., Andhra. Baptized membership : 11,000.

Tamil Evangelical Lutheran Church : Tranquebar House, Tiruchirappalli. Total membership : 535,758.

Methodist Churches

Methodist Church in North India : Raniganj, Burdwan, W. Bengal.

Methodist Church in Southern Asia : 9, Fyzabad Road, Lucknow.

There are four presiding Bishops, at Delhi (12, Boulevard Road), Hyderabad, Lucknow (37, Cantonment Road), and Bombay (P.O. Byculla).

The conference areas are Bombay (Robinson Memorial, Byculla), Calcutta (13, Wellington Square, Calcutta 13), Delhi (Mathura, U.P.), Gujarat (Baroda), Hyderabad (Methodist Boys' School), Lucknow (Centennial High School), Madhya Pradesh (Leonard Theological College, Jabalpur), North India (Bareilly), South India (Methodist Mission, Gulburga, Hyderabad).

Total Christian community 4,66,123.

Wesleyan Methodist Church : Dhagadmar, via Pardl, Surat Dt.

Syrian Churches

Chaldean Syrian Church : Trichur, Cochin Communicant members : about 10,000.

Mar Thoma Syrian Church : Sabha Office, Tiruvella, Travancore.

Metropolitan : Metropolitan's House, Tiruvella.

Suffragan Metropolitan : kalaiyayam, Ayroor, Travancore.

Total membership : 2,00,000.

Orthodox Syrian Church : Old Seminary, Kottayam, Travancore. Strength : 4,50,000.

Malabar Independent Syrian Church : Thozhiyoor, Kottapadi P.O., Malabar.

Malankara Syrian Knanaya Diocese : Mar Ephraim Seminary, Chingavanam A.O., Kottayam.

Population : 27,000.

Malankara Jacobite Syrian Church : Trikkunnathu Seminary, Alwayr, Travancore.

Apostolic Legation of the Holy See of Antioch in Malabar : Omalloor, Kaipattor P.O., Travancore.

United Churches

United Basel Mission Church in India : Ullal, South Kanara.

United Church of Northern India : Mission House, Mhow, M.B.

Moderator : The Rt. Rev. J. Kellock, Wilson College, Bombay 7.

There are 6 Synods : Assam (Welsh Mission, Shillong); Bengal and Bihar (16, Elgin Road, Calcutta 20); Gujarat, Rajasthan and Mid-India (Civil Lines, Ajmer); Maharashtra (St. Paul's Manse, Bhandara, M.P.); North India (Mission House, Chitraman, Farrukabad Dt., U.P.); Punjab (126-A, Staff Road, Ambala Cantt., Punjab).

Miscellaneous

Assemblies of God : Uska Bazar, N.-E. Rly., U.P.; Punalur, Travancore-Cochin; Kunniyamuthur, Coimbatore; Ashti, Beed Dt., Hyderabad.

Churches of Christ : Nawa Bhandaria, Palamau Dt., Bihar; Baramati, Poona Dt.

Church of God : Mountain view, Chapel Road, Shillong; Cuttack; Chengannur, Travancore-Cochin; Dondaiche, West Khandesh, Bombay.

MISSIONS IN INDIA

BELOW we give short notes on a number of missions working in India.

BAPTIST SOCIETIES

Baptist Missionary Society of Great Britain.—Formed in 1792, operates mainly in both Bengals, Bihar, Orissa, Uttar Pradesh, the Punjab (India). The Baptist Zenana Mission and the Bible Translation Society have been united with the Society. There are 168 Missionaries and 886 Indian workers. Connected with the Society are 563 Indian Churches, 147 Day and Boarding Schools and 3 Theological Training Colleges. The Church membership at the close of 1952 stood at 34,924 and the Christian community at 82,103.

Educational Work ranges from Primary School to Colleges. Serampore College with its Royal Charter granted by His Danish Majesty in 1827, and confirmed by the British Government in the Treaty of Purchase of the Settlement of Serampore in 1845, grants Theological Degrees to qualified students of all Churches. In Arts and Science the College prepares for the Calcutta University Examinations.

There is a vernacular institute also at Cuttack for the training of Indian preachers and Bible schools in several centres.

There are 10 purely English Baptist Churches connected with the Society. Medical work connected with the Society is carried on in 7 Hospitals. Two large Printing Presses for both English and Vernacular work are conducted at Calcutta and Cuttack. The Secretary of the Mission is the Rev. D. Scott Wells, 41, Lower Circular Road, Calcutta, 16.

The Headquarters of the Mission are at 93-95 Gloucester Place, London, W. 1. The total expenditure of the Society for 1952 amounted to £303,824 of which £115,703 was expended in India, Pakistan and Ceylon.

Canadian Baptist Mission.—Was commenced in 1873, and is located in the Telugu and Oriya Country to the north of Madras, in the Krishna, Godavari, Vizagapatnam, Srikakulam and Ganjam Districts. There are 20 stations and 535 out-stations with a staff of 85 missionaries including 8 qualified physicians, and 1,250 Indian workers, with Gospel preaching in 1,659 villages. Organised Churches number 182, communicants 36,000 and adherents 45,000 for the past year. In the Educational department are 415 village day schools, with 19,000 children, 12 boarding schools, 2 High schools, 2 Normal Training schools, a Bible Training School for Women, a Theological Seminary providing in all for 5,850 pupils. There are 6 hospitals, two leper-asylums and an orphanage. Village Evangelisation is the central feature of the Mission, and stress is laid upon the work amongst women and children. *Field Secretary:* The Rev. E. J. Church, B.A., Yellamanchili, Vizag District.

American Baptist Assam Mission.—Was opened in 1836, and has 11 main stations staffed by about 48 missionaries. There are about 850 native workers, 1,600 organized churches, about 120,000 baptized members, 500 schools of all grades including 4 High, 1 Normal Training, 5 Bible and 9 station schools. There are 4 hospitals and 7 dispensaries which treated about 4,500 in-patients and about 23,200 out-patients yearly. Mission work is carried in 16 languages.

Treasurer:—Miss M. G. Burnham.

Field Secretary:—Rev. A. F. Merrill, Gauhati.

American Baptist Bengal-Orissa Mission.—Commenced in 1836. Area of occupation: Midnapore district of W. Bengal, Balasore District in Orissa and Singhbhum District in Bihar. Work chiefly for Oriya and Santal peoples. *Address:* Kharagpur.

Secretary: Rev. C. C. Rondarmel, 435, Fourth Avenue, Kharagpur (W. Bengal).

Australian Baptist Foreign Mission.—(Incorporated) Embracing the societies representing the Baptist Churches of the States of the Australian Commonwealth. The field of operations is in East Bengal and Assam. The staff numbers 39 Australian workers. There are 7,720 communicants and a Christian community of 13,500.

Secretary, Field Council: The Rev. N. P. Andersen, Mission House, Brisiri, P.O. Hatshilganj, Dist. Mymensingh, E. Bengal, Pakistan.

Strict Baptist Mission.—Has 19 European Missionaries, and 249 Indian workers in Madras, Chingleput, Salem, Ramnad and Tirunelveli Districts. Communicants number 2,126; organised churches 62, Day and Sunday schools 110 with 3,651 pupils.

Secretary: Rev. D. A. Thrower, Panladiptti, Ellarampani Post, Satur, S. R. *Treasurer:* Rev. G. F. Champlon, Kevilpatti, Southern Ry.

PRESBYTERIAN SOCIETIES

Irish Presbyterian Church Mission.—Operates in Gujarat and Saurashtra with a staff of 38 Missionaries, of whom 18 are Clerical, 11 Educationalists, 5 Doctors and 4 Nurses. The Indian staff numbers 410, of whom 15 are Pastors, 85 Evangelists, 40 Biblewomen, and 270 Teachers. There are 25 Organised Churches, a communicant roll of 4,217, and a Christian Community of 11,527.

In Medical work there are 5 Hospitals including one at Dohad and several Dispensaries, with 4,060 in-patients, 22,846 new cases, and a total attendance of 70,994.

The Mission conducts 3 High Schools, 1 Anglo-Vernacular School, 1 Preparatory School at Parantij and 55 Vernacular schools affording tuition for 6,962 pupils; also 1 crèche, 4 Orphanages, an Industrial School at Borsad, a Teachers' Training College for Women at Borsad, co-operates in a United Divinity College at Baroda, and has a Mission Press at Surat.

The Jungle Tribes Mission with 4 Missionaries is a part of the activities of the above, working in the Panch Mahals Dist. and the former Rewa-Kantha areas, with Farm Colonies attached.

Secretary: J. C. Watson, Mission House, Borsad, Kaira Dist.

United Presbyterian Church of North America.—The Sialkot Mission of this Church was established at Sialkot in the Punjab in 1855. It is now carrying on work in one civil district in India and ten in Pakistan. Its missionaries number 88. Its educational work comprises one Theological Seminary, one Bible Women's Training School, one College, 2 Normal Schools, 6 High Schools, one Industrial school, 9 Middle schools and 61 Primary schools. The enrolment in all schools in 1952 was 12,045. Medical work is carried on through 4 Hospitals and 16 Dispensaries. The communicant membership of the Church established is 52,000 and the total Christian community 126,000.

General Secretary: Rev. Harria J. Stewart, D.D., American U.P. Mission, Gujranwala.

American Presbyterian Mission.—Operates in four main sections, known as the Punjab (1834), North India (1836), Western India (1870) Missions, and Pakistan (1950) Missions. According to up-to-date available statistics, the American staff, including women and special-term Missionaries number 235, and the Indian staff about 1,200. There are 33 main stations and 200 out-stations. Organised churches number about 182 of which 42 are entirely self-supporting. There are 26,000 communicants and a total baptised community of about 110,000.

There are three men's colleges including a University College, and interest in Baring College, Batala and in the Isabella Thoburn and Kinnaird Colleges for Women,—students about 4,000. There is one Theological College at Saharanpur

with about 35 students on its roll, and interest in Poona and Jabalpur Theological Colleges and Gujranwala (Pakistan) Seminaries; there are two Training Schools for Village Workers; 19 High Schools; one Industrial School; six Teachers' Training Schools; 109 Elementary Schools; 142 Schools of all grades,—pupils about 18,000.

Medical Work:—Miraj Medical School, and interest in Ludhiana and Vellore Christian Medical Colleges; nine Hospitals, twenty-one Dispensaries and four Specialty Hospitals.

Evangelistic Work:—275 Sunday Schools, with an average attendance of 6,000 pupils. Contributions for this work, on the part of the national church, amount to about Rs. 57,000.

The Hospital at Miraj, is well-known throughout the whole of South-West India, and the Forman Christian College of Lahore, is equally well-known and valued in Pakistan. The Ewing Christian College (S. S. Gideon, Ph.D., Principal), Agricultural Institute (Dr. A. T. Mosher, Principal), Baring Christian College at Batala, Punjab (R. M. Chetling, Principal) and the United Christian Schools at Jullundur (the Rev. G. B. Leeder, Principal) have grown in strength and influence.

Secretary of Council of A. P. Missions in India and Pakistan:—The Rev. H. J. Strickler, M.A., D.D., "Lowriston," Dehra Dun, U.P.

Secretary, North India Mission:—The Rev. C. H. Hazlett, Ed.D., A. P. Mission, Mainpuri, U.P.

Secretary, Punjab (India) Mission:—The Rev. C. H. Lochlin, A. P. Mission, Amritsar.

Secretary, Western India Mission:—The Rev. W. H. Lyon, A. P. Mission, Nipani, Belgam Dist.

Field Representative:—The Rev. John B. Weir, Ph.D., D.D., "Lowriston," Dehra Dun, U.P.

New Zealand Presbyterian Mission.—Commenced as recently as 1910 at Jagadhri, Ambala Dist., Punjab. It also works in Kharar.

United Church of Canada Mission.—Commenced in 1877, has 11 main stations in Madhya Bharat and Southern Rajasthan including Indore, Ratlam, Dhar, Sitamau and Banswara. The Mission staff numbers 69 Canadians and there are in addition about 200 Indian associate workers. The Evangelistic work of the Mission has been handed over to the Malwa Church Council of the United Church of Northern India, which administers the work through an Executive Board composed of both Indian and missionary members. There are 48 organised churches, Communicants 4,102; Baptised non-communicants 19,744; Unbaptised adherents 3,282; Total Christian Community 27,129.

Educational work comprises Elementary and Middle Schools for boys and girls; High Schools for boys and girls, an Arts College for students of both sexes (The Indore Christian College) and a Vocational High School for boys where training is provided in printing, tailoring, carpentry and welding.

There are three General Hospitals, where both men and women are treated, and five Women's Hospitals, and also a number of dispensaries in central and out-stations.

General Secretary of the Mission:—The Rev. R. M. Clark, M.A., B.D., D.Th., Ratlam, Madhya Bharat.

Associate Secretary:—Miss A. B. Munns, B.A., Kharua, Madhya Bharat.

Secretary of Malwa Church Council:—Rev. A. A. Jereny, Neemuch, Madhya Bharat.

Canadian Presbyterian Mission.—Operates in two sections, the Northern Section with headquarters at Jhanai in U.P., and the Central India Section, known as the Bhil Field in the southern corner of Madhya Bharat.

In Central India the Mission comprises within its area Alirajpur, Barwani, Jobat and Kathiawar also parts of Jabnua, Chhota Udaipur (in Bombay State) and Dhar, Indore and Gwalior bordering on the Jobat-Barwani Road. The five central stations are Amkhut, Mendha and Alirajpur located in Alirajpur, Jobat and Barwani. The staff consists of 22 missionaries and 50 Indian workers. There are several elementary schools in the area and a central Anglo-Vernacular School at Amkhut in which upwards of 300 children are being educated. At Amkhut also there is a Children's Nursery Home. At Jobat there is a General 60-bed Hospital with a British Medical man, Dr. Draper in charge.

There are in the district 7 organized and 2 unorganized congregations with a Communicant membership of 450 and a baptised community of slightly over 1,500.

Secretary :—Miss Ellen Douglas, Amkhut, via Dohad, Madhya Bharat.

Secretary, Bhil Field Mission :—Miss I. Williamson, Amkhut, via Dohad, Madhya Bharat.

The Jhansi Section was founded by the late Dr. J. Wilkie in 1904. There is now a staff of 6 missionaries and 25 Indian workers who are engaged in Jhansi city Datia, Gwalior and Man-Ranpur and in the out-stations of Isagarh, Babina, Barwasagar and Chirgaon.

Activities include a Higher Secondary School for Girls, a Bible School and a dispensary. There is an agricultural settlement at Isagarh.

There are two organised churches and several unorganised groups of Christians with a total communicant membership of 305.

Secretary :—A. MacKay C. P. Mission, Jhansi U.P.

Welsh Calvinistic Methodist (Presbyterian) Mission.—Established in 1840 occupies stations in Assam in the Khasi and Jaintia Hills, the Lushai Hills and at Sylhet (Pakistan) and Cachar. The Khasi language has been reduced to writing, the Bible translated, and many books published in that language by the Mission. A large amount of literature has also been produced in the Lushai language. Total in the Church 183,884. Well equipped hospitals at Shillong (Khasi Hills), Jowai (Jaintia Hills) and Durtlang (Lushai Hills) provide medical, surgical and nursing aid to large numbers annually.

Primary, Middle and High School education is carried on widely in Assam. A Theological College and a Department for Teachers' training are maintained at Cherrapunji, Khasi Hills.

Field Secretaries :—Rev. G. H. Morgan, Maulvi Bazar, Dist. S. Sylhet, E. Pakistan; T. M. Thomas, Shillong, Assam, India.

CONGREGATIONAL SOCIETIES

American Board of Commissioners for Foreign Missions.—The American Marathi Mission of this Board operates in Western India. Founded in 1813 it is the oldest American Mission in India. In 1950 it included 24 missionaries and 347 Indian workers operating in 9 stations and 140 out-stations. There were 54 churches with 6,320 communicants. Besides conducting a college with 521 students and 5 secondary and training schools with 1,176 pupils, the Mission has a large share in various union educational enterprises. There are 35 primary schools and 3 kindergartens with a total of 2,004 pupils. Its 3 hospitals and dispensaries treated a total of 21,160 patients. The Mission has a total of 6 major social service centres with 21 full time and 19 part-time workers. During 1949 these Centres had a total activity attendance of 276,983. At Ahmednagar is the pioneer non-profit making Sisal Fibre Industry employing an average of 56 women. *Secretary* :—Rev. R. W. Fairbank, M.A., B.D., Hartland Bungalow, Sholapur.

American Mathurai Mission (of the American Board of Commissioners for Foreign Missions), Church of South India.—Mathurai Ramnad Diocese.—*Bishop*—Rt. Rev. J. E. L. Newbigin, Mathurai. *Manager, Trade School*—Rev. Chas Heineman, Pasumalai. *Principal, Theological Seminary*—Rev. A. Samuel, Pasumalai. *Medical Officer, Pierce Hospital, Hospital for Women and Children*—Dr. H. S. Thomas, Mathurai. *Correspondent, Pasumalai High School*—S. J. Savarirayan. *Headmaster, Pasumalai High School*—A. Michael Ponnusamy. *Correspondent and Headmaster, Pasumalai Training School*—I. Sam. Benjamin. *Correspondent, Pierce High School*—Miss Katie Wilcox. *Headmistress, Pierce High School*—Miss M. Devaraj. *Correspondent, Capron Hall Training School*—Miss P. Paranjothi. *Correspondent, Basic Training School*—Lloyd Lorbeer. *Headmaster, Basic Training School*—A. Venkataswamy. *Manager, Rachanyapuram*—Miss Inez Bosenquet Tallakulam. *Manager and Correspondent, A. C. High School, Tallakulam*—Rev. Panhaj Thomas Tirumangalam. *Principal, American College*—S. J. Savarirayan, Tallakulam. *Secretary, Mission*—L. L. Lotbeer, Pasumalai.

Evangelical Alliance Mission.—The mission staff in Khandesh and Nasik is represented by 80 missionaries and 90 Indian workers. There are 1,403 Church members and 2,456 pupils in Sunday Schools. 40 elementary Schools provide for 1,198 pupils. There is one mission hospital located at Chinchpada, West Khandesh. This hospital and several dispensaries have treated and cared for over 65,396 yearly.

Western India Headquarters :—Amalner, East Khandesh.

Chairman :—Rev. O. E. Meberg, Amalner, East Khandesh.

Secretary :—Rev. F. Wallin, Navapur, W. Khandesh.

London Missionary Society.—Commenced work in India in 1798 and occupies 3 centres in N. India, 12 in S. India and 7 in the United State of Travancore and Cochin. The Mission engages in every form of Missionary activity.

The main centres of the Mission in N. India are at Calcutta and Murshidabad District, W. Bengal. The S. India district and Travancore are divided into Kanarese, Telugu, Tamil and Malayalam fields with 22 stations and 1,095 out-stations. At Nagercoil (Travancore) is the Scott Christian College with about 900 students, a church and congregation said to be the largest in India and a printing press.

The Society is also connected as a contributing body with a number of Union Institutions, including 6 High Schools and 8 Colleges.

India—Field Representative, L. M. S. :—Rev. H. C. Lefever, B.D., Ph.D., 18, Lavelle Road, Bangalore.

Bengal Secretary :—Rev. F. W. Whyte, London Mission, 16, Elgin Road, Calcutta.

LUTHERAN SOCIETIES

India Mission of the United Lutheran Church in America—founded 1842—commonly known as the United Lutheran Church Mission. Since October 1944, all departments of work under the Mission have been placed under the Andhra Evangelical Lutheran Church, Headquarters, Guntur.

OFFICERS OF THE ULCM :—*President* :—E. G. Wood, D.D., Narasaraopet, Lutherigiri, Rajahmundry; *Vice-President* :—Rev. W. P. Pury, Lutherigiri, Rajahmundry; *Secretary* :—Miss Sara Snyder, R.V., Chirala; *Treasurer* :—J. H. Moore, Guntur.

The Andhra Evangelical Lutheran Church was reorganized in the year 1927 and it carries on the work in Srikulam, East Godavari,

West Godavari, Krishna, Guntur, Nellore and Kurnool Districts, all in Madras State as follows :

The Andhra Christian College, Guntur, four High Schools for Boys, three for Girls; two Normal Training Schools for Masters, and two for Mistresses; a Theological College; three Bible Training Schools; two Industrial Homes for Women, one Industrial School and one Agricultural School for Men; 21 Higher Elementary Schools; 789 Elementary Schools; 7 Hospitals, 8 Nurses Training Schools; A School for the Blind; a Tuberculosis Sanatorium; a Printing Press; Public Reading Room and Hostels for College Students both men and women.

The Executive Council which represents both the Mission and the Church with a membership of 17 Missionary and 17 Indians, is the supreme Executive Body of the Church and meets quarterly. The Church functions through 11 Boards known as :—Board of Finance, Board of Inter-Synodical Relations, Board of Evangelism and Missions, Board of Christian Education, Board of Andhra Christian College, Board of Secondary Education, Board of Elementary Education, Board of Publication, Board of Medical Work, Board of Industrial Work, Board of Visantipuram Sanatorium.

Officers of the Church :—*President* :—Rev. A. N. Gopal, M.A., B.D., P. Box 2, Guntur; *Vice-President* :—Dr. Henry H. Moyer, Bilimavaram; *Secretary* :—M. Devasahayam, B.A., B.Ed., B.D.; *Treasurer* :—J. H. Moore, Box 39, Guntur.

Statistics :—Foreign Staff 58; Indian Staff of all grades 4,411; Schools 819; Pupils 72,368; Baptised membership of the Church 239,868; Congregations 2,133; Indian Ordained pastors 129; Evangelistic workers 795; School teachers 2,759; Total expenditures on all phases of work Rs. 60,18,240

Evangelical National Missionary Society of Stockholm, Sweden.—A Church of Sweden Society, founded in 1856, occupies the Districts of Sagar, Betul, Chhindwara and Tahsil of Balkunthpur in Surguja Dist. in Madhya Pradesh.

There are about 4,000 Church members constituted into an indigenous Church called the Evangelical Lutheran Church of Madhya Pradesh. The European and Indian staff numbers 20 and 196 respectively. There are two Training Schools for Indian workers and 26 Primary Hindi Middle and Indian English Middle schools; 35 Sunday schools with 633 Christian and 1,176 non-Christian attending; 3 Hospitals with 60 beds and 8,842 patients and 689 operations during 1951; 10 Dispensaries with 70,077 patients during 1951; 4 Workshops; one Women's Industrial School; one Widows' Home with 36 women; 2 orphanages; 2 Boys' Boarding Schools and 1 Girls' Boarding School with 171 boys and 227 girls and 8 farms where modern village uplift is attempted.

President :—Rev. E. Raman, Sagar, Madhya Pradesh.

Basel Evangelical Mission.—(Incorporated in Switzerland), with its headquarters in Mangalore, South Kanara, was founded in 1834 and is at present carrying on work in South Kanara, South Maharashtra, Malabar and Coorg. It had at the beginning of 1953, a total missionary staff of 25 European workers. The membership of the churches is 30,000. Educational work embraces 100 schools, among which are a Theological Seminary, a second grade college and 9 high schools. The total number of scholars is 25,000. Medical work is done at Betgeri-Gadag, South Maharashtra Country and at Udipi, South Kanara. At both places a hospital for men and women is maintained. The Mission maintains a Home Industrial Department for women's work. There is also connected with the Mission a large Publishing Department with a Book Shop and a Printing Press, with about 100 workers, at Mangalore, S. Kanara, which is doing work in English and in a number of Indian languages.

President and Secretary:—Rev. J. Rossel, Mangalore, South Kanara.

Federation of Evangelical Lutheran Churches in India was established in 1926 as an outward expression of the spiritual unity of the Lutheran Churches in India. It consists of 10 constituent churches and 3 co-operating Missions in India with a total membership of over 550,000. The work of the Federation is carried on by the Triennial Conference of the Federation, by its Executive Council, by a number of standing and special Committees and by its office-bearers. It was registered under the Societies Registration Act (Act XXI of 1880) in October 1942. Including the members of one Lutheran Mission in South India, considering affiliation the Lutheran baptised membership in India is 550,000.

The names of Officers for 1954-56 are as follows:—

President:—The Rev. R. B. Manikam, Ph.D., "The Refuge", Royapuram, Madras 13.

Vice-President:—The Rev. E. Raman, Sagor, M.P.

Secretary:—The Rev. A. N. Gopal, D.D., Church Office, Guntur (Andhra State).

Treasurer:—The Rev. H. W. Mayer, Renigunta, Chittoor Dist. (Andhra State).

Mr. Joseph H. Moore, Guntur, is the liaison officer between the Federation of Evangelical Lutheran Churches in India and the Lutheran World Federation to distribute financial assistance to Orphaned Missions and Churches coming from abroad.

When necessary, the Officers of the Federation serve as Advisory Committee to this Financial Secretary and in case of emergency they have full powers to act.

The Federation started in July 1953, a Theological College in Madras in which 8 of the constituent bodies are co-operating.

This Institution is named as The Gurukul Lutheran Theological College and Research Institute and points its course of study to the granting of B.D. degree.

A further aim is graded research in both Christian and non-Christian religions against the Indian background.

It has a governing council of 11 members and is established at Gurukul, Vepery High Road, Madras.

Its Officers are:

President:—The Rev. C. W. Oberdorfer, D.D., Gudur, Nellore Dist. (Andhra).

Secretary and Principal of College:—The Rev. S. Estborn, D.D., Gurukul, Madras.

Church of Sweden Mission was founded in 1874, but already earlier, Swedish missionaries were working in the Leipzig Evangelical Lutheran Mission (L.E.L.M.). From 1915, the C.S.M. was responsible for the whole L.E.L.M. field, to which German missionaries were allowed to return only in 1927. From 1940, the German field was again managed by the C.S.M. through a special committee upto 1950, when the whole work was merged into the Tamil Evangelical Lutheran Church (T.E.L.C.). Through the T.E.L.C. the C.S.M. operates in the Tiruchirappalli, Coimbatore, Mathurai and Ramnad Districts. It maintains a general and eye hospital at Tirupattur, an eye hospital at Coimbatore, High schools for boys at Mathurai and Pudukkottai, High Schools for girls at Tanjore and Uthampatti, Higher Elementary and Secondary Training Schools at Tranquebar, the Theological College "Gurukul" at Madras, and various Primary Schools. Missionary staff 44.

Field Secretary:—Rev. B. Fr. Tillander, M.A., B.D., Coimbatore.

Leipzig Evangelical Lutheran Mission.—The Lutheran Mission work in India was commenced in 1706 by German Missionaries under the Danish Tranquebar Mission. It was taken up by the L.E.L.M. (founded in 1836) in 1841.

The L.E.L.M. re-entered the work after the Great War in 1927. It is located in the Madras, Chingleput, South Arcot and Tanjore Districts. The Mission co-operates with the Church of Sweden Mission and the Tamil Evangelical Lutheran Church. The L.E.L.M. maintains two High Schools for boys at Madras and Shiyali (Tanjore Dt.), one High School for girls at Tanjore, a number of Elementary Schools for boys and girls in different places, and various other institutions.

Since 1950 the work of the L.E.L.M. has been merged in the Tamil Evangelical Lutheran Church.

The organisation of the L.E.L.M. is looked after by a Field Secretary with headquarters in Sirkali, Tanjore District.

Tamil Evangelical Lutheran Church.—Organised Churches (Pastors) 54; Ordained Indian Ministers 56; other Indian workers 128; Baptized membership 50,162; Schools 188; Teaching staff 961; Pupils: Boys 15,014; Girls 7,198.

President:—Rt. Rev. J. Sandegren, M.A., D.D., C.S.O., Bishop of Tranquebar, "Tranquebar House", Tiruchirappalli, S. India

Missouri Evangelical Lutheran India Mission (M.E.L.I.M.).—Located in Madras State, Mysore, Travancore and Ceylon (1805).

In Madras State, Madras City, North Arcot (Ambur, Vaniyambadi, Pernambut), Salem (Krishnagiri, Hosur, Bargur), Coimbatore (Kollegal), Tirunelveli (Valluvar, Vadakangulam), Tanjore, Tiruchirappalli, Mathurai, Ramnad, Malabar (Waynad, Wandoor Charpalsheri) Districts.

In Mysore (Kolar Gold Fields and Bangalore).

In the United State of Travancore and Cochin (Nagercoil, Trivandrum, Parasala, Balaramapuram, Aryanad, Nilamel, Alleppey, Shertallay, and Cochin).

In Ceylon (Colombo).

There are 33 American Missionaries, of which 2 (1 male and 1 female) are teachers in charge of school and home for children of missionaries (Kodaikanal), 3 Zenana workers; 2 nurses; 1 American doctor.

There are 4 High Schools, 2 Teachers' Training Institutions, 1 Pastors' Training Institution, and 1 Hospital with 120 beds.

Statistics, Nov. 1, 1951: Christians 25,345; Indian Pastors 77; Evangelists 4; Catechists 130; M.E.L.I.M. Teachers 265; Non-Lutheran Teachers 88; Indian Doctors 2; Indian Nurses 10; Bible Women 18; Boarding Homes 12.

General Secretary:—The Rev. M. L. Kretzmann, M.A., Nagercoil, Travancore-Cochin.

Arcot Lutheran Church.—Established 1864 in South Arcot, working there and in North Arcot, on the Shervaroi Hills, in Madras, has a total staff of 483 Indians and 30 European Workers, Communicants 5,562, Christian Community 11,201, two High Schools, 3 Boarding Schools, one Hostel, 70 Elementary Schools and two Hospitals; total scholars 8,563.

President:—The Rev. P. Wandall, Fort St. David, Cuddalore, S.I.

Treasurer:—The Rev. D. Ditch, 14, Rundall's Road, Vepery, Madras.

Secretary:—The Rev. P. Lange, "Carmel", Tiruvannamalai.

INTER-DENOMINATIONAL MISSIONS

Central Asian Mission.—Founded 1902, Head Office: 39, Victoria Street, London, S.W. 1; Representatives: Bandipur, Kashmir, G. Ralph Moan; Kargil, Kashmir, M. H. Mazgoni.

Stations at Bandipur and Kargil.

Protestant, Evangelical, Inter-denominational.

12 European and colonial workers and 2 national workers.

The Friends' Service Council.—The Friends' Service Council works in Hoshangabad District besides Bhopal.

The Church, which is composed of Monthly Meetings united in the Mid-India Yearly Meeting, is largely organised on the lines of the Society of Friends in England.

The principal activities are a general hospital with dispensary and nurses' training department, a Primary School and a High School at Itarsi; a boarding school for girls with Primary and Indian English Middle Departments at Sohagpur; a Home for older girls in Sohagpur where toys are made for sale; a Boys' Hostel at Itarsi for boys attending Middle and High school there. The Council's work also covers two villages in the Seoni Tahsil of the Hoshangabad district in one of which, Makoriya, there is a Mission Farm stretching 300 acres for demonstrating methods of intensive farming and anti-erosion work, and a Primary School.

A Settlement is maintained at Rasulla near Hoshangabad a Centre of a Rural Development Co-operative Society which is handling a large variety of goods; besides work of an educational and social nature is carried on. Wardens, D. G. and E. M. Groom.

There is also a Weavers' Co-operative Society at Khara, Itarsi, where cloth is made on handlooms.

A "Quaker Centre" at 24, Rajpur Road, Delhi, acts as a Christian Cultural Centre for the promotion of adult education and inter-communal harmony and as a meeting place for people interested in the international service of the Society of Friends.

American Friends' Mission.—With Missionaries working in Chhatrapur District, Hospital at Chhatrapur, Orphanage and Boys' High School at Nowgong. Churches and Evangelistic work throughout the district.

Superintendent: Rev. Everett L. Cattell, Chhatrapur, Vindhya Pradesh.

Old Church Hebrew Christian Mission was established in 1858, in Calcutta, and is the only Anglican Hebrew Christian Agency in India. **Hon. Secretary:** The Rev. J. L. Hansen, 11, Mission Row, Calcutta 1.

LADIES' SOCIETIES

Zenana Bible and Medical Mission.—This is an inter-denominational society, with headquarters, 39 Ladbroke Grove, London, W.11, working among women and girls in 5 stations in Bombay State, 6 in Uttar Pradesh, 2 in E. Punjab, 2 in Bihar, 1 in Hyderabad State and 6 in W. Pakistan. There are 60 European Missionaries, and about 400 national workers—teachers, nurses, evangelists, etc. The work includes the training of Indian and Pakistani women as evangelists, teachers, doctors, nurses, dispensers and midwives. There are three Main hospitals at Nasik, Lucknow and Patna, High Schools at Bombay Lahore and Panchgani, a Blind School near Dehra Dun and City Schools of which those at Banaras are the largest. At Lahore there is a University College and a teachers' training centre. Evangelistic work is done in the villages and big cities. Zenana visiting and literacy work are also stressed in rural areas.

Hon. Treasurer:—Major Mainwaring Burton.

President:—The Lady Kinnaird.

Secretary:—A. J. Dain.

Field Secretary:—A. E. Norrish.

Address in India:—I. M. B. O. Office, 364, Hornby Road, Bombay.

Missionary Settlement for University Women was founded in Bombay in 1896. Its work is religious, social and educational. The Settlement supplies a hostel for University students of all nationalities. The Settlement takes part in many of the organised activities for women's work in the city.

Warden :—Miss E. Watts, University Settlement, Reynolds Road, Byculla, Bombay 8.

Staff :—Miss D. H. Hunt, B.A. (London).

Ramabai Mukti Mission (affiliated with the Christian and Missionary Alliance Mission in 1925), the well-known work of the late Pandita Ramabai shelters about 700 deserted wives, widows and orphans, educating and fitting them to earn their living. The Mission is worked on Indian lines and carried on by Indian and European workers. Evangelistic work is carried on in the surrounding villages of Kedgaon, Poona District.

Secretary and Treasurer :—Miss J. I. Craddock.

MISCELLANEOUS

Christian and Missionary Alliance.—Dates from the year 1892 under the name of the International Missionary Alliance, but a number of its missionaries were at work in the district of Berar much earlier. Work is carried on in the areas of Berar, Khandesh and Gujarat. There is a staff of 60 missionaries and 160 Indian workers. The number of mission stations is 18, with additional out-stations. There is a Christian community of 6,750. There are 4 boarding schools, two for boys and two for girls, 3 training schools for Indian workers. There are 35 organized congregations, including one English at Bhusawal.

Executive Secretary :—The Rev. R. H. Smith, Akola, Berar, Madhya Pradesh.

Church of the Brethren (American).—Established in 1894 by American Missionaries and is found in Broach, Surat, Thana and Dangs Districts. At present there are 43 American and 224 Indian personnel on the paid staff. There is a total membership of 9,150. The major activities are educational, medical, evangelistic, temperance, village uplift, co-operative societies, etc. There are 81 primary schools serving a total enrolment of 5,403 pupils. There are 6 co-educational boarding schools with separate hostel quarters. A vocational training college including teachers training, village trades, agriculture and carpentry and a school of practical arts for girls are located at Ankleswar. There are two hospitals and four dispensaries with total yearly treatment of about 50,297.

Secretaries :—Wendell P. Flory, Mission House, Bular, Surat District; P. G. Bhagat, Vocational Training College, Ankleswar, Broach District.

Poona and Indian Village Mission.—Founded in 1893, Mission Stations :—Poona City, Khed Shivapur, Poona District; Nasrapur and Bhor, Poona District; Lonand, M. S. M. Rly., Satara District; Phaitan, Satara District; Pandharpur, Sholapur District; Madha, Sholapur District; Dapoli, Khed, Ratnagiri District; Shetphal, Anjanagaon, Yavale and Nandeshwar, Sholapur District.

The Staff consists of 35 Europeans and 60 Indian workers, including hospital staff, with a community of about 600 Indian Christians and their families. The main work is evangelising in the villages, women's zenana work, and primary education and a baby boy's orphanage and Boys' and Girls' Boarding Schools. Medical work with Hospital at Pandharpur. Mission Headquarters, "Villa Memoire", Irwin Road, Poona 2.

Chairman :—Major R. P. D. Snow.

Secretary :—E. K. Pattemore.

American Churches of God Mission.—Has 8 missionaries at Bogra 3 at Khanjanpur, Via Jaypurhat, Bogra District, East Bengal (Pakistan); 3 at Ulubaria, Howrah District, West Bengal and one in Language Study.

President :—Miss E. M. Catlin, Mission House, Bogra, East Bengal (Pakistan).

Secretary :—Miss Evelyn C. Shuey, Mission House, Ulubaria, Howrah Dist., West Bengal (India).

Anglican Evangelical Missionary Society.—Established by the Government of India Act, XXI of 1860. The Society works in the villages of India and amongst the Indian Labour employed on Estates in Ceylon and Malaya. Work commenced in Malaya in 1935 and in Ceylon in 1938. **British Headquarters** : 15 Newburgh Road, Acton, London, W.3, England.

General Secretary :—The Right Rev. Charles Leslie Saul, D.D.

President :—The Most Rev. J. G. Peters, M.A., D.Litt., D.D., Archbishop of the Indies, Ambur, India. **Address** :—Archbishop's Residence, Ambur, India.

Church of the Nazarene Mission.—Has its headquarters for India at Buldana, Berar, where it has a Junior Bible School. In Chikhli 14 miles from Buldana, there is a Co-educational Boarding School with Secondary Departments and an enrolment of 325. At Basim, Berar, 70 miles from Chikhli there is a Senior Bible School and the Reynolds Memorial Hospital—a hospital for women and children with 45 beds. There is a primary boarding school at Dhad, 18 miles from Buldana and also a dispensary at Pusad 40 miles east of Basim. At present there are 19 missionaries in India. There is an organized Indian District Assembly with about 82 churches. The Indian Staff of preachers and teachers number 75.

Mission Chairman :—Rev. Leslie C. Fritzman, Chikhli, Berar, Madhya Pradesh.

Indian Missionary Society, Tirunelveli (DORNAKAL AND THE HILL TRIBES MISSION).—Opened in 1903, operates in the Warangal District of Hyderabad State as well as among the hill tribes called Pallars in the Travancore Hills. It is the missionary effort of the Christians living in India and overseas. There are now nearly 19,000 Telugu Christians in 180 villages and 250 Faliyar Christians in the hills. Annakkari in Travancore has become a well established colony of the hill tribes. The nomads have begun to do agricultural work. The Society publishes monthly *The Missionary Intelligencer* containing information about the Society's work in both the fields. **Headquarters** : Palamcottah.

Secretary :—Rev. Joseph Abraham, Palamcottah.

Mission to Lepers.—Founded in 1874. An inter-denominational and international Society for the establishment and maintenance of Homes and Institutions for those suffering from leprosy and for their healthy children, working in 20 countries but largely in India, Burma, China and countries in Africa. Its work in India is carried on through co-operation with about 30 Missionary Societies. In India and Burma alone the Mission now has 81 Homes of its own with upwards of 7,600 inmates and is aiding or has some connection with work for leprosy patients at 24 other places in India. Altogether in India and Burma over 10,000 cases of leprosy are being helped.

The Mission also provides for the segregation from their parents of the healthy children of those suffering from leprosy. More than 800 children are thus being saved from becoming infected.

Most of the Mission's income is derived from voluntary contributions. Some funds are raised in India and Burma but the bulk of the money expended by the Mission in India and Burma is received through Britain, although the State Governments give regular maintenance grants.

There is an Indian Auxiliary of the Mission to Lepers of which the Hon. Treasurers are—J. W. N. Baldoek, c/o Messrs. Macneill & Co., 2, Fairlie Place, Calcutta and H. F. Milne, c/o Messrs. Killik Industries, Ltd., Bombay.

The General Secretary of the Mission is A. Donald Miller, 7, Bloomsbury Square, London, W.C.1. The Secretary for India is William Bailey, M.A., Furula (E.E.), Bihar.

Regions beyond Missionary Union.—An inter-denominational Mission commenced at Motihari, Bihar, in 1900. Works in the Champaran, Saran and Furnee Districts. It has 35 European missionaries working in 7 stations and 3 outstations, and runs a hospital and a combined Girls' Orphanage and Women's Home.

Field Superintendent :—Mr. E. W. Oliver, Mission House, Motihari, Champaran Dist., Bihar.

National Missionary Society of India.—Established 1905, founded, financed and managed by Indian Christians; has a staff of 41 missionaries. 200 other workers including volunteers, operates in Firozabad, Dist. Agra; Benaras, Uttar Pradesh; Halughat, Mysensingh Dist., E. Pakistan, Rewa, Korea and Surguja in M. P.; Karwar, Ankola, Kumta and Honavar, N. Kanara Dist.; Poona (Bombay State); Parkal, Nirmal (Hyderabad State); Puram, Chandrapuram, Katteri, Jalarpur and Tirupattur, North Arcot Dist.; Dasarpuram (Tinnaur), Chingleput Dist., Madras State; Kottayam in the United State of Travancore and Cochin; N.M.S. of Ceylon affiliated to the N.M.S. of India.

The Society carries on social, medical, educational, rural uplift, literacy and evangelistic work in 16 main centres in 10 language areas. It is the largest, inter-denominational All India Missionary Society, it has 36 Higher Elementary, Primary, Nursery and Night Schools, 1 High School, 1 Printing Press, 2 Hospitals, 2 Dispensaries and 2 Child Welfare Centres. Annual expenditure including self-supporting institutions Rs. 1,30,435. The expenditure of institutions which are autonomous is not included in the budget.

The Society has two monthly journals—*The National Missionary Intelligencer* in English and *Sveadana Missionary Sangha Deepika* in Tamil—subscriptions Re. 1 and As. 8 respectively—post free.

The Office-bearers for the present triennium 1950-1953 :—

The Rt. Rev. S. K. Mondol, Hyderabad (President); His Grace The Most Rev. Juhanon Mar Thoma, Travancore, The Rt. Rev. Dr. A. J. Appasamy, Colmbatore, the Rt. Rev. J. Amritanand, Assam, Rev. J. Lakra, Ranchi and Dr. H. S. Hensman (Chairman, Executive Committee), Madras (Vice-President), Gnanamani Solomon, Madras (Hony. Treasurer); S. Devaprasad, Madras (Hony. Office Secretary), and S. J. Duraisamy (General Secretary).

The Society is controlled and directed by an All India Council consisting of representatives from Branches, State Committees and Churches from all over the country. The Executive Committee which meets once a month in Madras is responsible for carrying on the administration of the Society subject to the approval of the Council.

Address :—N. M. S. House, Royapettah Madras.

Seventh-Day Adventist Mission.—The Seventh-day Adventists commenced mission work in India in 1893, and now employ a staff of 1,063 workers, European and Indian including 239 ordained and licensed ministers. Evangelistic and educational work is conducted in 39 vernaculars, besides work for English-speaking peoples in the larger cities. For administrative purposes, there are seven branch organisations located as follows :—

Seventh-day Adventist Mission—Burma. (Pastor C. B. Guild, Superintendent). **Office Address** : 68, U Wisara Road, Rangoon, Burma.

Seventh-day Adventist Mission—North-east India. (Pastor D. W. Hunter, Superintendent). **Office Address** : Karnatar, E.E.

Seventh-day Adventist Mission—North-western India. (Pastor A. F. Jensen, Superintendent). **Office Address** : 16, Club Road, Byculla, Bombay 8.

Seventh-day Adventist Mission—South India.—(Pastor O. O. Mattison, Superintendent). Office Address: 9, Cunningham Road, Bangalore.

Seventh-day Adventist Mission—West Pakistan. (Pastor D. S. Johnson, Superintendent). Office Address: 104, Wasir Ali Road, Lahore.

Seventh-day Adventist Mission—Ceylon. (Pastor E. A. Crane, Superintendent). Office Address: 7, Alfred House Gardens, Colombo 3.

The general head-quarters for India, Pakistan, Burma and Ceylon is located at Salisbury Park, Poona. R. H. Pierson, President; J. F. Ashlock, Secretary; M. E. Kemmerer, Treasurer. (Office Address: Post Box 15, Poona). On the same estate is an up-to-date publishing house devoted to the printing of health, temperance, evangelical and associated literature in 22 languages (Address: Oriental Watchman Publishing House, Post Box 35, Poona).

16 vernacular and Anglo-vernacular boarding schools and many elementary day schools are conducted in different parts of the country. A senior college is maintained at Kirkee near Poona. In all the denominational boarding schools increasing emphasis is being laid on vocational work, the students being required to share in the domestic work of the institution, and in many cases, to engage in some trade or other work.

20 physicians, and a number of qualified nurses are employed, regular medical work being conducted at 29 stations.

The baptized membership (adult) is 13,204 organized into 257 churches; and in addition a substantial community of enquirers is receiving systematic instruction. 504 Sabbath Schools are conducted with an enrolled membership of about 22,042. Also over 143,900 are enrolled in the Bible correspondence schools.

The Bombay Address is No. 15, Club Road, Byculla.

Mennonite Church in India.—

President:—P. J. Malagar, Kanker, M.P.

Secretary:—A. K. Biswas, Dhamtari, M.P.

Central India Baptist Mission.—The India branch of the Conservative Baptist Foreign Mission Society, U.S.A. Working in Madhya Pradesh; has a Mission staff of 31 workers, Indian workers 35; Churches 7; Christian Community 600.

Chairman:—Rev. N. Schoon, Ellorhpur, Berar, Madhya Pradesh.

Ceylon and India General Mission.—Established 1892, occupies stations in Mysore State, in the Coimbatore and Anantapur Districts, also in Uttar Pradesh. Mission staff 68; Indian workers 94; Churches 53; Communicants 2,159; Christian Community 5,339; Orphanages 6; Schools 6; Pupils 535.

Head-quarters:—"Mispah," Richards Town, Bangalore.

Secretary-Treasurer:—Rev. J. L. T. Mac Carthy, 7, Pottery Road, Richards Town, Bangalore.

Boys' Christian Home Mission.—The Boys' Christian Home Mission, better known as the B.C. H. Mission, was founded by Albert Norton in 1899, when a severe famine swept the land. The Headquarters of the Mission is Dhond, Poona District.

The main function of the Mission is the care of orphans and at present it is looking after 240 orphans or needy children.

It also runs a day school which has an attendance of 450 children. A little agricultural work is also being carried on.

There are 3 missionaries in the Mission at present and nearly 30 Indian workers. The Mission is evangelical and does evangelistic work in many villages around the main stations.

Director:—Rev. John E. Norton.

Santal Mission of the Northern Churches.—Founded in 1867, works in the Santal Parganas, Birbhum, Murshidabad, Malda, Rajshahi, Dinajpur, Goalpara and Kamrup. Work is principally among the Santals but also among Bengalis, Boros and other races. Mission staff numbers 60, Indian pastors 66, other Indian workers 600, 10 boarding schools with 1,050 pupils, 140 elementary schools with 5,200 pupils, 3 teachers-training schools, 1 industrial school, 1 printing press, 1 orphanage, 3 hospitals, 7 dispensaries, 2 leprosy colonies and 1 tea estate. Secretary, Rev. O. S. Bjerkestrand, Dumka, Santal Parganas, Bihar.

Free Methodist Mission of North America.—Established at Yeotmal, 1891, operating in Yeotmal and Amravati districts in Berar and in Wardha district in Madhya Pradesh with a staff of 14 Missionaries and 45 Indian workers. Organised churches 13, 1 Anglo-Vernacular Middle School, 1 Biblical Seminary, and 3 Primary Schools.

Chairman of the Executive Committee for 1952-53.—Rev. R. N. Davis, Yeotmal, Berar.

Secretary:—Mrs. Muriel A. Davis, Yeotmal, Berar.

The names of some more missions are given below:

BIHARAT CHRISTYA SEWAK SAMAJ, Royapettah, Madras.

BRITISH IN INDIA MISSION, Scottish Churches College, Cornwallis Street, Calcutta.

GONDWARA MISSION, Patpara, Mandla Dt., M.P.

HOME MISSIONARY SOCIETY OF INDIA, Doveton (Orrie Boys School, Vepery, Madras 5.

INDIAN INDUSTRIAL MISSION, Cossipore, Calcutta 2.

INDIA MISSIONARY SOCIETY, Palamecottah, Madras.

METHODIST MISSIONARY SOCIETY, Lucknow Christian College, Lucknow.

MYSORE MISSIONARY SOCIETY, Mysore.

SLUMS OF INDIA MISSION, 15, Salai Street, Vepery, Madras 5.

SOUTH INDIA MISSIONARY SOCIETY, Roblusion Memorial, Byculla, Bombay.

SALVATION ARMY

The work of the Salvation Army in India and Ceylon was commenced in 1882 by the late Commissioner Booth-Tucker and was for many years under his control, with Headquarters in India. For some time now, the areas occupied have been divided for administrative purposes into 6 Territories, each under a Territorial Commander; and one smaller Command. The headquarters for Pakistan are at Lahore.

North-Eastern Territory, with Headquarters at Calcutta.

Western Territory, with Headquarters at Bombay.

Madras and Telugu Territory, with Headquarters at Madras.

Southern Territory, with Headquarters at Trivandrum, in the United State of Travancore and Cochin.

Ceylon Territory, with Headquarters at Colombo.

Burma Command, with Headquarters at Rangoon.

The Audit and Editorial office is at Poona.

The Commanders are directly responsible to the International Headquarters in London.

North-Eastern Territory.—The area in this Territory is the Salvation Army work in the Punjab (India), Uttar Pradesh, Orissa, Bengal and Assam.

Evangelistic work, especially among the "depressed classes," is extensively carried on, in all these areas.

Medical work is carried on in two Hospitals, one of which is in Dariwal, Punjab and the other in Moradabad, Uttar Pradesh; and also in several dispensaries.

There are boarding and day schools, a men's Industrial Home in Calcutta, a Young Women's Hostel, and orphanages for both girls and boys.

Village centres at which the S. A. works

Officers and Employees	1,851
Officers and Employees	746
Social Institutions	7
Boarding and day schools	14

Territorial Headquarters: 37 Dharmatala Street, Calcutta 13.

Territorial Commander:—Colonel Ivar Palmer.

Madras and Telugu Territory.—Embraces Madras City, the Central and Northern districts, Andhra, also Hyderabad and Madhya Pradesh. 853 fully commissioned officers and 284 workers are fully occupied in evangelical, educational and village uplift work carried on in just over 400 villages, a high school with hostels for boys and girls, a Training Institute for men and women selected for officership; a criminal tribes settlement of 2,500 men, women and children—many work at Chirala, the others on the land. A Leprosy Hospital, General Hospital for women and children, though men are also treated, a Social Services Department where wastepaper sorting, etc. is carried on, and a Women's Industrial Home in Madras complete the list of institutions where work is going forward.

Territorial Headquarters:—The Salvation Army, 1C, Kithurdon Road, P.O. Box 453, Vepery, Madras 7.

Territorial Commander:—Colonel Muriel Booth-Tucker.

General Secretary:—Brigadier P. Bhushanam.

Southern India Territory.—The Territorial Headquarters is Trivandrum, the United State of Travancore and Cochin.

In more than 480 corps the majority of officers labour among the village populations. The Army has a membership in South India of some 97,090.

This territory is divided for administrative purposes into 15 divisions and Districts 6 among the Tamil-speaking people and 9 among those who speak Malayalam.

Medical work, also the work of the Leper Hospitals are undertaken. The Catherine Booth Hospital at Nagercoil, is now a fully equipped, modern institution of many departments, dealing with all manner of medical and surgical cases. The Hospital is equipped with X-Ray, radium, iron lung and splendid nursing facilities. Branches from this institution carry the service of the Hospital to some of the most remote regions 157,348 patients were treated during one year in the Catherine Booth Hospital and its several Branches and 1,548 major operations and 2,552 minor operations were performed. Two Leper colonies run one on behalf of the United State of Travancore and Cochin Government, and the other the Evangelical Booth Leper Hospital in North Travancore, have together 565 patients. These two institutions carry on the work ranking with the highest traditions of Christian service.

Workers in the Territory consist of 1,132 Officers, 480 employees. There are, 485 Officers. Corps and 140 Societies, 48 primary day schools, 5 Boarding Schools, 1 Middle School, 1 High School, 1 Training Garrison, 549 Outposts, 1 Women's Industry and 1 Men's Industry.

Territorial Headquarters:—S. A. Kowdya, Trivandrum 3, United State of Travancore and Cochin.

Territorial Commander:—Lt. Commissioner S. Manuel.

Chief Secretary:—Lieut.-Colonel William H. Smith.

Western India Territory.—The Western India Territory comprises Rajputana, Central India, Saurashtra, Bombay State, Goa, Macathas, and Mauritius.

This territory comprises Corps 280; Outposts 876; Social Institutions 21; Day Schools 114; Boarding Schools 4; Training Colleges 2.

Besides the Evangelical operations there are in this Territory, two large Hospitals; the Emery Hospital at Anand, and the Evangeline Booth Hospital at Ahmednagar and a number of Dispensaries. Patients treated at both Hospitals during the year were—Out-patients 77,456, In-patients 8,386; Major Operations performed 1,829, Minor Operations performed 7,036. Both Hospitals are well-equipped and have a Nurses Training School attached.

Social work in Bombay includes the King George V Memorial Infirmary, and Lady Dhunbai Jehangir Home for Destitutes, Industrial and Rescue Home for Women at Matunga, King Edward Industrial Home for Men at Byculla, which incorporates the Loom Factory for the making of Weaving and Warping machines, a Land Colony at Muktipur at which recently a new Engine and Pump was installed for the

supply of water for the irrigation of the land. A well-equipped Red Shield Hostel is situated in the Merowether Road, Fort, Bombay. Accommodation for permanent boarders and for visitors to Bombay may be secured there.

Territorial Headquarters :—P.O. Box 4510, Morland Road, Byculla, Bombay 8.

Territorial Commander :—Commissioner Janet Allan.

Chief Secretary :—Lieut.-Colonel Joseph Dahya.

CHRISTIAN COUNCIL OF INDIA AND PAKISTAN

Objects—1. To stimulate thinking and investigation on missionary questions, to enlist in the solution of those questions the best knowledge and experience to be found in India and other countries; and to make the results available for all Churches and Missions in India.

2. To help to co-ordinate the activities of the State Councils and to assist them to co-operate with each other where such co-operation is desirable.

3. Through common consultation to help to form Christian public opinion and bring it to bear on the moral and social problems of the day.

4. To be in communication with the International Missionary Council regarding such matters as call for consideration or action from the point of view of the Indian mission field as a whole.

5. To make provision for the convening of a National Christian Conference when such is in the opinion of the Council desirable.

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Address :—The National Christian Council, The Christian Council Lodge, Nagpur 1, (Madhya Pradesh).

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ANDHRA STATE

Area : 63,608 sq. miles ; Population : 20,401,192 (1951) ; 18,207,000 (1941).

Capital : Kurnool (temporary).

Districts with District headquarters in brackets :

Anantapur (Anantapur), Chittoor (Chittoor), Cuddappah (Cuddappah), East Godavari (Kakinada), Guntur (Guntur), Krishna (Masulipatnam), Kurnool (Nandyal), Nellore (Nellore), Srikakulam (Srikakulam), Vishakapatnam (Vishakapatnam), West Godavari (Eluru).

Strength of legislature (Legislative Assembly) : 140

Estimate of party strength in Assembly : Congress (53) ; Communists (46) ; K.L.P. (16) ; Independents (13) ; P.S.P. (12).

No. of members from Andhra in the Council of States : 12.

No. of members from Andhra in the House of the People : 28.

The Andhra State came into being on Oct. 1, 1953

It was formed by an Act of Parliament called the Andhra State Act, 1953 which received the President's assent on Sept. 14.

It was formed from the above-mentioned Districts of Madras State and the Alur, Adoni and Rayadurg Taluks of Bellary District in that State.

The Alur and Adoni Taluks were included into Kurnool District, and the Taluk of Rayadurg into Anantapur District.

The decision to form an Andhra State was announced by the Government of India on Dec. 19, 1952.

Mr. Justice K. N. Wanchoo (Chief Justice of Rajasthan) was appointed to report on the financial and other implications of the new State.

This report was presented on Feb. 7, 1953, and the Government of India announced their decision on the Wanchoo Report on March 25, 1953.

The decision was that the new State was to be formed from the eleven undisputed Telugu Districts and the three Talukas of Adoni, Alur and Rayadurg of Bellary District.

Six out of the remaining Taluks of Bellary were to be included in Mysore State as they were mainly Kannada-speaking. The exception was the Bellary Taluka.

About Bellary District, Mr. Justice Wanchoo had reported that it should be included in Andhra territory till such time as a Karnatak State consisting preponderately of Kannada-speaking people was formed.

Alternatively the three Telugu-speaking Talukas of Alur, Adoni and Rayadurg should be allotted to the new State and the remaining seven Talukas should be formed into a separate Bellary District also to be included in the new State with necessary safeguards for the preservation of Kannada language and culture.

The Government of India, however, made a different decision as outlined above about the Bellary District. And to decide the future of Bellary Taluka they wanted a special report.

So on Apr. 21, 1953 the Government appointed Mr. Justice L. S. Misra, Chief Justice of the Hyderabad High Court, to enquire and report. He started working on Apr. 27, and presented his report on May 19. He recommended that the Bellary Taluka should be merged into Mysore since a majority of the people were Kannada-speaking.

The Government of India accepted the recommendation.

So eventually, three Talukas in Bellary District were included in Andhra and the rest

of the seven Talukas were included in Mysore and were formed into a separate District, Bellary in Mysore State.

The figures about Bellary Taluka quoted by Mr. Justice Misra were as follows :

Total population : 171,226 ; Kannada-speaking : 89,925 (52.52 per cent) ; Telugu-speaking : 43,317 (25.29 per cent) ; Others : 37,984 (22.19 per cent).

GEOGRAPHY

The shape of Andhra is rather curious. A long neck with protruding belly would be an apt description. It has a chain of mountains, the Eastern Ghats, running over its entire length on the eastern and northern borders.

There are huge forest areas in Srikakulam, Vishakapatnam and Godavari and Kurnool Districts.

The landscape is varied and rich. It ranges from the smiling ever-green plains of the Godavari and Krishna deltas, the rocky drought-stricken plateau of Rayalaseema, the undulating uplands of Northern Circars to the flat sandy downs in Nellore and Guntur.

The climate is warm and humid or hot and humid according to the season.

The average annual rainfall is highest in the north varying between 45 inches and 50 inches. It gradually decreases to the south and south-west down to about 20 inches.

Two-thirds of the rain is from the south-west monsoon.

The rainfall is erratic both in time and quantity. The smaller the rainfall the more erratic it is.

Srikakulam, Vishakapatnam, parts of Godavari and Nellore suffer from periodic floods and droughts, while the others are more liable to suffer from droughts.

There are no mountains of the type of the Sahyadri range, but there are hills and tablelands scattered throughout the State. Some of the hills are high and are covered with useful forest, some carry scrub jungle, while many are quite bare.

The soils of Andhra consist of the alluvial of the deltas and littoral tracts, red, black and brown soils.

The agricultural value depends on the texture, but there is not much information about productivity. The interesting point is that while the top-soil is being washed away year after year, the remaining soil at the bottom continues to produce in the same measure as before.

There are two major rivers, the Godavari and the Krishna, three medium rivers with a large number of tributaries, and twenty-nine minor and small rivers. It is estimated that together they carry annually 150 million acre ft. of water into the Bay of Bengal.

The Godavari flows for 225 miles through the State before it falls into the Bay of Bengal. Its main tributaries are the Manjira, the Pranahita, the Indravati, and the Sabari. The river drains about 121,500 sq. miles and carries as much as two million cuacs in very high floods.

The Krishna drains 97,000 sq. miles and its flood discharge is about a million cubic feet per second. The total dependable flow is about 39.4 million acre feet. The main tributaries are Tungabhadra, Yerla, Wara and Dudh-ganga.

The medium rivers are the Pennar, the Nagavalli, the Vamsadhara.

AGRICULTURE

The total food production is estimated to be about 8.14 million tons, giving a surplus of about a quarter million tons.

The State will be able to export between 200,000 and 300,000 tons per annum, mostly in rice and a little of millets.

The area of the State is classified as under (the figures which are for 1950-51 are in thousand acres) :

Area : 40,709 ; forests : 7,991 ; Area not available for cultivation : 8,010 ; Other uncultivated land excluding current fallows : 4,548 ; Current fallows : 4,524 ; Net area sown : 15,510 ; Total cropped area : 17,404 ; Area sown more than once : 1,894.

The area under principal crops is as follows (thousand acres) :

Rice 4,241 ; Jowar 2,893 ; Bajra 1,072 ; Maize 28 ; Ragi 637 ; Small Millets 2,043 ; Wheat 8 ; Barley (less than 500) ; Total Cereals 10,897 ; Gram 104 ; Sugar cane 137 ; Tobacco 245.

The production of principal crops in thousand tons is as follows :

Rice 1,807 ; Jowar 534 ; Bajra 207 ; Maize 11 ; Ragi 221 ; Small millets 269 ; Wheat 1 ; Total cereals 3,050.

Gram 16 ; Sugar cane (Gur or Jaggery) 380 ; Tobacco 76 ; Castor 166.

The area under cash crops in thousand acres is as follows :

Groundnut 2,222 ; Castor 166 ; Sesamum 332 ; Rape and Mustard 5 ; Linseed 2 ; Total oilseeds 2,727 ; Cotton 677.

The production of cash crops in thousand tons is as follows :

Groundnuts (Nuts in Shell) 777 ; Castor 13 ; Sesamum 39 ; Rape and Mustard, (less than 500) ; Linseed, (less than 500) ; Total Oilseeds 829 ; Cotton 86.

Mangoes 6 lakh tons ; Oranges 42,000 tons ; Lemons 40,000 tons.

The yield per acre in maunds is as follows :

Rice 11.61 ; Jawar 5.03 ; Bajra 5.37 ; Maize 11.06 ; Ragi 9.43 ; Small millets 3.50 ; Wheat 11.06 ; Gram 4.07 ; Sugar cane (Gur or Jaggery) 75.57 ; Tobacco 8.45 ; Groundnut (Nuts in Shell) 9.52 ; Castor 2.10 ; Sesamum 3.18 ; Rape and Mustard 2.48 ; Linseed 2.32 ; Cotton (Lint) 0.61.

Incidence of Land Revenue assessment on the area and population in acres is as follows

Raiyatwari : 25,612,963 ; Estates : 13,033,885 Total : 38,646,849.

Area not fully assessed : (Raiyatwari) : 11,588,426 ; (Estates) : 6,453,485 ; Total : 18,041,911.

Fully assessed area : (Raiyatwari) : 14,024,537 (Estates) : 6,580,400 ; Total : 20,604,937.

Cultivated : (Raiyatwari) : 10,516,410 ; (Estates) : 3,273,223 ; Total : 13,789,633.

Total revenue from land (excluding cesses (Raiyatwari) : Rs. 2,78,47,226 ; Estates Rs. 65,98,892 ; Total : Rs. 3,44,46,118.

Population : (Raiyatwari) : 11,258,504 ; (Estates) : 8,009,496 ; Total : 19,268,000.

Total revenue from land per head of population : (Raiyatwari) : Rs. 2.7.7 ; (Estates) : Rs. 0.13.2 ; Total : Rs. 1.12.7.

Land revenue assessment on fully assessed area : (Raiyatwari) : Rs. 2,44,20,926 ; (Estates) : Rs. 66,42,992 ; Total : Rs. 3,00,63,918.

Incidence per acre of land revenue on fully assessed area : for total area (Raiyatwari) : Rs. 1.11.10 ; (Estates) : Rs. 0.13.9 ; Total : Rs. 1.7.4.

For cultivated area (Raiyatwari) : Rs. 2.5.2 (Estates) : Rs. 1.11.7 ; Total : Rs. 2.2.11.

Population of fully assessed area (Raiyatwari) : 11,258,504 ; (Estates) : 8,009,496 ; Total : 19,268,000.

* Thousand bales of 392 lbs. each of cotton lint.

Land revenue assessment per head of population of fully assessed area (Raiyatwari): Rs. 2-2-9; (Estates): Re. 0-11-3; Total: Rs. 1-9-0.

No. of towns of over 10,000 inhabitants (Raiyatwari): 58; (Estates): 15; Total: 73.

Aggregate population (Raiyatwari): 1,369,828; (Estates): 339,605; Total: 1,709,333.

Forests occupy about 19 per cent of the total area. The more useful species of timber produced are Korum, Toon, Rosewood, Irul, Teak. Bamboo suitable for the manufacture of paper pulp also occur in abundance.

LIVE-STOCK

The figures are in thousands.

Total Cattle 7,331

1. Males over 3 years 2,907

Breeding 23

Working 2,041

Others 333

2. Females over 3 years 1,351

Breeding:

a) In milk 810

b) Dry and not calved 355

Working 85

Others 101

3. Young Stock 1,983

Total Buffaloes 4,919

1. Males over 3 years 952

Breeding 31

Working 758

Others 163

2. Females over 3 years 2,277

Breeding:

a) In milk 1,063

b) Dry and not calved 1,076

Working 61

Others 77

3. Young Stock 1,690

Total Sheep 6,858

One year and above 5,951

Below one year 907

Total Goats 2,854

One year and above 2,410

Below one year 444

Total Horses and Ponies 44

3 years and above 19

Below 3 years 25

Mules (less than 500)

Donkeys 119

Camels (less than 500)

Pigs 579

Total live-stock 22,704

Total Poultry 8,062

Fowls 7,794

Ducks 268

Number of Agricultural Machinery and Implements in units:

Ploughs

Wooden 1,916,962

Iron 29,292

Sugarcane Crushers

Power 1,582

Bullocks 41,272

Oil Engines 19,328

Electric Pumps 5,931

Tractors 218

Ghanies

More than 5 seers 166,810

Less than 5 seers 89,700

MINERALS AND INDUSTRIES

There has been no detailed geological investigation. But it is believed that the State is rich in mineral deposits.

The deposits are of manganese, mica, barytes, limestone, gypsum, iron, copper. The coal is of poor quality.

The more important minerals are manganese in Vishakapatnam and mica in Nellore.

There are three zones of mineral concentration: Cuddapah for asbestos, barytes, limestone and steatite; Nellore for mica, feldspar, garnet, glass-sands, kyanite; Eastern Ghats for graphite, clays, mica, limestone.

The estimated output of some of the individual minerals are as follows:

Manganese: 100,000 tons; Mica: 15,000 to 20,000 cwt.; Ochre: 4,000 tons; Chromite: 5,000 tons. Barytes: 20,000 to 28,000 tons.

The more important industries are: rice milling, oil milling, jaggery, sugar, textiles, cement.

There are nine sugar factories with an installed capacity of about half a lakh of tons of sugar per annum; and two cement factories with an annual productive capacity of 175,000 tons.

The number of working spindles is about 26,000.

IRRIGATION, POWER

The figures given below are in acres.

Total area irrigated: 4-61 mln.; Area irrigated by Government canals: 2-71 mln.; By private canals: 46,000; By tanks: 1-21 mln.; By wells: 459,000; By other sources: 164,000.

Total irrigated area under cereals: 4-49 mln.; Under pulses: 22,000; Under other food crops: 52,000. Total under all food crops: 4-68 mln.

Irrigated area under rice: 3-98 mln.; Under jawar: 39,000; Under bajra: 101,000; Under maize: 1,000; Under ragi: 332,000; Under wheat: 4,000; Under other cereals: 29,000; Under gram: 1,000; Under thor: 2,000; Under other pulses: 19,000; Under sugarcane: 114,000; Under cotton: 1,000; Under other non-food crops: 325,000.

The chief irrigation works now in operation are the Godavari Anicut system, the Krishna Anicut system, the Pennar Canals system, Kurnool-Cuddapah Canal, the tanks connected with the Pennar and its tributaries, Pennar-Kumudavathi project.

The Godavari Anicut is located at Dowlai-shwaram in Godavari and irrigates an area of from 5 to 9 lakh acres in the two Districts. The Anicut is in four sections connected by islands and the aggregate length of the four sections is about three and a half miles. The catchment of the river is 115,000 sq. miles, and the maximum flood discharge is over 2 million cubic ft. per second.

Three main canals take off to irrigate eastern, western and central deltas respectively. The total draw-off is 11,500 cubic ft. per second, and they irrigate an area of about 900,000 acres in the first crop season, and 500,000 in the second.

The Godavari system fetches annually an irrigation revenue of Rs. 58 lakhs and a navigation revenue of 2½ lakhs.

The Krishna Anicut is located at Vijayawada in Krishna District, and irrigates an area of about 1,000,000 acres.

The maximum flood discharge is estimated at 1-19 million cubic ft. per second.

The Anicut is 6 furlongs long and is provided with 6 falling shutters.

The main canals are also navigable. And with the Godavari canal system one can travel a long distance by boat.

The Krishna Anicut system brings a little over Rs. 60 lakhs annually by way of revenue to the Government.

Another source of irrigation is the Kurnool-Cuddapah Canal which takes off from the Sunkesula Anicut in the Tungabhadra River. The Canal is 190 miles long and traverses the Kurnool and Cuddapah Districts. The carrying capacity of the Canal at the head is 2,000 cubic feet per second and the irrigable area 120,000 acres, though the irrigated area is 85,000 acres. It yields a revenue of only 4 lakhs annually.

The Pennar Kumudavathi project near Hindupur irrigates about 9,000 acres.

Among the projects under construction the Tungabhadra is the biggest. The total area expected to be brought under cultivation is about 300,000 acres in Kurnool and Bellary Districts, part of which will be in Mysore.

Under construction is also the Upper Pennar project intended to bring about 6,000 acres under cultivation.

The two super-projects of Krishna-Pennar and Ramapadasagar are very much in the future, and when completed will irrigate nearly a million acres.

Projects awaiting consideration are: Bhalra-vantippa on the Hagari river in Anantapur District, Mid Pennar project, Gandikotah project, Somasila Dam.

No hydro-electric power has so far been developed in Andhra State.

The thermal power installed is about 33,125 kW and the annual consumption about 87 million units.

It is estimated however that the river basins of Andhra are capable of giving more than half a million kW of firm hydro-electric power.

Notes on projects some under construction and some under investigation are given below:

The Machkund hydro-electric project is located on the Machkund, a tributary of the Godavari near the Duduma falls on the borders of Orissa. Its ultimate capacity is 102,000 kW and is now in an advanced stage of construction. The first stage comprises three generating units of 17,000 kW each and the Jalaput storage reservoir (25,400 million cubic ft.) is expected to commence operation early in 1955.

Power will be made available in the districts of Srikakulam, Vishakapatnam, West Godavari, East Godavari, Krishna and Guntur.

The cost of the scheme is estimated at between Rs. 13 and 15 crores.

The Tungabhadra scheme which is also under construction comprises two power stations, one at Hospet (which is almost completed) and the second on the main irrigation canal 15 miles away.

About 27,000 kW of power will be available initially and 63,000 kW ultimately of which about 32,000 kW will be firm power.

The power will be distributed from about 22 sub-stations in the four districts of Bellary, Anantapur, Kurnool and Cuddapah.

The power house sites are in that part of Bellary which is now in Mysore.

Andhra and Mysore will share power in the ratio of 70:30.

The total cost of the scheme is between Rs. 7 and 8 crores.

The Ramapadasagar project investigated but not sanctioned may afford electric power 150,000 kW.

Krishna-Pennar project with reservoirs at Siddheswaram, Nandikonda, Pulichentla, is estimated to give power of the order of 100, MW.

The present demands of Andhra State are about 20,400 kW. About 251 towns and villages—less than 2 per cent—have electric supply. The per capita consumption is about 4 units. In 1958 when the Machkund and Tungabhadra projects have been in operation for two to three years the per capita consumption would go upto 15 units.

The following tables show particulars about irrigation and power projects under the Five-Year Plan :

Name of Project	District/Area benefited	Date begun	Date of completion	Total cost Rs. in lakhs	Development Expenditure Five years 51-56 Rs. in lakhs	Area to be irrigated on completion in '000 acres
Kallapad, Hind Stage	Nellore	1949	1954	58	50	8
Pomperu drain ..	Guntur	1946	1953	96	41	10
Upper Pennar ..	Anantapur	1951	1955	84	84	6
Bhadravallippa ..	Bellary and Anantapur	1951	1955	1,02	1,02	8
Tungabhadra ..	Bellary and Kurnool	1945	1953	19,70	11,40	250
Total ..	—	—	—	23,10	14,17	282

Power Projects

Name of Project	District/Area benefited	Date begun	Date of completion	Total cost Rs. in lakhs	Development Expenditure Five years 51-56 Rs. in lakhs	Installed capacity. Power in thousand Kwts.
Machkund Hydel Scheme.	Vishakapatnam, Godavari, Krishna, Guntur now served by Thermal Stations.	1949	1954-55	6,82	4,32	103
Machkund transmission line	Vishakapatnam, Godavari, Krishna, Guntur now served by Thermal Stations.	1947	1953-54	8.03	4,55	—
Nellore Thermal Scheme.	Nellore and the neighbouring areas.	1946	1954-55	1,01	41	3
Tungabhadra Hydel Scheme (1st Stage)	Ceded Districts	1951	1955-56 (1st Stage)	7,94	6.43	60
Total ..	—	—	—	—	—	166

The total mileage of railway is 1,935.

Andhra has one major port, Vishakapatnam; two intermediate ports—Kakinada, Masulipatnam; one minor port, Bhimilipatam.

For inland transport Andhra has three large rivers, the Godavari, the Krishna and the Tungabhadra, traversing its territory.

It has also a well-developed canal navigation system.

The Godavari offers a total of 500 miles for navigation, the Godavari Canal 188 miles, the Krishna Canal 400 and the Buckingham Canal 258.

The traffic on the Godavari Canal alone is over a million a year.

EDUCATION

The following figures relate to the year 1952-53.

Total no. of elementary schools: 17,402; Elementary schools under Government management: 613; Under District Boards and Panchayats: 6,844; Under municipalities: 442; Under private agencies: 9,503; No. of higher elementary schools out of total: 728.

Total enrolment in all elementary schools: 1,562,733; No. of boys: 964,925; No. of girls: 597,808.

Out of the total number of elementary schools, no. of Basic schools: 276; Out of Basic schools, no. of senior schools: 15; Out of the total, Government Basic schools: 17; Out of the total, aided Basic schools: 3; Total enrolment: 31,825; No. of boys: 19,875; No. of girls: 11,950.

Total no. of secondary schools: 652; Out of the total, the no. of boys' schools: 593; Out of the total, no. of girls' schools: 59; Out of the total, no. under Government: 32; No. under local bodies: 512; No. of aided schools: 118.

Total enrolment in secondary schools: 253,301; no. of boys: 218,380; no. of girls: 34,921.

In the Agency areas there were four secondary schools.

Forty-one secondary schools are equipped with 35 m.m. film strip projectors, 79 with 16 m.m. projectors. Three hundred and ten secondary schools are equipped with radios.

Compulsory education is in force in the municipalities of Vishakapatnam, Rajahmundry, Eluru, Masulipatnam, Hindupur, Proddatur, and Nellore for boys only; and in the municipality of Kakinada for both boys and girls.

The Andhra University was established in 1926. It is a combination of the unitary and affiliating type of university. It has 20 departments and the students live in hostels in the campus.

It maintains four colleges—one of arts and science, another of science and technology, a third of natural sciences and a fourth of law.

Six professional colleges and 22 arts colleges are affiliated to it.

There are only two women's colleges in the whole area—Government College, Guntur and St. Theresa's Satyavati Devi College, Eluru.

One of the objects of the University was the development of Telugu so that it could be

made the medium of instruction at the university stage. But the medium of instruction today is still English.

Technical and industrial institutions included 4 polytechnics, 9 industrial schools, 7 arts and crafts schools.

The total enrolment was 1,522. Of these the no. of boys was 1,239, and of girls 283.

There were 23 commercial schools with a total enrolment of 3,075. Of these the no. of boys was 3,075, and of girls 96.

The no. of schools for social education was 1,509 and the total enrolment 44,620. Of these the no. of boys was 42,898, and the no. of girls 1,722.

There were 2 schools for the blind, and 2 for children afflicted with leprosy. The total enrolment was 126—87 boys and 39 girls.

The number of Oriental Colleges was 12—10 for men and 2 for women. The total enrolment was 481—435 men and 46 women.

There were 12 Oriental schools with a total enrolment of 517. Of these 168 were boys and 349 girls.

There were 2 Hindi Pracharak Vidyalayas with a total strength of 93—87 men and 6 women.

The number of teachers' training schools was 56, and the total enrolment was 8,207—5,216 men and 2,991 women.

In addition there were 16 Basic Training Schools for men and one for women. They had a total strength of 2,311—2,119 men and 192 women.

The National Cadet Corps (Junior Division) was working well. Twenty-three high schools participated and raised 33 units—Army Wing 30, Naval Wing 3.

FINANCES

To give an indication of the finances of the State Justice Wanchoo quoted the actuals for 1951-52.

The revenue and expenditure (figures in lakhs of rupees) are as follows:

Revenue

Direct receipts	1,408.70
Share of allocable items	361.19
Total	1,769.89

Expenditure

Direct expenditure	1,698.82
Share of allocable expenditure	573.89
Total	2,272.71

The deficit is about Rs. 502.82 lakhs.

The capital outlay in Andhra was Rs. 4,185.67 lakhs.

A break-up of the revenue figures would be as follows (Rs. lakhs):

Land revenue	406.91
Excise	16.56
Stamps	241.57
Registration	28.18
Receipts under M.V. Acts	120.16
Other taxes, duties including General Sales Tax	433.47
Other direct receipts (Education, Medical, etc.)	161.85

A break-up of the expenditure is as follows (figures in lakhs of rupees):

General administration	284.78
Administration of justice	53.28
Jails and Convict settlements	23.45
Police	217.28
Education	386.16
Medical and Public Health	129.66
Agriculture, Veterinary, Co-operation and Industries	152.98
Other items	471.83

Justice Wanchoo discusses the question of bridging the gap between revenue and expenditure.

He rejects the following suggestions as being problematical or of only long-term interest: revenue from new electricity schemes, more income from the abolition of zamindari, more revenue from development of forests and revenue, retrenchment in service establishments, diversion of Sales and Motor Taxes from Madras City, tightening up of Sales Tax administration, increase of water cess in the Krishna and Godavari Districts.

He opined that the deficit can be decreased from Rs. 5 crores to about Rs. 2.5 crores, as more revenue may accrue from the following factors: Andhra State is likely to get more from the Centre from income tax receipts and Central excise receipts (Rs one crore); Rationing and Civil Supplies Department may be abolished (Rs. 33 lakhs saving). Licences on export of food (Rs. one crore), single Chamber legislature (a few lakhs saving), dispersal of the armed police now located chiefly in the Andhra Districts.

Mr Justice Wanchoo's final recommendation was for the abolition of prohibition which would result in extra revenue to the tune of about Rs. 560 lakhs. Andhra State would then have enough funds to finance the Tungabhadra and Machkund and other Five-Year Plan projects.

In the division of assets and liabilities two broad principles were observed. The location of property, and where the property was movable a division between Madras, Andhra and Mysore in the ratio of 62½ : 36 : 1½.

In case of disagreement the President would be the final judge.

Madras and Mysore are to make available certain facilities to Andhra in respect of the following institutions for a certain period as may be agreed upon :

The Presidency Jail for Women, Vellore, The Senior Certified School, Chingleput, The Junior Certified School, Bellary, The Central Jail, Bellary, The Allpuram Jail, Bellary, The Borstal School, Bellary, The King Institute, Gulundi, The Irrigation Research Station, Poondi, The Police Training College, Vellore, The Finger Print Bureau, Vellore, The Government Press, Madras, The Government Textile Institute, Madras, The Government College of Indigenous Medicine, Madras, The Madras Fire Services State Training School, Madras, The Veterinary College, Madras, The Serum Institute, Ranipet, The Barnard Institute of Radiology, Madras, The Chemical Examiner's Department, Madras, The Central Survey Office, Madras, The Government Lady Willingdon Leprosy Sanatorium Tirumani, Rayalaseema Polytechnic, Bellary, The Government Wellesley Tuberculosis Sanatorium, Bellary.

CENSUS

The following table shows the population.

Andhra Districts	Total	Males	Females	Rural	Urban
1. Anantapur	1,361,556*	701,242	660,314	1,139,998	221,558
2. Chittoor	1,810,377	924,592	885,785	1,641,043	169,334
3. Cuddapah	1,161,731	595,060	566,671	1,027,502	134,229
4. Godavari East ..	2,414,808	1,206,483	1,208,325	1,954,062	460,746
5. Godavari West ..	1,697,727	848,990	848,737	1,366,458	331,269
6. Guntur	2,549,996	1,291,745	1,258,251	2,048,075	501,921
7. Krishna	1,779,484	903,872	875,612	1,409,392	370,092
8. Kurnool	1,270,843†	643,594	627,249	1,070,625	200,218
9. Nellore	1,795,632	902,794	892,838	1,591,993	203,639
10. Srikakulam	2,123,136	1,034,910	1,088,226	1,932,351	190,785

ADMINISTRATIVE PERSONNEL

Governor : Chandulal Madhavlal Trivedi.

Military Secretary to the Governor : Major K. T. V. N. Nambiar.

Aide-De-Camp : Captain R. D. Bhagwandas.

Private Secretary to the Governor : D. R. Sundaram, I.A.S.

Council of Ministers

Chief Minister : Mr. T. Prakasam (also in charge of Home, Public Services, Political and Information and Publicity).

Deputy Chief Minister : N. Sanjiva Reddy (also in charge of Home, Police, Law and Order, Passports and Arms Act, Public Works Department, Transport, State Legislature, Elections and House Rent Control).

Minister in charge of Land Revenue, Food and Registration, Rural Indebtedness, Money Lending and Weights and Measures, K. Koti Reddy.

Minister in charge of Finance and Inv. Religious Endowments and Scheduled Areas and Tribes, T. Viswanatham.

Minister in charge of Public Health, Co-operation and Housing, Labour, Rural Development, Harijan Uplift, Resettlement of ex-Servicemen, Khadi and Planning, D. Sanjivayya.

Minister in charge of Education, Industries, Excise and Prohibition, Commercial Taxes, B. P. P. Pattabhi Rama Rao.

Minister in charge of Local Administration, Agriculture, Forest, Fisheries and Animal Husbandry, P. R. Thimma Reddy.

Andhra State Service Commission

(Office located at Madras)

Chairman : C. Vivekanandamurthy, I.A.S. (retd.).

Members : A. Venkataramana Naidu, Mt. G. Rami Reddy, I.A.S.

Andhra Legislative Assembly

Speaker : Nallapatti Venkataramiah.

Deputy Speaker : P. Surya Chandra Rao.

Secretary : G. V. Chaudhary.

Deputy Secretary : M. Surya Rao

Secretariat

HOME DEPARTMENT

Chief Secretary to Government, O. Pulla Reddi, I.C.S.

Joint Secretary to Government and Chief Electoral Officer, C. Narasimham, I.A.S.

Deputy Secretary to Government (I), I. J. Naidu, I.A.S.

Deputy Secretary to Government (II), K. Radhakrishnaiah, B.A.

Deputy Secretary to Government (III), G. Gopala-Krishna Naidu, B.A.

Under-Secretary to Government, B. R. K. Sastri, I.A.S.

Assistant Secretary to Government (I), D. Raghu-ram.

Assistant Secretary to Government (II), L. Steer-amuli, B.A.

REVENUE DEPARTMENT

Secretary to Government, M. T. Raju, I.C.S.

Deputy Secretary to Government, K. S. Prakasa Rao, B.A.

Assistant Secretary (I), P. Krishnayya Naidu, B.A.

Assistant Secretary (II), G. Satyanarayana, B.A., B.L.

Assistant Secretary (III), M. Sreeramulu, B.A.

Assistant Secretary (IV), B. Rama Rao, M.A.

FINANCE DEPARTMENT

Secretary to Government, V. K. Rao, I.C.S.

Deputy Secretary to Government, T. E. Veera-raghavan, B.A.

Assistant Secretary (I), J. A. Arunandam, B.A.

Assistant Secretary (II), P. Isaac Prabhakar, B.A.

Assistant Secretary (III), M. A. Balg, B.A.

LAW DEPARTMENT

Secretary, B. Ch. Narayanamurthy.

Deputy Secretary (Opinion), D. Suryanarayana-swamy, B.A., B.L.

Deputy Secretary (Drafting), M. K. Narayana-swamy Iyer, B.A., B.L.

Under-Secretary to Government, V. Kameswara Rao, B.A., B.L.

Assistant Secretary (I), V. A. Venkatachalapathy, B.A., B.L.

Assistant Secretary (II), J. Jayarama Rao, B.A., B.L.

Assistant Secretary (III), K. Kadambavana-sundaram, B.A., B.L.

Assistant Secretary, S. V. Subbarao, B.A., B.L.

PUBLIC WORKS AND TRANSPORT DEPARTMENT

Secretary to Government, S. Chakravarthi, I.C.S.

Deputy Secretary to Government, V. Venkatra-yudu, I.A.S.

Assistant Secretary (I), T. P. Kothandaraman, B.A.

Assistant Secretary (II), T. Ramakrishnan, B.A.

DEVELOPMENT DEPARTMENT

Secretary to Government, R. Prasad, I.C.S.

Joint Secretary to Government, Director of Com-munity Project, Director of Harijan Welfare and Ex-officio Joint Secretary, T. Prabhakar Rao Nayudu, I.A.S.

Deputy Secretary to Government, S. G. Appa Rao Naidu, M.A.

Assistant Secretary (I), L. Bakthavatsalu, B.A.

Assistant Secretary (II), T. A. Sankar Ayya, B.A., B.L.

Assistant Secretary (III), K. Ramana Reddy, B.A.

EDUCATION, HEALTH AND LOCAL ADMINISTRATION

Secretary to Government, S. R. Kalvar, I.C.S.

Deputy Secretary to Government, K. C. Madhappa, I.A.S.

Deputy Secretary to Govt. (Health), A. Raghava Reddy.

* After the merger of Rayadurg Taluka from Bellary the present population is 1,483,591.

† After the merger of Alur and Adoni Talukas, the present population is 1,618,621.

Assistant Secretary to Government (Local Administration), E. L. Janartha Rao.

Assistant Secretary to Government (Education and Health), D. Kamalan.

Heads of Department

Inspector-General of Police : P. K. Monappa.

Chief Engineer (General and Highways) : J. M. Frederick.

Chief Engineer (Irrigation) : L. Venkatakrishnaiah.

The following offices are located in Madras :

Director of Agriculture and Fisheries, M. Kantil Raj.

Transport Commissioner, P. P. I. Valdyanathan, Barr-at-Law, I.C.S.

Secretary, Road Traffic Board, Syed Ahmed, I.A.S.

Director of Medical Services, Dr. M. V. Ramana-murthy, M.B.B.S., F.R.C.S.

Inspector General of Prisons, Dr. M. V. Ramana-murthy, M.B.B.S., F.R.C.S.

Director of Public Health, Dr. D. Subba Rao.

Chief Engineer for Electricity, B. R. Somayajulu.

Board of Revenue, K. M. Unnithan, I.C.S. (First Member), M. P. Pal*, I.C.S. (Second Member), K. Subba Rao, I.A.S. (Secretary).

Commissioner of Prohibition, D. V. Subba Rao, B.A.

Inspector General of Registration (including the offices of Registrar of Joint Stock Cos., Registrar of Firms and Registrar General of Births and Deaths and Marriages), H. Krishnamoorthy.

Registrar of Co-operative Societies, Director of Industries and Commerce and Director of Controlled Commodities, K. S. Subrahmanyam Naydu.

Inspector of Municipal Councils and Local Boards, Commissioner of Hindu Religious Endowments, K. N. Anantharaman, I.C.S.

Commissioner of Labour and Chief Inspector of Factories, C. R. Reddy.

Sales Tax Appellate Tribunal, A. Ranganathan Chetty.

Director of Animal Husbandry, Major T. Murari.

Radio Engineer, V. V. L. Rao.

Chief Conservator of Forests, N. D. Sahni, I.F.S.

Director of Harijan Welfare & Women Welfare, N. Bhagwandas, I.A.S.

Director of Public Instruction, S. Govindarajulu Naidu.

Deputy Chief Engineer, Highways, P. Veerayya.

ANDHRA UNIVERSITY

(Waltair)

Chancellor : Sri Prakasa, Governor of Madras.

Pro-Chancellor : B. Gopala Reddi.

Vice-Chancellor : Dr. V. S. Krishna, B.A. (Oxon.), Ph.D. (Vienna).

Registrar : K. V. Gopalaswamy, M.A. (Oxon.), Barrister-at-Law.

The professors are as follows :

K. Rangadhama Rao, M.A., D.Sc. (Madras), D.Sc. (Lond.) (Principal, University Colleges and Professor and Head of the Department of Physics).

G. Venket Rao, M.A., LL.B. (Professor and Head of the Department of History and Politics).

M. H. Gopal, M.A., Ph.D. (Lond.) (Professor and Head of the Department of Economics & Sociology).

Salleswar Sen, M.A., D.Litt., D.Phil. (Professor and Head of the Philosophy Department).

V. Ramaswamy, B.A. (Cantab.), Ph.D. (Cantab.) (Professor and Head of the Department of Mathematics).

Vidwan G. J. Somayaji, M.A., I.T., Vidwan, F.O.L. (Professor and Head of the Department of Telugu).

S. T. Krishnamachari, B.A., B.L., C.F.F. (Paris), D.I.A. (Berlin) (Reader and Head of the Department of European Languages other than English).

K. R. Srinivasa Iyengar, M.A., D.Litt. (Professor and Head of the Department of English).

H. K. Datta, M.Com. (Professor and Acting Head of the Department of Commerce).

S. Meenakshisundaram, M.A., D.Sc. (Professor and Head of the Department of Mathematical Physics).

G. Gopala Rao, M.Sc., A.I.C. (Lond.), D.Sc. (Allahabad) (Vikrama Deo Professor and Head of the Department of Chemistry).

C. Venkata Rao, M.Sc. (Hons.), D.I.C. (Lond.), Ph.D. (Del.) (Professor and Head of the Department of Technology).

S. Rangaswamy, M.A., Ph.D., D.Phil. (Pharm) (Basle), F.R.I.C. (Lond.) (Professor and Head of the Department of Pharmacy).

K. Nagabhushanam, M.A., Ph.D., D.Phil. (Stockholm) (Professor and Head of the Department of Statistics).

C. Mahadevan, M.A., D.Sc., F.A.Sc., M.A.I.M.E., F.N.I. (Professor and Head of the Department of Geology).

Dr. P. N. Ganapathy, M.Sc., D.Sc. (Reader and Head of the Department of Zoology).

S. Venkataraman, B.A., M.L. (Professor and Head of the Department of Law).

S. T. Krishnaswamy Chetty, M.A., M.Sc. (Lond.), D.I.C. (Lond.) (Head of the Department of Applied Physics).

Dr. S. R. Savur, M.A. (Hons.), Ph.D. (Lond.) (Professor and Head of the Department of Geophysics).

N. Srinivasan, M.A. (Mad.), B.Sc. (Hons.) (Econ.) (Lond.) (Professor of History and Politics).

Eugene Cecil La Fond (Honorary Professor in Geophysics).

Bh. S. V. Raghava Rao, M.A., Ph.D. (Lond.) (Vishakapatnam District Professor of Chemistry).

J. Venkateswarlu, M.Sc., D.Sc., Ph.D. (Cantab.) (Professor of Botany).

COLLEGES

Erskins College of Natural Sciences, Waltair.

J. V. D. College of Science and Technology, Waltair.

University College of Arts and Commerce, Waltair.

University College of Law, Waltair.

Agricultural College, Bapatla.

Andhra Christian College, Guntur.

Andhra Jateeya Kalasala, Masulipatnam.

Andhra Medical College, Vishakapatnam.

College of Engineering, Kakinada.

C.S.R. Sarma College, Ongole.

Govt. Arts College, Rajahmundry.

Govt. College for Women, Guntur.

Govt. Training College, Rajahmundry.

Hindu College, Guntur.

Hindu College, Masulipatnam.

Kavali College, Kavali.

Maharaja's College, Vizianagaram.

Medical College, Guntur.

Mrs. A.V.N. College, Vishakapatnam.

Pithapur Raja's College, Kakinada.

P.B.N. College, Midubroje.

Sir C. Ramalinga Reddy College, Eluru.

S.K.B. Ramars College, Amalanuram.

S.R.R. & C.V.R. College, Vijayawada.

S.S.N. College, Narsaraopet.

St. Joseph's Training College for Women, Guntur.

Tenali College, Tenali.

The Gudivada College, Gudivada.

The Narasapur College, Narasapur.

Venkatagiri Rajah's College, Nellore.

V.R.S. College, Chitrala.

West Godavari Bhimavaram College, Bhimavaram.

Andhra Women's Sanskrit College, Rajahmundry.

A.S.S.I. S.V.S. Patasala, Aukiripalli (Kishna Distt.).

K. L. N. Sanskrit College, Tenali.

Maharaja's Music College, Vizianagaram.

Maharaja's Sanskrit College, Vizianagaram.

Narasimha Sanskrit College, Chittigudur, Masulipatnam.

Sri Bhavanarauana Sanskrit College, Ponur.

Sri Sarada Niketannam, Guntur.

Sri Vadreja Jogayamma Veda Sanskrit College, Koyyur.

Veda and Sanskrit Patsala (College), Nellore.

ASSOCIATIONS

ANDHRA CHAMBER OF COMMERCE

Andhra Chamber Building, 272/3, Angappa Nalk Street, Madras 1.

THE GODAVARI CHAMBER OF COMMERCE LTD.

Kakinada, East Godavari Dt.

THE ANDHRA FILM CHAMBER OF COMMERCE

18/212, Gaudhinagar, Buckinghampet, P.O. Vijayawada 2.

THE BEZWADA FILM DISTRIBUTORS (STORAGE) ASSOCIATION

18/212, Gandhinagar, Vijayawada.

* Also acts as Commissioner of Commercial Taxes and Custodian of Evacuee property.

ASSAM STATE

Area : 85,012 sq. miles (including N.E.F.A.) ; 54,084 sq. miles (excluding N.E.F.A.).

Total population : 9,043,707. (Males : 4,812,166 Females : 4,231,541); (Rural : 8,629,289; Urban : 414,418).

Population according to religion : Hindus 5,894,733; Sikhs 4,107; Jains 4,245; Buddhists 22,675; Muslims 1,996,466; Christians 585,399; Jews 209; Other religions: Tribal 527,712; Non-Tribal 8,144; Zoroastrians 27.

Number of Scheduled Castes 424,044; Scheduled Tribes 1,735,245.

Names of Districts with headquarters in brackets: Goalpara (Dhubri); Kamrup (Gauhati); Garo Hills (Tura); Darrang (Tezpur); Nowgong (Nowgong); Sibsagar (Jorhat); Lakhimpur (Dibrugarh); Naga Hills (Kohima); Cachar (Silchar); United Khasi-Jaintia Hills (Shillong); Lushai Hills (Aizawl); United North Cachar and Mikir Hills (Diphu).

The North-East Frontier Agency is situated on the borders of Tibet and has an area of 34,000 sq. miles.

It is administered under express provisions of the Constitution by the Governor of Assam acting as the Agent of the President. The North-East Frontier Agency is completely separate from Assam administratively.

The Governor of Assam rules with the help of an adviser in Shillong and the ultimate responsibility for the area rests with the External Affairs Ministry.

Districts in Agency with headquarters in brackets: Mishmi Hills (Tezu); Abhor Hills (Along); Tirap Frontier Tract (Margherita); So La Sub-Agency (Bomdilla); Naga Tribal Area (Tuensang); Subansiri Area (Zero).

Number of Tahsils: In Assam Tahsils are termed as Circles.

Number of District Boards in the State : 15 (there are 15 Local Boards).

Number of Municipalities : 14.

Number of Town Committees : 9.

Number of Cantonnments : 1.

Number of Panchayats : 98 on 27th October 1953.

Number of villages : 25,327.

Names of Towns with a population of over 50,000 : Shillong—53,756 (excluding Cantonment area comprising a population of 4,756).

Strength of the Legislative Assembly : 108 Members.

Number of members returned from State to the House of the People : 12.

Number of members from the State to the Council of States : 6.

40 per cent of the population are recorded as speaking Assamese and about 24 per cent Bengali. Other languages spoken in the State are Hindi, Uriya, Mundari, Nepali and a great variety of languages classified under the general heading of the Tibeto-Burman languages.

GEOGRAPHY

The river basins are naturally fertile and present in the main few difficulties to the cultivator. Rice is the staple food crop. Rainfall being high the problem in general is to dispose of the surplus water and to control the action of floods rather than irrigation in the usual sense. Tea and jute are the most important crops grown for export. Besides, potatoes are also cultivated in Assam. A good deal of short staple cotton is grown in the hills.

Rainfall is everywhere abundant, and ranges from 50 to 258 inches a year leaving aside the highest recorded rainfall in this part of India with the maximum reached at Cherrapunji in the Khasi Hills (569.50); this is one of the wettest places in the world. Temperatures are moderate.

Earthquakes of considerable severity have taken place. By far the worst was that which occurred in 1950 August, one of the world's five biggest recorded tremors.

INDUSTRIES

Main cottage industries of State with location in brackets. Sericulture (Sibsagar District) and Weaving (Cachar District and Suwalkuchi in Kamrup District). Both these industries are carried on extensively throughout the State. Both these industries are in the infant stage in the Hills areas.

Value of total production : Rs. 3,53,33,000.

Value of production of individual industries : Weaving products (Rs. 3,00,00,000); Muga raw silk (Rs. 33,00,000); Mulberry raw silk (Rs. 6,33,000); Open Eri Cocoon (Rs. 14,00,000).

Production of individual industries (Approximately) : Cloth—30,000,000 yards; Mulberry raw silk—21,100 lb.; Muga raw silk—110,000 lb.; Open Eri Cocoon—400,000 lb.

Total number of workers in Cottage Industries : 1,950,000.

Number of workers in individual industries : Weaving (1,250,000); Sericulture (700,000).

Budget grant for the year 1953-54 : Rs. 13,00,000.

Total number of workmen employed in the State in registered factories : 66,640; Women—10,554; Children—905.

AGRICULTURE

Main food crops of the State : Rice, Rape, Mustard, Sugar-cane, Potato, Pulses, Maize and Oranges.

Main cash crops of the State : Tea, Jute, Cotton and Tobacco.

Total production of food crops in tons : 1,853,760 tons. Autumn Rice : 301,400 tons; Winter Rice : 1,103,000 tons; Spring Rice : 2,500 tons; Rape and Mustard : 54,560 tons; Sugar-cane : 68,000 tons; Potato : 124,300 tons.

Pulses, Maize and Oranges : Not estimated.

Production of individual cash crops in tons : Tea : 36,438,837 lb.; Jute : 790,200 bales (one bale = 4,001 lb.); Cotton : 11,880 bales (1 bale = 392 lb.); Tobacco : 9,150 tons.

Total geographical area of the State in acres : 35,764,120 acres.

Area cultivated : 6,313,790 acres.

Area cultivated twice : 814,451 acres.

Area under food crops : 4,450,000 acres.

Area under cash crops : 1,114,992 acres.

Area under individual food crops : Autumn rice (Ahu)—914,135 acres; Winter rice (Sali and Bao)—3,126,992 acres; Spring rice (Boro)—7,251 acres; Rape and Mustard—313,075 acres; Sugar-cane—58,238 acres; Potato—59,382 acres.

Area under individual cash crops : Tea—382,199 acres; Jute—248,969 acres; Cotton—29,786 acres; Tobacco—23,403 acres.

PLANTATIONS

Plantation in the State : Tea.

Area of Plantation : 1,473,626 acres.

Number of Plantation (For tea) : 1,001.

Produce from plantation : Black tea—337,634,613 lb.; Green tea—2,754,224 lb.

Average daily number of workers :

a) Permanent garden labour : 476,074.

b) Permanent outside labour : 33,211.

c) Temporary outside labour : 29,578.

Variety of fish produced : Rahu, Catla, Mriga and Mall, etc.

Number of fish farms : 5 (under Government control).

Fish seed collecting centres : 6.

FORESTS

Total forest area in State : 20,416 sq. miles.

Reserve forests : 6,350 sq. miles; Protected forests : 62 sq. miles; Unclassed State forests : 23,004 sq. miles.

Total area of private forests : 975 sq. miles inclusive of Corporation Forests.

Main types of Forest with some species of trees of economic importance occurring in them :

Evergreen forests, mixed deciduous forests, deciduous and dry deciduous forests, riverain forests, Savannah forests, swamp forests, bamboos and temperate forests.

Total revenue from forests and total expenditure (1951-52) :

Revenue Rs. 65,75,451.

Expenditure Rs. 47,74,837.

Main Forest produce with the quantity and value of each variety in brackets :

Timber Drift Wood, etc. (5,952,000 cft., Rs. 46,57,306); Firewood (5,977,000 cft., Rs. 95,534); Bamboos (16,405,685 Nos. and 3,791,992 sq. ft., Rs. 3,34,950); Elephants (182 Nos., Rs. 1,90,376); Cane (35,409,455 Rft. and 7,618 bundles, Rs. 3,42,428); Agar (79 mds., Rs. 13,000); Lac (8,074 mds., Rs. 54,060); Chalmugra (438 mds., Rs. 1,985); Elephant/Tusks (4 mds., Rs. 3,181); Rhino (3 Nos., Rs. 37,708); Thatch (7,390,770 bundles, Rs. 40,134); Fishery (Leases, Rs. 45,280); Stone (2,003,310 cft., Rs. 38,880); Other minor forest produce (Rs. 2,10,998); Miscellaneous (Rs. 5,45,873).

Total value of forest produce .. Rs. 66,11,693.

Refunds Rs. 36,242.

Net revenue Rs. 65,75,451.

Afforestation undertaken during the year 1951-52 :

Artificial regeneration .. 2,555 acres

Natural regeneration .. 861 "

Total 3,416 acres

Total cost of regeneration : Rs. 2,57,904 inclusive of free labour.

Total number of cattle : 5,145,576 (Cows—4,735,506. Buffaloes—475,231). Horses and Ponies—15,590, Sheep—32,640, Goats—917,239, Other livestock—291,920 and Fowls—5,050,724.

Research Institutes : a) Bovine contagious Pleuro Pneumonia Scheme (Research Institute), Gauhati; b) Cattle Nutritious Scheme (Research Institute, Khanapara, Gauhati).

Area of land reclaimed by State Tractor Organisation since its inception in 1948-49 : Ploughed—9,785 acres; Harvour—11,866 acres.

Number of Tractors availed of : 40.

Budget allotment for land reclamation for 1953-54 : Rs. 3,88,000.

LAND TENURE SYSTEM

There are two classes of land tenure system in the State the permanently settled estates and the temporarily settled estates.

Permanently settled estates: These are found in Goalpara District and Karimganj Sub-division of the Cachar District. The land is held by zamindars having intermediaries under them. The actual tillers of the land are the tenants who hold land either directly under the zamindars or intermediaries. The tenants also pay a fixed amount of rent.

Temporary settlement system: Also known as the Ryotwari system. Prevails in the other plain districts of the State. These lands can be divided into La-Khiraj, Nisf-Hiraj and Khiraj.

Initially all these lands were absolutely free from revenue. Subsequently lands except those granted for maintenance of temples were assessed only to half revenue. The lands assessed to full revenue were called Khiraj lands.

The peculiarity of this system is that generally the cultivators hold lands directly under the Government unlike the lands in permanently settled estates.

The Khiraj lands are again divided into two categories periodic and annual. The periodic landowner has a heritable and transferable right whereas the annual landowner has a right of occupation only and has no right of transfer or subletting. Subject to the payment of the land revenue the owners of annual lands have a right of renewal of the lease from year to year.

Jhumming Cultivation. Prevails in the hill districts of Assam. Here a particular group of people jointly occupy a particular area. They have no individual right over the land. In lieu of land revenue they pay a sort of tax known as House tax, Hoc tax or Dao tax which generally varies from Rs 2 to Rs 3 per family.

MINES

The only minerals in Assam worked on a commercial scale are coal, limestone and petroleum oil. Petroleum output 6,00,00,000 gallons, coal output 3,25,000 tons; and limestone output 9,80,000 tons. The most extensive coal measures hitherto worked are in the Naga Hills and the Lakhimpur district. Important deposits also exist in the Garo Hills. Limestone is quarried in the Khasi and Jaintia Hills. Petroleum is worked only in Lakhimpur and Cachar, and refined only in Lakhimpur.

Accounts of the occurrence of petroleum in Assam have been published in the memoirs of the Geological Survey of India. The petroleum localities in this State are confined to a curved belt of country along the basins of the Brahmaputra and the Surma. This belt is traceable over a distance of some 800 miles from N. E. Assam through Cachar and Chittagong to the Arakan coast, where it has a S. S. E. trend.

Silk is manufactured in the Assam valley; also cotton weaving prevails as a cottage industry, women playing a predominant part. In this valley there are no caste weavers. In the Surma Valley weavers carry on a brisk manufacture on a commercial scale. These handloom products find a ready market on account of the great scarcity of mill made goods.

Tea is of course the main industry, but there is a large petroleum mining concern and also some coal-mines. There is a big match manufacturing concern at Dhubri. Boat-building, brass and metal and earthenware, and limestone burning, cane and bamboo work, furniture making, sola hat, smithy, brick making, mustard oil pressing, rice and saw mills are other industries but agriculture employs about 80 per cent of the population. Assam carries on a considerable trade with the adjoining hill tribes and countries.

TRANSPORT

Much of the trade of Assam is carried by river. The extensive system of river communications makes the State less dependent upon roads than other parts of India but there

has been much advance in recent years in road communication. A fleet of steamers maintained by the India General Navigation Company and the Rivers Steam Navigation Company plies on the rivers in both Valleys. There is a day service of passenger-boats between Tezpur and Neamatli.

The open mileage of railway has also shown a steady improvement and several branch lines to the railway system in Assam have been added in recent years including the new Railway joining Assam directly with the rest of India. A branch of the line runs from Badarpur to Silchar at the eastern end of the Surma Valley and another runs west down the Assam Valley from Lumding to Pandu.

The first direct link by air between Calcutta and Gauhati was established on December 14, 1947. This air service was originally on a non-scheduled basis but very soon it became a daily service which has since been extended to Dibrugarh.

The Assam Government have undertaken an experiment in transport organization with the nationalisation of motor transport on a 75-mile long road connecting Gauhati and Nowgong.

Post-war road improvement programme envisages an expenditure of Rs. 5 crores over a period of 6 years. It covers not only construction of new roads but also includes improvement of existing roads to a better standard. The scheme also embraces a large bridging programme.

The road programme has its special significance in that it is being designed with a view to making Assam self-sufficient in the matter of having its export and import to and from other parts of the Indian Republic transported quickly without having to pass through the Pakistan Dominion. At the same time communications within the State have also been improved by provision of necessary feeder roads from and to the arterial road system of the State with a view to securing good market for the surplus produce of certain localities.

CIVIL SUPPLIES

Names of controlled articles: Rice and Atta.

Quantum of each per adult per week: 12 oz per adult per day. Heavy manual labourers are, however, entitled to 16 oz.

Monthly requirement of State according to the quota—(for rationed areas only)—198,000 tons.

State's requirement. Rice—1,377,000 tons; Wheat—4,000 tons monthly; Salt—144,000 (mds.) monthly; Cloth—4,000 bales per month. Yarn—2,500 bales per month.

The State is deficit in all these articles to the extent of the entire requirement.

Import quotas of cloth, yarn, salt and wheat is equal to the entire requirement.

System of Procurement in respect of controlled varieties of cloth and yarn: Through Government appointed agents.

For foodgrains procurement is undertaken by Government themselves through licensees including the rice millers who enter into periodical contracts with Government procurement organisation. In the year 1953, 12,300 tons of rice were procured during the first half of the year.

Names of towns in which there is rationing: Shillong, Gauhati, Dhubri, Karimganj, Dibrugarh and Tinsukia.

CO-OPERATION

Total number of Co-operative Societies: 2,910. Total membership of Co-operative Societies: 267,270.

Total working capital: Rs. 2,13,64,962.

Types of Co-operative Societies and the number of each:

Farming (22); Milk Societies (1); Consumer's Co-operative (1,815); Agricultural Credit (664); Non-Agricultural Credit (147); Other Types (245).

Number of Central and District Co-operative Banks: 14.

Provincial Co-operative Banks: 2.

Working capital	Rs. 82,23,263
Deposits	33,21,984
Paid-up share capital	2,76,561
Reserve and other funds	62,718
Dividend for the year	N/A

Budget allotment for the department for the year 1953-54: Rs. 5,20,670.

STATE HELP FOR AGRICULTURE

Manure distributed and the quantity of each: Compost: 288,144 tons; Oil-cake: 204 tons; Fertilizers (Bone meal): 486 tons.

Quantity of improved seeds distributed: Paddy: 17,356 mds.; Pulses: 2,430 mds.; Wheat: 900 mds.

Monetary or other help given by Government to cultivator:

A loan of Rs. 63,500 was issued to cultivators under the Land Improvement Loan Act during 1951-52.

50 per cent of the costs of minor irrigation projects are being realised through manual labourers if they so desire and the balance 50 per cent is shared by Government.

Manures and fertilizers are being subsidised by Government.

Number of Agricultural experimental farms: 9 (excluding 6 district seed farms under "Grow More Food").

Plant protection organisation: One.

It has been under the supervision of a Mycologist assisted by an Entomologist since 1949-50. During 1951-52, 7,929 acres of paddy, 3,155 acres of potato, 208 acres of pulses, 3,349 acres of jute and 818 acres of other crops were treated in the field against pest and diseases. Besides, 1,585,606 maunds of paddy and 40,479 maunds of pulses were treated in storage. A sum of Rs. 1,89,000 has been provided in the budget for 1953-54 for the purpose.

Target for additional production of food crops under "Grow More Food" for five years: 225,000 tons. 79,600 tons already achieved during 1951-52.

Highest yield per acre:

Salt Paddy—103 maunds 20 seers per acre—Lakhai Hills

Potato—102 maunds 25 seers per acre—North Lakhimpur

Budget Grant for work outlined above—Rs. 18,62,000 as below:

(Rs. lakhs)

Seeds	9.72
Manures	4.05
Plant protection	1.89
Tea Garden Loan	2.00

PUBLIC HEALTH

Commonest diseases in State and mortality from each disease during 1951.

Diseases	Persons affected	Death
Malaria and other fever ..	618,926	38,355
Dysentery and Diarrhoea ..	115,325	4,037
Respiratory diseases ..	not available	3,770
Kala-Azar	not available	299

Number of Allopathic Hospitals: 95.

Number of Allopathic Dispensaries: Rural—490; Urban—3.

Number of beds in Allopathic Hospitals: 2,081.

Number of Ayurvedic Dispensaries: Rural—6.

Types of special hospitals and the number of each: T.B. Hospital—1 (97 beds); Mental Hospital—1 (716 beds); Leprosy Hospital—9 (707 beds).

Total number of Allopathic doctors (Rural and Urban)—2,519.

Total number of Ayurvedic doctors (Rural and Urban)—105.

Total number of Nurses—585.

Total number of Dhals (Rural and Urban)—370.

Total number of Compounders—1,963.

Total number of indoor patients treated in Hospitals in 1951—45,407.

Total number of outdoor patients treated in Hospitals during 1951—2,112,938.

Total number of Government Hospitals—60.

Total number of Government doctors—Allopathic—293; Ayurvedic—1.

Total number of Government Nurses—112.

Total number of Medical Colleges—Allopathic—1, Ayurvedic—1.

Total number of Students—Allopathic—412; Ayurvedic—18.

Special Medical Research Institute—1 (Pasteur Institute).

Strength of staff on the preventive side of the Department—177.

Budget allotment for Public Health for 1952-53—Rs. 29,58,000.

EDUCATION

The information furnished below relate to the year 1951-52.

Elementary Schools :

Total number of elementary schools—11,172.

Total enrolment—625,682.

Total number of teachers—16,551.

Total expenditure—Rs. 65,84,745.

Contribution by State Government—Rs. 56,05,103.

By Local Bodies—Rs. 12,04,264.

By Private agencies—Rs. 6,95,877.

Nursery Schools :

Unrecognised Nursery Schools for girls—2.

Total enrolment—441.

Total number of teachers—12.

Number of schools with Nursery classes attached—4.

Total enrolment in such classes—114.

Number of schools with Nursery classes attached to urban areas—1.

Number of Nursery Schools in Rural Areas—12.

Total expenditure on Nursery Schools; Rs. 5,780.

Secondary Schools :

Total number of Secondary Schools for boys—1,148; for girls—153.

Total enrolment—210,543.

Total number of teachers—8,200.

Total expenditure on Secondary Education; Rs. 89,59,493.

Contribution of State Government; Rs. 44,50,908.

By Local bodies—Rs. 5,86,445.

By Private agencies—Rs. 12,25,388.

Fees—Rs. 33,17,135.

European and Anglo-Indian Schools :

Number of European and Anglo-Indian Schools—4.

Total enrolment—694.

Total Government grant—Rs. 67,321.

Number of Sanskrit tols—146.

Enrolment—1,400.

Government grant—Rs. 34,212.

Number of Arabic Madrasahs—102.

Total enrolment—6,952 approximately.

Government grant—Rs. 68,292 approximately.

Number of Elementary schools owned by State Government—900; by School Boards—9,149; by Private agencies—1,123.

Number of Secondary schools owned by State Government—109; by Central Government—2; by Local Bodies—332; by Private agencies—858.

Number of Colleges owned by State Government—1; by Local Bodies—Nil; by Private agencies—16 (Recognised).

Number of teachers' training institutions owned by State Government—10; by Local Bodies—12; by Private agencies—12.

Number of Commercial and technical institutions owned by State Government—3; by Local Bodies—3; by Private agencies—15.

Number of European and Anglo-Indian Schools owned by State Government—1, by Private agencies—3.

Number of Sanskrit Pathshalas owned by Private agencies—146.

Number of Arabic Madrasahs owned by State Government—1, by Private agencies—101.

Number of nursery schools owned by Private agencies—12 (unrecognised).

Schools for Defectives :

Total number of schools for defectives—1.

Total enrolment—16.

Number of teachers—2.

Number of schools for deaf and dumb—1.

Enrolment—16.

Number of teachers—2.

Government grant—Rs. 2,400.

Schools for Social Education :

Number of Institutions—1,200.

Number of teachers—1,281.

Total expenditure—Rs. 1,45,259.

Contribution by State Government—Rs. 1,41,759; by private agencies—Rs. 3,500.

Training Institutions

Total number of teachers' training institutions—34.

Number of training institutions which confer degrees—1 (Gauhati University).

Total number of teachers on staff of teachers' training institutions—122.

Total number of students at Diploma Institutions—108.

Total number of new trained teachers available for staffing elementary schools in a year—424.

Total number of new trained teachers available for staffing secondary schools in a year—652.

Total expenditure on teachers' training institutions—Rs. 4,18,389.

Contribution by State Government—Rs. 3,55,399; By Local Bodies—Rs. 54,680; by private agencies—Rs. 7,812; Fees—498.

Commercial and Technical Institutions :

Total number of Commercial and technical institutions—21 (Commercial—8; Technical—13).

Total enrolment—1,361 (Commercial Institutions—625; Technical Institutions—736).

Total number of teachers—113 (Commercial—38; Technical—75).

Total expenditure—Rs. 2,40,054.

Contribution by State Government—Rs. 1,65,669; by Local bodies—Rs. 7,069; by private agencies—Rs. 18,223; Fees—Rs. 49,093.

Research Institutions :

Kamrup Anusandhan Samity, Gauhati.

Assam Provincial Museum, Gauhati.

Assam Paribhasa Committee, Gauhati.

Colleges :

Number of colleges—17 recognised and 3 unrecognised.

Total number of women's colleges—3.

Total enrolment—6,923.

Total number of teachers—356.

Total expenditure on Collegiate Education—Rs. 14,88,344.

Contribution by State Government—Rs. 6,90,253; By private agencies—Rs. 70,147; Fees—Rs. 7,27,944.

Professional Colleges :

Total number of Professional Colleges—3.

Number in each category—Medical—1; Agriculture—1; Veterinary—1; Law—1.

Total enrolment—391.

Total enrolment in each category—Medical—312; Agriculture—82; Veterinary—106; Law—286.

Total number of teachers—52.

Total expenditure on Professional Education—Rs. 8,03,653.

Contribution by State Government—Rs. 7,29,675; by private agencies—Rs. 3,500; Fees—Rs. 70,478.

The grant given by the Central Government in the year 1950-51 for education of backward classes—Rs. 1,14,732.

Grant given by the Central Government in the year 1950-51 for expansion of education schemes—Rs. 1,14,732.

COMPULSORY ELEMENTARY EDUCATION

Elementary education is compulsory in selected Plains areas in the State.

During the year 1952-53 compulsory elementary education was introduced in selected areas of 11 Plain Sub-divisions of the State. It covered 12 towns and 1,163 villages. Majority of the children of age group 6-11 were benefited by the Scheme.

Total number of children in State in age group 6-14—582,938.

SOCIAL EDUCATION

Social Education curriculum is mainly comprising of the following subjects—Literacy and follow-up work, Knowledge of health and hygiene, Knowledge of democratic citizenship and encouragement of crafts and Cottage Industries.

The literacy work in the State is carried on in the night classes in the Social Education Centres called the "Janasiksha Kendras". Text books, reading charts, kerosene expenses, lamps, etc. are supplied by the Department. The centres are run mostly by Primary school teachers. The classes are held daily and the enrolment varies from 20 to 30.

Literacy courses are held thrice a year—each term of 3 months duration generally, i.e. 3 terms in a year. At the end of each term a literacy test is held and successful candidates are declared as passed. Almost all the Social Education centres are run with two sections in each, namely the Pre-literacy section and the Post-literacy section.

Place of Language in the Education System : The regional language is not compulsory in any stage of education in this State, the teaching of Hindi is compulsory from Class IV of selected secondary and special schools of the State. It continues upto the end of Secondary stage, the teaching of English is compulsory from Class IV onwards, the medium of instruction at the College stage is English.

At present there is no scheme under consideration of Government to replace English by the regional language or any other languages.

Scheme for Basic Education :

In the year 1951-52 there were 147 Basic Schools; with an enrolment of 7,589 students.

The Scheme for Basic Education was first introduced in this State only in the year 1949-50 on the lines of Wardha Basic Education Scheme.

Due attention was paid to the productive side of Basic Education.

It is expected that the existing 5 training centres with Basic Schools under them will earn on an average Rs. 1,000 per centre.

Public Examinations : Middle School Leaving Certificate and Scholarship Examination is the only public examination which is compulsory for the students of High and Middle schools of the State.

Body controlling the Examination : Board of Middle School Leaving Certificate and Scholarship Examination.

Number of students who appeared for this Examination during 1952-53 : 27,807 ; Percentage of failure : 41.1

Re-organisation of Education : A new curriculum in Primary and Secondary stage is under active consideration of the Government.

LABOUR

Average daily number of workers in registered factories : 66,610 ; Women—10,554 ; Children—905.

Names of Industries in which a minimum wage is fixed : Tea Plantation.

Total number of Trade disputes for the year 1952 : 1,761.

Total number of Strikes : 19.

Total number of workers affected : 7,466.

Number of Man-days lost : 66,102.

Number of Trade Unions in State : 96.

Total membership of Trade Unions (as on 31st March 1952) : 97,704.

Number of Labour Welfare Centres in State : 14.
Strength of Labour Welfare Staff : 36.

Number of houses built through Industrial Housing—Number of Houses built by tea industries is : 20,885.

STATE BUDGET FOR 1953-54 (ESTIMATES)

Total revenue	Rs. 13,00,79,000
Total expenditure	„ 14,97,28,000
Deficit	„ 1,96,49,000

POPULATION OF DISTRICTS

Assam Districts.	Total	Males	Females	Rural	Urban
	9,048,707	4,812,166	4,231,541	8,629,289	414,418
1. Cachar	1,115,865	588,306	527,559	1,054,489	61,376
2. Goalpara	1,108,124	588,900	519,125	1,067,495	40,629
3. Kamrup	1,490,392	799,301	691,091	1,416,512	73,880
4. Darrang	913,841	491,618	422,223	891,390	22,451
5. Nowgong	886,955	476,578	410,377	843,420	43,535
6. Sibsagar	1,212,224	647,932	564,292	1,172,905	39,319
7. Lakhimpur	1,078,157	586,306	491,851	1,021,728	56,429
8. United Khasi and Jaintia Hills	363,599	186,652	176,947	305,087	58,512
9. Naga Hills	205,050	103,104	102,846	201,825	4,125
10. Lushai Hills	196,202	96,136	100,066	189,252	6,950
11. Garo Hills	242,075	124,054	118,021	242,075	.. ..
12. United Mikir and North Cachar Hills	165,440	86,430	79,010	163,272	2,168
13. Mishing Hills	32,163	17,953	14,210	27,119	5,044
14. Aboir Hills	10,761	6,348	4,413	10,761	.. ..
15. Tirap Frontier Tract	5,213	3,050	2,163	5,213	.. ..
16. Balipara Frontier Tract	9,721	5,862	3,859	9,721	.. ..
17. Naga Tribal Area	7,025	3,447	3,578	7,025	.. ..

Irrigation Projects*

Name of Project.	District/Area Benefited.	Date begun.	Date of completion.	Total Cost Rs. in Lakhs.	Development Expenditure Five Years. 51-56 Rs. in Lakhs.	Area to be irrigated on completion in '000 Acres.
Navigation embankment and drainage projects.	Entire State	1951-52	1955-56	100	100	218
Protection of Dibrugarh town	—	1952-53	1955-56	100	100	.. ..
Total				200	200	218

Power Projects*

Name of Project.	District/Area Benefited.	Date begun.	Date of completion.	Total Cost Rs. in Lakhs.	Development Expenditure Five Years. 51-56 Rs. in Lakhs.	Installed capacity power in thousand kW
U'mtru Hydro-electric project	Gauhati and surrounding areas.	1949-50	1956-57	85	83	7

ADMINISTRATIVE PERSONNEL

GOVERNOR

Jairamdas Doulatram.

PERSONAL STAFF

Private Secretary, T. S. Krishnamurti, M.A., B.Com.

Aide-de-Camp, Lt. L. P. Kamath.

Personal Assistant, M. V. Raisinghani.

Supd. of the Military Secretary's Office, B. Farwell, B.A.

Adviser to the Governor, N. K. Rustomji, I.C.S.

COUNCIL OF MINISTERS

Chief Minister and Minister-in-charge of Appointment, Home, Co-ordination of all Departments, Departments relating to Autonomous Districts and Welfare and Development of Tribes living in plains and Hills, Co-ordination of the Five-Year Plan with Development of the State and Matters relating to Election, Bishnuram Medhi, M.Sc., B.L.

Minister-in-charge of Finance and Revenue (including Mines and Minerals, Distribution and allotment of land, Land Reforms, Land Development and Land Reclamation, Acquisition of Zamindari Departments), Relief and Rehabilitation Departments, Motiram Borga, M.A., B.L.

Minister-in-charge of Public Works Department (including Embankment and Drainage and Flood Protective Measures), Transport and its Nationalisation, Siddhinath Sarma, B.Sc., B.L.

Minister-in-charge of Labour and Labour Welfare, Education, Development of Backward Areas and Welfare of Backward classes and Tribes, Omeo Kumar Das, B.A.

Minister-in-charge of Food, Pisciculture, Agriculture including Grow-More-Food, Co-operative, Rural Development, Weaving, Sericulture, Cottage Industries and Publicity Departments, Mohendra Mohan Chaudhury, B.L.

Minister-in-charge of Supply, Procurement, Consumer Goods, Textile, Development of Trade

* From the report of the Planning Commission.

and Commerce, Development of Major Industries and Planning Departments, Baldyanath Mookerjee, B.A.
 Minister-in-charge of Medical, Public Health and Judicial Departments, Rupnath Brahma, B.L.
 Minister-in-charge of Forest, Legislative (excluding matters relating to Election), Electricity and General (including Printing and Stationery) Departments, Ramnath Das, B.L.
 Minister-in-charge of Excise, Jail, Registration and Stamps, Rev. J. J. M. Nichols-Roy, B.A.
 Minister-in-charge of Local Self-Government, Veterinary and Livestock Departments, Abdul Matlib Mazumdar, M.A., B.L.

DEPUTY MINISTERS

Revenue, Relief and Rehabilitation, Hareswar Das, M.A., B.L.
 Labour Welfare and Education, Purnananda Chetla, B.A.

PARLIAMENTARY SECRETARIES

Public Works Department, Transport, Medical and Public Health, Chongthu Saprawanga.
 Parliamentary Affairs, Mohi Kanta Das, B.L.
 Community Projects, Co-operative, Rural Development and Cottage Industries, Rablin Kukoli.

SECRETARIAT

Chief Secretary, S. K. Datta, I.C.S.
 Joint Secretary, Home, Appointment, Confidential and General Administration Departments, D. Das, I.A.S.
 Secretary, Finance Department, Dr. M. N. Goswami, I.A.S.
 Secretary, Revenue and Agriculture Departments, S. C. Kugli, I.A.S.
 Secretary, Rural Development, Co-operative Societies, Sericulture and Weaving Departments, etc., K. C. Barua, I.A.S.
 Secretary, Labour, Transport, Industries, etc., Departments, S. K. Mallick, I.C.S.
 Secretary, Relief and Rehabilitation Department, D. Das, I.A.S.
 Secretary, Supply Department, A. N. Kldwal, I.C.S.
 Secretary, L.S.G., Education and Medical Departments, I. Majid, I.C.S.
 Secretary, Tribal Areas Department, B. V. Subrahmanian, I.A.S.
 Secretary, P.W. Department, G. N. Datta, B.E.
 Addl. Secretary, P.W.D., B. B. Choudhury, B.E.
 Secretary, Legislative and Judicial Department, S. K. Dutta, B.Sc. (Lond.), Bar-at-Law.
 Addl. Secretary (Ex-officio), Legislative Department, R. R. Khound.
 Joint Secretary, Home Department, K. R. Chaudhuri, I.P.
 Deputy Secretary, Education, L.S.G., Agriculture and Medical Departments, H. N. Deka, B.L., A.C.S.

Deputy Secretary, Finance Department, G. C. Phukan, M.A., B.L., A.C.S.
 Deputy Secretary (Ex-officio), Textile Department, Anwar Hussain, A.C.S.
 Under Secretary, Finance Department, P. L. Shome, A.C.S.
 Under Secretary, Appointment and Home Departments, K. K. Padmapati, A.C.S.
 Under Secretary, Revenue Department, U. K. Sarma, A.C.S.
 Under Secretary, Education, L.S.G., and Medical Departments, Haremba Nath Bora, A.C.S.
 Under Secretary, Supply Department, S. K. Bhattacharjee, A.C.S.
 Under Secretary, Relief and Rehabilitation Department, K. K. Salkia, B.L., A.C.S.
 Under Secretary, Transport and Industries Department, I. K. Das, A.C.S.
 Under Secretary, P.W.D., Syamapada Chaudhuri, B.E.
 Addl. Under Secretary, P.W.D., P. C. Sarma, B.E.
 Under Secretary (Ex-officio), Co-operative Societies, J. Gogol.
 Under Secretary, Sericulture and Weaving, R. Dutta.
 Under Secretary, Tribal Areas Department, Rana K. D. N. Singh, I.A.S.
 Under Secretary, Legislative and Judicial Departments, R. C. Chaudhuri, M.A., B.L.
 Addl. Under Secretary, Finance Department, J. C. Sarma, M.A.
 Assistant Secretary, Development and Labour Departments, L. Barua.
 Assistant Secretary, Supply Department, D. K. Sen.
 Assistant Secretary, P.W. Department, K. Barthakur.
 Assistant Secretary, L.S.G., Medical and Education Departments, K. R. Kar.
 Special Officer for Revision of L.S.G. Manual, Sukhamoy Sen.
 Registrar, Assam Secretariat (Civil), D. Nath.
 Registrar, Assam Secretariat (P.W.D.), K. K. Gupta.

HEADS OF DEPARTMENTS

Accountant-General, A. K. Mukherjee, M.A., I.A. & A.S.
 Collector of Central Excise, B. B. Barman.
 Commissioner of Income-tax, Calcutta (Central), Assam, Tripura and Manipur, P. Mukherjee, B.A.
 Director of Posts & Telegraphs, K. V. Pal, B.E.
 Conservator of Forests (Senior), P. D. Stracey, I.F.S.
 Conservator of Forests (Junior), M. C. Jacob, I.F.S.
 Chief Engineer, G. N. Dutta, B.E.
 Chief Inspector of Factories & Electrical Adviser to Government, G. C. Goswami, B.Sc. (Cal.), B.Eng. (Sheff.), A.M.I. mech.E.

Chief Inspector of Boilers, S. S. Banerjee, B.Sc. (Cal.), B.Sc. (Eng.), A.M.I.E.
 Commissioner of Labour, H. P. Dura, B.Com. (Leeds).
 Director of Supply and Controller of Rationing, S. Barkataki, I.A.S.
 Custodian of Vacuue Property, U. K. Sarma, A.C.S.
 Director of Agriculture, L. K. Handique, B.Sc. Agri. (Edin.).
 Director of Veterinary Services, G. K. Mehra, M.R.C.V.S.
 Director of Public Instruction, D. Goswami, M.A.
 Commissioner of Excise and Registrar of Joint Stock Companies, N. N. Chakrabarti, I.A.S.
 Director of Industries and Registrar of Co-operative Societies, K. C. Barua, I.A.S.
 Director of Health Services, Medical and Public Health, J. K. Salkia, M.B., D.T.M.
 Director of Publicity, I. P. Chaudhuri, M.A., B.T., B.L.
 Director of Technical Education, D. Goswami, M.A.
 Commissioner of Divisions-cum-Food Commissioner, G. P. Jarman, I.A.S.
 Inspector-General of Police, K. R. Chaudhuri, M.A., M.B.E., I.P.
 Inspector General of Prisons, J. K. Salkia, M.B., D.T.M.
 Director of Land Records and Surveys, and Registrar of Births, etc., A. N. Bhattacharjee, I.A.S.
 Additional Director of Agriculture, S. Majid, B.Sc., I.A.R.I.
 Legal Remembrancer, S. K. Dutta, B.Sc. (Lond.), Bar-at-Law.
 State Transport Commissioner, S. K. Mallick, I.C.S.
 Director of Community Projects, K. Balachandran, I.C.S.
 Director of Economics and Statistics, S. C. Sarma, M.Sc. (Cal.), M.A. (Colombia).

JUDICIAL DEPARTMENT

Mr. Justice Sarjoo Prasad, M.A., B.L., Chief Justice. Rai Sahib Justice Ram Labhaya, LL.B., Puisne Judge. Mr. Justice H. Deka, M.A., B.L., Puisne Judge. J. C. Medhi, M.A., B.L., Registrar. D. N. Choudhury, B.Sc., Deputy Registrar. C. M. De, M.A., Asstt. Registrar. Sarat Kumar Dutt, B.Sc. (London), Bar-at-Law, Superintendent and Remembrancer of Legal Affairs and Administrator-General and Official Trustee. Ramesh Chandra Chaudhuri, M.A., B.L., Law Assistant to the Legal Remembrancer. S. M. Lahiri, M.A., B.L., Advocate-General. Dinanath Medhi, B.Sc., B.L., Senior Government Advocate. Rajani Kanta Goswami, B.L., Junior Government Advocate and Editor, Law Reports, Assam Series. Pulakananda Das, B.L., Editor, Indian Law Reports, Assam Series.

UNIVERSITY OF GAUHATI

Gauhati, Assam.

VICE-CHANCELLOR

K. K. Handiqui, M.A. (Cal et Oxon.).

REGISTRAR

P. Datta, M.A., B.L.
 Teaching, Affiliating and Residential.
 Subjects where provision exists for post-graduate and research :
 Assamese, Philosophy, Economics, History, Education, Mathematics, Statistics, Botany and Commerce.
 Number of colleges affiliated : 20 (including one constituent college).

Number of students : Affiliated Colleges : 7,618 ; University Departments : 1,072.
 Grant from State Government :
 Annual recurring grant of Rs. 5,00,000.

LIST OF COLLEGES

Assam Agricultural College, Jorhat.
 Assam Medical College, Dibrugarh.
 Assam Veterinary College, Gauhati.
 B. Barooah College, Gauhati.
 B.N. College, Dhubri.
 Cotton College, Gauhati.
 Dibrugarh H.S. Konal College, Dibrugarh.
 Drrang College, Tezpur.

D.M. College, Imphal (Manipur).
 Gurucharan College, Silchar.
 Handique Girls' College, Gauhati.
 J.D. College, Jorhat.
 Karimganj College, Karimganj.
 Lady Keane Girls' College, Shillong.
 M.C. College, Barpeta.
 Nalburi College, Nalburi.
 Nowgong College, Nowgong.
 St. Anthony's College, Shillong.
 St. Edmund's College, Shillong.
 St. Mary's College, Shillong.
 University Law College, Gauhati.

BIHAR STATE

Area 70,330 sq. miles.

Total Population : 40,225,917 . (Males . 20,223,675 , Females . 20,002,272)

Urban population : 37,521,216 ; Rural . 2,704,731.

Number of Scheduled Castes : 5,057,812 ; Scheduled Tribes : 4,049,183.

Administrative Divisions.—Patna, Bhagalpur, Tirhut and Chota Nagpur.

Districts with names of District Headquarters in brackets in each Division—

Patna Division—Patna (Patna) ; Gaya (Gaya) ; Shahabad (Arrah).

Tirhut Division—Muzaffarpur (Muzaffarpur), Saran (Saran), Champaran (Motihari), Darbhanga (Laheriasarai).

Bhagalpur Division—Bhagalpur (Bhagalpur) ; Monghyr (Monghyr), Purnea (Purnea) ; Santal Parganas (Naya Dumka).

Chota Nagpur Division—Ranchi (Ranchi) ; Hazaribagh (Hazaribagh), Palamau (Daltonganj), Singhbhum (Chaibassa), Manbhum (Purulia).

Number of Districts : 16 ; Number of District Boards : 17 . Number of Municipalities (including Patna Municipal Corporation) . 53.

Number of Notified Area Committees : 13 ; Number of Panchayats : 5,831 . Names of towns with a Population of over 50,000 . Patna, Monghyr, Jamshepur, Muzaffarpur, Gaya, Chapra, Bhagalpur, Arrah, Ranchi, Bihar, and Darbhanga.

Strength of State Legislative Council : 72 ; Strength of Assembly . 331 ; Number of members returned from State to House of People : 55 . Number of members returned from State to Council of States : 21.

Estimated receipts 1953-54 . Rs. 43,53,00,000 ; Estimated expenditure . Rs. 44,95,00,000 ; Estimated Deficit : Rs. 1,42,00,000.

GEOGRAPHY

Bihar lies between 20°30' and 27°30' N. latitude and between 82°31' and 88°26' E. longitude and includes the former States of Serakella and Kharsawan. It is bounded on the north by Nepal and the Darjeeling District of West Bengal ; on the east by West Bengal and East Pakistan ; on the south by the State of Orissa ; and on the west by Uttar Pradesh and Madhya Pradesh.

The area of the territories which constitute the Governorship of Bihar is 70,330 square miles. The State comprises the plateau-land of Chota Nagpur and the valley of the Ganges from the spot where it issues from the territories of the Governor of Uttar Pradesh till it enters West Bengal near Rajmahal. Following the main geographical lines, there are four Civil Divisions with headquarters at Patna, Muzaffarpur, Bhagalpur and Ranchi. The headquarters of Government are at Patna. The new capital which lies between the Military Cantonment of Dinapore and the old civil station of Bankipore is known as "Patna," the old town being called "Patna City."

Bihar is more thickly populated than Germany. Hindus form an overwhelming majority of the population. Though Muslims form about one-tenth of the total population they constitute more than one-fifth of urban population of the State. Animists account for about 6 per cent. These are inhabitants of the Chota Nagpur plateau and the Santal Parganas, the latter district being a continuation of the plateau in a north-easterly direction.

Although there is a great deal of mineral wealth in Chota Nagpur and important industries are developing in connection with it, still for the bulk of the population of the State agriculture continues to be the basic occupation. Over 80 per cent of the population depends wholly on agriculture, while only 7-8 depends on industries.

The soil throughout the whole of that portion of the Indo-Gangetic plain lying within the State boundaries is extremely fertile, particularly in North Bihar, in parts of which the density of the population is more than 900 people to the square mile. The State occupies a transitional position between Ganges delta with its damp climate so suitable for the paddy crop and the States to the north and west where large irrigation schemes have had to be provided to enable the soil to produce its bounty. As in the delta of the Ganges, rice is by far the most important crop as it occupies normally an area of approximately 12 million acres or over 50 per cent of the net cropped area of the State. As canal irrigation is available only in the Sone Valley and to a moderate extent in Champaran District, the importance of the south-west monsoon to the State of Bihar cannot be overestimated.

In addition to the rice crop, however, other grain crops are grown on a tolerably large scale. Of the monsoon cereals, maize, wheat and barley are extensively grown. The cultivation of oilseeds like castor, mustard and linseed forms a large and important part of the agriculture of Bihar.

After Uttar Pradesh, Bihar is the most important white sugar area in India, some 23 per cent of the total production of white sugar in the country being turned out in Bihar factories.

Jute is also an important crop and is confined almost entirely to the Purnea District on the West Bengal border.

Tobacco is a crop of increasing importance in the State and one which is likely to expand in importance.

LARGE-SCALE INDUSTRY

The main large-scale industries are :

Iron and Steel, Aluminium, Lead, Foundry, General and electrical engineering, Bicycles, Tanning, Leather goods and foot-wear making, Sulphate of ammonia, Hume pipe and R.C.C. products, Asbestos products, Glass and glass-ware, Ceramics, Cement, Heavy chemicals, Woollen textiles, Cotton textiles, Jute textiles, Silk and Art silk, Tobacco, Distilleries, Bezoil, Sugar, food industries, Roller flour mills, Mica and Shellac.

The number of registered factories in Bihar on 31st December 1951 : 2,805.

Number of registered factories in individual principal industries as on 31-12-1951 :

Sugar including 9 Khandasari and 5 Gur factories 40, Cement 5, Iron and Steel including foundries 17, Chemicals 12, Electrical undertakings 22, Rice Milling 119, Dal Milling 21, Flour Milling 22, Cotton textile including 2 small handloom factories 4, Oil Milling 7, Engineering 7, Railway workshop 9, Silk Textile 7, Saw Milling and wood working 29, Paper, Pulp and Paper board 3, Bricks and Tiles 14, Glass and Glassware 10, Motor Vehicles 35, and Jute 4.

Total number of workmen employed in the mines : 2,32,673.

Number of workmen employed in individual industries as on 31-12-1951 :

Sugar 22,507, Cement 4,125, Iron and Steel 34,832, Chemicals 918, Electrical undertakings 2,587, Rice Milling 4,777, Dal Milling 379, Flour Milling 234, Oil Milling 2,571, Cotton Textile 1,398, Engineering 623, Railway workshop 13,623, Silk Textile 307, Saw Milling and Wood working 605, Paper, Pulp and Paper Board 1,309, Bricks and tiles 6,837, Glass and Glassware 1,519, Motor Vehicles 1,007 and Jute 6,103.

COTTAGE INDUSTRIES

The main cottage industries in the State—

(A) Textile Industries : 1) Cotton Weaving, 2) Hand spinning and khadi industries, 3) Sericulture a) Mulberry silk, b) Eri Silk, c) Tassar Silk, 4) Wool sheaving, spinning and weaving, 5) Dyeing and printing, 6) Tailoring, embroidery and Zardozi, 7) and Twine and rope making.

(B) Wood working industries . 1) Sewing, 2) Village Carpentry, 3) Furniture making, 4) Bamboo work and Basketry, 5) Palm leaves products, 6) Handmade paper making, 7) Charcoal burning, 8) Manufacture of toys, combs, flutes, drums, hooks, lathe etc.

(C) Metal industries : 1) Village Smithy, 2) Cutlery, 3) Manufacture of trunks etc., 4) Brass and bell metal work, 5) Gold and Silver smithy.

(D) Leather and allied industries : 1) Tanning, 2) Foot-wear and leather goods making, 3) Manufacture of manure from dead animal, 4) Mother of Pearl button making.

(E) Ceramics Industries : 1) Village pottery, 2) Brick making, 3) Manufacture of stoneware and porcelain articles, 4) Lime.

(F) Chemical Industries : 1) Shellac manufacture, 2) Extraction of saltpetre, 3) Soap making, 4) Kath making, 5) Miscellaneous chemical industry.

(G) Miscellaneous cottage industry.

Budget grant for the development of cottage industries in Bihar for 1952-53 : Rs. 20,00,321 and for 1953-54 : Rs. 21,87,770.

MINERALS

Chief Minerals	Quantity	Value in rupees
Iron ore	About 14 lakhs tons annually	2 crores 10 lakhs.
Coal	About one crore 15 lakhs tons annually	About 26 crores. /
Mica	About 3 lakhs cwt.	About 54 crores.
Manganese	About 25,000 tons	About 15 lakhs.
Kyanite	About 26,000 tons	About 1 crore 31 lakhs.
Asbestos	About 260 tons	1 lakh 81 thousand
Copper ore	About 3,60,000 tons	About 1 crore 20 lakhs.

AGRICULTURE

Main food crops : Rice, Wheat, Barley, Malze, Gram, Khesari and Arhar.

Total production of food crops and total area under food crops : 68,47,000 tons, 2,09,03,000 acres.

Production of each food crop : Rice (49,73,000 tons), Wheat (3,69,000 tons), Barley (1,99,000 tons), Malze (1,60,000 tons), Gram (3,21,000 tons), Khesari (3,82,000 tons), Arhar (1,43,000 tons).

Main cash crops : Sugarcane, Jute, Cotton and Tobacco.

Total production of cash crops and total area under cash crops : 25,46,000 tons and (jute) 6,94,000 bales, 9,33,000 acres.

Production of each cash crop : Sugarcane (25,06,000 tons), Jute (6,94,000 bales of 400 lb. each), Chillies (21,000 tons), Tobacco (19,000 tons).

Variety of fish produced (inland) : Carg, Cat-fishes, leather backs, Murrells and miscellaneous. Estimated production of fish : 10 lakh maunds valued at Rs 7 crores approximately.

Estimated fishing population : 22 lakhs.

Forests

Total forest area : 15,038 square miles. Total area of private forests : 11,796 sq. miles. Types of forests : Mainly sal.

Total revenue from forests for 1951-52 : Rs. 61,77,265 and total expenditure : Rs. 57,46,232.

Main forest produce	Quantity	Value in rupees
Timber	4,913 c ft	Rs 40,01,071
Fuel	7,955 c ft	.. 13,99,364
Bamboo	1,38,31,179 Nos	.. 8,55,641
Sabugrass	42,632 md	.. 54,945
Kendu leaves	91,265 md	.. 77,268
Thatch grass	1,043 md	.. 461
Broom grass stick	45,895 md	.. 6,128
Lac	105 md	.. 8,122

An afforestation division has been functioning since 1951. An area of 304 acres was afforested during 1952.

Total number of Cattle : 152,97,476; Cows 68,59,904; buffaloes 33,15,875; working bulls (cattle over 3 years) 61,68,187; bulls (buffaloes) over three years 6,47,571; horses and ponies 6,52,926; sheep 10,49,589; goats 59,41,259; donkeys 39,946; mules 2,389; camels 1,335; pigs 6,52,756.

Poultry : Hens 21,07,142; cocks 16,36,521; chickens 40,68,561; ducks 1,90,086; drakes 1,12,117; ducklings 1,50,133.

TRANSPORT

Total mileage of roads : 6,376 miles; metalled roads : 3,278 miles; unmetalled roads : 2,275 miles.

Total mileage of waterways : Length open for navigation : 197 miles.

The transport has been nationalised and the transport authority is at present the Rajya Transport, Bihar. Pending the formation of the State Transport Corporation, the services are being run departmentally and a committee has been set up for the administration of the scheme.

Capital invested (1952-53) :

Main Scheme	Rs 41,86,285- 0-3
Jamshedpur	Rs 3,32,136- 9-9
Total	Rs 45,18,421- 10-0

Total mileage covered : Main Scheme 338 miles; Jamshedpur 23 miles and Seraikella 96 miles.

Total expenses of authority (1952-53) :

Main Scheme	Rs 2,25,683- 0-0
Jamshedpur	Rs 3,08,146 15 0
Seraikella	Rs 62,059 2 0
Total	Rs 5,95,889- 2-0

Total revenue (1952-53) :

Main Scheme	Rs 5,30,636 12-6
Jamshedpur	Rs 4,02,155- 0-0
Seraikella	Rs 85,808 3-0
Total	Rs 10,18,600- 5-6

Profit

Main Scheme	Rs 1,08,937 0 0
Jamshedpur	Rs 1,02,677 0 0
Seraikella	Rs 2,11,614 0 0
Total	Rs 2,11,614 0 0

Extra amenities have been provided for the passengers in the form of modern comfortable buses with foam rubber cushioned seats accommodating in a convenient and luxurious manner 38 passengers excluding drivers. Special luxury coaches having more commodious seats furnished with pleasing upholstery, lights, special head-rests, green perspex windows, clocks and fans with individual control, are also available on important routes.

After nationalisation, only the third class fare has been increased by 25 per cent. But the Rajya Transport are charging fares at the rate fixed by Government prior to the increase.

A five-year plan is being drawn up by the Government for expanding the nationalised transport.

TRADE

Statement showing exports and imports during 1951-52 (1st April 1951 to 31st March 1952). The first two items in numbers, rest in maunds.

Article	Exports	Imports
Cattle (excluding sheep and goats)	55,268	40,942
Sheep and goats	189,222	6,501
Bones	486,287	16,579
Cement	13,248,863	515,706
Coal and coke	254,120,862	37,068,949
Cotton twist and yarn (Indian)	640	185,476
Cotton piecegoods (Indian in bales)	2,007	1,013,430

Article	Exports	Imports
Dyes and tans (Myrobalans)	27,622	13,493
Fruits dried	21,481	351,241
Glass	82,914	114,750
Grain, pulse and flour	1,541,000	10,924,867
Hemp, Indian and other (Fibres excluded)	61,937	8,020
Hides, skins and leather	484,472	26,839
Jute	4,678,332	44,642
Gunny bags and cloths	598,811	226,088
Iron and steel bars, sheets, girders and other commercial forms of iron and steel	18,184,826	2,830,827
Lac and shellac	176,307	118,042
Manganese ore	1,321,704	—
Oils, oilcakes and oilseeds	1,061,022	5,008,955
Salt	33,635	6,694,804
Sugar	4,650,297	341,665
Gur	125,543	788,507
Tea	9,250	41,825
Tobacco (Raw)	322,532	132,589
Wood and timber	2,095,073	1,315,838

IRRIGATION

Total area irrigated in 1951-52 : 9,10,533 acres.

Area irrigated by tube wells in 1951-52 : 52,944 acres.

Area irrigated by Government irrigation works : 8,58,560 acres.

The larger irrigation works are : Sone Canal covering Shahabad, Patna and part of Gaya District, Tribeni Canal, Dhaka Canal and Teur Canal covering Champaran, and Sakr Canal covering Gaya District.

Number of Irrigation projects in execution : 29.

Total area which will be irrigated : 2,39,624 acres.

Total cost : Rs 1,78,38,242.

25 per cent or in some cases only 12½ per cent of the cost is met by Central subsidy. The rest is initially borne by the State, 50 per cent or 75 per cent of the cost being ultimately recoverable from the beneficiaries.

Annual increase : 37,000 tons foodgrains is the estimate : G.M.F. Schemes for 1953-54 (under special Minor Irrigation Programme).

Total number of irrigation projects planned but not executed : 19 (four in Patna Division, 10 in Tirhut Division, four in Bhagalpur Division, and one in Chotanagpur Division).

Total area which will be irrigated : 76,771 acres.

Total cost : Rs 69-49 lakhs.

Irrigation Projects*

Name of Project.	District/Area benefited.	Date begun.	Date of completion.	Total Cost Rs. in Lakhs.	Development Expenditure—Five Years 51—56 Rs. in Lakhs.	Area to be irrigated on completion in '000 acres.
300 tube-wells in North Bihar	Champaran, Muzaffarpur, Dharbanga and Saran	1950-51	1955-56	1.83	1.74	120
Tube-wells in South Bihar	Shahabad and Patna	1948-47	...	1.48	85	114
Drainage of chauras and other small irrigation and flood protection schemes	Patna, Gaya, Shahabad, South Monghyr, Bhagalpur and Santhal Parganas	1948-40	....	3.75	1.18	115
Sakri (Lower Valley) Scheme	Monghyr and Gaya	1948-49	..	35	10	50
Tribeni canal extensions	Champaran	1950-51	1955-56	28	23	28
Emergency pumping schemes	Entire State	1951-52	1955-56	93	93	90
Further 300 tube-wells in sugar factory areas	North Bihar	1953-54	1955-56	1.61	1.61	120
Sakri (Upper Valley) Irrigation	Gaya	1952-53	1957-58	93	53	60
Further 200 tube-wells in South Bihar	Gaya, Patna, Shahabad, North Bhagalpur and North Monghyr	1952-53	1955-56	98	98	80
Irrigation dams and weirs in hilly districts	Chota Nagpur and Santhal Parganas	1951-52	....	2.00	1.58	75
TOTAL				14.14	9.73	852

Power Projects*

						Installed Capacity—Power in thousand kW's.
P.B.B.E.B. scheme in emergency tube-wells irrigation scheme (electrical)	Patna-Barh, Bhaktiarpur, Ekargasara, Bihta	1949-50	1955-56	84	61	Power purchased from Patna Electric Supply Co., Ltd.
Dehri-Sasaram Bit Irrigation and electrification scheme	Dehri-Sasaram and the neighbourhood	1949-50	1955-56	67	54	Power purchased from the Rohtas Industries Ltd., Dalmianagar
Gaya electric supply scheme	Gaya and the neighbourhood	1949-50	1955-56	80	64	1
Hazariabagh electric supply scheme	Hazariabagh and the neighbourhood	1950-51	1955-56	33	28	Power purchased from D.V.C.
Kodarma and Mica mines electrification scheme	Kodarma and neighbouring mica mines and villages.	1951-52	1955-56	16	45	Power purchased from D.V.C.
Coal mines area electrification scheme	Coal mines area	1951-52	After 1955-56	3.97	1.50	Power purchased from D.V.C.
Taking over of derelict electric supply undertakings	Purulla, Sahelganj, Muzaffarpur, Monghyr and Darbhanga	1952-53	After 1955-56	33	18	1
Girdih electric supply scheme	Girdih township and neighbourhood	1950-51	1955-56	..	18	Power purchased from Binladh Rly. Power House.
Girdih-Madhupur-Jaskidh electric supply	Girdih - Madhopur - Jaskidh and Deogarh	1952-53	1955-56	27	27	Power purchased from Binladh Rly. Power House.
North Bihar tube-well and electrification scheme	Northern areas of Bihar State	1951-52	1955-56	1.77	1.71	4
Buxar tube-well and electrification scheme	Buxar and the neighbouring areas	1951-52	After 1955-56	47	27	1
Thermal power station scheme in North Bihar	Northern areas of Bihar State	1954-55	After 1955-56	1.10	46	4
TOTAL				11.20	7.09	11

LAND RECLAMATION

Area of land reclaimed by State Tractor Organisation : 15,335 acres.

Area developed : 15,335 acres.

Number of tractors available : 39.

Budget allotment for land reclamation for 1951-52 : Rs. 1,33,325, and for 1952-53 : Rs. 1,27,778.

LAND TENURE

The land tenure system in Bihar is governed by the following Tenancy Acts: The Bihar Tenancy Act, 1855, The Chotanagpur Tenancy Act, 1908 and the Santal Parganas Tenancy (Supplementary Provision) Act, 1949.

There are three types of proprietors of lands. 1) The Zamindars having proprietary right in by far the largest area in the State. 2) Proprietors with whom a very small area is settled periodically for a term of years and 3) the Government holding an equally small area as landlord.

The raiyats are classified as raiyats at fixed rents or rates and occupancy raiyats. A very small area is held by non-occupancy raiyats who have no permanent and heritable interest in their holdings. There is also a small number of under raiyats having occupancy rights holding lands both under raiyats at fixed rents and under occupancy raiyats.

A small area of land is cultivated by private Zamindars themselves.

The Government of Bihar enacted the Bihar Land Reforms Act, 1950 which provides for the liquidation of Zamindari system in the State.

The Bihar Land Reforms Act, 1950 was put into force with effect from 25th September 1950, and to start with, all estates and tenures with gross annual income exceeding Rs. 50,000 have been notified under section 3(1) of the Act. It was further decided to acquire all the Zamindaris in the districts of Gaya, Monghyr, Hazariabagh and Darbhanga. The smaller Zamindaris in these districts are in the process of acquisition.

* From the report of the Planning Commission.

The entire State barring a limited portion which is Khasmahal, is covered by the Zamindari and will be released in consequence of the abolition of Zamindari.

The Government has laid down a sliding scale for the assessment of compensation. Where the net income does not exceed Rs. 500, the compensation payable is twenty times the net income, and where the net income computed exceeds Rs. 1,00,000 it is payable at three times the amount.

The assessment of compensation for mines and minerals has either to be fixed by agreement or by a tribunal appointed for the purpose.

As for funds to finance compensation, the proposal for Zamindari abolition in Bihar has been drawn up as a self-liquidating scheme. So all the compensation money will be realised from the beneficiaries. The gross rental in the State is estimated at about Rs. 16 crores per annum which is likely to increase at the rate of Rs. 5 lakhs per year as a result of reclamation of waste lands, their development and of the development of forests.

The amount of compensation will be paid in cash or in bonds or partly in cash and partly in bonds. The bonds will be either negotiable or non-negotiable and non-transferable, and will be payable in forty equal instalments, and carry interest at two and a half per cent per annum with effect from the date of issue.

CIVIL SUPPLIES

Rationed articles and quantum of each per adult per week: Rice, Wheat and Milo up to 12 ounces per head per diem. No quantitative restriction on issue of wheat from Government stocks.

Monthly requirement of State according to the quota: 404,431 tons. This is met mainly by uncontrolled distribution of the internal production. Offtake from Government stocks is about 10,000 to 15,000 tons per month in normal year.

Coal and cement are subject to controlled distribution. Kerosene oil, caustic soda, ash, tanning materials, infant food, sulphur, etc. are subject to price control. The maximum price is fixed by the Central Government.

Present State quotas: Coal: 7,000 wagons quarterly; Cement: about 9,000 tons monthly. As these quotas do not move in full scarcity condition continues in respect of these commodities.

There is no control on prices or movement of foodgrains except on paddy and rice in the monopoly procurement area on selected grain outside the State.

All varieties of cloth except Chint, Markin and long cloth of medium and coarse varieties have been decontrolled. Price control on all counts of yarn still continues, 50 per cent of the mills' production of yarn is allotted to the State for controlled distribution. There is no restriction on the movement of cloth and yarn within the State.

There is no control on price of foodgrains.

State's annual requirements according to consumption during 1952:

Rice 2 lakh tons; wheat one lakh tons; millets 30,000 tons; sugar 60,000 tons; salt 69.5 lakh maunds.

Rice prices are almost the highest in India since imports into the State have almost completely stopped after controls.

Cloth and yarn 22,000 bales and 3,500 bales respectively per month.

The State is surplus in sugar and deficit in foodgrains, salt, cloth and yarn. Deficit of food grains especially rice: 3.5 lakh tons; salt: 70 lakh maunds, imported annually. Only 300 bales of cloth is produced by the local mills.

Import quotas during 1952:

Rice 7,795 tons; wheat 104,820 tons; milo 3,165 tons; sugar 60,000 tons; salt 69.5 lakh maunds.

Twenty to thirty thousand bales of cloth and two to three thousand bales of yarn are imported through trade channel.

Prices of overseas rice varies between Rs. 21 and Rs. 28-5-0 per maund; U.D. rice varies between Rs. 22-8-2 and Rs. 24-14-10 per maund. Wheat at Rs. 20-8-0 per maund and Rs. 18-8-8 per maund; milo at Rs. 11-8-0 per maund.

Procurement during the year: Rice 23,337 tons; Wheat 98 tons.

System of procurement: Monopoly and direct purchase only. Urban and industrial areas have to depend largely on imports as the marketable surplus of foodgrains in the rural areas is negligible.

There is no statutory rationing; only controlled distribution. Population living under controlled distribution: Urban 1,289,094; rural 5,375,878. No food subsidy by the State.

CO-OPERATION

Number of Co-operative Societies: 16,639; Membership: 763,130; Working capital: Rs. 7,45,46,883.

Types of Co-operative Societies and number of each type: Provincial 1; Central Credit Co-operative 53; Provincial Central Non-credit 81; Agricultural Credit Co-operative Societies 3,151; Non-agricultural Credit Co-operative Societies 131; Non-agricultural Non-credit Co-operative Societies 855; Cane 5,880; M.P.C.S. 6,420; V.G.C.S. 67.

Multipurpose Co-operative Societies 5,880; Farming Co-operative Societies 6; Milk Co-operative Societies 4; Consumers' Co-operative Stores (Primary) 321; Housing and Co-operative societies 5; Co-operative Banks 53 (including S.C.B.); The Bihar State Co-operative Bank 1; Central Co-operative Banks 53.

Provincial Co-operative Bank 1; (Working capital Rs. 1,58,00,610; Deposits Rs. 72,68,658; Paid-up share capital Rs. 4,14,950; Reserve and other funds Rs. 18,06,669).

Budget allotment for the department for 1952-53: Rs. 23,00,714 (including Cane Co-operative Department).

STATE HELP FOR AGRICULTURE

Manures distributed under State auspices: a) Quantity of compost distributed in 1952: 1,829,804 c. ft. of town compost and 126 millions c. ft. of rural compost; b) Value of oil cakes Rs. 59,18,120; c) Value of fertilisers Rs. 12,94,021.

Improved seeds distributed in 1952: 9,472 maunds.

Number of experimental farms: 21.

As for plant protection, one plant protection officer stationed at Patna is the technical and administrative head of the organisation. There is a mobile squad equipped with plant protection appliances, which provides help for cultivators in case of pest or a disease attack.

Target under the five-year plan for additional food production: 7.75 lakh tons.

Estimated additional production due to Grow More Food Schemes completed during 1952: 4.51 lakh tons.

Highest yield per acre of different crops for which prizes were offered in competition in 1952.

Crops	Highest Yield
Agahany Paddy ..	96 mds. 1 sr. 15 ch.
Rabi Potato ..	485 mds. 25 srs.
Gram ..	40 mds. 32 srs.
Wheat ..	69 mds. 27 srs. 13 ch.
Bhadal Maize ..	58 mds. 32 srs. 3 ch.

Budget grant for 1952-53 for the following schemes:

Seed implements and manures Rs. 30,010; distribution of bonemeal and phosphatic fertilisers Rs. 5,20,000; improved paddy seed multiplication Rs. 2,32,053; Agricultural farms Rs. 6,50,108; Plant protection scheme Rs. 4,42,533; Agricultural implements, etc. Rs. 8,28,087; Experimental Rs. 5,96,257; Musheri farm Rs. 21,204; Guamla farm Rs. 2,908; Araria Plain farm Rs. 12,815; Dumka farm Rs. 16,924; Rural compost Rs. 6,94,282; Town compost Rs. 1,84,654.

Number of stud bulls distributed in 1952-53: 106; number of rams distributed in 1952-53: 26; number of stock maintained during 1952-53: 44.

Number of veterinary hospitals 40; number of animals that can be accommodated at the hospitals 503; number of surgeons 190; number of stockmen 11. 11 varieties of vaccine and serum are used in the hospitals.

Budget grant for the Veterinary Department for 1952-53: Rs. 15,87,432.

PUBLIC HEALTH

Commonest diseases in the State: Malaria.

Allopathic hospitals 146; Allopathic dispensaries 591; Beds in allopathic hospitals 7,159; Ayurvedic and Unani dispensaries 223 and 11 respectively; T.B. hospital 1; Mental hospitals 2; Beds in T.B. hospital 185 and in Mental hospitals 1,380.

Allopathic doctors 5,217; Nurses 635; Trained dais in urban and rural areas 43; Compounders 1,908; Ayurvedic and Unani doctors 476; Nurses 276; Compounders in Government employment 239.

Number of Medical Colleges (Allopathic) 2; Government Ayurvedic 1; Private 2; Government Unani 1.

Budget allotment to the Public Health Medical for 1952-53: Rs. 1,05,98,702; Budget allotment for 1953-54: Rs. 1,17,70,478.

LABOUR

Average daily number of workers in registered factories as on 31st December 1951: 1,92,140.

Industries in which minimum wage is fixed: Agricultural employment; Woollen carpet making and shawl making; Rice, flour, dal and oil milling; Bidi making; Lac manufactures; Road construction and building operation; Stone breaking and stone crushing; Employment in public motor transport; Tanneries and leather manufactures; Mica works; Tea plantations; Employment in local bodies.

Cost of Living Index for the month of March 1953:

Patna	454
Muzaffarpur	442
Monghyr	400
Jamshedpur	442
Jharia	520
Dehri-on-Sone	499

Average monthly earning of workers in 1939: Rs. 27.

Average monthly earning of workers in 1951: Rs. 83.

Number of industrial disputes in 1952: 378.

Number of workers affected: 105,730.

Number of strikes and lockouts: 45.

Number of workers affected: 12,931.

Number of man-days lost: 38,681.

Important State laws affecting industrial disputes: Bihar Maternity Benefit Act, 1947; Bihar Workmen's Protection Act, 1948.

Number of trade unions in the State: 430.

Total membership of trade unions: 232,858.

Number of labour welfare centres: 4.

Number of houses built through the Industrial Housing Scheme - 720

Housing Authority.—The State Government takes decisions on all important matters relating to the Industrial Housing Scheme in consultation with a Provisional Industrial Housing Board

A portion of the cost of the housing scheme is given by the Government as loan and the rest is borne by the employers.

Sources of Finance.—Under the Industrial Housing Scheme of the Government of India, 1/3rd of the capital is given as interest free loan by the Government of India and 2/3rd is supplied by the State Governments or employers sponsoring them. Under the Bihar Industrial Housing Scheme 50 per cent of the capital is given as loan at 3 per cent interest per annum by the State Government and 50 per cent is provided by the employers. Under the Subsidised Industrial Housing Scheme of the Government of India 37½ per cent and 25 per cent of the capital cost as loan and subsidy respectively are given by the Government of India. The rest are to be provided by the undertakers of a housing project.

508 two-roomed and 212 one-roomed houses have so far been built at Jamshedpur under the Bihar Industrial Housing Scheme.

Cost of building a house of L4 (two-roomed) type, Rs. 7,243-7-6; A4 (one-roomed) type, Rs. 5,129-15-10; K2 (two-roomed) type, Rs. 6,000.

The rent to be charged from a worker occupying a house built under the Bihar Industrial Housing Scheme is 2½ per cent of the cost incurred in the construction and the provision of such amenities as water, drainage, sewerage, latrine, light, etc., subject to a maximum of 10 per cent of the monthly wages of the worker concerned.

Under the Bihar Industrial and Housing Scheme the loan and the interest are repayable in 25 years. The first such instalment of repayment of loan is to start within 24 months of the advance of the loan. The loan under the subsidised Industrial Housing Scheme of the Government is repayable in 15 years.

The houses have been built by Messrs. Telco, Jamshedpur. L4 type 151, A4 type 212, K2 type 357.

Under the Bihar Industrial Housing Scheme and the Industrial Housing Scheme of the Government of India Rs 40 lakhs and Rs. 3½ lakhs have so far been advanced to Messrs.

Telco, Jamshedpur and Messrs. Dwarkadas Radhakrishna and Bhartiya Engineering Works, Sahibganj respectively.

EDUCATION

Universities: Patna University, a purely teaching university, situated in Patna; Bihar University, a teaching-cum-affiliating university.

High grade research institutions: 4. Nalanda Pali Institute at Nalanda; Mithila Institute at Darbhanga. Bihar Rashtra Bhasha Parishad; K. P. Jayaswal Institute.

Compulsory primary education is in force in the municipal (urban) areas of 17 towns and in one rural area.

Students are taught through the medium of regional languages upto 11th class. Hindi as compulsory language begins in class IV. From class VI onwards all non-language subjects are taught in Hindi. English as compulsory starts in class VIII.

Number of literates according to 1951 census 12.83 per cent of the total population. Attempts are being made to make at least 50 per cent of illiterate population literate within the next five years.

(For more details on education in the State see the chapter on education)

POPULATION OF DISTRICTS

	Total	Males	Females	Rural	Urban
Bihar	40,225,947	20,223,675	20,002,272	37,521,216	2,704,731
1. Patna	2,528,272	1,297,266	1,231,006	2,070,478	457,794
2. Gaya	3,070,499	1,535,362	1,535,137	2,853,807	216,692
3. Shahabad	2,688,440	1,358,143	1,329,997	2,507,861	180,579
4. Saran	3,155,144	1,501,253	1,653,891	3,028,986	126,158
5. Champaran	2,515,343	1,267,406	1,247,937	2,410,483	104,860
6. Muzaffarpur	3,520,739	1,730,750	1,789,989	3,385,043	135,696
7. Darbhanga	3,769,534	1,844,201	1,925,333	3,609,443	160,091
8. Monghyr*	2,849,127	1,434,824	1,414,303	2,582,010	267,117
9. Bhagalpur	4,420,069	2,281,681	2,138,388	4,307,024	112,045
10. Saharsa	1,308,198	672,677	635,521	1,308,198	0
11. Purnea	2,525,231	1,319,262	1,205,969	2,430,352	94,879
12. Santhal Parganas	2,322,092	1,172,594	1,149,498	2,225,312	96,780
13. Hazari Bagh	1,937,210	981,264	955,946	1,804,084	133,126
14. Ranchi	1,861,207	938,255	922,952	1,736,162	125,045
15. Manbhum (Purulia)	1,547,559	780,309	767,250	1,463,216	84,343
16. Dhanbad	731,700	410,140	321,560	658,098	73,602
17. Palamou	985,767	498,564	487,203	948,760	37,007
18. Singhbhum	1,480,816	752,424	728,392	1,191,899	288,917

ADMINISTRATION

GOVERNOR.

Ranganath Ramchandra Diwakar.

PERSONAL STAFF.

Secretary to Governor, Pushkar Thakur, I.A.S.

Military Secretary to Governor, Major R. D. Chandavarkar.

Aide-de-Camp, Captain P. R. Gadagkar.

Honorary A. D. C., Subedar-Major and Hony. Lt. Asanandan Singh.

Private Secretary to Governor, R. Srinivas Rao

CABINET MINISTERS.

Chief Minister and Minister for Political and Appointment (minus Transport and Information), Dr. Sri Krishna Sinha.

Finance, Labour Development (Agriculture only), Dr. Anugraha Narain Sinha.

Irrigation and Electricity, Ram Charitra Singh.

Education, Acharya Badrinath Verma.

Revenue, Excise, Krishna Ballabh Sahai.

Development (Co-operative Veterinary, and Animal Husbandry only), Dip Narayan Sinha.

Judicial and Legislative, Shivanandan Pd. Mandal.

Political (Transport and Information only), Development (Industries including Cottage Industries), Mahesh Pd. Sinha.

Public Works, Public Health, Engineering, Muhammad Shaif.

Jails, Relief and Rehabilitation, Shah Md. Ornar Munim.

Local Self-Govt. and Welfare (Scheduled Castes, Scheduled Tribes and Backward Classes), Bhola Paswan.

Supply and Price Control, Medical and Health, Hari Nath Mishra.

Deputy Minister for Local Self-Govt. and Relief and Rehabilitation, Nirpad Mukherjee.

Dy. Minister for Development (Agriculture only) and Labour, Birchand Patel.

Dy. Minister for Development (Cottage Industries only), Revenue (Minor Irrigation, Waste Land Reclamation), Abdul Ahad Mohaymad Noor.

SECRETARIAT.

Chief Secretary to Government, L. P. Singh, I.C.S.

Secretary to Government, Finance Department, S. N. Singh.

Secretary to Government, Revenue Department, Qamarul Huda, I.A.S.

Secretary to Government, Labour Department, R. S. Pande, I.A.S.

Secretary to Government, P.W.D., T. P. Singh, I.C.S.

Secretary to Government, Development Department, Ranchor Prasad, I.A.S.

Secretary to Government, Education Department, J. C. Mathur, I.C.S.

Secretary to Government, Local Self-Government Department, P. K. J. Menon, I.A.S.

Secretary to Government, Law Department, Ram Ratna Singh.

Secy. to Food Production and Development Commissioner, B. K. Dutt.

Secy. to Govt., Welfare Dept., Rameshwar Prasad, I.A.S.

Secy. to Govt., Relief & Rehabilitation Dept., and Relief and Rehabilitation Commissioner, Bihar Kripa Narayan Singh, I.A.S.

Member, Board of Revenue, N. Bakshi, I.C.S.

Add. Member, M. S. Rao.

Secretary, Board of Revenue, Mani Bhushan Mukharji.

Add. Secretary, Political and Development Department, S. J. Majumdar, I.C.S.

Custodian of Evacuee Property, Rajeshwar Prasad Singh.

Secretary, Bihar Legislative Council, S. C. Lall, Bar-at-Law.

Secretary, Bihar Legislative Assembly, Raghu-nath Prasad.

Public Service Commission (for Bihar)

Chairman, Dr. Amar Nath Jha.

Member, Bhagwat Prasad.

Secretary, Pradhan Suryavarti Prasad.

HEADS OF DEPARTMENTS

Accountant-General, S. Natrajan, M.A., B.L., I.A. & A.S.

Collector of Excise (Central), Tarachand Seth, I.R.S., A.I.S.M., A.M. I.M.M.

Commissioner of Income-tax (Central), B. B. L. Kapur, B.Sc., LL.B.

Postmaster-General (Central), Major Lochan Singh, M.Sc. (England), (Belfast)

Chief Conservator of Forests, Shyam Sundar Prasad

Chief Engineer, P.W.D., M. L. Bahl, I.S.E.

Chief Engineer, Irrigation, D. Mehta, I.S.E.

Chief Inspector of Factories, A. Samad.

Commissioner of Labour, Bhagwat Prasad Singh, I.A.S.

Director of Agriculture, B. P. Akhaury.

Director of Animal Husbandry, S. K. Sen.

Director of Veterinary Services, M. I. Malik, B.Sc., M.R.C.V.S.

Director of Education, Kirihori Prasad Sinha, B.E.S.

Commissioner of Excise, Sinheshwar Pd Sinha, I.A.S.

Superintendent of Government Press, C. P. Sharma.

Director of Industries, S. M. Ali, Dy. Magistrate

Director of Health Services, Lt-Col. D. P. Nath, I.M.S.

Director of Publicity, Rash Bihari Lal

Inspector-General of Police, M. K. Sinha, I.P.

Inspector-General of Prisons, Harihar Pd Singh, I.A.S.

Inspector-General of Registration, Sinheshwar Pd Sinha, I.A.S.

Registrar of Co-operative Societies, B. N. Rohatgi, I.A.S.

Settlement Officer, Shiva Prasad Singh, I.A.S.

Superintendent of Census, Ranchor Prasad, I.A.S.

HIGH COURT

Mr. Justice David Ezra Reuben, I.C.S., Barrister-at-Law, *Chief Justice*

Mr. Justice Saivind Jafar Imam, Barrister-at-Law, *Puisne Judge*

Mr. Justice Sudhanshu Kumar Das, I.C.S., *Puisne Judge*

Mr. Justice V. Ramaswami, I.C.S., Barrister-at-Law, *Puisne Judge*

Mr. Justice Jugal Kishore Narayan, M.A., B.L., *Puisne Judge*

Mr. Justice Brahmadev Prashad Jamuar, Barrister-at-Law, *Puisne Judge*.

Mr. Justice Bashisth Narain Rai, *Puisne Judge*
Mr. Justice Chandreshwar Prasad Sinha, *Puisne Judge*.

Mr. Justice Khaleel Ahmad, Barrister-at-Law, *Puisne Judge*

Mr. Justice Satish Chandra Misra, *Puisne Judge*.

Mr. Justice Kuli Kumar Banerji, *Puisne Judge*

Mr. Justice Rati Kant Choudhary, *Puisne Judge*

Muhammad Yahya, M.A., B.L., *Registrar*

Jugal Kishore Prashad, B.L., *Deputy Registrar*

Jitendra Narayan, M.A., B.L., *1st Assistant Registrar*

Govind Mohan Misra, B.L., *2nd Assistant Registrar*

Udit Narayan Varma, *Commissioner for Oaths and Affidavits*

BIHAR UNIVERSITY

Wheeler Senate House, Patna-5.

Vice-Chancellor, Lt-Col. Shri Syammandan Sahaya, B.A., M.P.

Registrar, Bishwa Mohan Kumar Sinha, M.A. (Pat.), B.L. (Pat.), B.A. (Lond.)

The Bihar University is a teaching-cum-affiliating University

Provision for the teaching up to the Post-graduate standard has been made in the following subjects—English, Hindi, History, Economic and Mathematics. Scholars work under Professors and submit their theses for research degrees.

Number of colleges affiliated—Constituent Colleges—2 Government managed Colleges—1, Affiliated Colleges—30.

Number of students—About 12,000

Income (1952-53—budget—estimated) Rs. 13,47,048-2-11

Expenditure, Rs. 15,44,850

Grant from the State Government, Rs. 19,29,166

Colleges affiliated to the Bihar University: Langat Singh College, Muzaffarpur; Ranchi College, Ranchi; A.N.S. College, Barh; Bihar Veterinary College, Patna; Bihar Institute of Technology, Shindil; C.M. College, Darbhanga;

Darshan Das Mahila College, Muzaffarpur; D.A.V. College, Siwan; Deoghar College, Deoghar; Gaya College, Begusarai; Government Agricultural College, Sabour; H.D. Jain College, Arrah; J.K. College, Purulia; Koshi College, Khatwaria; Madan Mohan Malviya College, Khatwaria (Patna); Marwari College, Bhagalpur; Medical College, Darbhanga; Munshi Singh College, Motihari; Nalanda College, Biharsharif; Purnea College, Purnea; Rajendra College, Chapra; Ram Dayalu Singh College, Muzaffarpur; Raja Sahib Prasad College, Jharia; Rajanarain College, Hajipur (Muzaffarpur); Ranchi Women's College, Ranchi; R.D. & D.J. College, Monghyr; R.K. College, Madhubani (Darbhanga); Samastipur College, Samastipur; S.K.J. Law College, Muzaffarpur; S.P. Jain College, Sasaram (Shahabad); S.R.K. Goenka College, Sitamathi; S. Sinha College, Aurangabad (Gaya); St. Columba's College, Hazaribagh; St. Xavier's College, Ranchi; Sundarvati Mahila Mahavidyalaya, Bhagalpur; T.N.J. College, Bhagalpur

Colleges and Institutes affiliated to the University—Institute of Music, Institute of Psychological Research & Service, Bihar College of Engineering, Patna; B.N. College, Patna; Magadh Mahila College, Patna; Patna College, Patna; Patna Law College, Patna; Patna Training College, Patna; Patna Women's College, Patna; P.W. Medical College, Patna; Science College, Patna; Women's Training College, Patna

ASSOCIATIONS

BIHAR HARIJAN SEVAK SANGH

Annie Besant Road, Patna-4

Nature of Body—Social

President, Acharya Badrinath Varma, Minister for Education Bihar

Secretary, Nagendra Narayan Sinha

Assistant Secretary, Aswini Kumar Sinha

INDIAN SUGAR MILLS ASSOCIATION, BIHAR BRANCH

"Hasan Manzil," Fraser Road, Patna 1.

Nature of Body—Commercial

President, Shantiprasad Jain.

Vice-President, Raja Balkrishnalal Pittle.

Secretary, C. J. Mehta

BOMBAY STATE

	Area (square miles)	Population (1951 census)
Bombay State ..	111,434	35,956,150
Greater Bombay ..	91	2,839,270
Bombay City ..	25	2,329,020
Bombay Suburban District ..	66	510,250

Rural population of the State : 24,785,810.

Urban population of the State : 11,170,340.

Number of males . 18,614,862 , Females : 17,341,288.

Density of Bombay State : 323.

Registered birth-rate (1941-50) : 32.9.

Probable birth-rate (1941-50) : Between 41.0 and 41.8.

Registered death-rate (1941-50) : 22.6.

Probable death-rate (1941-50) : 24.9.

Mean Decennial growth rate (1941-50) : 20.8.

Literacy . 24.56 per cent.

In Bombay rural connotes a population living in places with less than 5,000 inhabitants.

Density in rural areas : 230.

Registered Rural birth-rate (1941-50) : 35.8.

Registered Rural death-rate (1941-50) : 24.5.

Registered Urban birth-rate (1941-50) : 26.1.

Registered Urban death-rate in Greater Bombay (1941-50) : 16.

Actual workers : 42.8 per cent.

Non-earning dependents : 57.2 per cent.

For every 945 male heads of households per 1,000 households there were 633 wives of heads.

Districts with an unusually masculine sex ratio were Greater Bombay (596 females per 1,000 males), Ahmedabad (849), Thana (907).

Persons returned as aged 35-54 comprised 10.5 per cent of the population.

Under 15's comprised 39.3 per cent of the population.

Unscheduled Backward Classes : 12.49 per cent.

The census definition of literacy was ability to read or write a simple letter.

Literate : 24.56 per cent ; Literate in Greater Bombay : about 50 per cent.

Male literates : 33.3 per cent ; Female literates : 12.5 per cent.

Literate in eight cities : 46 per cent.

Literate among Backward Classes : 10.67 per cent.

Literate among aged 10 and over : 30 per cent.

Proportion of married women in the reproductive age-groups : 22.18.

Number of languages spoken as mother tongue in Bombay State is 85.

Percentage of population speaking Marathi is 44.08 per cent, speaking Gujarati 31.74 per cent, Kannada 12.1 per cent, Urdu 5.33 per cent.

Percentage of bilingualism among Gujarati speakers was 2.62, among Marathi speakers 3.23, among Kannada speakers 8.04, among Urdu speakers over 50.

485,278 persons returned Hindi as mother tongue, but 440,867 persons were bilingual in Hindi.

GEOGRAPHY

The State embraces a wide diversity of soil, climate and people. In the State there are the rich plains of Gujarat, watered by the Narmada and the Tapi, whose fertility is so marked that it has long been known as the Garden of India. South of Bombay City the State is divided into two sections by the Western Ghats, a range of hills running parallel to the coast. Beyond the Ghats are the Deccan Districts ; south of these come the Karnatak districts. On the sea side of the Ghats is the Konkan, a rice-growing tract, intercepted by creeks which make communication difficult.

The rainfall of the State is derived chiefly from the south-west monsoon between June and October. The amount of rainfall varies widely in different areas from 20" to about 260".

The population varies as markedly as soil and climate. The people of Gujarat although softened by prosperity, are among the keenest trading races in the world. The Deccan peasant has been seasoned by adversity ; the saying goes that the Deccan expects a famine one year in every three, and gets it. The population of the Deccan is much more homogeneous than that of Gujarat, thirty per cent being Mahatras. The Karnatak is the land of the Lingayets, a Hindu reforming sect of the twelfth century, and in the Konkan there is a large proportion of Christians. Three main languages are spoken. Gujarati, Marathi and Kannada with Hindi a rough *lingua franca*. Hindi in the Devanagari script is recognized by the Government as one of the regional languages of the State.

The principal occupation is agriculture, which supports sixty-four per cent of the population. In Gujarat the soils are of two classes, the black cotton soil, which yields the famous Broach cottons, the finest in India, and alluvial, which under careful cultivation in Ahmedabad and Kaira, makes splendid garden land. The dominant soil characteristic of the Deccan is black soil, which produces cotton, wheat, gram and millet, and in certain tracts rich crops of sugar-cane. The Konkan is a rice land, where the crop is grown under the abundant rains of the submontane regions, and in the south the Dharwar cotton vies with Broach as the best in India. There are no great perennial rivers suitable for irrigation, and the harvest is largely dependent upon the seasonal rainfall, supplemented by well irrigation. A chain of irrigation works, consisting of canals fed from great reservoirs in the region of unfalling rainfall in the Ghats, is gradually nearing completion, and this will ultimately make the Deccan immune to serious drought.

More than any other part of India, Bombay State is scourged by famine. The evils have not been unmixed, for tribulation has made the people more self-reliant, and the rise in the values of all produce, synchronising with a certain development of industry, has induced a considerable rise in the standard of living. The land is held on what

is known as the ryotwari tenure, that is to say, each cultivator holds his land direct from the Government under a moderate assessment, and as long as he pays this assessment he cannot be dispossessed.

Names of natural divisions of the State : 1) Greater Bombay ; 2) Bombay Gujarat Division ; 3) Bombay Deccan, Northern Division ; 4) Bombay Deccan, Southern Division ; 5) Bombay Konkan Division.

State Budget (1953-54) :

Revenue : 67,83.58 lakhs

Expenditure : 67,76.00 "

Surplus or deficit : +7.49 "

Names of Districts in each division with names of District headquarters within brackets :

Greater Bombay : Greater Bombay (Bombay).

Bombay-Gujarat Division : Banaskantha (Palanpur) ; Sabarkantha (Himatnagar) ; Mehsana (Mehsana) ; Ahmedabad (Ahmedabad) ; Kaira (Kaira) ; Panchmahals (Godhra) ; Baroda (Baroda) ; Broach (Broach) ; Surat (Surat) ; Amreli (Amreli).

Bombay-Deccan North Division : West Khandesh (Dhulia) ; East Khandesh (Jalgaon) ; Dangs (Ahwa) ; Nasik (Nasik) ; Ahmednagar (Ahmednagar) ; Poona (Poona) ; Satara North (Satara) ; Satara South (Sangli).

Bombay-Deccan North Division : Kolhapur (Kolhapur) ; Sholapur (Sholapur).

Bombay-Deccan South Division : Belgaum (Belgaum) ; Bijapur (Bijapur) ; Dharwar (Hubli).

Bombay-Konkan Division : Thana (Thana) ; Kolaba (Alibag) ; Ratnagiri (Ratnagiri) ; Kanara (Karwar).

Number of districts : 28.

Number of talukas : 302.

Number of District Boards : 26.

Number of Municipal Corporations : 3 ; Municipalities : 224 (32 large and 192 small).

Number of Panchayats : 5,636.

Number of villages : 34,227.

Total number of towns with a population of over 50,000 : 25.

Number of towns with a population over 5,000 : 499.

Strength of the Bombay Legislative Assembly : 316, including one representative of the Anglo-Indian community nominated by the President.

Strength of the Legislative Council : 72.

Number of members returned from the State to the House of the People : 45.

Number of members returned from the State to the Council of States : 17.

BOMBAY LEGISLATIVE ASSEMBLY
PARTY POSITION :—Congress : 267 ; Peasants and Workers' Party : 13 ; Praja Socialists : 9 ; Karmgar Kisan : 2 ; Communists : 2 ; Bharat Krishakar Lok Paksha : 1 ; Scheduled Castes' Federation : 1 ; Independents : 20 ; Vacant : 1.

BOMBAY LEGISLATIVE COUNCIL
PARTY POSITION :—Congress : 59 ; Independents : 7 ; Praja Socialists : 3 ; Peasants and Workers' Party : 2 ; Hindu Mahasabha : 1.

HOUSE OF THE PEOPLE :—Congress : 40 ; Independents : 3 ; Peasants and Workers' Party : 1 ; Scheduled Castes' Federation : 1.

LARGE-SCALE INDUSTRIES

The detailed statistics are for 1951 unless otherwise stated.

Name of Industry	No. of factories in existence	No. of workers	Ex-factory value of products	Total productive Capital employed	Total salaries and wages paid to workers
			Rs.	Rs.	Rs.
Wheat flour	18	1,322	4,31,73,000	91,24,000	14,72,000
Rice milling	7	122	5,30,000	4,00,000	1,62,000
Biscuit making	25	1,901	1,80,07,000	77,00,000	17,59,000
Fruit and vegetable processing	7	662	87,67,000	64,43,000	7,71,000
Sugar	272	6,623	4,01,01,000	2,64,13,000	26,57,000
Distilleries and Breweries	4	351	18,63,000	31,58,000	6,03,000
Vegetable oils	272	13,711	46,67,61,000	13,05,47,000	1,37,06,000
Paints and varnishes	18	1,162	1,86,60,000	87,80,000	20,01,000
Soap	20	2,826	9,09,50,000	4,59,42,000	54,75,000
Glass and glassware	25	5,931	1,47,38,000	1,28,03,000	44,80,000
Ceramics	8	980	12,65,000	47,21,000	4,39,000
Paper and paper-board	14	2,902	98,88,000	1,25,91,000	21,00,000
Matches	9	2,593	1,66,98,000	74,30,000	42,92,000
Cotton textiles	339	380,836	20,18,27,000	125,74,15,000	49,33,07,000
Woolen textiles	7	1,627	3,70,68,000	2,81,38,000	57,08,000
Chemicals	93	13,579	11,24,53,000	12,20,14,000	1,94,39,000
Aluminium, Copper and Brass	97	9,059	10,89,43,000	4,98,78,000	1,00,06,000
Iron and Steel	12	1,865	91,07,000	95,02,000	21,49,000
General engineering and electrical engineering	554	41,564	20,95,95,000	17,69,71,000	5,82,27,000

Names of other large-scale industries with the number of factories and workers respectively within brackets. Government and local fund factories (179; 80,103). Engineering (1,058; 60,350). Minerals and metals (138; 7,719). Food, drink and tobacco (685; 32,881). Chemicals, Dyes, etc (687; 41,300). Paper and printing (529; 19,389). Processes relating to wood, stone and glass (518; 26,123). Processes connected with skins and hides (78; 1,819). Textiles (1,396; 458,296). Miscellaneous (204; 13,818). Seasonal (1,274; 47,653).

Total number of factories 6,835

Total number of workers 789,463.

COTTAGE INDUSTRIES

Names of Cottage Industries. Khadi-hand-spinning and hand-weaving industry; Wool-carding and spinning, Palungur and Nira industry; Bee-keeping industry; Handmade paper industry; Salt manufacturing industry; Fibre industry; Neem seed oil industry; Oil-gum industry; Glue manufacturing industry; Manufacturing of village implements.

Number of khadi and spinning centres under khadi self-sufficiency scheme 335.

Quantity of khadi produced in 1952-53: 531,034 sq. yards

Quantity of palungur produced in 1952-53: 26,113 lb.

Quantity of nira produced in 1952-53: 265,395 gallons.

Quantity of oil produced: 413,186 lb.

Quantity of honey produced: 71,047 lb.

Total value of handmade paper produced: Rs. 50,000.

AGRICULTURE

Total area of the State: 67,436,100 acres.

Cultivable area: 49-05 million acres.

Total area cultivated: 46,951,500 acres.

Cultivable but not cultivated: 1-06 million acres.

Total area of uncultivable land: 20,484,600 acres.

Area under crops: 42-36 million acres.

Area cropped more than once: 1,281,300 acres.

Area of cultivation per capita: 1-37 acres.

Total area under irrigation: 1,976,200 acres.

Forests, barren land put to non-agricultural uses: 18-39 million acres.

Current fallows: 7-04 million acres.

Total production of food crops: 5,056,300 tons.

Total area under food crops: 30,105,300 acres.

Main food crops of State with acreage and total production of individual food crops for the year 1949-50:

Cereals: Rice (3,160,600 acres; 1,031,200 tons); Wheat (2,079,100 acres; 331,400 tons); Barley (24,600 acres; 4,000 tons); Jowar

(11,740,600 acres; 1,570,300 tons). Bajri (6,231,800 acres; 718,100 tons). Ragi (785,300 acres; 243,000 tons). Maize (535,900 acres; 172,600 tons). Kodra (394,500 acres; 117,200 tons). Other cereals (836,600 acres; 227,000 tons).

Total Cereals (25,789,000 acres; 4,414,900 tons).

Pulses. Tur (711,600 acres; 154,400 tons). Gram (894,900 acres; 120,500 tons). Other pulses (2,709,800 acres; 367,500 tons).

Total Pulses (4,316,300 acres; 611,400 tons).

Total area under cash crops: 11,153,600 acres.

Main cash crops of the State with acreage and total production of individual crops within brackets:

Groundnut (2,034,000 acres; 752,000 tons). Castor seed (113,000 acres; 13,000 tons). Cotton (2,191,000 acres; 592,000 bales). Sesamum (264,000 acres; 32,000 tons). Sugarcane (184,700 acres). Condiments and spices (321,500 acres). Linseed (67,000 acres). Coconut (39,600 acres). Other oil seeds (692,100 acres). Rape seed and Mustard (39,300 acres). Fruits and vegetables (314,400 acres). Potato (21,600 acres; 42,200 tons). Other fibres (85,900 acres). Tobacco (238,600 acres). Fodder crops (4,256,200 acres).

HOLDINGS

Slightly more than half the total number of holdings consist of less than 5 acres.

About 80 per cent of the holdings comprising about 40 per cent of the occupied land consisted of holdings of 15 acres and under.

About 18 per cent of the total number of land-holders held about 50 per cent of the occupied agricultural land in holdings of between 15 and 100 acres.

Only 3-8 per cent of the cultivated land is irrigated.

FORESTS (1952)

Total forest area: 18,455 sq. miles.

Total area of reserved forests: 13,822 sq. miles.

Area of protected forests: 1,313 sq. miles.

Area of unclassified forests: 3,320 sq. miles.

Total revenue from forests: Rs. 3,19,82,345 (annually).

Expenditure incurred on forests: Rs. 1,40,35,000 (annually).

Area open to cattle grazing: 16,761 sq. miles.

Number of cattle admitted to graze: 40 lakhs.

Total area under silviculture: 10,600 sq. miles.

Area under artificial regeneration: 1,900 acres.

Number of seedlings planted during Vanamahotsava in 1951: 823,000.

Major forest produce and the quantity of each: Timber (14,108,000 cft.), fuel (47,866,000 cft.) and sandalwood worth Rs. 4,20,001.

Minor forest produce: Bamboos, canes, stones, honey, shikakai and hinda.

Revenue from issue of games licences: Rs. 13,700 per year.

Value of some of the minor forest produce: Bamboos: Rs. 9,19,166. Grass and grazing value: Rs. 26,23,000. Other produce: Rs. 9,12,356.

Total Bovine-population of the State: 16,077,248 (Cattle: 11,915,298; Buffaloes: 4,161,950).

Total number of Sheep: 2,515,121. Goats: 4,311,630. Horses: 134,425. Donkeys: 115,713. Mules: 3,022. Camels: 25,812. Pigs: 73,664. Poultry: 6,285,596. Fowls: 6,244,774. Hens: 3,322,156. Cocks: 934,851. Chicken: 1,987,767. Ducks: 20,658. Drakes: 11,815. Ducklings: 8,349.

TRANSPORT (1953)

Total mileage of roads: 26,673 (metalled roads 14,135 miles; unmetalled roads 12,238 miles).

Total mileage of national highways: 1,228; State highways: 1,863.

Total mileage of major district roads: 8,617; other district roads: 1,942; village roads: 5,925.

Total mileage of cement roads: 145 (excluding municipal areas); asphalt roads: 585 (excluding municipal areas).

Total mileage of railways in the State: 2,627 (Broad-gauge 1,362 miles. Metre gauge: 880 miles. Narrow gauge: 384 miles).

Total mileage of navigable waterways: 600.

Total number of aerodromes: 8.

Total number of mechanical transport vehicles in the State: 71,362 (highest in the country) (motor cycles 6,895; motor cars 39,012; taxis 3,376; stage buses 1,130; lorries 16,608; ambulance cars 119; school buses 104; miscellaneous vehicles 1,088).

Total number of non-mechanical transport vehicles: 28,014 (Victorias 2,523; Tongas 6,508; Dhamdus 118; bullock carts 14,351; hand carts 5,114).

Total number of non-mechanical water craft: About 20,000 (14,000 being fishing craft).

Total number of mechanically propelled water craft: 230 (only for fishing).

Number of combined posts and telegraph offices: 682.

Number of post offices in Bombay Circle (including Bombay State, Saurashtra and Kutch): 3,817.

Total number of letter boxes: 15,030 (Urban 3,587; Rural 11,443).

Total number of postmen: 6,585 (village postmen 3,603; Urban postmen 2,982).

Length of railways, roads, etc. over which mail is conveyed : 23,496 miles

Number of letters, postcards, newspapers, parcels and packets : 475,833,047

Number of inland and foreign money orders issued : 8,320,175.

Amount of money orders issued Inland Rs 27,64,00,758, Foreign Rs. 9,61,005.

Amount of money orders paid Inland Rs 25,89,96,774, Foreign Rs 1,79,39,733

Number of telegraph offices : 619.

Number of telephone exchanges : 57.

Number of public calls offices : 152

Total number of telephones : 42,156

Number of Broadcasting stations in the State

Number of radio licences : 110,795

STATE TRANSPORT (1953)

Passenger Road transport is nationalised in this State, but not the goods transport

Name of the transport authority : Bombay State Road Transport Corporation

The Corporation is constituted under provisions of the Road Transport Corporation Act, 1950

Capital invested in the Corporation by the State Government and the Government of India Rs 861 lakhs

Total mileage covered : About 151,000

Routes covered by nationalised passenger service : There are only a very few pockets left out to be taken over by the Corporation. In the pockets taken over by the Corporation most of the routes are taken over. Presently the operations extend over 1,367 routes all over the State

Number of passenger vehicles owned by the authority : 2,327 (as on 30th November 1953)

Number of goods vehicles : 463 (November 1953)

Number of nationalised city bus services : Three (Baroda, Kolhapur and Belgaum)

Number of municipalised city bus services : Four (Bombay, Poona, Ahmedabad and Sholapur).

Total number of passengers carried in 1952-53 by the Road Transport Corporation : 7,92,18,695

Total amount of goods carried : 3.09 lakh tons of foodgrains (April to September 1953)

Total expenses of the Corporation for 1951-52 : Estimated at Rs. 507.49 lakhs.

Total revenue for 1951-52 : Estimated at Rs 510.49 lakhs

Profit for 1951-52 : Rs 3 lakhs (as per unaudited balance sheet)

Extra amenities provided for passengers. Luxurious and comfortable buses and well-equipped bus stations at important places.

Rate per passenger mile after nationalisation. Nine pies. No difference between pre and post nationalisation rates per mile

Ratio of total wage bill to total working expenses : The total wage bill is about 25.62 per cent of the total working expenses

Number of main and sub-workshops for repair and overhaul : One Central Workshop, 14 divisional workshops and about 45 depot workshops

The nationalisation of passenger transport is expected to be completed during 1954-55

TRADE

Coasting Trade (Imports) Merchandise : Rs 18,55,97,113 (Indian produce and manufactures : Rs 44,66,89,787, Foreign manufactures : Rs 3,89,07,326)

Coasting Trade (Exports) Merchandise : Rs 51,43,79,199, (Indian produce and manufactures : Rs 34,21,25,434, Foreign manufactures : Rs 17,22,53,765)

Total coasting trade (excluding treasures) : Rs 99,99,76,312

Total value of the more important items of imports (Indian produce and Foreign produce) of the subordinate ports of Bombay State : Rs. 9,15,76,724

Total value of the more important items of exports (Indian produce and Foreign produce) at the subordinate ports of Bombay State : Rs 6,49,46,070

Details of total value of private imports into the Port of Bombay :

Food, drink and tobacco : Rs 66,58.07 lakhs

Raw materials and produce and articles mainly unmanufactured : Rs 85,92.13 lakhs

Articles wholly or mainly manufactured : Rs 1,58,34.86 lakhs

Living animals : Rs 4.80 lakhs

Postal articles : Rs 3.33.38 lakhs

Details of total value of private exports (including re-exports) from the Port of Bombay : Food, drink and tobacco : Rs 10,67.06 lakhs

Raw materials and produce and articles mainly unmanufactured : Rs. 33,14.27 lakhs.

Articles wholly or mainly manufactured : Rs 61,23.89 lakhs

Living animals : Rs. 4.32 lakhs

Postal articles : Rs. 1,11.40 lakhs

POWER PROJECTS

Total number of plants generating power in Bombay State : 322 (Steam plants 23; Oil plants 286, Hydro plants 23).

Plants owned by Government : Steam plant : 1, Oil plants : 50, Hydro plants : 4.

Plants owned by private companies : Steam plants : 22, Oil plants : 232, Hydro plants : 19.

Oil plants owned by Municipalities : 4.

Total installed capacity of generating plants : 393,343 kW.

Installed capacity of steam plants : 112,657 kW.

Installed capacity of oil plants : 35,560 kW.

Installed capacity of hydro plants : 245,126 kW.

UNITS OF ELECTRIC ENERGY SOLD IN BOMBAY STATE

(KWH sold in millions)

Domestic consumption, Heat and Power : 25,965.

Lights and fans : 99,161

Commercial light and small power, Heat and Power : 15,919

Lights and fans : 79,361

Industrial Power, Low and medium voltage supply : 168,1114

Industrial Power, High voltage supply : 877,630

Public lighting : 11,289

Traction : 270,916

Irrigation : 4,219

Public water work and sewage pumping : 28,669.

Total number of concerns : 139

KWH generated in millions : 1,841,330

KWH sold in millions : 1,580,274

Total number of cities and towns in Bombay State served with electricity : 183

Total number of Undertakings with own generating stations : 93

Location of these generating stations and their number : Bombay City 1, Ahmedabad District 3, Kaira District 5, Broach District 2; Panch Mahals District 3, Surat District 12, Amreli District 3, Baroda District 3, Mehsana District 8, Banaskantha District 2, Sabarkantha District 1, West Khandesh District 2; East Khandesh District 5, Nashik District 5, Ahmednagar District 2, Poona District 3, Sholapur District 4, Satara North District 7, Satara South District 2; Kolhapur District 2, Belgaum District 3, Bijapur District 2, Dharwar District 7, Thana District 2, Kolaba District 3, Ratnagiri District 1

Power Projects

Name of Project	District Area Benefitted	Date begun	Date of Completion	Total cost Rs. in lakhs	Development Expenditure Five years 51-56 Rs. in lakhs	Installed capacity Power in thousand Kilowatts.
Radhanagari Hydro-electric Project	Kolhapur City and villages between Radhanagari and Kolhapur	1940	1953-54	207	85	5
Kolhapur Emergency Irrigation and City Conversion Scheme	Kolhapur and neighbouring areas	1947	1953	29	17	..
Jog Distribution Scheme	Dandeli, Dharwar, Hubli, Gadag, Byadgi and Ranibennur in Dharwar and Kanara districts	1950	1953-54	213	213	..
Chola Power Station	Bombay, Poona, Kolaba and Thana.	1951	1953	295	267	54
North Gujarat Electric Grid Scheme	Ahmedabad, Kaira and Baroda	1947	1954-55	251	161	..
South Gujarat Electric Grid Scheme	Surat, Rander, Navsari, Billimoria and Bulsar in Surat district.	1947	1955-56	321	230	22
Electrification of towns and villages	7 towns in Bijapur district, 6 towns in Belgaum district, 3 towns in East Khandesh district, 4 towns in Ratnagiri and 1 in Satara districts, 22 villages in Satara district and 10 villages in Bulsar district.	1947	1954-55	96	70	3
Total				1,412	1,043	84

Other power projects under execution :
Koyna Valley Scheme (first stage) : 240,000 kW.
Trombay Thermal Plant Scheme : 50,000 kW.

CO-OPERATION

Total number of co-operative societies : 4,815.
Total membership : 20,87,174
Working capital : Rs. 6,876 lakhs.
Share capital, reserve and other funds : Rs. 1,984 lakhs.
Total number of agricultural societies : 10,143 (8,947 credit societies and 1,196 non-credit societies).
Working capital : Rs. 817.17 lakhs.
Total amount of deposits held by the societies : Rs. 267.11 lakhs.
Better farming societies : 99
Total membership : 5,854
Working capital : Rs. 3,65,203
Paid-up and share capital : Rs. 1,59,803
Co-operative farming societies : 224
Total membership : 6,000
Area covered : 63,000 acres
Cultivated area : 30,000 acres
Better Living societies : 48
Total membership : 4,697
Multipurpose societies : 2,161
Total membership : 2,20,111
Working capital : Rs. 2,87,68,493.
Sale of goods : Rs. 6,68,07,050
Co-operative Marketing Societies : 344 (Of these 84 are cotton sale societies, 13 are fruit sale societies and one is a provincial marketing society)
Number of members (individuals) : 1,01,205
Number of member societies : 4,135
Paid-up share capital : Rs. 50,80,701
Reserve fund : Rs. 61,10,184
Working capital : Rs. 2,70,39,372
Profit : Rs. 14,10,764
Forest Labourers Co-operative Societies : 61
Total membership : 7,755
Number of couples allotted : 80
Share capital : Rs. 1,00,392
Reserve and other funds : Rs. 1,97,215
Non-agricultural societies : 4,412
Total number of members : 11,38,073
Working capital : Rs. 3,313.25 lakhs
Consumers' Co-operative Societies : 1,113.
Total membership : 622,597
Working capital : Rs. 1,48,48,877.
Total sales collected : Rs. 12,90,72,000
Profits earned : Rs. 18,86 lakhs
Dairy societies : 60.
Milk supplied : 96,69,196 lb.
Price of milk : Rs. 30.94 lakhs
Co-operative Housing societies : 769
Number of members : 37,117
Share capital : Rs. 1,51,06,174
Government loan : Rs. 50,52,318
Other borrowings : Rs. 1,21,19,038
Reserve and other funds : Rs. 37,49,846.
Working capital : Rs. 5,59,65,114.
Number of tenements constructed : 3,692.
Number of tenements under construction : 684
Lift irrigation societies : 147
Area under irrigable command : 52,026 acres
Co-operative Societies for displaced persons : 124.
Total of membership : 1,195
Working capital : Rs. 14,40,571.

PUBLIC HEALTH

Commonest diseases in the State

Cholera : Deaths 2,332 (Rural : 2,029 ; Urban : 303).
Small-Pox : Deaths 6,350 (Rural : 4,139 ; Urban : 2,211)
Plague : Deaths 1,139 (Rural : 1,051 ; Urban : 88).
Malaria : Deaths 35,299 (Rural : 31,580 ; Urban : 3,719).
Influenza : Deaths 51 (Rural : 40 ; Urban : 11).
Enteric fever : Deaths 5,379 (Rural : 3,021 ; Urban : 2,358).
Other fevers : Deaths 192,816 (Rural : 188,857 ; Urban : 36,282).
Dysentery and Diarrhoea : Deaths 21,251 (Rural : 14,365 ; Urban : 6,886).

Respiratory diseases : Deaths 99,799 (Rural : 65,958 ; Urban : 33,841).
Other causes : Deaths 239,385 (Rural : 173,224 ; Urban : 66,161).
Total of allopathic hospitals and dispensaries : 1,441 (Rural : 1,055 ; Urban : 386).
Number of Government allopathic hospitals and dispensaries : 400.
Number of beds available : 10,852.
Number of in-patients : 269,841 per year, out-patients : 5,927,875 per year
Total number of operations performed in hospitals : 343,261 per year
Number of allopathic medical colleges : 6.
Number of leprosy hospitals : 17 of which 7 are Government
Number of beds in leprosy hospitals : 2,163
Number of mental hospitals : 6 beds in mental hospitals : 2,354
Number of Tuberculosis hospitals : 17 of which three are Government, beds in tuberculosis hospitals : 1,988 (177 maintained by Government).
Number of cancer hospitals : 1 beds : 100.
Number of ayurvedic hospitals : 6 ; beds : 250
Number of Homoeopathic hospitals : 1, beds : 30
Orthopaedic hospitals : 1.
Number of Government cottage hospitals : 11
Travelling dispensaries : 6
Mobile eye dispensary : 1
Eye camps : 8
Number of subsidised medical practitioners' centres : 352
Subsidised allopathic centres : 100 subsidised ayurvedic centres : 211 subsidised Unani centres : 11)
Total number of patients treated in all centres : 1,023,794
Allopathic medical colleges : 6 (Students 2,800)
Ayurvedic colleges : 6 (Students 951), Dental colleges : 2 (Students 214)
Names of special medical research institutions :
Haffkine Institute, Indian Cancer Research Centre
Number of training classes for nurses and midwives : 21.
Total number of nurses in the State : 5,534 midwives : 724.
Registered Medical Practitioners : 12,052, Vaidhs and Hakims : 4,519, Dentists : 363, Compounders : 5,428

EDUCATION

PRIMARY EDUCATION

Total number of primary schools : 28,896
Total number of pupils : 3,446,434
Total number of teachers : 91,875
Training institutions : 91.
Total expenditure : Rs. 9.73 crores (Contribution by the Government : Rs. 6.54 crores, Other sources : Rs. 3.19 crores)

BASIC INSTITUTIONS

Full-fledged basic schools : 63.
Agricultural bias schools : 206
Craft-teaching primary schools : 2,200.
Full-fledged basic training institutions : 12.

SECONDARY EDUCATION

Secondary schools : 1,403.
Number of boys : 421,540
Teachers : 10,511.
Training institutions, including basic and physical institutions : 9.
Total expenditure : Rs. 4.29 crores (Contribution by the Government : Rs. 1.36 crores, By other sources : Rs. 2.93 crores).

University Education

Number of Universities in the State : 6
Total number of colleges affiliated to the universities : 105.
Total number of students in the colleges : 49,608 (Male students : 41,727, Female students : 7,881)
Total number of arts and science colleges : 61 (Men's 56, Women's 5).
Total enrolment of males : 30,586, females : 7,090
Colleges of Education : 8
Total number of male students in these colleges : 429, Female students : 142.
Number of different types of professional colleges with number of male and female students within brackets : Engineering colleges : 8 (Male students : 1,434, Female students : 3), Technological colleges : 1 (Male students : 117, Female students : 6), Medical colleges : 7 (Male students : 1,516, Female students : 450), Agriculture colleges : 3 (Male students : 848, Female students : 3), Commerce colleges : 7 (Male students : 1,142, Female students : 87), Law colleges : 6 (Male students : 1,761, Female students : 68), Other professional colleges : 2 (Male students : 200)
Colleges for physical education : 1 (Male students : 60, Female students : 16)
College for Social education : 1 (Male students : 34, Female students : 20)
Number of pre-primary schools in the State : 125 (Pupils : 8,836)
Number of special schools : 10,507 (Pupils : 273,898)
Unrecognised schools : 552 (Pupils : 25,840)
Engineering, Technical and Industrial Schools : 177 (Pupils : 14,879)
Commercial schools : 81 (Pupils : 9,349)
Other Vocational schools : 26 (Pupils : 1,719)
Agricultural schools : 18 (Pupils : 1,009)
Total number of all kinds of recognised institutions in the State, including colleges : 40,801 (Pupils : 4,034,355)
Total expenditure on recognised institutions :
From Government funds : Rs. 12,38,72,656 (from Central Government : Rs. 25,53,460)
From District Local Boards and Municipal funds : Rs. 2,27,93,177 From fees : Rs. 4,58,96,746 From other sources : Rs. 2,12,70,688
SOCIAL EDUCATION
Social Education classes : 12,327
Number of adults on roll : 309,007
Adults made literate (in 1949-50) : 132,700
TRAINING SCHOOLS.
Primary training institutions for men : 63
Teachers under training in the schools : 8,218.
Training institutions for women : 32.
Women teachers under training : 3,210
Total expenditure on training of teachers in 1950-51 : Rs. 30,55,604
PROFESSIONAL SCHOOLS
Number of medical schools : 25 (Students : 1,596), Basic schools : 54 (Pupils : 15,721) : Spinning and Weaving schools : 2,129 : Kitchen-gardening and agricultural schools : 262, Cardboard modelling and carpentry schools : 283 ; Village libraries and reading rooms : 3,823 ; Music schools : 32 (Students : 1,838)
SCHOOLS FOR DEFECTIVES, ETC.
Schools for defectives : 16 (Students : 664) ; Schools for mentally handicapped : 2 (Students : 60) ; Schools for the blind : 5 (Students : 201) ; Schools for deaf-blind : 2 (Students : 99) ; Schools for deaf-mute : 7 (Students : 294).

Expenditure on the following schools : Schools for mentally handicapped : Rs. 57,079 ; Schools for the blind : Rs. 73,159 ; Schools for Deaf-blind : Rs. 40,975 ; Schools for Deaf-mute : Rs. 52,215.

LANGUAGE SCHOOLS :

Number of pathashalas for the study of Sanskrit : 57.

Number of pupils in the Pathashalas : 2,308.

Arabic schools for the study of Persian : 18.

Number of pupils in the Arabic schools : 1,110

Secondary schools specially started for the convenience of children of displaced persons : 39

UNIVERSITIES IN BOMBAY STATE

University	Grant paid by the Government during 1950-51
	Rs.
University of Bombay, Bombay (affiliating)	9,00,200
University of Poona, Poona (affiliating)	5,06,333
Karnatak University, Dharwar (affiliating)	7,50,000
Gujarat University, Ahmedabad (affiliating)	6,00,000
Maharaja Sayajirao University of Baroda (affiliating and residential), Baroda	13,81,123
Shrimati Nathubai Damodar Thackersey Women's University, Bombay (affiliating)	3,50,000

RESEARCH INSTITUTIONS :

School of Economics and Sociology, University of Bombay, Bombay

Gokhale Institute of Politics and Economics, Poona.

Tata Institute of Social Sciences, Andheri, Bombay.

The Deccan College Post-Graduate and Research Institute, Poona

Bharatiya Vidya Bhavan, Bombay.

The Kannada Research Institute, Dharwar.

The Bhandarkar Oriental Research Institute, Poona.

The Department of Chemical Technology, University of Bombay, Bombay.

The Tata Institute of Fundamental Research, Bombay.

The Physical Research Laboratory, Ahmedabad.

The Maharashtra Association for Cultivation of Science, Poona.

The Poona Natural History Club, Poona.

The Poona Film Society.

LAND RECLAMATION

Number of tractors maintained by the Mechanised Cultivation Department : 231.

Number of bulldozers : 44.

Area ploughed : Deep ploughing : 153,000 acres ; Shallow ploughing : 226,000 acres, Harrowing : 37,000 acres, Grading and levelling : 103,000 hours.

Area brought under soil conservation : 1,200,000 acres.

Number of agricultural colonisation schemes : 17
Area covered by these colonisation schemes : 25,720 acres.

Total area reclaimed by these schemes : 20,810 acres.

Number of families settled : 1,964.

Reclamation of Khar lands :

Schemes approved 132, covering an area of 60,008 acres.

Scheme completed 48, covering an area of 18,547 acres.

Disposal of Waste lands :

Total area permanently disposed during 1951-52 : 67,238 acres.

Total area temporarily disposed during 1951-52 : 626,355 acres.

AAREY MILK COLONY, 1953

When started : 1949.

Number of units at Aarey : 26.

Number of buffaloes : 15,000.

Total quantity of milk per day from Aarey : 2,000 maunds.

Total quantity of milk per day from Anand : 1,150 md.

Total quantity of toned milk : 800 md.

Quantity of skim milk powder sold monthly to restaurants and hotels in Bombay city : 150 tons

Number of milk centres in Greater Bombay : 700.

Total number of consumers : 800,000.

Quantity of toned milk distributed to school children in Bombay city per day : 40,000 bottles

Value of milk distributed per annum : Rs. 4 crores.

Number of bottles filled daily at the colony : 500,000

Quantity of milk pasteurised in the dairy per hour : 500 maunds.

Number of milk cans washed, steamed, sterilised and dried per hour : 1,200.

Bottle-washing machines : 4

Bottles washed per hour : 48,000.

Employees in the whole Government milk scheme : 2,200.

Visitors to milk colony per month : 25,000

Sale price of milk per seer : 14 annas.

Another large dairy, including milk powder-making plant is being put up at Anand at a cost of Rs. 30 lakhs. It will be ready by October 1955.

HOUSING BOARD

In 1947 the Bombay Government constituted a Housing Organisation to remove the growing housing shortage in the chief industrial cities of the State by a programme of direct construction.

This Organisation known as the Bombay Provincial Housing Board functioned initially as a Department of the Government till the end of 1948

A statutory body known as the Bombay Housing Board was established on January 15, 1949 under the Bombay Housing Board Act, 1948.

The principal functions of the Board are :

1) To formulate and execute the programme of construction of houses for industrial, labour and the low-income group of people in the State ;

2) To facilitate private enterprise as well as local bodies to build houses ;

3) To expedite and cheapen the cost of construction of houses by all possible means ; and

4) To undertake other housing projects for and on behalf of the State Government.

The Chairman of the Board who is nominated by the Government is assisted by four non-official members also nominated by the Government. The Housing Commissioner, a Government officer, is the Chief Technical Adviser and Executive Head of the Organisation.

The construction undertaken and executed by the Board is broadly classified as under :—

1) Industrial housing and allied schemes at Bombay and Ahmedabad ;

2) Housing for the low income group along with ancillary projects in Bombay, Ahmedabad, Sholapur and Hubli ;

3) Housing for displaced persons, including all development schemes at Bombay and Ahmedabad, Baroda, Kolhapur and Pimpri (near Poona), construction of refugee townships—Ulhasnagar, near Bombay, and Sardarnagar, near Ahmedabad ;

4) Subsidized industrial housing schemes in the State (Bombay and Ahmedabad) ; and

5) Development of an area for a township on behalf of Co-operative Societies at Juhu, near Bombay

Number of tenements constructed for industrial workers : 2,233.

Cost of tenements including overhead charges : Rs. 1,55,58,821

Number of tenements for non-industrial housing : 3,741.

Total cost of tenements including overheads : Rs. 1,74,21,018.

Number of tenements constructed for displaced persons : 23,103 (and 1,101 shops).

Tenements under construction : 5,301 and 255 shops.

Tenements proposed to be taken up in 1954-55 : 9,600.

Total expenditure incurred on housing of displaced persons up-to-date : Rs. 6.55 crores.

Total expenditure likely to be incurred on housing in 1954-55 : Rs. 11.20 crores

IRRIGATION

Total area irrigated under cereals, millets and pulses : 1,347,200 acres.

Total area irrigated under sugarcane : 172,400 acres.

Total area irrigated under miscellaneous food crops : 223,200 acres.

Total area irrigated under food crops : 1,742,800 acres.

Total area irrigated under non-food crops : 268,300 acres.

AREAS IRRIGATED BY DIFFERENT SOURCES OF IRRIGATION

Government canals : 378,200 acres.

Private canals : 64,400 acres.

Wells : 1,033,300 acres

Tanks : 154,000 acres.

Other sources : 129,500 acres.

Total number of major irrigation schemes operating in Bombay State : 10.

Total area irrigated : 352,000 acres annually.

Number of major irrigation projects now under construction : 7.

Irrigation Projects

Name of Project.	District/Area Benefited.	Date begun.	Date of completion.	Total Cost Rs. in lakhs	Development Expenditure Five Years. 51-56 Rs. in Lakhs.	Area to be irrigated on completion in '000 Acres.
Gangapur	Nasik	1949	1957	334	234	45
Ghataprabha left bank canal	Belgaum and Bijapur	1949	1957	545	445	100
Mahi right bank canal	Kaira	1948	1956	425	401	90
Banand tank	North Satara	1949	1953	22	19	3
Kolchi Well	Bijapur and Dharwar	1949	1953	11	7	4
Lower Tapi valley (Stage 1)	Surat	1949	1955-56	1,216*	1,151	652
Total †				2,565	2,260	894

* Revised estimates for Rs. 2,911 lakhs are under examination.

† Includes other items.

Total quantity of additional foodgrains that will be produced : 1,78,060 tons.

Number of major irrigation works now under investigation : 15.

Number of those whose investigation has been completed : 6.

Total cost of the mammoth Koyna Valley Hydro-Electric-cum-Irrigation Project : Rs. 92 crores.

Quantity of power generation : 660,000 kW.

Area to be irrigated when project is fully implemented : 440,000 acres.

Number of medium irrigation schemes undertaken : 5 out of 26.

Number of minor irrigation works proposed : 1,779.

Total area to be irrigated : 202,567 acres.

Additional tonnage of foodgrains : 40,413 tons

Number of works completed upto end of February 1953 : 794.

Area irrigated : 102,367 acres.

Quantity of additional foodgrains produced : 30,066 tons.

Minor irrigation works under construction : 513.

Area to be irrigated when completed : 102,290 acres.

Quantity of additional foodgrains to be produced : 24,000 tons.

Capital cost on irrigation in 1946-47 : Rs. 19,000.

Annual expenditure on irrigation in 1952-53 : Rs. 5,11,75,000.

LABOUR

Total number of factories in the State : 6,835.

Average daily number of workers : 780,463.

Names of industries giving the average annual wage of workers within brackets :

Government and local fund factories (Rs. 1,063-72); Cotton spinning and weaving mills (Rs. 1,342-68); Hosiery (Rs. 708-07); Silk mills (Rs. 906-26); Woollen mills (Rs. 1,318-01); Miscellaneous (Rs. 965-30); Textile mills (Rs. 1,310-74); Engineering (Rs. 1,124-17); Minerals and metals (Rs. 938-28); Food, drink and tobacco (Rs. 948-57); Chemicals and dyes (Rs. 860-98); Paper and printing (Rs. 1,038-61); Processes relating to wood, stone and glass (Rs. 734-30); Processes connected with hides and skins (Rs. 728-86); Miscellaneous (Rs. 927-98).

Number of industries covered by the Bombay Industrial Relations Act : 9.

Number of workers covered by the B.I.R. Act : About 500,000.

Number of trade unions in the State : 947.

Total membership of the unions : 748,434

Number of unions affiliated to the Indian National Trade Union Congress : 100.

Total membership of unions affiliated to I.N.T.U.C. : About 200,000.

Total number of labour welfare centres in the State : 54.

Total annual attendance at these centres (in 1953) : 11,033,750.

Number of tenements constructed for industrial workers : 2,233.

Total cost of tenements, including overhead charges : Rs. 1,55,58,821.

(Under Government of India's subsidized Industrial Housing Scheme, 5,920 tenements at Bombay and Ahmedabad have been sanctioned at a total cost of Rs. 22½ lakhs).

CIVIL SUPPLIES

Total procurement of foodgrains from November 1952 to October 1953 :

Rice : 154,000 tons; Wheat : 59,300 tons; Other foodgrains : 38,800 tons.

Cereal offtake from November 1952 to October 1953 : Rice : 302,800 tons; Wheat : 495,600 tons; Coarse grains : 255,400 tons.

Amount of subsidy given for wheat in scarcity areas during 1952-53 : Rs. 22.1 lakhs.

Target fixed for rice procurement during 1954 : 180,000 tons.

Quantity of rice expected from the Government of India : 250,000 tons.

Foodgrains are completely decontrolled in Bombay State excepting rice which is rationed, the quantum being six ounces per head per day. Locally produced wheat is also controlled in 11 cities with a population of 100,000 and more.

ANIMAL HUSBANDRY

Number of Government cattle breeding centres : 4.

Number of subsidised cattle breeding centres : 9.

Number of cattle treated against disease in Government Veterinary dispensaries : 465,418.

Number of animals inoculated against Rinderpest : 359,999.

Number of castrations performed : 71,161.

Number of veterinary dispensaries : 252.

Number of students in Veterinary college : 188.

1951 CENSUS

	Total	Males	Females	Rural	Urban
Bombay Districts ..	35,956,150	18,014,862	17,341,288	24,785,810	11,170,340
Greater Bombay ..	2,839,270	1,779,259	1,060,011		2,839,270
Banaskantha ..	748,796	384,082	364,714	691,954	56,842
Sabarkantha ..	684,017	346,774	337,243	615,005	49,012
Mehsana ..	1,471,662	738,528	733,134	1,148,431	323,231
Amreli ..	317,203	160,974	156,229	230,767	86,436
Baroda ..	1,191,746	624,359	570,387	897,528	297,218
Ahmedabad ..	1,685,630	911,869	773,761	689,445	996,185
Kaira ..	1,612,426	843,250	769,176	1,156,891	455,535
Panch Mahals ..	1,148,432	593,521	554,911	1,011,285	137,147
Broach ..	706,035	363,145	342,890	577,030	129,005
Surat ..	1,827,842	918,277	909,565	1,439,191	388,651
Thana ..	1,518,050	796,007	722,043	993,216	524,834
Ahmednagar ..	1,410,873	715,763	695,110	1,196,041	214,832
East Khandesh ..	1,471,351	716,452	754,899	1,003,918	467,433
West Khandesh ..	1,146,024	581,140	564,884	950,553	195,471
Nasik ..	1,429,916	730,927	698,989	1,059,966	369,950
Dangs ..	47,282	25,196	22,086	47,282	
Poona ..	1,950,976	1,006,201	944,775	1,110,253	840,723
Satara North ..	1,175,309	572,967	602,342	1,014,970	160,339
Sholapur ..	1,505,316	773,809	731,507	1,035,098	470,218
Kolaba ..	909,083	445,580	463,503	813,055	96,028
Belgaum ..	1,726,908	882,278	844,630	1,300,239	417,669
Bijapur ..	1,306,185	705,526	600,659	1,074,731	321,451
Dharwar ..	1,575,386	804,476	770,910	1,082,582	492,804
Kanara ..	517,780	263,206	254,574	394,220	123,560
Ratnagiri ..	1,711,964	769,635	942,329	1,553,858	158,106
Satara South ..	1,000,141	508,240	491,901	713,211	286,930
Kolhapur ..	1,227,547	623,421	604,126	950,090	277,457

LANGUAGES

Below we give the number of persons whose mother tongue is Marathi, Gujarati, etc. The first figure shows the number of males, the second figure the number of females :

Marathi (8,055,140 ; 7,795,492); Gujarati (5,895,208 ; 5,518,346); Kannada (2,224,908 ; 2,125,823); Urdu (1,024,173 ; 892,908); Hindi

(349,322 ; 135,956); Bhili (188,270 ; 181,792); Konkani (166,374 ; 147,303); Telugu (166,425 ; 140,524); Sindhi (146,461 ; 133,630); Rajasthani (146,872 ; 112,462); Tamil (66,009 ; 43,761).

The rest of the languages are spoken by less than a lakh each.

The corresponding figures for some Districts are as follows :

Greater Bombay

Marathi (754,106 ; 482,768); Gujarati (301,200 ; 221,927); Kannada (34,021 ; 17,990); Urdu (186,899 ; 95,076); Hindi (178,565 ; 32,768); Konkani (75,277 ; 54,666); Telugu (47,290 ; 30,710); Sindhi (34,655 ; 32,059); Rajasthani (12,263 ; 3,618); Tamil (37,136 ; 22,159); Punjabi (19,214 ; 12,352); Kachchi (23,377 ; 18,875);

English (18,313, 17,126); Malayalam (25,212; 6,301); Bengali (6,750, 3,219); Tulu (6,816, 1,785); Persian (3,243, 1,643)

The number of languages spoken as mother tongue is 67

Dangs

Marathi (23,565, 21,452); Gujarati (1,362, 140)

Sholapur

Marathi (557,441, 533,121); Kannada (98,890; 89,768)

Belgaum

Marathi (233,938, 225,223); Kannada (567,086, 544,193)

Kanara

Marathi (19,835, 16,495); Kannada (146,370, 136,654); Konkani (75,030, 78,707)

GROUPS BY EDUCATIONAL STANDARD

The number in each group in Bombay State is as follows. The figure preceding the brackets gives the total. The first figure in the brackets gives the number of males and the second the number of females.

Literates, 7,773,538 (5,742,594, 2,030,944); Middle School, 597,683 (470,377, 127,306); Matriculate or S.L.C., 271,610 (230,411, 41,199); Intermediate in Arts or Science, 10,976 (34,816, 6,160).

Graduate in Arts or Science, 48,489 (10,676, 7,813); Post-graduate in Arts or Science, 6,212 (5,361, 881); Graduates in teaching, 34,948 (26,216, 8,732); in Engineering, 9,760 (9,728, 32); in Agriculture, 1,480 (1,323, 7); in Veterinary, 322 (263, 59); in Commerce, 8,645 (8,436, 179); in Law, 12,479 (12,294, 185); in Medicine, 13,069 (10,713, 2,356); Other graduates, 10,467 (7,689, 2,778)

AGRICULTURAL CLASSES

The first figure in the brackets gives the number of males, the second figure the number of females.

Total agricultural classes, 22,098,293 (11,677,932, 11,020,361); Self-supporting (4,686,507, 752,704); Non-earning dependents (5,164,735, 6,895,299); Earning dependents (1,226,090, 3,372,358).

Total cultivators of land wholly or mainly owned and their dependents (7,357,079, 7,291,206); Self-supporting persons (3,033,189, 362,502); Non-earning dependents (3,500,142, 1,687,482); Earning dependents (824,348, 2,241,222).

Total cultivators of land wholly or mainly unowned and their dependents (1,758,253, 1,726,765); Self-supporting persons (759,961, 85,663); Non-earning dependents (810,088, 1,048,913); Earning dependents (197,206, 592,189).

Total cultivating labourers and their dependents (1,640,920, 1,611,626); Self-supporting persons (777,821, 242,021); Non-earning dependents (678,269, 879,270); Earning dependents (184,830, 500,335).

Total non-cultivating owners of land, agricultural rent receivers and their dependents (321,078, 390,704); Self-supporting persons (124,536, 72,518); Non-earning dependents (176,236, 279,634); Earning dependents (120,306, 38,612).

NON-AGRICULTURAL CLASSES

Total non-agricultural classes, 13,857,857 (7,536,930, 6,320,927); Self-supporting persons (3,889,523, 463,527); Non-earning dependents (3,248,169, 5,256,044); Earning dependents (398,938, 601,356).

Total of persons and their dependents who derive their principal means of livelihood from production other than agriculture (2,727,891, 2,221,266); Self-supporting persons (1,455,328, 120,669); Non-earning dependents (1,102,969;

1,814,073); Earning dependents (169,594, 286,524)

Total of persons and their dependents who derive their principal means of livelihood from commerce (1,482,275, 1,254,038); Self-supporting persons (724,539, 57,005); Non-earning dependents (684,758, 1,142,209); Earning dependents (72,978, 54,764).

Total of persons and their dependents who derive their principal means of livelihood from transport (443,416, 358,772); Self-supporting persons (239,829, 7,063); Non-earning dependents (186,122, 332,489); Earning dependents (17,465, 19,280).

Total of persons and their dependents who derive their principal means of livelihood from other services and miscellaneous sources (2,883,318, 2,486,851); Self-supporting persons (1,169,827, 278,850); Non-earning dependents (1,274,620, 1,967,213); Earning dependents (138,901, 210,788).

INDUSTRIES AND SERVICES

The number of employers, employees and independent workers in industries and services in Bombay State are given below. The first figure in brackets shows the number of males, the second figure the number of females.

Total of employers, employees, independent workers, 4,248,220 (3,866,825, 431,395); Employers (197,291, 10,264); Employees (2,148,333, 182,416); Independent workers (1,461,201, 238,716)

PRIMARY INDUSTRIES

Below we give the total number of persons (employers, employees, independent workers) engaged in some individual industries. The first figure shows the number of males and the second figure the number of females.

Stock-raising (62,252, 5,342); Rearing of small animals and insects (923, 107); Plantation Industries (3,443, 456); Forestry and collection of products not elsewhere specified (1,27,501, 2,613); Hunting (633, 105); Fishing (46,330, 6,233)

Mining and Quarrying

Mining and Quarrying (18,832, 2,447); Non-metallic mining and quarrying not elsewhere specified (278, 6); Coal mining (87, 0); Iron ore mining (11, 0); Metal mining except iron ore (1,894, 512); Crude petroleum and natural gas (34, 0); Stone quarrying, clay and sand pits (11,008, 1,676); Mica (7, 0); Salt, saltpetre and saline substances (5,513, 253)

Food Stuffs, Textiles, Leather

Grains and pulses (18,542, 1,666); Vegetable oil and dairy products (31,255, 2,582); Sugar Industries (16,842, 1,308); Beverages (4,856, 107); Tobacco (29,970, 9,808); Cotton textiles (519,340, 44,900); Wearing apparel except footwear (86,721, 7,218); Textiles otherwise unclassified (52,711, 7,104); Leather, leather products, footwear (57,738, 3,003); Food Industries otherwise unclassified (14,440, 1,625)

Iron and steel (9,992, 218); Non-ferrous metals (1,291, 68); Transport equipment (42,572, 479); Electrical machinery, apparatus, etc. (6,372, 110); Machinery other than electrical (27,726, 485); Metal products otherwise unclassified (83,091, 2,391); Basic industrial chemicals, fertilizer and power alcohol (3,411, 297); Medical and pharmaceutical preparations (4,053, 372); Manufacture of chemicals otherwise unclassified (14,568, 1,521); Total for processing, manufacture of metals, chemicals (195,077, 5,971).

Other Processings and Manufactures

Products of petroleum and coal (866, 51); Bricks, tiles, structural clay (11,879, 3,445); Cement and cement products (4,869, 236);

Non-metallic mineral products (36,735, 4,530); Rubber products (2,759, 175); Wood and wood products other than furniture and fixtures (119,649, 6,843); Furniture and fixtures (6,007, 309); Paper and paper products (2,526, 523); Printing and allied industries (20,668, 507); Others (52,071, 1,625); Total (287,920, 18,044).

Construction and Utilities

Buildings (91,808, 12,948); Roads, bridges, and other transport works (13,926, 847); Telegraph and telephone works (261, 67); Irrigation and other agricultural works (9,099, 1,026); Electric power and gas supply (10,259, 178); Domestic and industrial water supply (4,663, 375); Sanitary works and services (16,148, 5,410); Others (4,309, 244); Total (151,373, 21,495)

Commerce

Retail trade in food stuffs including beverages and narcotics (268,153, 34,126); Retail trade in fuel including petrol (30,598, 3,247); Retail trade in textiles and leather goods (82,780, 1,958); Wholesale trade in foodstuffs (16,521, 1,066); Wholesale trade in commodities other than food stuffs (66,022, 2,143); Real estate (2,766, 242); Insurance (9,430, 286); Money lending, banking and other financial transactions (55,599, 1,422); Retail trade otherwise unclassified (192,670, 11,915); Total for commerce (724,539, 57,005)

Transport, Storage, Communications

Transport by road (96,002, 3,576); Transport by water (49,763, 1,270); Transport by air (2,892, 94); Railway transport (88,923, 1,943); Storage and warehousing (4,261, 159); Postal services (16,829, 544); Telegraph services (3,217, 130); Telephone services (2,218, 371); Wireless services (390, 14); Transport and Communications otherwise unclassified and incidental services (2,219, 114); Total for transport, storage and communications (266,714, 8,521)

Public Services

Medical and other health services (31,552, 10,409); Educational Services and Research (90,483, 18,652); Police other than village watchmen (56,685, 892); Village officers and servants including village watchmen (22,534, 808); Employees of municipalities and local bodies (45,549, 7,123); Employees of State Government (118,957, 4,214); Employees of Union Government (60,796, 1,554); Employees of non-Indian Governments (590, 45); Total for health, education and public administration (427,016, 13,697).

Other Services

Domestic services (159,057, 49,510); Barbers and beauty shops (52,363, 1,025); Laundries and laundry services (27,812, 3,625); Hotels, restaurants and eating houses (115,235, 4,595); Recreation services (31,445, 3,030); Legal and business services (26,744, 1,517); Arts, letters and journalism (6,507, 236); Religious, charitable and welfare services (37,249, 3,961); Services otherwise unclassified (325,383, 112,509); Total for other services (781,795, 180,008).

Prime industries not elsewhere classified (141,075, 14,856).

Miscellaneous Sources

The total number of self-supporting persons deriving their principal means of livelihood from miscellaneous sources in Bombay State are as follows:

Total, 114,830; From non-agr. property, 22,535; From pensions, remittances, scholarships, funds, 35,687; Inmates of jails, asylums, almshouses, recipients of doles, 2,669; Beggars and vagrants, 40,595; From other non-productive sources, 13,345.

AGE AND LITERACY

A ten per cent sample survey by age-group in Bombay State showed the following position. The first figure in the brackets shows males and the second figure females:

Number surveyed (1,844,542; 1,715,653), Literates (642,996; 215,510), Illiterates (1,201,546; 1,500,137).

Age group 5-9: Literates (13,148; 25,304), Illiterates (193,404; 203,118).

Age group 10-14: Literates (115,923; 55,936), Illiterates (116,099; 154,495).

Age group 15-21: Literates (166,750; 65,707), Illiterates (162,958; 247,222).

Age group 25-34: Literates (134,787; 35,834), Illiterates (164,029; 237,310).

Age group 35-44: Literates (88,359; 18,568), Illiterates (135,314; 173,582).

Age group 45-54: Literates (54,955; 8,695), Illiterates (93,587; 120,000).

Age group 55-61: Literates (25,907; 3,562), Illiterates (58,270; 77,430).

Age group 65-74: Literates (9,645; 1,402), Illiterates (20,709; 33,055).

Age group 75 and over: Literates (3,128; 420), Illiterates (7,681; 12,302).

HOUSEHOLDS

Total number of households in Bombay State, 7,141,091, No. of rural households: 4,863,769, No. of urban households: 2,280,322.

269,598 households were examined in a sample survey. The total population of these households was 1,325,771—685,391 males and 640,377 females.

Among these the number of small households (3 members and less) was 89,811. The number of persons living in these households was 199,628.

The number of medium households (4 to 6 members) was 115,970 and the number of persons 565,576, of large households (7 to 9 members) 47,173, and of persons 363,880, of very large households (10 and over) 16,644, and of persons 196,687.

AGE AND CIVIL CONDITION

In a 10 per cent sample survey the numbers in the different age groups were as follows:

	Males	Females
Total	1,844,542	1,715,653
0	58,443	57,283
1-4	190,844	183,722
5-14	468,874	439,243
15-24	329,717	312,029
25-34	298,816	273,144
35-44	223,073	192,150
45-54	148,512	128,695
55-64	84,177	80,992
65-74	30,354	34,457
75 and over	10,809	12,722

In a 10 per cent sample survey the civil condition in the different age groups is as follows:

The total number of persons surveyed, 3,560,195, males 1,841,542, females: 1,715,653.

MARITAL STATUS

	Unmarried		Married		Widowed or Divorced	
	Males	Females	Males	Females	Males	Females
Total	967,592	696,589	799,791	792,840	77,159	226,224
5-14	459,126	390,400	9,484	47,952	264	801
15-24	205,325	50,656	121,761	255,162	2,428	7,111
25-34	37,105	8,216	253,222	244,519	8,489	20,409
35-44	8,787	2,974	201,591	147,969	13,295	41,207
45-54	4,190	1,282	125,914	68,985	18,438	58,428
55-64	2,440	1,198	62,718	22,189	19,019	57,605
65-74	712	515	19,437	4,910	10,205	29,032
75 and over	242	174	5,574	1,050	1,993	11,498

GREATER BOMBAY

With the inauguration of Greater Bombay on April 15, 1950, the limits of Bombay City have been extended to cover a total area of 91 sq. miles, of which 65 sq. miles constitute the newly merged areas. The northern boundary of Greater Bombay now extends in an irregular line from Madh and Versova in the west to Jogeshwari in the centre, and Bhandup in the east right up to the Thana Creek. The newly amalgamated region which formerly formed part of the Bombay Suburban District included the former Municipal areas of Bandra, Parle-Andheri, Juhu-Tara, Kurla and Ghatkopar-Kirol, besides 38 inhabited villages.

The old limit of Bombay City was upto the Mahim Creek. It was 11 miles in length and 2 to 3 miles in width with a total area of 26 sq. miles.

On the west, south and east sides of Bombay City, or Greater Bombay as it is now called, lies the Arabian Sea and on its north-eastern boundary lies the narrow Thana Creek.

The present population of Greater Bombay is 2,830,270 of which about 510,250 are in the merged areas.

The City which has a Corporation, was divided into 19 Wards for municipal purposes. As Greater Bombay, it now has 24 Wards. These are:—

Ward No. 1: Upper Colaba, Middle and Lower Colaba and Southern Fort; **Ward No. 2:** Fort Northern and Esplanade; **Ward No. 3:** Mandvi and Chakla; **Ward No. 4:** Umerkhadi and Dongri; **Ward No. 5:** Khara Talao and Kumbharwada; **Ward No. 6:** Bhuleshwar and Markets;

Ward No. 7: Dhobi Talao and Fanaswadi; **Ward No. 8:** Khetwadi and Tardeo; **Ward No. 9:** Girgaum and Chowpatty; **Ward No. 10:** Walkeshwar and Mahalaxmi; **Ward No. 11:** Mazgaon and Tarwadi; **Ward No. 12:** 1st Nagpada, 2nd Nagpada and Kamatipura; **Ward No. 13:** Byculla; **Ward No. 14:** Parel; **Ward No. 15:** Sewri and Naigaum; **Ward No. 16:** Matunga and Sion; **Ward No. 17:** Dadar and Mahim; **Ward No. 18:** Parbadevi and Worli; and **Ward No. 19:** Chinchpokli and Lovegrove.

The newly merged areas have been constituted into five major Wards—H. K. L. M. and N.—and seven electoral wards. These are Bandra East and Bandra West (H); Andheri-Parle North and Andheri-Parle South including Madh, Versova, Oshivra, Mijas and Juhu (K); Kurla, including Sahar, Parajapur, Vyaravli, Kondivta, Mulgaon, Bapnala, Marol, Chakala, Brahmanwada, Mohili, Chandivli, Saki, Asalpe and Tangwo (L); Chembur, Anik, Mahul, Trombay, Borla, Deonar, Mankhurd, Vadnavli, Maravli, Nanale, Mandale, Mambudruk (M); Ghatkopar, Bhandup, Kunjur, Harnali, Paspoli, Powai, Kopri, Tirandaz, Vikhroli (N).

The Corporation before the merger had 117 members elected from the 19 Wards. Now with 18 more members elected from the newly merged areas, the Greater Bombay Municipal Corporation has a total of 135 members.

Before the inauguration of Greater Bombay, the City had a yearly revenue of Rs. 6 crores, but now it is nearly 8 crores. From the B.E.S.T. Undertaking which is now run by the Municipality, Greater Bombay receives a revenue of over Rs. 7 crores.

What was left of the old Bombay Suburban District, after the merger of a part of it with Bombay City, has now been absorbed by Thana District. Strictly speaking, Bombay now has no suburbs, though for all practical purposes the populated areas beyond Greater Bombay's northern boundary may well be regarded as its "new suburbs". These include, Goregaon, Malad, Kandivlee, Borivli, the villages of Manori, Gorai, and Uttan in Dharavi Island, Dahisar and Bhayandar, on the fringe of Bassein Creek, served by the Western Railway, and Mulund and Thana served by the Central Railway.

In the process of amalgamation with Bombay City, the old Municipal Boroughs of Bandra (established in 1876), Kurla (estd. 1877), Parle-Andheri (estd. 1931), Juhu (estd. 1921) and the Ghatkopar-Kirol (estd. 1916) have ceased to exist.

AGRICULTURE

In Bombay Island proper though about 8 sq. miles of unbuilt and undeveloped land is available there is practically no agriculture. Vegetables, flowers and fruit are grown in private gardens and Wadis but on a very negligible scale. In the newly merged areas and the adjoining suburbs, however, extensive paddy cultivation is carried on. Vegetables and fruit are also grown especially during the monsoon. The produce is largely marketed in Bombay.

COMMERCE AND INDUSTRY

Commercially and industrially Bombay is the second if not the first City in India. It is the principal centre of the cotton textile industry (65 cotton mills with 65,200 looms). Its share in looms and spindles is about 33 and 28 per cent respectively of the total in the country. There are 166 textile factories including silk, woollen and hosiery; 395 engineering undertakings; 110 establishments manufacturing articles of food, drink and tobacco; 110 establishments producing chemicals, etc.; 50 hides and skins processing concerns, and 150 factories of a miscellaneous character.

After Calcutta, Bombay is the biggest financial centre in India. The Stock Exchange, Bullion Exchange and Cotton Exchange regulate trading in stocks and shares of a wide circle of industrial undertakings. The Reserve Bank of India, the central banking and currency authority, has its headquarters in Bombay and out of 85 scheduled banks in the Indian Union 28 have their head offices in Bombay. There are 15 foreign Exchange Banks and out of 222 insurance companies in the country 68 have their head offices in the city.

Being the best natural harbour in India, the trade carried through Bombay is more than 30 per cent of the total trade of India. The principal items of import are bricks, cement, sand, etc.; China clay; coal; cotton; glassware; grain; hardware; iron and steel; kerosene; fuel oil; motor cars and lorries; machinery; boilers and railway materials; oilman stores; oils; vegetables, etc.; paper; piece goods; petrol; sugar; tea; timber; twist and yarn; Government and naval and military stores.

The main exports are coal; cotton; flour; groundnuts; hemp; hides and skins; kerosene and fuel oils; manganese ore; myrobalans; oil cake; piece-goods; seeds; spices; sugar; wool packages; twist and yarn, Government and naval and military stores.

The total returns to the Central Government from Greater Bombay in customs revenue are not available, but it is about 40 per cent of the total revenue from the

seaborne trade of India. The income-tax return to the Central Government from Greater Bombay is 25 per cent of the total income from the country. The Corporation Tax amounts to 40 per cent of the total income from this source.

COMMUNICATIONS

From the communications point of view Bombay holds a unique position. There are numerous air routes connecting Bombay with the rest of the country, and it is also directly linked with foreign countries aerially. The head offices of two chief railway systems, the Central and Western Railways are in Bombay which is rail linked with Calcutta, Delhi, Nagpur and Madras. It is the second biggest port and the chief sea communications centre of India. Greater Bombay's transport requirements are met by the local services of the two railways, Central and Western, besides the tram and bus services of the municipalised Bombay Electric Supply and Transport Undertaking.

1951 CENSUS

The number of each religious group in Greater Bombay is given below. The first figure shows the number of males, the second the number of females:

Hindus (1,291,001 ; 748,240) ; Sikhs (8,617 ; 5,367) ; Jains (47,110 ; 33,000) ; Buddhists (1,049 ; 448) ; Zoroastrians (34,924 ; 33,736) ; Muslims (268,902 ; 143,364) ; Christians (117,560 ; 88,639) ; Jews (9,247 ; 6,838) ; Non-tribals (846 ; 379).

NON-INDIAN NATIONALS

The number of non-Indian nationals in Greater Bombay is given below. The first figure shows the number of males, and the second figure the number of females:

Portuguese (7,398 ; 4,361) ; British (2,624 ; 2,222) ; Pakistan (1,388 ; 289) ; Iranian (1,101 ; 525) ; Nepalese (792 ; 78) ; Chinese (904 ; 396) ; American (320 ; 174) ; Afghan (109 ; 43) ; Arabian (184 ; 72) ; African (43 ; 35) ; Burmese (43 ; 48) ; German (70 ; 48) ; Swiss (70 ; 65) ; Ceylonese (105 ; 30) ; French (60 ; 40) ; Danish (28 ; 23) ; Russian (70 ; 20) ; Greek (24 ; 18) ; Swedish (31 ; 15) ; Israelites (43 ; 32) ; Italian (33 ; 28) ; Spanish (51 ; 4) ; Norwegians (55 ; 11) ; Australians (32 ; 14) ; Eire (23 ; 31) ; Iraqi (34 ; 20).

For the rest the figure is less than 50 for each group.

AGE AND LITERACY

A ten per cent sample survey by age group showed the following position. The first figure in the brackets shows the number of males, and the second the number of females:

Number surveyed (171,940 ; 103,006) ; Literates (93,654 ; 38,847) ; Illiterates (78,286 ; 65,149).

Age group 5—9 : Literates (5,141 ; 4,445) ; Illiterates (7,531 ; 8,191).

Age group 10—14 : Literates (9,007 ; 6,747) ; Illiterates (3,833 ; 3,976).

Age group 15—24 : Literates (27,566 ; 24,400) ; Illiterates (54,008 ; 76,571).

Age group 25—34 : Literates (40,846 ; 13,707) ; Illiterates (51,492 ; 73,357).

Age group 35—44 : Literates (14,527 ; 4,255) ; Illiterates (11,530 ; 7,249).

Age group 45—54 : Literates (7,758 ; 2,106) ; Illiterates (5,995 ; 4,682).

Age group 55—64 : Literates (3,170 ; 1,070) ; Illiterates (2,098 ; 2,531).

Age group 65—74 : Literates (904 ; 460) ; Illiterates (487 ; 924).

Age group 75 and over : Literates (295 ; 152) ; Illiterates (143 ; 406).

OCCUPATION GROUPS

The main occupation groups in Greater Bombay are as follows. The first figure in the brackets shows the number of males and the second figure the number of females:

All Industries and Services

Employers (48,933; 1,614); Employees (870,268; 71,134); Independent workers (215,248; 21,251).

Fishing

Employers (480; 22); Employees (1,604; 125); Independent workers (2,808; 701).

Salt, Saltpetre, Saline substances

Employers (11; 0); Employees (988; 18); Independent workers (10; 2).

Foodstuffs, Textiles, Leather

Employers (4,567; 154); Employees (256,377; 19,558); Independent workers (21,900; 2,497).

Tobacco

Employers (91; 13); Employees (3,151; 1,015); Independent workers (1,719; 1,119).

Textiles

Employers (711; 37); Employees (206,713; 16,405); Independent workers (1,485; 157).

Wearing Apparel

Employers (1,832; 62); Employees (12,368; 314); Independent workers (10,413; 887).

Other Textiles

Employers (130; 4); Employees (11,733; 944); Independent workers (511; 80).

Leather and its products

Employers (336; 1); Employees (5,415; 178); Independent workers (4,704; 70).

Manufacture of Metals and Chemicals

Employers (2,039; 38); Employees (75,532; 1,964); Independent workers (6,049; 227).

Manufacture of Iron and Steel

Employers (131; 5); Employees (6,605; 132); Independent workers (195; 9).

Transport equipment

Employers (236; 7); Employees (22,282; 190); Independent workers (660; 6).

Electrical Machinery

Employers (175; 0); Employees (4,725; 104); Independent workers (508; 18).

Machinery including Engineering

Employers (431; 5); Employees (14,919; 250); Independent workers (1,534; 18).

Medical Preparations

Employers (50; 2); Employees (2,014; 185); Independent workers (67; 83).

Clay products

Employers (53; 1); Employees (1,443; 437); Independent workers (206; 12).

Rubber products

Employers (50; 0); Employees (2,100; 91); Independent workers (75; 2).

Wood and wood products

Employers (300; 10); Employees (16,693; 145); Independent workers (7,266; 303).

Printing and Allied Industries

Employers (609; 16); Employees (15,353; 172); Independent workers (653; 15).

Buildings

Employers (747; 7); Employees (10,004; 1,559); Independent workers (9,443; 296).

Roads, Bridges

Employers (6; 0); Employees (356; 53); Independent workers (34; 0).

Electric Power and Gas Supply

Employers (12; 0); Employees (2,821; 32); Independent workers (209; 1).

Sanitary Works

Employers (28; 1); Employees (8,854; 2,157); Independent workers (471; 100).

Commerce

Employers (28,342; 727); Employees (129,336; 4,744); Independent workers (91,453; 6,979).

Retail trade in foodstuffs

Employers (6,923; 239); Employees (20,469; 781); Independent workers (33,080; 4,595).

Retail trade in fuels

Employers (1,108; 31); Employees (8,389; 227); Independent workers (1,515; 115).

Retail in textile and leather

Employers (3,809; 63); Employees (8,643; 128); Independent workers (8,795; 158).

Wholesale trade in foodstuffs

Employers (710; 49); Employees (1,341; 170); Independent workers (1,721; 105).

Real estate

Employers (70; 4); Employees (2,059; 21); Independent workers (270; 15).

Insurance

Employers (163; 4); Employees (5,964; 148); Independent workers (642; 39).

Money lending, banking

Employers (1,058; 25); Employees (11,007; 350); Independent workers (5,244; 164).

Transport, storage, communications

Employers (1,374; 63); Employees (95,386; 2,491); Independent workers (15,795; 270).

Below we give the totals of some other categories. The first figure shows the number of males and the second the number of females:

Transport by road (33,982; 592); Transport by water (36,062; 601); Transport by air (2,534; 91); Railway transport (21,680; 424); Storage and warehousing (2,835; 417); Postal services (5,965; 216); Telegraph services (1,783; 77); Telephone services (1,657; 315); Wireless services (161; 3); Health, education and public administration (74,389; 12,170); Medical and health services (9,407; 4,460); Educational Services and Research (10,316; 4,334); Police (11,108; 209); Employees of municipalities and local bodies (13,597; 1,281); Employees of State Governments (14,832; 1,337); Employees of Union Govt. (14,715; 511); Employees of non-Indian Governments (172; 26); Services not elsewhere specified (226,880; 34,177); Domestic services (65,784; 21,091); Barbers and beauty shops (9,836; 104); Laundries and laundry services (13,871; 444); Hotels, restaurants, eating houses (46,725; 1,790); Recreation services (13,777; 1,270); Legal and business services (14,000; 1,143); Arts, letters, journalism (3,232; 137); Religious, charitable and welfare services (5,776; 312).

AGE GROUPS

In a 10 per cent sample survey the numbers in the different age groups were as follows:

	Males	Females
0	4,232	3,278
1—4	10,828	10,688
5—14	25,512	23,359
15—25	41,959	23,402
25—34	43,422	19,417
35—44	26,057	11,504
45—54	13,753	6,788
55—64	5,268	3,601
65—74	1,461	1,384
75 and over	438	558

Total number of households: 568,862.

22,695 households were examined in a sample survey. The number of persons living in them was 107,282—66,530 males and 40,752 were females.

Out of these households, the number of small households (3 members and less) was 9,110, and the number of persons living in them was 18,518; of medium households (4 to 6 members) 8,232, and the number of persons 39,609; of large households (7 to 9 members) 3,656, and the number of persons 28,454; of very large households (10 and above) 1,691, and the number of persons 20,611.

GOVERNMENT OF BOMBAY

Governor

GIRJA SHANKAR BAJPAI

Personal Staff

Secretary and Comptroller of the Household : Major J. P. Dalvi.

A.D.O. : Capt. J. M. Sondkar.

A.D.C. : Capt. S. R. Das.

Hony. Surgeon : Dr. S. B. Cooper.

Honorary Physician : Dr. R. J. Vakil.

Hony. Aides-de-camp : D. G. Moore; R. S. Modi.

Cabinet

Chief Minister in Charge of Political and Services and Home : Morarji R. Desai.

Minister for Revenue and Agriculture : B. S. Hiray.

Minister for Education, Law and Management of Government Milk Colony at Aarey : Dinkarrao N. Dosai.

Minister for Finance, Prohibition and Industries : Dr. Jivraj N. Mehta.

Minister for Local Self-Government and Co-operation : M. P. Patil.

Minister for Public Works Department : M. M. Naik Nimbalkar.

Minister for Rehabilitation, Fisheries and Backward Classes : G. D. Tapase.

Minister for Labour and Public Health : Shantilal H. Shah.

Minister for Civil Supplies and Forests and Minister in Charge of the Office of the Controller of Accommodation and Community Development Projects : Y. B. Chavan.

Deputy Ministers

Deputy Minister for Education : Shrimati Indumati Chimanlal.

Deputy Minister for Public Works Department and the Subjects State Transport Corporation and Motor Transport Organisation of Home Department : Babubhai J. Patel.

Deputy Minister for Backward Classes : D. N. Wandrekar.

Deputy Minister for Agriculture and Forests : K. F. Patil.

Deputy Minister for Public Health : B. D. Jatti.

Deputy Minister for Local Self-Government and Co-operation : B. D. Deshmukh.

Deputy Minister for Prohibition : Dr. T. R. Naravane.

Deputy Minister for Revenue : Mustafa Faki.

Deputy Minister for Civil Supplies : V. K. Satho.

Hon. Parliamentary Secretary to the Chief Minister : Shrimati Nirmala Raje Bhonsle.

Secretariat

POLITICAL AND SERVICES DEPARTMENT

Chief Secretary : M. D. Bhansali, I.C.S.

Joint Secretary and Additional Development Commissioner : S. P. Mohite, I.A.S.

Deputy Secretary and Chief Electoral Officer : N. S. Pardasani, I.A.S.

Assistant Secretaries : D. R. Pinge, J.P. and G. Z. Vanjara, B.A. (Hons.).

REVENUE DEPARTMENT

Secretary : D. S. Bakhle, I.C.S.

Deputy Secretary : G. R. Reddi, I.A.S.

Deputy Secretary (Inspection) : L. G. Rajwade, I.C.S.

Deputy Secretary (Accommodation) : M. G. Pimpurkar, I.C.S.

Under-Secretaries : M. E. Gangat; D. G. Hosangadi.

Assistant Secretaries : B. T. Nayak; P. N. Ambegaonkar; S. G. Sawant; L. A. Dhamanagi.

AGRICULTURE AND FORESTS DEPARTMENTS

Secretary : V. Isvaran, I.C.S.

Under-Secretary : S. K. Bodekar.

Adl. Under-Secretary : S. G. Walavalkar.

Assistant Secretaries : P. R. Joglekar; V. V. Masurekar W. P. Saldanha.

SEPARATE DEPARTMENT

Resident Under-Secretary : J. C. Agarwal, I.A.S.

Assistant Secretary : G. Z. Vanjara

DEVELOPMENT DEPARTMENT

Secretary : J. D. Kapadia, I.C.S.

Under-Secretary : J. C. Agarwal, I.A.S.

Assistant Secretaries : B. P. Umarji; I. B. Patel; B. B. Bramhabhatt; V. N. Pimenta

HOME DEPARTMENT

Secretary : D. S. Joshi, I.C.S.

Dy. Secretary : J. L. Salvi, I.A.S.

Under-Secretary : P. Furtado

Assistant Secretaries : G. R. Donde; K. R. Rajadhyaksha; J. R. Cabral

FINANCE DEPARTMENT

Secretary : V. T. Dehejia, I.C.S.

Deputy Secretaries : A. M. Joshi, I.C.S.; D. E. Mahajan; J. K. Thakore; A. L. Gidwan, I.C.S.

Under-Secretaries : A. D. Gangal; R. C. Rele; M. Mishra

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Director of Civil Supplies (Fuel) and State Coal Controller : J. A. Singh.

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Deputy Director of Civil Supplies (Districts) : S. N. Sapre.
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Assistant Establishment Officer, L. G. Padhye.
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Special Officer, D. C. Gurjar.
Assistant Statistician : S. P. Agashe.
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Sales Officer : M. A. Pradhan, B.Sc., LL.B.

Office of the Competent Officer, Ahmedabad
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Office of the Competent Officer, Surat
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Office of the Administrative Officer, Vocational Training Centre, Uthasagar.
Administrative Officer : R. V. Pandit, B.Sc., B.Sc. (Engineering), A.M.I.E. (India).

Office of the Administrator, Sardarnagar
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Chairman : Shrimati A. John Mathai.
Secretary : Kumari Gopi Chinnani, B.A., M.Sc. (Bom.).
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Assistant Registrar, Rehabilitation Production Centres, Bombay : V. G. Angne, G.D.A.

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Officer-in-charge, Gandhinagar Colony : M. B. Jaisinghani, B.A.

Office of the Officer-in-Charge, Pimpri Colony.
Officer-in-charge, Pimpri Colony : H. D. Jadhav.

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Rehabilitation Mamlatdar, Bombay Suburban District : B. P. Deshmukh.

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Directors of Postal Services, Bombay : V. D. Dalvi ; P. K. Mukerjee.
Director of Postal Services, Savings Bank, Bombay : G. N. Rebello.
Dy. Director of Telegraphs : M. C. D'Souza.
Personal Assistant, Traffic, Postmaster-General's Office, Bombay : U. B. Kaval.
Asst. Postmasters-General, Bombay : K. Shankar Rao ; R. B. Pandit ; M. S. Bhadkamkar.

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Regional Complaints Officer : D. N. Advani.
Office Superintendent, Postmaster-General's Office, Bombay : D. V. Pradhan.

BOMBAY G. P. O.

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Postmaster, Kallbadvi : K. N. Doraswamy Iyer.
Asst. Presidency Postmaster (I) (Offg.) : K. L. Sayad.
Sub-Postmaster, Mandvi : Q. M. Behere.

OFFICE OF THE DIRECTOR, FOREIGN POST, BOMBAY.

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Supdt., Poona G.T.O. : A. Sequiera.
Supdt., Rajkot G.T.O. : C. H. Valsinav.
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TELEGRAPH ENGINEERING.

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Divisional Engineer, Telegraphs, Poona : S. K. Dhandarphale.
Divisional Engineer, Telegraphs, Ahmedabad : K. Muttuswami.
Divisional Engineer, Telegraphs, Rajkot : H. G. Pires.
Deputy D.E.T., Poona : B. G. D'Silva.
Deputy D.E.T., Bombay : S. Subramanian.
Fault Controller, Bombay : A. V. Sambashivam.
Asst. Engineer, Phones, Poona : A. Mahadovan.
Sub. Divisional Officer, Phones, Surat : M. David.
Asst. Elect. Engineer, Bhavnagar : K. G. George.
Asst. Elect. Engineer (I), Bombay : N. S. Narasimhan.
Asst. Elect. Engineer (II), Bombay : P. M. Sarkaram.
S.D.O.T., Bombay : P. K. S. Raja.
S.D.O.T., Ahmedabad : T. Subramanian.
S.D.O.T., Surat : K. D. Sharma.
S.D.O.T., Belgaum : G. K. Prabhu.
S.D.O.T., Poona : B. G. D'Silva.
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S.D.O.T., Rajot : B. E. Sindra Rai.
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S.D.O., Phones, Poona : L. N. Rajagopalani.
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S.D.O., Phones, Ahmedabad : Madhavan Nair.
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Asst. Engineer, Telegraphs (Construction), Rajkot : D. Ramrathnam.
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Personal Asstt., Engineering (Development), P.M.G.'s Office, Bombay : T. V. Ramaswamy.
Asstt. Engineer Wireless, Bombay Radio : H. S. Kantharia.
Asstt. Engineer Wireless, Bombay (Monitoring) : B. V. Hosangdi.
Regional Engineer, Maintenance, Bombay : H. J. Mirchandani.

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Examiner, Local Audit Deptt.: T. N. S. Ratnam, B.A., I.A. & A.S. (E.C.).
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Chief Auditor's Office, Western Railway, Churchgate, Bombay

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Dy. Headquarters Assistant to the Collector of Central Excise, Bombay:
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Superintendent, Investigation, Central Excise, Bombay: M. S. Mehta,
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Chemical Examiner: H. D. Suri, M.Sc., F.A.I.C.
Asstt. Chemical Examiner: D. B. Pandya, M.Sc.
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Enquiry Officers : I. Fonseca; A. M. Captain.

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Office Establishment : L. P. Sequira; H. S. Tipnis; M. M. Kulkarni; Smt. P. D. Kulkarni; Mrs. E. Dargan; Miss M. F. Minbatliwala; Tarlok Singh; B. Miranda.

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See under Government of India Personnel, Ministry of Finance

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Ballard Road, Bombay.

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Inspecting Assistant Commissioner of Income-tax (Central), Bombay : H. R. Agnihotri, B.A.

Income-tax Officer, Section I (Central), Bombay, working as Authorised Official with the Income-tax Investigation Commission : H. M. Jhaln, B.A. (Hons.) (Bom.), B.Com. (Hons.) (Lond.).

Additional Income-tax Officer, Section I (Central), Bombay : S. B. Kamat, B.A.

Additional Income-tax Officer, Section II (Central), Bombay : M. T. Pendse, B.D.A.

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Income-tax Officer, Section IV (Central), Bombay : B. A. Sheriff, M.A.

Additional Income-tax Officer, Section IV (Central), Bombay, working as Authorised Official with the Income-tax Investigation Commission : B. B. Palekar.

Income-tax Officer, Section V (Central), Bombay, working as Authorised Official with the Income-tax Investigation Commission : P. Sridagopan, B.A. (Hons.).

Additional Income-tax Officer, Section V (Central), Bombay : G. R. Desai, B.A., LL.B.

Income-tax Officer, Section VI (Central), Bombay, working as Authorised Official with the Income-tax Investigation Commission : A. R. H. Naik, B.A.

Additional Income-tax Officer, Section VI (Central), Bombay : C. R. Krishnamurthi, M.A.

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Additional Income-tax Officer, Section VIII (Central), Bombay : S. N. Shastri, M.A.

Income-tax Officer, Sections IX and X (Central), Bombay : D. D. Desai, B.A.

INCOME-TAX DEPARTMENT, BOMBAY CITY

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Income-tax Officer attached to the Office of the Commissioner of Income-tax, Bombay City : V. R. Pandit, B.A.

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C-III Ward : V. T. Namjoshi; Y. G. Joshi; V. R. Karkhanis; R. V. Muzumdar; A. B. Pande; G. N. Samant; Md. N. Rehman; C. V. Purohit.

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Special Survey Circle IV : M. M. Colaco.

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Jr. Authorised Representative : N. Y. Tamhane.

INCOME-TAX, BOMBAY STATE NORTH, BARODA

(See Baroda Dt.)

INCOME-TAX, BOMBAY SOUTH, BOMBAY

Commissioner of Income-tax, Bombay South, Bombay, V. V. Subramanian, M.A.

Inspecting Assistant Commissioner of Income-tax (Central), Bombay, Hari Ram Agnihotri, B.A.

Inspecting Assistant Commissioner of Income-tax, Poona Range, Poona, M. S. Nadkarni, B.A., LL.B.

Appellate Assistant Commissioners of Income-tax, M. B. Palekar, M.A. (Poona Range, Poona); K. D. Dholakia, M.A., B.A. (Cantab.) (Belgaum Range, Belgaum); D. P. Wadiwani, G.D.A. (Kolhapur Range, Kolhapur); M. Sundararajan, B.A. (Dharwar Range, Dharwar).

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Additional Income-tax Officer : V. K. Pillai, B.A., B.L. (G.H.Q., Poona).

First Additional I.T.O., Kolhapur : G. J. Redkar, B.A., LL.B.

Second Additional Income-tax Officer, Kolhapur : U. N. N. Rao, M.Sc.

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Fort, Bombay No. 1.

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 G. S. Rajadhyaksha, Mr. Justice.
 H. S. Bavdekar, Mr. Justice.
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3rd Assistant to the Court Receiver and Liquidator : C. J. Pratap, B.A., Barrister-at-Law.

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Dy. Sheriff of Bombay : M. K. Nemazi, B.A., LL.B.

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(Hon. Pleader : H. M. Choksi, B.A. (Hons.), LL.B.

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N. A. Vesuvala, B.A., LL.B., Attorney-at-Law.
Editor, Indian Law Reports, Bombay: S. V. Gupte, B.A., LL.B., Advocate (O.S.).

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Carnac Road, Fort, Bombay

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Deputy Registrar: V. S. Talpade, B.A., LL.B.

PRESIDENCY MAGISTRATES, GREATER BOMBAY

Chief Presidency Magistrate and Revenue Judge, Bombay: K. J. Khambata, M.A., LL.B., Advocate (O.S.), F.S.S.
Additional Chief Presidency Magistrate, Bombay: J. M. Barot, B.A., LL.B., Advocate (O.S.).

PRESIDENCY MAGISTRATES, BOMBAY

V. K. Muranjan, B.A., LL.B., Advocate (O.S.).
 G. K. Rege, B.A., LL.B., Bar-at-Law.
 M. Nasrullah, B.A., Bar-at-Law.
 S. A. Hattar, Bar-at-Law.
 R. S. Parikh, B.A., LL.B., Advocate (O.S.).
 B. D. Belvi, B.A., LL.B.
 James Menezes, LL.M., Advocate (O.S.).
 S. B. Awar, M.A., LL.B.
 C. B. Velkar, B.A., LL.B., Advocate (O.S.).
 M. J. Gordhandas, B.A., LL.B., Advocate (O.S.).
 A. A. Shellim, B.A., LL.B.
 T. A. Sonavane, B.A., LL.B.

Mohamed Nemazi, B.A., LL.B.

Harilal Gajnan Mahintura, B.A., LL.B., Bar-at-Law.

D. D. Yennemadi, B.A., LL.B.

H. J. Chinoy, B.A., LL.B., Advocate (O.S.).

K. J. Bijlani, B.A., LL.B.

A. S. Navalkar, B.A., LL.B., Advocate (O.S.).

H. K. Patel, B.A., LL.B.

G. J. Saldhana, B.A., LL.B.

N. M. Chhaya, B.A., LL.B.

V. P. Parekh, B.A., LL.B.

J. S. Dawda.

M. S. Apte.

M. M. Dhruv.

Presidency Magistrate, Juvenile Court, Bombay: Mrs. A. H. Kulkarni, M.A.

Registrar and Presidency Magistrate, Bombay: S. R. S. Pandit, B.A., LL.B.

POLICE DEPARTMENT**Poona**

Inspector-General of Police, Bombay State: N. M. Kamte, I.P.

Asst. to the Inspector-General of Police, Poona: B. C. Shah, I.P.S.

Dist. Supdt. of Police, Poona City: R. R. Deshpande.

Dist. Supdt. of Police, Poona Rural: S. W. Bhonsle.

Asst. to the Deputy Inspector-General of Police, C.I.D., Poona (Crime Branch): S. N. Hosali, I.P.

Superintendent of Police, Central and Southern Railways: W. K. Patil, I.P.S.

Superintendent of Police, Wireless: S. M. Nabar.

Superintendent of Police, M. T.: D. P. Row.

Asst. Superintendents of Police: S. V. Pandit, I.P.S.; M. S. Kasbekar, I.P.S.; M. S. Heble, I.P.S.

Deputy Asst. to the I.G. of Police, Poona: C. S. Gorey.

Superintendent, Office of the Inspector-General of Police, Poona: V. B. Divkar.

Deputy Superintendents of Police: G. L. Limaye; G. P. Angarkar; S. V. Sawant; A. B. Khan; B. L. Bhavo; S. N. Gadekar; E. Twigz.

GREATER BOMBAY POLICE FORCE

Office—Hornby Road, Opp. Arthur Crawford Market, Bombay

Commissioner of Police: M. M. Chudasama, I.P.

Dy. Commissioners of Police: M. G. Wagh, I.P., Headquarters and Arms and Ammunition Department; S. G. Pradhan, I.P.S. Special Branch (C.I.D.), C.B.I. & A.C.B.; P. M. Pant, I.P. Prohibition Department; J. Croome, I.P.S., C.B. II, C.I.D. and H and I Divisions.

Asst. Commissioners of Police: J. D. A. Burns, A.C.B.; T. A. Adams, Armed Forces, M.T. & W., Traffic and P.L. C.L. Dept.; D. K. Pednekar (C.B.I.) (C.I.D.); N. J. Gibbs, Division South; P. R. Rane, Division North.

Superintendent, Headquarters: A. V. Parab.

Office Establishment: J. S. Bhagayarkar.

Police Divisions and Sections**A DIVISION**

Supdt.: B. H. Jainapur.

Colaba Police Station, Inspector-in-Charge: J. D. Adkar.

Explanade Police Station, Inspector-in-Charge: J. J. Jameson.

Palton Road Police Station, Inspector-in-Charge: J. R. Taraporewalla.

B DIVISION

Supdt.: S. G. Mangalorekar.

Princess St. Police Station, Inspector-in-Charge: Y. T. Bawle.

Pydhoni Police Station, Inspector-in-Charge: N. S. Gawankar.

Dongri Police Station, Inspector-in-Charge: C. G. Desai.

C DIVISION

Supdt.: M. A. Todd.

Gandevi Police Station, Inspector-in-Charge: C. A. Pinto.

Lamington Rd. Police Station, Inspector-in-Charge: W. D'Souza.

Maharauri Police Station, Inspector-in-Charge: M. L. Hewson.

D DIVISION

Supdt.: D. J. Daly.

Agrpada Police Station, Inspector-in-Charge: S. A. Powar.

Nagpada Police Station, Inspector-in-Charge: R. S. C. Forage.

Byculla Police Station, Inspector-in-Charge: F. A. M. I. Aga.

E DIVISION

Supdt.: D. Y. Gupte.

Kalichowki Police Station, Inspector-in-Charge: M. R. Pradhan.

Bhoiwada Police Station, Inspector-in-Charge: D. A. Koregaonkar.

Kingsway Police Station, Inspector-in-Charge: S. K. Rane.

F DIVISION

Supdt.: S. B. Tonssekar.

DeLisle Road Police Station, Inspector-in-Charge: B. P. Bhavirkar.

Dadar Police Station, Inspector-in-Charge: D. D. Raje.

Mahim Police Station, Inspector-in-Charge: A. G. Athavle.

G DIVISION

Supdt.: D. V. Samant.

Bandra Police Station, Inspector-in-Charge: G. S. Shown.

Santa Cruz Police Station, Inspector-in-Charge: N. R. Shewda.

Andheri Police Station, Inspector-in-Charge: T. F. Saldhana.

Kurla Police Station, Inspector-in-Charge: V. M. Mullik.

Ghatkopar Police Station, Inspector-in-Charge: J. G. Tawade.

H & I DIVISIONS

Supdt.: F. L. Beck.

Yellow Gate Police Station, Inspector-in-Charge: C. W. Amblike.

Sanitary Department, Inspector-in-Charge: R. B. Parliwalla.

Seuri Police Station, Inspector-in-Charge: R. R. Sarang.

Prohibition Department

Supdts.: V. Sami; A. W. Newlands.

Intelligence Section, Inspector-in-Charge: C. A. W. Ballantine.

S. & D. P. Section, Inspector-in-Charge: M. I. Patel.

Rly. Preventive Section, Inspector-in-Charge: E. C. Scott.

Central Prev. Section, Inspector-in-Charge: D. S. Contractor.

Northern Prev. Section, Inspector-in-Charge: P. J. Inamdar.

Criminal Investigation Department (Crime Branch I)

Supdt.: N. P. Paranjpe.

D.C.B., Inspectors-in-Charge: M. G. Korde; H. A. Khan.

General Branch, Inspectors-in-Charge: M. D. Framroze, V. B. Bhagwant.

F.C.B., Inspector-in-Charge: C. S. Swaminarayanan.

Vigilance Branch, Inspector-in-Charge: S. H. J. Kanga.

Pathan Branch, Inspector-in-Charge: S. B. Dastoor.

ANTI-CORRUPTION BRANCH

Inspectors-in-Charge: D. Y. Jonklass; S. N. Sawant.

Crime Investigation Department (Crime Branch II)

Supdt.: S. M. Sawant.

Inspectors-in-Charge: J. C. Roach (Textile); M. A. K. Hakim (Food).

SPECIAL BRANCH (I)

Supdts.: M. T. Satam; D. S. Honawar.

Inspectors-in-Charge: L. V. Akut; P. A. Saudagar; S. S. Shete;

P. M. Dato; H. R. Bagwe; B. V. Sawant; A. S. Dhamankar;

P. M. Nadkarni; B. S. Kunsawlikar; H. S. M. Ghate.

SPECIAL BRANCH (II)

Supdt.: M. A. Bhalji.

Inspectors-in-Charge: E. G. Durwe; A. R. Wagle; G. K. Joglekar.

I.A. DIVISION (I)

Supdt. : H. C. Moore.
Inspectors-in-Charge : G. R. Anjarlekar; G. D'Mellow.

I.A. DIVISION (II)

Supdt. : M. Solomon.
Inspector-in-Charge : G. B. Sawant.

I.A. DIVISION (III)

Supdt. : M. Solomon.
Inspector-in-Charge : G. P. Patkar.

M. T. SECTION

Supdt. : U. S. Amin.
Inspector-in-Charge, Wireless Section : C. Correa.
Cattle Pound, Sub-Inspector-in-Charge : T. G. Merchant.
Traffic Department, Inspector : J. T. F. Gurr.
Arms and Ammunition Department, Inspector : G. B. Koparkar.
P. L. C. L. Dept., Inspector : K. R. Vasawda.
Coroner's Court, Sub-Inspector : J. T. Karlekar.
Chief Police Prosecutor : M. G. Vyavaharkar.
Prosecutors : S. M. Dhurandhar; R. K. Khare; J. I. A. Pinto; R. H. Dole; M. B. Anklesaria; G. K. Sohoni; D. C. Munshi; K. R. Vaidya; V. D. Mehta; S. B. Wagal; Gobindram Mulchand; K. L. Aghaskar; B. V. Gupta; E. S. Mehta; I. B. Desai; A. G. Gulankar; V. V. Jhambekar; B. V. Karmarkar; A. L. D'Souza; A. L. Samant; H. R. Sani; J. H. Irani; J. V. Rajadhyaksha; V. P. Mathrani; V. S. Thakore; K. S. V. Navalkar; N. H. Jhavalala; S. G. Rane; K. V. Budas; V. R. Dewanjee; G. A. Thakur.

BOMBAY PROHIBITION AND EXCISE DEPARTMENT

Old Custom House, Ballard Estate, Bombay

Director of Excise and Prohibition, Bombay : Jasjit Singh, M.A. (Cantab).
Personal Assistant to the Director of Excise and Prohibition, Bombay : W. C. Hearn, B.A. (Hons.).
Officer on Special Duty and Secretary, Bombay State Prohibition Board, Bombay : N. N. Mehta, B.A.
Superintendent of Prohibition and Excise, Bombay : J. A. Samson, B.A.
Chief Accounts Officer of Prohibition and Excise, Bombay : G. S. Nulkarni.

AGRICULTURAL DEPARTMENT

Officers Stationed at Poona

Director of Agriculture, B.S., Poona, Dr. T. G. Shirnaine, B.A., Ph.D. (Wales), F.S.S. (Lond.).
Joint Director of Agriculture (Engineering), B.S., Poona, D. A. Gadkary, B.E., A.M. Inst., C.E. (London).
Personal Assistant to the Director of Agriculture, Poona, A. P. Mulay.
Technical Assistant to the Joint Director of Agriculture (Engineering), Poona, P. G. Panse, B.E.
Accounts Officer to the Director of Agriculture, Poona, P. B. Gupta, B.Com.
Deputy Director of Agriculture (Research and Education), Poona, Vacant.
Deputy Director of Agriculture (Manures, Fertilisers and Rural Development), Poona, A. K. B. Cazi, B.A. (Hons.), B.Sc. (Edin.), N.D.D. (Scot.), D.L.C. (Lond.).
Soil Conservation Officer, B.S., Poona, Vacant.
Mechanical Cultivation Engineer to Government, B.S., Poona, R. B. Basur, B.E. (Mech.).
Agricultural Engineer to Government, B.S., Poona, P. J. Patel, B.A. (Bombay), M.Sc. (Iowa).
Principal, College of Agriculture, Poona, and Economic Botanist to Government, B.S., Poona, L. S. S. Kumar, M.Sc. (London), A.R.C.S.
Offg. Economic Botanist to Government, S. G. Kelkar, B.A.
Plant Pathologist to Government, B.S., Poona, Dr. M. K. Patel, M.Sc., Ph.D. (Iowa).
Horticulturist to Government, B.S., Poona, Dr. R. L. Nagpal, B.Sc. (Agr.), Ph.D.
Agricultural Chemist to Government, B.S., Poona, Dr. N. Narayana, M.Sc., Ph.D.
Agricultural Entomologist to Government, B.S., Poona, Dr. G. A. Patel, B.A., Ph.D.
Professor of Agronomy, College of Agriculture, Poona, Dr. H. R. Arkeri, B.Sc. (Agr.), M.S. (Minnesota), Ph.D. (Minnesota).
Professor of Agricultural Economics, College of Agriculture, Poona, P. N. Driver, M.A.
Professor of Agricultural Engineering, Physics and Mathematics, College of Agriculture, Poona, A. A. Memon, B.A., M.S. (Illinois).
Assistant Professor of Agricultural Engineering, Physics, and Mathematics, College of Agriculture, Poona, M. V. Tatke, B.Sc.
Assistant Professor of Botany, College of Agriculture, Poona, J. S. Malhotra, B.A.
Assistant Professor of Mycology, College of Agriculture, Poona, Dr. V. P. Rhide, B.Sc. (Agr.), Ph.D. (Bom.), Ph.D. (Iowa).
Assistant Professor of Agronomy, College of Agriculture, Poona, D. M. Kulkarni, B.A.
Professor of Animal Husbandry and Dairying, and Manager, Agricultural College Dairy Farm, Poona, B. G. Oka, B.A.

Assistant Professor of Chemistry, College of Agriculture, Poona, Dr. H. G. Pandya, Ph.D. (Bombay).

Assistant Professor of Plant Physiology, College of Agriculture, Poona, U. K. Kanitkar, B.A. (Hons.), M.Sc.

Professor of Veterinary Science, College of Agriculture, Poona, Dr. D. K. Desai.

Deputy Director of Agriculture (Crop Research), Poona, V. M. Chavan, B.A.

Soil Physicist to Government, B.S., Poona, Dr. J. K. Basu, M.Sc. (Calcutta), Ph.D. (London).

Statistical Officer under the Deputy Director of Agriculture (Crop Research), Poona, P. S. Pandya, B.A., M.S. (Texas).

Assistant Horticulturist to Government, B.S., Poona, P. K. Gupta, M.Sc. (Agr.).

Statistician, Department of Agriculture, Poona, R. S. Koshal, M.Sc.

Statistical Survey Officer, Poona, V. G. Sharma, M.Sc.

Compost Development Officer, Poona, S. S. Shirke, B.Sc.

Crop Protection Officer, Scheme for the Organisation of Crop Protection Service in Bombay State, Poona, G. M. Talgeri, M.Sc. (Agr.).

District Agricultural Officer, Poona, K. G. Kolpatkar, B.A.

Divisional Soil Conservation Officer, Central Division, Poona, M. K. Shirole, B.A.

Technical Assistant to the Soil Conservation Officer, Poona, R. V. Satpute, D.C.E.

Assistant Agricultural Engineer, Lift Irrigation Scheme, Poona, N. S. Soman, B.E.

Assistant Agricultural Engineer, Expansion Scheme, Headquarters, Poona, N. C. Shah, B.Sc. (Eng.).

Boring Engineer, Poona, P. P. Thakur, L.M.E.

Assistant Mechanical Cultivation Engineer to Govt., Central Division, Poona, R. S. Tamhane, L.M.E.

Sub-Divisional Soil Conservation Officer, Poona, S. K. Biradar, B.Sc. (Agr.).

District Staff Officers

Principal, College of Agriculture, Dharwar, Dr. S. W. Mensinkal, B.Sc., Ph.D. (Lond.).

Professor of Animal Husbandry and Dairying, College of Agriculture, Dharwar, Dr. S. K. Goni, B.Sc. (Agr.), M.S. (Minnesota), Ph.D. (Minnesota).

Professor of Agronomy, College of Agriculture, Dharwar, Dr. B. A. Chaugule, B.Sc. (Agr.) (Hons.), M.S. (California), Ph.D. (California).

Professor of Agricultural Entomology, College of Agriculture, Dharwar, H. L. Kulkarni, M.Sc. (Agr.).

Professor of Plant Pathology, College of Agriculture, Dharwar, Dr. R. S. Deshpande, M.Sc., Ph.D. (London).

Professor of Horticulture, College of Agriculture, Dharwar, S. D. Kolagi, B.Sc. (Agr.), M.S.

Professor of Veterinary Science, College of Agriculture, Dharwar, K. L. Shiggaon, B.V.C.

Professor of Agricultural Engineering, College of Agriculture, Dharwar, R. F. Patil, B.E.

Professor of Agricultural Economics, College of Agriculture, Dharwar, Dr. N. P. Patil.

Cotton Botanist, B.S., Surat, Dr. N. R. Bhat, B.A., Ph.D. (Cantab.).

Cotton Development Officer, Surat, D. S. Sheth, B.Sc., M.S. (Ohio).

Agronomist, Soil Physicist's Section, Sholapur, L. Shrinivas, B.Sc. (Agr.).

Soil Chemist, Soil Physicist's Section, Sholapur, V. G. Tagare, B.A.

Assistant Plant Pathologist, Wheat Rust Scheme, Mahabaleshwar, V. P. Gokhale, B.A.

Plant Breeder and Officer-in-Charge, Crop Breeding Station, Bijapur, G. P. Argikar, B.A.

Plant Breeder and Officer-in-Charge, Cereal Breeding Station, Nipad, Dr. G. K. Govande, M.Sc., Ph.D.

Plant Breeder and Officer-in-Charge, Rice Breeding Station, Dharwar, B. B. Choudhari, B.Sc. (Agr.).

Plant Breeder and Officer-in-Charge, Rice Breeding Station, Karjat, N. Gopalakrishna, B.Sc. (Agr.), M.S. (California).

Biochemist in charge, Biochemical Section of the Scheme for research and extension work on rice in Bombay State, Karjat, Dr. M. M. Kibe, M.A., B.Sc., Ph.D.

Sugarcane Specialist, Sugarcane Research Scheme, Padegaon, S. S. Sirur, M.A.

Soil Survey Officer, Sugarcane Development Scheme, Padegaon, S. K. Patil, B.Sc.

Crop Protection Officer, Sugarcane Development Scheme, Ahmednagar, S. A. Raja Rao, M.Sc.

Entomological Officer-in-Charge, Combined Scheme for controlling Trichogramma and other pests of Sugarcane, Walchandnagar, S. R. Bagal, M.Sc.

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Assistant Mechanical Cultivation Engineer, S. D., Dharicar, M. N. Prabhakar.

Second Supdt., Office of the Chief Conservator of Forests,
S. B. Chandyankar.

Choudhary, L.E.E.

M.S. (U.S.A.), Ph.D. (L'pool).

Offg. Assistant Director of Industries, Nasik, M. B. Bhate, B.Sc. (Bom.), B.S. (U.S.A.), M.Ch.E. (U.S.A.).
Offg. Assistant Director of Industries, Poona, N. R. Kembhavi, L.T.C. Accounts Officer, Bombay, P. V. Bhavsar, M.Com., H. (L.S.).
Industrial Statistician, M. V. Pandit, B.Sc. (London), H. (Col.).
Textile Expert, Bombay, D. N. Savkur, L.T.M. (Hons.).
Assistant Geologist, Bombay, G. S. Awato, B.Sc.
Offg. Superintendent, Government Tanning Institute, Bandra, V. G. Damle.
Offg. Leather Expert and Superintendent, Leather Working School, Bandra, E. B. Bharucha.
Industries Officer, Nasik, P. H. Dalal, M.Sc.
Offg. Industries Officer, Baroda, H. N. Desai, M.Sc.
Industries Officer (S.P.), Bombay, N. P. Satpute, B.Sc. (Tech.), H. (Col.).
Industries Officer (Ahmedabad), L. U. Patel, B.Sc.
Offg. Industries Officer (Iron & Steel), Bombay, K. B. Vagholkar, B.E.
Offg. Industries Officer (S.P.), Bombay, C. R. Punganur, B.Sc.
Offg. Industries Officer, Poona, A. R. Gaudar, B.Sc.
Offg. Industries Officer (S.P.), Bombay, M. A. Gangat, B.Sc.
Industries Officer (General), Bombay, S. M. Lad, M.Sc. (Tech.) (Bom.), M.S. (U.S.A.).
Offg. Industries Officer, Belgium, N. M. Joshi, M.A.
Offg. Asstt. Gas Inspector (Bombay), P. B. Padaki, M.Sc. (Tech.).
Offg. Assistant Industrial Chemist, Baroda, S. S. Bhange, M.Sc.

Factory Departments

Bhatia Bal Rakhshak Vidyalaya Building, Manordas Street, Behind Police Station, Opp. V. T., Bombay.

Chief Inspector of Factories for Bombay State, Nanikram Gurdasling Kewalramani, B.Sc. (Eng.), Glas., C.P.E., B.E. (Civil) (Bom.), M.B. San. I., H. (Col.).

Senior Inspector of Factories and P.A. to Chief Inspector of Factories, Anantrao Ramchandra Kagal, B.A., B.Sc., F.C.S., H. (Col.) (Bombay).

Senior Inspectors of Factories, N. L. Gadkari, B.Sc. (Eng.), A.C.G.I. (Lond.), H. (Col.), G. (L.S.) (Ahmedabad); G. M. Kolhatkar, B.Sc. (Eng.) (Banaras Hindu University), H. (Col.), A.M.I.E., G. (L.S.) (Bombay); R. P. Patel, B.E. (Mech. & Elec.) (Bombay); D. B. Arte, B.Sc. (Bom.), B.Sc. (Elec. & Mech.), A.M.I.E., M.M.E.A. (Sholapur); F. T. R. Britto, B.E. (Bombay).

Junior Inspectors of Factories, V. M. Mardhekar, B.E. (Electrical 1st class) (Bom.), H. (Col.) G. (L.S.) (Kolhapur); S. M. Jadawala, B.E. (Elec. & Mech.), (Ahmedabad); Capt. N. R. Athavale, L.M.E., L.E.E. (V.J.T.I.) (Kolhapur); P. T. Shah, B.Sc. (Engg.) (Benares) (Ahmedabad); M. K. Patankar, B.E. (Mech. & Elec.) (Bom.) (Bombay); C. S. Joshi, B.E. (Mech. & Elec.) (Bom.) (Surat); N. J. Upadhyay, B.Sc. (Engg.) (Benares) (Bombay); K. N. Parakh, B.E. (Mech. & Elec.) (Baroda); B. G. Chhaya, B.Sc. (Mech. & Elec.) (Benares) (Poona); H. U. Godke, B.Sc. (Met.) (Bom.), M.T.V. (Bombay); M. R. Alna, B.E. (Mech.) (Bom.) (Poona); H. C. Keskar, B.Sc. (Eng.) (Benares) (Mech. & Elec.); S. G. Chawla, B.Sc. (Eng.) (Elec. & Mech.) (Benares), A.M.I.E. (India) (Bombay); J. G. H. Mofit, B.E. (Bombay).

Lady Inspectors of Factories, A. Ribeiro, M.B.E.S. (Bom.), B.M.S., Class II (Women's Branch) (Bombay); Kumari C. T. Vaswani, M.B.E.S. (Ahmedabad).

Inspectors of Notified Factories, R. A. Potdar, B.Sc. (Bom.), S.O. (Tech.) (Benares) (Bombay); Y. V. Thite, B.Sc. (Bom.) (Poona); B. L. Bokil, B.Sc. (Bom.) (Surat); D. S. Dharmasthal, B.Sc. (Bom.) (Bombay); C. D. Goratela, B.Sc. (Bom.) (Bombay); M. M. Mehta, H.Sc. (Bom.) (Bombay); N. P. Sarnalk, L.M.E., L.F.E. (V.J.T.I.), A.M.I.E. (India) (Bombay); N. A. Bhobhe, B.Sc. (Bom.) (Bombay); P. D. Sohoni, B.Sc. (Bom.) (Baroda); R. G. Gore, B.Sc. (Bom.) (Dhulia); V. S. Phadke, B.Sc. (Bom.) (Bombay); R. G. Rajadhyaksha, B.Sc. (Bom.) (Poona).

Technical Inspector of Factories, K. R. Gadgil, L.T.M. (Hons.), H. (Col.), G. (L.S.) (Bombay).

Inspectors under Payment of Wages Act and Additional Inspector of Factories, R. H. Nalk, L.T.M., H. (Col.), M. (L.S.) (Ahmedabad); S. D. Bhalri, L.T.M. (Bom.) (Bombay); V. S. Mulekar, B.A., LL.B. (Bombay).

Certifying Surgeons, Dr. N. L. Balaney, M.B.E.S., B.M.S., Class II (Ahmedabad); Dr. N. M. Alreja, M.B.E.S., B.M.S., Class II (Bombay).

Medical Inspector of Factories, Dr. R. L. Mendonca, B.Sc., M.B.E.S., B.M.S., Class II (Bombay).

DEVELOPMENT DEPARTMENT

Commissioner of Labour, Bombay, P. N. Damry, I.A.S.

Deputy Commissioner of Labour (Administration), V. P. Keni, M.A.

Certifying Surgeon, Bombay, R. C. Bapat, M.B.E.S.

Chief Inspector of Factories, N. G. Kewalramani, B.Sc. (Engg.), (Glas.), C.P.E., B.E. (Civil) (Bom.), M. R. San I.

Chief Inspector of Steam Boilers and Smoke Nuisances, J. M. Munshi.

Bombay Smoke Nuisance Commission

President, The Commissioner of Labour (Ex-Officio).

Members nominated by Government, The Executive Engineer, Presidency Division (Ex-Officio); The Chief Inspector of Factories, Bombay; R. K. Gurtu, Mechanical Superintendent, Bombay Port Trust, Bombay; Nominee of the Bombay Municipal Corporation.

Elected by the Millowners' Association, Bombay, M. M. Shah; K. S. Iyer.

Elected by the Engineering Association of India, D. S. Mulla.

Elected by the Hindustan Mazdoor Sevak Sangh, D. S. Narathe.

Elected by the Provincial National Trade Union Congress, Shankar Marathe.

Smoke Nuisance Subcommittee, Ahmedabad

Chairman, The Collector of Ahmedabad (Ex-Officio).

Member, nominated by Government, The Executive Engineer, Ahmedabad Division (Ex-Officio).

Member elected by the Ahmedabad Millowners' Association, Nanddas Haridas.

Member elected by the Ahmedabad Municipal Corporation, Jayantilal Jamlatram Vyasa.

Smoke Nuisance Subcommittee, Sholapur

Chairman, The Collector of Sholapur (Ex-Officio).

Member nominated by Govt., The Ex. Engineer, Sholapur (Ex-Officio).

Member elected by the Millowners, Sholapur, M. C. A. Cookson.

Member elected by the Sholapur Borough Municipality, President, Sholapur Borough Municipality.

CO-OPERATIVE DEPARTMENT

Poona

Registrar, Co-operative Societies and Director of Agricultural Marketing and Rural Finance, Bombay State, Poona, P. J. Chinmulgund, I.C.S.

Joint Registrar, Co-operative Societies, Bombay State, Poona, K. G. Prabhu, M.A.

Joint Registrar, Industrial Co-operatives and Village Industries, Bombay State, Poona, V. Subramanian, I.A.S.

Chief Auditor and Financial Adviser to Co-operative Department, G. R. Palkar.

Chief Marketing Officer, V. D. Karkhanis, B.A. (Hons.).

Deputy Registrars, Co-operative Societies, R. K. Mankikar, B.A. (Ahmedabad); C. K. Patel, B.A. (Baroda); A. A. Mahoy, M.A. (Nasik); B. A. Patil, M.A., G.D.C.A. (Belgaum); Vacant (Poona).

Personal Assistant to the Registrar, Co-operative Societies, Bombay State, Poona, B. M. Chitnis, B.A., LL.B., G.D.C.A.

Personal Assistant to the Joint Registrar, Co-operative Societies, Poona, S. S. Rajgopalani, M.A.

Deputy Joint Registrar, Industrial Co-operatives and Village Industries, Poona, Y. G. Dharmadhikari, M.A., LL.B.

Assistant Registrar, Dairy Societies, Poona, V. P. Bhole, B.A.G.

Assistant Registrar, Rehabilitation for Production Centres, Bombay, V. G. Angue.

Asstt. Registrars, Co-operative Societies, P. H. Mehta, G.D.C. & A. (Nadiad); C. K. Desai, B.A., G.D.C.A. (Surat); G. K. Chitnis, B.A. (Mehsana); N. K. Desai, B.A. (Ahmedabad); D. A. Desai, B.A., G.D.C.A. (Godhra); J. K. Barot, B.A. (Hons.), G.D.C.A. (Broach); H. G. Doshi, B.Sc., G.D.C.A. (Bombay); M. M. Shah, B.Com. (Sabarkantha); N. S. Kulkarni, B.A. (Amreli); M. V. Patel, B.A.G. (Banaskantha); K. M. Diwanji, B.A. (Baroda); V. J. Phadke, G.D.C.A. (Thana); P. V. Patil, B.A.G. (Nasik); B. S. Chaudhari, B.Com., G.D.C.A. (Jalgaon); N. D. Suryavanshi, B.Com., G.D.C.A. (Dhulia); C. S. Hubli, B.A., G.D.C.A. (Belgaum); C. A. Jamkhandimath, B.A., LL.B. (Dharwar); R. H. Deshpande, G.D.C.A. (Ahmednagar); S. S. Erram, B.A., LL.B., G.D.C.A. (Sutara North); A. D. Kanade, B.A., G.D.C.A. (Sutara South); D. V. Parulekar, B.Com. (Sholapur); S. S. Sundaresan, M.A., G.D.C.A. (Bijapur); C. B. Hiremath, B.A., LL.B. (Karwar); K. R. Swadi, G.D.C.A. (Poona); B. V. Kumbhare, B.A., B.T. (Alibag); A. R. Sonawane, B.A., LL.B. (Ratnagiri); V. R. Shinde, B.A., G.D.C.A. (Sholapur).

Special Auditors, Co-operative Societies, A. G. Anegundi, B.A., G.D.C.A. (Belgaum); M. M. Oza, B.Com. (Nasik); A. D. Patwardhan, B.A., LL.B., G.D.C.A. (Jalgaon); S. J. Joshi, G.D.C.A. (Poona); K. V. Murkute, B.Com. (Bombay); H. G. Sapre, G.D.C.A. (Kolhapur); V. S. Ghargi, B.A. (Dharwar); M. C. Patel, B.Com. (Nadiad); M. B. Desai, B.A. (Baroda); G. R. Joshi, B.A. (Ahmedabad); J. M. Trivedi (Surat); M. K. Anandrao, G.D.C.A. (Addl. Sholapur).

Special Auditor on deputation, C. S. Paranjape, B.Com., Manager, Dist. Co-op. Central Bank, (Sholapur).

Marketing Research Officer, Bombay, M. I. Patel, B.A.G.

Asstt. Marketing Officers, N. M. Patel, B.A., B.Sc. (Ahmedabad); D. K. Vaishampayan, B.A.G. (H. Qrs., Poona); D. V. Hiremath, B.A.G. (Bombay); C. G. Shettar, B.A. (Hons.) (Dharwar); R. B. Wani, B.Com. (Nasik); S. B. Gosavi, B.A.G. (Baroda).

Assistant Marketing Officer attached to the Agri. Produce Market Committee Sangli, G. P. Kawatkar, B.A.G.

Tanning & Leather Expert for Industrial Co-operatives & Village Industries, Poona, B. K. Kale.

Textile Officer for I.C. & V.I., Poona, M. A. Kelkar.
Engineer for I.C. & V.I., Poona, P. S. Nadkarni.
Wool Expert, I. C. & V. I., Poona, M. K. Neogy.
Registrar of Moneylenders, Bombay City, H. G. Doshi, B.Sc., G.D.C.A.
Registrar of Moneylenders, Poona & Personal Assistant to Registrar
General of Moneylenders, J. G. Saldanha, B.A. (Hons.), G.D.C.A.
Registrar of Moneylenders, Kolhapur, J. J. Hemrajani.
Asstt. Registrars of Moneylenders, G. L. Chaudhari (Bombay City &
Suburb); S. M. Kuray, Bar-at-Law (Kolhapur); B. L. Chavan,
B.A., LL.B. (Hubli); N. H. Thacker, B.Com., LL.B. (Ahmedabad);
T. A. Pratindhi B.A., LL.B. (Poona).

BACKWARD CLASS DEPARTMENT

Poona

Director of Backward Class Welfare, Bombay State, Poona, T. M. Chudhary, M.A. (Oxon.), I.A.S.
Assistant Director of Backward Class Welfare, Dharwar Circle, Dharwar, S. K. Patil.
Assistant Director of Backward Class Welfare, Ahmedabad Circle, Ahmedabad, P. H. Nanavati, B.A. (Hons.), B.T.
Assistant Director of Backward Class Welfare, Baroda Circle, Baroda, M. S. Sindhu.
Assistant Director of Backward Class Welfare, Nasik Circle, Nasik, G. G. Joshi.
Assistant Director of Backward Class Welfare, Thana Circle, Thana, B. L. Jadhav.
Personal Assistant to the Director of Backward Class Welfare, Bombay State, Poona, Ramchandra Khanhoji Gadekar, B.A., B.T., Dip. Ed. (Edin.).
Backward Class Welfare Officers, V. B. Solanki, B.A. (Banaskantha & Sabarkantha, Idar); B. G. Parmar, LL.B. (Ahmedabad & Kaira, Nadiad); B. R. Parmar, LL.B. (Mehsana & Amreli including Okhamandal, Mehsana); D. L. Budhlal (Panch Mahals, Dohad); K. K. Leuva, B.A., LL.B. (Surat Dist., Surat); P. B. Galkwad, B.A., LL.B. (Baroda & Broach Dist., Baroda); B. M. Kamat, B.A. (West Khandesh & East Khandesh Dist., Jalgaon); Dr. D. P. Khanapurkar, M.A., Ph.D. (Nasik & Dangs, Nasik); B. V. Upashi (Greater Bombay and Thana District, Thana); S. V. Galkwad (Ratnagiri and Kolaba Districts, Ratnagiri); G. M. Babar (Sholapur District, Sholapur); D. K. Pol, B.A., B.T. (Kolhapur & South Satara Dist., Kolhapur); H. N. Nukapur, B.A. (Dharwar & North Kanara, Karwar); L. B. Sadre (Belgaum & Bijapur, Bijapur); L. B. Thade, B.Sc. (Ahmednagar District, Ahmednagar); D. N. Murdeshwar, B.A. (Poona and Satara North Districts, Satara).

VISUAL EDUCATION DEPARTMENT

Gymnasium Road, Bombay 1

Inspector for Visual Education, Bombay State, Bombay, G. K. Athalye, M.Sc. (Lond.), A.R.C.Sc. (Lond.), D.I.C. (Lond.), M.B.S.T. (Lond.), B.T. (Bombay).

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Secretariat, Bombay

Director of Publicity, M. H. Shah.
Deputy Director of Publicity, T. V. Parvate.
Information Officer, S. M. Vanjari.
Asstt. Director of Publicity (Kannada), B. B. Chitgupi.
Asstt. Director of Publicity (Marathi), B. S. Vartikar.
Asstt. Director of Publicity (Gujarati), N. K. Bhattach.
Asstt. Director of Publicity (Administration), V. S. Telang.
News Editor, D. R. Samant.
Asstt. News Editor, P. R. Kalkind.
Films Officer, S. C. Patil.
Editor, Rural Magazine, M. G. Kamath.

Rural Broadcasting Section

Engineer-in-Charge, M. M. Wagle.

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Executive Editor and Secretary, Prof. M. R. Palande, M.A.,
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Asstt. Registrar of Firms, T. J. Gondhalkar, B.A. (Hons.), LL.B.

REGISTRATION

Old Custom House, Fort, Bombay

Sub-Registrar of Bombay exercising all the powers of a Registrar except that of hearing appeals; Registrar of Marriages under Act III of 1872; Registrar of Births and Deaths under Act VI of 1886, G. R. Matapurkar, B.A.

Joint Sub-Registrar of Bombay exercising all the powers of a Registrar except that of hearing appeals; Registrar of Marriages under Act III of 1872, D. J. Desai, B.A.

REGISTRAR OF MONEYLENDERS

Town Hall, Bombay

Registrar, H. G. Doshi.

ASSISTANT REGISTRAR OF MONEYLENDERS

2nd Floor, D. D. Bldg., Old Custom House Yard

Asstt. Registrar, G. L. Chaudhari.

YERVADA INDUSTRIAL SCHOOL

Poona 6

Superintendent, B. S. Khare, B.A.

Dy. Superintendent, D. K. Athalye.

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Director, Govt. Printing and Stationery, Bombay, J. B. D'Souza, I.A.S.
Manager, Government Central Press, Bombay, D. K. Pradhan, B.A., B.Sc.

Manager, Yervada Prison Press, R. G. Thakar, B.A. (Hons.), B.Com.
Manager, Govt. Photozincographic Press and Photographic Expert to Govt., Poona, J. W. D'Souza.

Manager, Government Press and Stationery Dept., Baroda, G. C. Nagani.

Manager, Government Press and Stationery Stores, Kolhapur, G. J. Gonsalves, B.A.

MISCELLANEOUS APPOINTMENTS

Presy. Surg., Bombay, with attached duties, M. B. Kanekar, M.B.B.S.

Police Surgeon, H. S. Mehta, M.S. (Bom.), F.O.P.S. (Bom.).

Supervisor, Bombay Entertainment Duty Act, V. C. Vora, M.Sc.

PORT HEALTH ORGANISATION

Construction House, Ballard Estate, Bombay 1

Port Health Officer, Dr. D. Choudhury, B.Sc. (Cal.), M.B.B.S. (Pat.), D.P.H. (Cal.), D.T.M. (Cal.)

Dy. Port Health Officer, Dr. K. Bhaskaran, B.A. (Mad.), M.B.B.S. (Mad.), D.P.H. (Cal.).

Asstt. Port Health Officers, Dr. N. Krishnaswamy, M.B.B.S. (Mad.); Dr. K. M. Budhrani, B.Sc. (Bom.), M.B.B.S. (Bom.).

Leave Reserve Officer, Dr. M. C. Hasrajani, M.B.B.S. (Mad.).

Lady Doctor, Dr. (Mrs.) T. D. Bharucha, M.B.B.S. (Bom.).

Head Clerk, V. V. Kakodkar, B.A. (Bom.).

Seamen's Medical Examination Scheme, Bombay

Doctors, Dr. D. B. Parakh, M.B.B.S. (Bom.), D.P.H. (Lond.), D.T.M. (Liv.), L.M. (Dub.); Dr. K. J. Mankani, M.B.B.S. (Bom.), D.O. (Bom.); Dr. J. M. Sen-Gupta, M.B.B.S. (Cal.), D.P.H. (Cal.).

Indian Seamen's Clinic, Thana Street, Bombay

Incharge, Dr. R. D. Kowalramani, M.B.B.S. (Mad.).

Yellow Fever Inoculation Section, Haffkine Institute

Incharge, Dr. Vijay Singh, M.B.B.S. (Cal.).

CENTRAL BOARD OF FILM CENSORS

Ministry of Information and Broadcasting,

91, Walkeshwar Road, Bombay 6

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Members, C. R. Srinivasan; Tushar Kanti Ghosh; Shrimati Lilavat Munshi; S. K. Patil; Dr. Amaranatha Jha; B. N. Sircar.

Regional Officer at Bombay, S. A. Ayer.

Assistant Regional Officer-cum-Secretary, J. J. J. Cursetji, B.A., LL.B., Bar-at-Law.

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Old Custom House Yard, Fort, Bombay

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Deputy Collector, Bombay, and Personal Assistant to Collector of Bombay, B. S. Bhosekar, B.A.

Superintendent, Bombay City Survey and Land Records, R. J. Sethna, B.E., B.A., B.Sc., LL.B.

District Dy. Collector, B.S.D., H. M. Jani, B.A.

Additional Special Land Acquisition Officer, Bombay & B.S.D., A. M. Pandya, M.A.
Supervisor, B.E.D.A., V. C. Vora, M.Sc., M.I.S.E.
Special Officer, B.S.D., V. S. Palshetkar.
Mamlatdar, South Salsette, Andheri, D. L. Master, B.A.
Chainis to the Collector, B.S.D., N. G. Wani.
Head Clerk to the Collector of Bombay, P. S. Sathaye.

STAMPS

Town Hall, Fort, Bombay

Superintendent of Stamps, J. D. Kapadia, I.C.S.
Asstt. Superintendent of Stamps, S. S. Malik, B.A. (Hon.), J.P.
Dy. Assistant Superintendent of Stamps, Y. R. Pradhan, B.A.

DEPARTMENT OF LIBRARIES

Town Hall, Bombay 1

Curator of Libraries, Bombay State, Bombay, T. D. Wankar, B.A., F.L.A.
Assistant Curator of Libraries, Maharashtra Region, Poona, K. G. Bhagwat, M.A.
Assistant Curator of Libraries, Gujarat Region, Ahmedabad, V. M. Patel, B.A.
Assistant Curator of Libraries, Gujarat Region, Baroda, U. M. Patel, B.A.
Assistant Curator of Libraries, Karnatak Region, Dharwar, G. M. Patil, B.A.

BOMBAY PUBLIC SERVICE COMMISSION

Bank of India Building, Mahatma Gandhi Road, Bombay

Chairman, Dr. K. B. Bharucha, Ph.D., Bar-at-Law.
Members, M. S. Patil, B.A., LL.B., J.P.; R. N. Wallingkar, B.A. (Oxon), J.P.; R. R. Ghorpade, B.Sc., J.P.
Secretary, B. J. Israel, M.A.
Asstt. Secretary, Y. G. Sanglikar, M.A., LL.B.

JAILS

Inspector-General of Prisons, M. K. Deshpande, I.A.S.
Superintendent, Arthur Road Prison, House of Correction, Byculla, S. C. Chavan.

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Secretary & Housing Commissioner, C. R. Desai, B.E., B.S.E. (I).
Legal Advisor, R. C. Rele, B.A., LL.B.

OFFICE OF THE HOUSING COMMISSIONER

Esplanade Maidan, Cruickshank Road, Bombay

Housing Commissioner and Secretary, Bombay Housing Board, C. R. Desai, B.E., B.S.E. (I).
Assistant Housing Commissioner (North), S. S. Kirtane, B.E., A.M.I.E. & C.Y.E., M.R. Sanil.
Executive Engineer, Housing, Development Division, Worli, Bombay, V. V. Navare, B.E., B.S.E. (I).
Executive Engineer, Housing, East Division, Bombay, D. P. Shah, B.E., B.S.E. (I).
Executive Engineer, Housing, Ulhasnagar Division, Kalyan, V. B. Salukhe, B.E., B.S.E. (I).
Executive Engineer, Housing, Ahmedabad Division, B. P. Derla, B.E., B.S.E. (I).
Executive Engineer, Housing, West Division, Worli, Bombay, P. A. Joshi, B.E., B.S.E. (I).
Works and Designs Officer, Bombay, S. G. Sohoni, D.C.E., B.S.E. (II).
Dy. Engineer attached to office of the Housing Commissioner, Bombay, N. P. Punjabi, B.E., B.S.E. (II); U. N. Karnani, B.E., B.S.E. (II); C. R. Seth, B.E., B.S.E. (II).
Dy. Engineer, attached to Office of the Assistant Housing Commissioner, West, D. P. Shah, B.E., B.S.E. (II).
Dy. Engineer, attached to Office of the Assistant Housing Commissioner (North), N. M. Parelkar, B.E., A.M.I.E., B.S.E. (II).
Deputy Engineer, Worli Construction Sub-Division, M. J. Bhatla, B.E., A.M.I.E., B.S.E. (II).
Deputy Engineer, Sion Construction Sub-Division, G. B. Agarkar, D.C.E.
Deputy Engineer, Construction Sub-Division (East) No. 2, Pimpri, U. N. Karnani, B.E., B.S.E. (II).
Deputy Engineer, Housing Sub-Division No. 1, Ahmedabad, R. G. Bhatla, B.E., A.M.I.E., B.S.E. (II).
Deputy Engineer, Baroda Rehabilitation Sub-Division, Baroda, S. L. Patel, B.E., B.S.E. (II).

Deputy Engineer, Kubernagar Sub-Division, Ahmedabad, A. V. Parikh, B.Sc., B.E.
Deputy Engineer, Hansol Sub-Division, Ahmedabad, J. P. Jethwani, B.E.
Deputy Engineer, Neighbourhood Sub-Division 'B', Worli, I. S. Gidwani, B.E.
Deputy Engineer, Maintenance Sub-Division, Worli, C. R. Sheth, B.E.
Deputy Engineer, Neighbourhood Sub-Division 'D', Worli, M. V. Nagarkar, B.E., B.S.E. (II).
Deputy Engineer, Development Sub-Division 'A', Worli, B. Narayan Rao, B.Sc., B.E.
Deputy Engineer, Development Sub-Division 'B', Worli, C. T. Nariani, B.E., B.S.E. (II).
Deputy Engineer, Ulhasnagar Township Sub-Division No. I, Kalyan, R. V. Satho, B.E., B.S.E. (II).
Deputy Engineer, Ulhasnagar Township Sub-Division No. II, Kalyan, L. J. Yadav, B.E.
Deputy Engineer, New Township Road, Sub-Division No. II, Kalyan, V. B. Parikh, B.E., B.S.E. (II).
Estate Manager, Bombay Housing Board, S. B. Soman.
Asstt. Estate Manager, J. N. Bhagwat, B.A., LL.B.
Chief Accounts Officer, Bombay Housing Board, R. S. Ramaswamy Iyer, M.A., L.T., G.D.A., A.I.C.W.A.

SECRETARIAT RECORD OFFICE

Elphinstone College Building, Fort

Director of Archives, Government of Bombay, Dr. P. M. Joshi, M.A., Ph.D. (Lond.).
Historical Archivist, Dr. V. G. Dilge, M.A., Ph.D.
Superintendent, W. Cardozo.

CUSTODIAN OF EVACUEE PROPERTY

Mercantile Bank Bldg, Mahatma Gandhi Road, Fort, Bombay 1

Custodian of Evacuee Property, R. S. Trivedi.
Inspecting Deputy Custodian, N. F. Canteenwalla.
P. A. to Custodian of Evacuee Property, K. R. Soman.
Accounts Officer, V. R. Paranjpe.
Assistant Custodians, N. M. Shah; T. I. Bhagtanil.

TECHNICAL EDUCATION

Elphinstone Technical High School Bldg, Cruickshank Road

Director of Technical Education, J. A. Taraporevala, B.Sc. (Bom.), B.Sc. (Edin.), M.I.Struct.E., M.I.C.E. (London), M.I.E. (India).
Inspector of Technical Education (Chemical Engineering), R. S. Kenkre, B.Sc., B.Sc. (Tech.) (Bom.), M.S. (U.S.A.).
Inspector of Technical Education (Engineering), H. T. Gandhi, B.Sc. (Engg.), Benares, A.M.I.E. (India).
Deputy Inspector-cum-Personal Assistant to Director of Technical Education, M. R. Bhise, B.Sc., B.E. (Mech.), B.E. (Elec.), A.M.I.E.E. (London), A.M.I.E. (India).
Deputy Inspector of Technical Education (Textiles), A. U. Shenoy, L.T.M. (Hons.).

RATIONING DEPARTMENT

Controller of Rationing, Bombay, B. A. Koreishil.
Assistant Controller of Rationing (Government Grain Shops), M. H. Bhujwalla.
Assistant Controller of Rationing (Districts), B. P. Gothoskar.
Assistant Controller of Rationing (Establishments), S. H. Fernandez.
Assistant Controller of Rationing (Retailers), V. B. Parulkar.
Assistant Controller of Rationing (Wards), D. S. Rajadhyaksha.
Assistant Director of Civil Supplies (Govt. Grain Shops), B. S. Kanade.

OFFICE OF THE SUPERINTENDENT OF PARKS AND GARDENS

14, Queen's Barracks, Fort

Superintendent, Bhanu L. Desai, B.A., F.I.L.A. (Eng.).
Head Clerk, K. N. Sreenivasa Sarma, B.Sc.
Superintendent, Government Gardens, Poona, K. D. Galkwad.
Supdt., Govt. Gardens, Baroda, R. C. Patel, M.Sc.
Supdt., Govt. Gardens, Kolhapur, K. D. Mohite, B.Ag.

For the following Departments See under Poona :

1. Town Planning and Valuation Department.
2. Education Department.
3. Soil Conservation Section.
4. Land Records and Registration.
5. Public Works Department.
6. Public Health Department.

THE BOMBAY CORPORATION

The municipal government of Greater Bombay vests in the Municipal Corporation, composed of 124 representatives elected on adult franchise.

The Corporation has four statutory committees, the Standing Committee, the Improvements Committee, the Education Committee and the Bombay Electric Supply and Transport Committee.

The executive power in regard to administration vests in the Municipal Commissioner. The administration of the B.E.S.T. Undertaking, however, vests in the General Manager.

The Corporation is required to meet at least once a month. In actual practice it meets twice a week and oftener if necessary. Meetings of the Corporation are presided over by the Mayor who also convenes the meetings. The Mayor's term of office is one year and he is elected at the first meeting in April.

The Standing Committee consists of 16 members, all of whom are elected by the Corporation. Half the members retire at the end of each year. The Chairman is elected by the members of the Committee at the first meeting every year. The main functions of the Committee are to sanction contracts, to scrutinize the budget and establishment schedule, frame service regulations, sanction investment of funds, prescribe the form of keeping accounts and conduct their scrutiny. The Committee meets once every week usually on Wednesdays.

The Improvements Committee consists of 16 Councillors, all of whom are elected by the Corporation. The Chairman is elected for a term of one year, while half the Councillors retire at the end of each year. The Committee is charged with all improvement and development schemes, slum clearance, poorer classes accommodation, purchase and sale of land which does not exceed Rs. 50,000. The Committee usually meets once a fortnight on Tuesdays.

The Bombay Electric Supply and Transport Committee consists of nine members, one of whom is the Chairman of the Standing Committee (ex-Officio), while the remaining members are appointed by the Corporation from among persons who (may or may not be members of the Corporation) have experience of administration, transport or electric supply, or of engineering, industrial, commercial, financial or labour matters. The Chairman is appointed by the members for a period of one year, while half the members retire every second year. The Committee usually meets every Friday; and the Chairman and members are paid a fee for attending the meetings. The Committee exercises a general control over the electric supply and transport undertakings of the Corporation.

The Education Committee consists of 16 members of whom 12 are Councillors and 4 non-Councillors. The Chairman of the Committee is elected, for a period of one year, while half the members retire at the end of each year. The Committee usually meets on the first Friday of every month. The main function of the Committee is to administer the Primary Education Act or any other law for the time being in force.

Besides the Statutory Committees mentioned above there are four Special Committees appointed by the Corporation. These are 1. the Works Committee, 2. the Medical Relief and Public Health Committee, 3. Markets and Gardens Committee, and 4. Law, Revenue and General Purposes Committee. Each Committee consists of 24 Councillors appointed by the Corporation after each general election. There are a Chairman and a Deputy Chairman for each Committee who are elected by the members and who hold office for one year. All questions that are due to go before the Corporation must first be considered by the appropriate Special Committee which then makes its recommendations to the Corporation.

Then there are a number of *ad hoc* Consultative Committees to which the Corporation can refer any matter for consideration and report. The Committees so appointed at present are 1. Grants-in-aid to various institutions in the City, 2. Greater Bombay, 3. Government orders in the matter of construction of new buildings, 4. Preparation of a thorough Municipal Electoral Roll, 5. Provision of an adequate number of play-grounds, gardens, etc. in each ward, 6. the Parulekar Report on Primary Education, 7. Co-ordination of Physical Culture Institutions in the City.

The four most important executives of the Corporation are the Municipal Commissioner, the General Manager of the Undertaking, the Municipal Secretary and the Municipal Chief Auditor.

The Municipal Commissioner is at the head of the Executive. He is usually a senior member of the Indian Civil Service and is appointed by the Government for a renewable period of three years. He can be removed by the Corporation by a five-eighths vote. If however Government desire to revert him to their service the consent of the Corporation is necessary. He attends meetings of the Corporation and Committees but does not vote. He is assisted by two Deputy Municipal Commissioners and one Assistant Commissioner, in addition, of course, to heads of departments.

The General Manager of the Undertaking is in the same position to the Electric Supply and Transport Undertaking as the Municipal Commissioner is to the Corporation as a whole. He is appointed by the Corporation subject to the approval of the Provincial Government

for a renewable period of not more than five years at a time. He can be removed by the votes of not less than half the number of the Councillors. He attends the meetings of the B.E.S.T. Committee and takes part in the discussions but does not vote.

The Municipal Secretary is in charge of all the secretarial work pertaining to the Corporation and its Committees. He is independent of the Commissioner and is directly under the Standing Committee.

The Municipal Chief Auditor is also independent of the Commissioner and is directly under the Standing Committee.

Primary education is free and compulsory in the Bombay Suburban District and is the special responsibility of the Corporation.

There are at present 405 Municipal Schools and Classes conducted by the Education Committee and 291 Aided and Recognized Schools to which the Corporation makes grants or gives recognition. The total number of pupils in all Primary Schools on March 31, 1953 was 257,702 out of whom 188,150 were in Municipal Schools and 69,552 in Aided Schools. The Corporation grant to the Education Committee was Rs. 1,45,48,000. Of this Government contributed Rs. 30,58,875.

The Municipality maintains the Victoria and Albert Museum at Victoria Gardens and a number of free reading rooms and libraries (3 libraries in each ward, one for women and two for men).

As for medical relief the Municipality conducts one large fever hospital (Arthur Road), and three large general hospitals (K.E.M., Nair and Sion) and three hospitals for tuberculosis patients. Then there are 24 free dispensaries, five maternity homes, 15 ante-natal clinics, seven family planning clinics and one venereal diseases clinic.

WATER SUPPLY

The water supply of the City is drawn from three lakes: Tansa, Vihar and Tulsi. The Tansa Lake can supply about 100 million gallons per day and is the main source of water supply. It is situated about 66 miles north-east of Bombay. The Vihar Lake can supply 17.5 million gallons a day exclusively to the north-east part of the City and also partly to Chembur and Kurla. It is situated about 18 miles north of Bombay. The Tulsi Lake which is to the north-west of Vihar Lake supplies about 4 million gallons a day to H, K and L Wards.

Under Section 140 of the Bombay Municipal Corporation Act the Corporation can levy water tax on buildings, lands and premises in the City. The tax is fixed as a certain percentage of the rateable value of the building, land or premises. The present rate is 31 per cent. Under Section 169 the water supplied can also be charged on meter measurement and at the rates prescribed from time to time by the Standing Committee. Water tax is the first charge on a property under Section 141, and can be recovered from the owner by distress (Sections 203, 204) and is also recoverable from tenants by authorizing them to make payments from their rents (Section 200). The supply of water to any premises can be cut off in default of payment of water tax or any sum due for water or hire of meter or expenses of work done (Section 279(1)(a)). Copies of Water Charges Rules can be had from the office of the Hydraulic Engineer on payment of a sum of annas 8 per copy.

The newly added areas of the former Bombay Suburban District are divided into five wards for purposes of water supply H, K, L, M and N, with two Assistant Engineers in charge, one looking after H and K Wards and the other after L, M and N. The supply is through-out metered.

The obligatory duty of the Corporation to supply an adequate quantity of water relates to the provision of supply only up to the boundary of the premises, as distinguished from the distribution of water within the premises. Any premises can be served by means of one communication pipe only the size of which depends upon the quantity of water needed in the premises. The owner can have separate connections to each floor provided he pays the cost of all the connections but one.

If the Municipal Commissioner finds that any premises are not provided with an adequate supply of pure water he has the power under Section 271(2) to compel the person who pays the property tax to obtain an adequate supply from a Municipal Water Works and carry out all such works as is necessary for a proper distribution of the water.

No one except a licensed plumber can undertake work on water-pipes and fittings and no person can allow any such work to be done by anyone except a licensed plumber.

For purposes of distribution Bombay is divided into 3 parts, called A Division, B Division and C Division. Broadly speaking, the A Division consists of the areas of Clerk Road, Hornby Vellard up to Jacob Circle, Lamington Road, part of Grant Road, Kika Street, Abdul Rehman Street and Carnac Road up to the Victoria Dock in the north, and on the west coast along Back Bay, Walkeshwar, Nepean Sea Road and Warden Road up to Clerk Road Junction—this Division is served by the Malabar Hill Reservoir.

Division B consists of the localities of Kalachowki Road, Reay Road, Coal Bunder in the north, on the eastern coast up to Carnac Road, Abdul Rehman Street, Kika Road, Falkland Road and part of Grant Road up to Lamington Road in the south, in the west Lamington Road and Arthur Road and finally some areas of Dongri and Mandvi and Mazagon. The whole of this Division is supplied from the Bhandarwada Hill Reservoir. The C Division, that is the north of the Island is served directly from the Trunk mains as they enter the City.

The quantity of water given through the Malabar Hill Reservoir is 32 million gallons a day, through the Bhandarwada Reservoir 18 and the quantity given directly 70 million gallons.

A word about prevention of waste is in order. It is not possible for the Waste Prevention staff to inspect every building. If any leakage of water is noticed the public is requested to immediately inform the Babula Tank Central Enquiry Office, Telephone No. 71215-16. Water-taps in private buildings are re-washed free of charge by the Department on request.

The Tansa supply is chlorinated at the Chlorination Plants of Powal and Ghatkopar, while the Vihar supply is sterilized at Powal. When there is any difficulty in obtaining liquid chlorine bleaching powder is used, the Tansa water being chlorinated at Bhandup and the Vihar at the source. The Tulsi supply is treated with potassium permanganate and alum and is passed through seven beds of sand filters. With a view to keeping up the standard of residual chlorine an extra dose is injected into the inlet mains at Futka Tank, Malabar Hill and Bhandarwada Reservoirs. Sometimes mains are also re-chlorinated by means of portable chlorine acts.

There is a fortnightly bacteriological and chemical analysis of water carried out by the Municipal Analyst.

PUBLIC HEALTH DEPARTMENT

The Public Health activities are carried on under the direct control and supervision of the Executive Health Officer. The Department is divided into several branches such as conservancy and sanitation, food sanitation, vital statistics, prevention and control of communicable diseases, maternity and child hygiene, medical relief and health propaganda.

The Conservancy Branch is in the charge of a Head Supervisor who has an Assistant. Under them are Supervisors, Senior Overseers, Junior Overseers, Depot attendants, etc. The Veterinary staff is under a Senior Veterinary Inspector, who has a number of Junior Inspectors and qualified veterinary surgeons.

Conservancy includes cleansing of streets, etc., removal and disposal of refuse, destruction of rats and dogs, veterinary service, removal of carcasses, disinfection, ambulance and so on.

Environmental sanitation comprises inspection and supervision of premises, provision of public sanitary conveniences, sanitary control over factories, licensable trades, overcrowding.

The veterinary staff inspects the stables in the city and are also in charge of the bullock hospital and segregation sheds in Mahalaxmi.

For purposes of sanitation, registration and vital statistics the city is divided into five divisions, each division being under the charge of an Assistant Health Officer who is directly responsible to the Executive Health Officer. Each of these divisions is further sub-divided into sections, each section being put under the charge of a Medical Inspector.

For the hygienic control of the milk trade there are Milk Inspectors and Sub-Inspectors.

For pest control there is a Malaria and Insecticide Branch. Anti-malaria and pest-control measures are carried out by a staff of Assistant Insecticide Officers, Malaria Inspectors and so on under the control of an Insecticide Officer who is directly responsible to the Deputy Executive Health Officer.

The vaccination staff includes a Superintendent, a Head Vaccinator, a number of Vaccinators including a Lady Vaccinator. There are 38 permanent public vaccination stations 3 of which work daily at 1. The Central Vaccine Depot, Parcel, 2. The Sanitary Institute Building, Dhobi Talao, 3. Arthur Road Hospital. The remaining centres work on one day every week by rotation for about 2½ hours. Besides, 4 additional temporary centres work one day every week for 2½ hours.

Hygiene includes maternity and child welfare, family planning and school health.

There are five Maternity Homes, each in charge of a Lady Medical Officer. Twenty Health visitors, do the follow-up work and domiciliary care under the direction of the Lady Medical Officer. A small maternity unit is conducted at Dharavi. Expectant mothers are encouraged to attend ante-natal clinics, of which there are 15 in number. The five Maternity Homes are at Cadell Road, Victoria Road, Bellasis Road, Khetwadi and Imamwada Road. And the child welfare clinics are conducted (besides the Maternity Homes) at Fergusson Road Dispensary, Dadar Main Road Dispensary, Labour Welfare Centre at Arthur Road Chawls, Ambewadi Dispensary at Parcel Tank Road, District Dispensary at Souter Street, Tardeo Flats Dispensary, District Dispensary at Charni Road, District Dispensary at Panjrapole, Palton Road Stables Dispensary, District Office at Kolsa Mohalla.

There are seven Family Planning Clinics at 264, Charni Road; Bai Gulbai Choksy Dispensary at Dr. D'Silva Road, Dadar; Bellasis Road Maternity Home; Victoria Road Maternity Home; Imamwada Maternity Home; Cadell Road Maternity Home; and Khetwadi Maternity Home.

School Health Work is limited to Municipal Schools only and is under a Medical Officer. Children found to have defects are taken for treatment in school buses to the school clinic at K.E.M. Hospital. Dental care is given at the Dental Clinic at the Bai Yamunabai L. Nair Hospital.

The Public Health Laboratory which is under the charge of a Municipal Analyst conducts routine and special examinations of water, sewage, food, urine, blood and sputa of patients at Municipal Institutions.

Medical Relief is given at two big Hospitals, K.E.M. and Nair, 24 Municipal Free dispensaries and one Eye Dispensary and Hospital.

The dispensaries are situated at 55, Rajwadekar Street, Colaba; 303, Frere Road, Fort; 259, Sandhurst Road, Dongri; 212(1) Panjrapole Street, Bhuleshwar; 264, Charni Road, Girgaum; 15-17, Khetwadi First Lane; 1, Souter Street, Byculla; 143, Foras Road; Bai Gourabai Dispensary, Kamathipura 8th Lane; Bai Gulbai Choksy Dispensary, D'Silva Road, Dadar; B.D.D. Chawl, No. 45, Worli; 213 C, Deltale Road; 215(II) and (I), Dharavi Road; New Parbadevi Road and Cadell Road Junction; Mulji Bhuvan, Sewri New Road; New Chawl, Ambewadi, Parcel Tank Road; 180-180-A, New Deltale Road; Tardeo Flats, Mahalaxmi; Connaught Road, Byculla; Chembur Dispensary, Chembur; King George V Infirmary, Haines Road, Mahalaxmi; Palton Road; Zandu Ayurvedic, Gokhale Road (South), Dadar, Dadar Main Road, Municipal Chawl No. 1.

The Eye Dispensary is in Bai Lingubai Building in Kamathipura where an eye hospital is also located.

There is a Public Health Propaganda Section working for mass education in matters pertaining to health.

SOME FACTS (1952-53)

Area of the City	16,761 acres
Population	23,25,945
Density of Population	139 per acre
INCOME :-	
General Tax at 14 per cent	Rs. 2,57,58,248
Fire Tax at 1 per cent	" 14,96,233
Water Tax at 3½ per cent including other receipts from Water Works	" 1,60,59,149
Mahalkhore Tax at 3 per cent including receipts from special service	" 58,12,908
Total Income (including revenue from other sources)	" 7,71,50,714
Rates charged for water connections by measurement	From Rs. 6 to Rs. 2 per 1,000 gallons according to the use of the properties.
Incidence of taxation per head	Rs. 26-6-2
Total rateable value	" 21,00,54,130
Properties registered in the Assessment Book	" 53,865
Rateable value per head of population	" 90-4-11
EXPENDITURE :-	
Primary Education	" 1,13,00,121
Medical Relief and Education	" 71,09,192
Water Works -	
Maintenance	Rs. 38,87,841
Debt Charges	" 79,86,078
	1,18,73,919
Debt Charges (excluding Water Works)	" 77,40,450
Other services	" 4,12,56,243
Total expenditure	" 7,92,70,925
LOANS :-	
Debts outstanding	" 17,38,54,303
Redemption or Sinking Fund in hand or invested	" 4,24,22,631
Net Debt per head	" 50-8-1
TAXES :-	
Incidence of Municipal taxes and rates per head	" 26-6-2
Number of properties in the City	" 53,865
Number of vehicles taxed	" 35,072
Demand in respect of Urban Immovable Property tax levied by Govt., collected by Municipality	" 1,48,55,892
BIRTHS AND DEATHS :-	
Total Number of live births registered during the year 1951-52	65,679
Birth rate per thousand living	28-2
Total Number of deaths during the year	33,841
Death rate per thousand population	14-5

SOME FACTS (SUBURBS)

Area of the Suburbs	43,398 acres
Population (as per 1951 Census)	5,10,151
Density of Population	11.75 per acre

INCOME :—

General Tax at different rates varying from 10 per cent to 14 per cent	Rs. 28,85,324
Fire Tax $\frac{1}{2}$ per cent	1,16,581
Water Tax by measurement (including other receipts from Water Works)	14,14,363
Halalkhore Tax at 3 per cent and receipts from special service	6,27,415
Rate charged for water supplied by measurement	From Rs. 12 to Rs. 2 per 100 gallons according to the use of property.

Total Income (including revenue from other sources)	Rs. 88,90,385
Incidence of taxation per head	12-11-11
Total Rateable value	2,91,19,370
Properties registered in the Assessment Book	29,356
Rateable value per head of population	57-1-3

EXPENDITURE :—

Primary Education	15,78,242
Medical Relief and Education	2,26,197
Water Works—	
Maintenance	Rs. 14,60,370
Debt Charges	
Other Suburban Services	Rs. 47,70,261
Total Expenditure	83,61,116

LOANS —

Debt outstanding	57,65,500
Redemption and Sinking Funds in hand or invested	6,21,822
Debt Charges (excluding Water Works)	2,77,478
Net Debt per head	10-1-4

TAXES :—

Incidence of taxation rates per head	12-11-11
No. of properties in Suburbs	29,356
No. of vehicles taxed	3,163 (Exclusive of those taxed under Public conveyance Acts)

Demand in respect of Urban Immoveable Property tax levied by Government, collected by Municipality	Rs. 15,42,309
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BIRTHS AND DEATHS :—

Total number of live births registered during the year (1951)	14,407
Birth rate per thousand living	28.2
Total number of deaths during the year	5,207
Death rate per thousand population	10.2

MUNICIPAL BUDGET (1953-54)

Here are some of the more important facts of the revised municipal budget for 1953-54 as presented to the Corporation by the Chairman of the Standing Committee.

	Lakhs
Income	Rs. 873.16
Expenditure	884.46
Deficit	11.30

The important change made by the Standing Committee in the budget proposals presented by the Municipal Commissioner was to raise the provision for supply of milk to under-nourished children in municipal schools from Rs. 7 lakhs to Rs. 8 lakhs.

In the budget for Primary Education presented by the Chairman of the Education Committee, a few cuts in the expenditure under contingencies were effected while increasing allotments under educational activities.

Capital Account

The total amount provided is Rs. 585.38 lakhs. Out of this Rs. 509.62 are for works in progress, Rs. 20.76 lakhs for new works and Rs. 55.00 for purchase of capital stores. Among the major works for which funds have been provided are (1) Strengthening of Tansa Dam, Rs. 40.00 lakhs, (2) Vantarna-cum-Tansa Scheme, Rs. 275.00 lakhs.

B.E.S.T. BUDGET

The budget estimates of the Bombay Electric Supply and Transport Undertaking, for 1953-54, as finally adopted by the Bombay Municipal Corporation show a surplus of more than Rs. 36 lakhs.

The income of the Undertaking, including the opening balance of one lakh of rupees is placed at Rs. 763.66 lakhs. The expenditure is estimated at Rs. 726.80 lakhs.

The table below shows an outline of the budget :—	Lakhs
Estimated opening balance	Rs. 1.00

ESTIMATED INCOME :—

Electric Supply	298.88
Tramways	153.47
Buses	310.31
Total	763.66

ESTIMATED EXPENDITURE :—

Electric Supply	249.74
Tramways	200.25
Buses	276.81
Total	726.80
Surplus	36.86

The surplus will be disbursed as follows: Transfer to the municipal funds, as required by the Bombay Municipal Corporation Act, Rs. 34.00 lakhs; and transfers to various funds, Rs. 1.86 lakhs. This leaves a closing of Rs. 1.00 lakh.

The foregoing figures show that the electric supply section is estimated to yield a surplus of Rs. 49.14 lakhs and the working of the buses is anticipated to result in a surplus of Rs. 33.50 lakhs. The tramways section is expected to show a loss of Rs. 46.78 lakhs.

Provision has been made in the 1953-54 budget for the purchase of 50 new buses. At the end of 1953-54 the fleet will consist of 565 buses according to the present programme.

MEMBERS OF THE CORPORATION

Dr. P. A. Dias*, L.M.&S. (Ward No. 36), Mayor.

V. N. Desai, B.A. (Ward No. 35), Chairman, Standing Committee.

V. B. Worlikar (Ward No. 31), Chairman, Improvements Committee.

Dr. N. N. Shah, L.C.P.S. (Bom.), J.P. (Ward No. 8), Chairman, Education Committee.

Ganpatishankar N. Desai, J.P. (Ward No. 9), Chairman, B.E.S. & T. Committee.

R. K. Achrekar, J.P., (Ward No. 20); Dr. L. Anande, R.M.P., J.P., (Ward No. 22); G. S. Bagwo, B.A., LL.B., (Ward No. 35); Major S. R. Bamji, A.I.R.O., F.R.S.A., F.C.I., M.B.E., (Retired), J.P., (Ward No. 27); N. Y. Bandukvala, (Ward No. 4); R. D. Bhandare, M.A., LL.B., Advocate, High Court, (Ward No. 31); Naushir C. Bharucha, M.A., LL.B., Advocate, High Court, M.L.A., (Ward No. 31); D. G. Bhosle, (Ward No. 6); P. H. Boricha, B.A., L.S.G.D., (Ward No. 18); K. L. Borkar, (Ward No. 22); K. M. Broker, (Ward No. 2); K. R. Chari, (Ward No. 39); R. H. Chemburkar, (Ward No. 40); S. D. Chipunkar, (Ward No. 29); M. D. Choksy, (Ward No. 9); K. M. Chougule, (Ward No. 34); Dr. P. D. Daftary, L.C.P.S. (Bom.), (Ward No. 41); Jehangir D. Daruvala, M.Soc.O.B. (France), Assoc. M. Inst. C.E., F.I.S.E., M.L.B. (India), M. R. San. I., (Ward No. 2); Dinkar D. Desai, M.A., LL.B., (Ward No. 12); K. G. Desai, (Ward No. 24); Smt. Maniben N. Desai, G.A., J.P., (Ward No. 13); S. S. Desnavi, B.Sc., B.T., (Ward No. 20); D. D. Devrukhkar, J.P., (Ward No. 11); K. S. Dharla, B.A., LL.B.,

(Hons.) (Lond.), Barrister-at-Law, (Ward No. 1); M. A. Dorajiwalla, (Ward No. 7); S. A. Dhurandhar, B.A., LL.B., (Ward No. 37); A. S. Dina, (Ward No. 5); M. V. Dondo, B.A., M.L.C., (Ward No. 24); Dr. J. Leon D'Souza, M.B.B.S., (Ward No. 10); Dr. Menino De Souza, M.D., B.Sc. (Bom.), (Ward No. 19); Dr. Simon C. Fernandes, M.B.B.S., (Ward No. 10); R. K. Ganatra, (Ward No. 28); N. B. Ganji, (Ward No. 17); H. D. Gaonkar, M.Sc. (Bom.), T.D. (Lond.), (Ward No. 25); K. D. Gianni, (Ward No. 20); Y. S. Goad, (Ward No. 26); Gulam Nabi Haji Abdul Rehman, (Ward No. 20); A. M. Hattika, (Ward No. 7); R. K. Hardikar, J.P., (Ward No. 13); M. Harris, (Ward No. 18); Ismail Khwaja Husain, (Ward No. 6); R. A. Jadhav, (Ward No. 39); H. K. Joshi, Advocate and Barrister-at-Law, (Ward No. 3); J. K. Joshi, (Ward No. 3); Ram Joshi, M.A., (Ward No. 34); N. D. Kadam, (Ward No. 29); L. H. Kanere, J.P., (Ward No. 33); G. S. Kanthil, J.P., (Ward No. 32); M. A. Khatal, (Ward No. 18); P. G. Kher, B.A., LL.B., (Ward No. 36); M. S. Khopkar, (Ward No. 26); Khwaja Gulam Jilani S., (Ward No. 18); J. K. Kothari, (Ward No. 2); Dr. V. A. Kothari, L.M. (Dublin), (Ward No. 18); Y. B. Kunder, (Ward No. 2); J. L. Lathi, (Ward No. 4); Feteahmohamed Latif, (Ward No. 34); M. Madhavan, (Ward No. 28); D. G. Mahajani, (Ward No. 21); G. B. Mahashabde, J.P., (Ward No. 14); Dr. M. G. Mahimtura, (Ward No. 2); T. M. Malla, (Ward No. 7); G. K. Manay, (Ward No. 26); Dr. P. V. Mandlik, M.B.B.S., (Ward No. 13); Dr. U. J. Mankar, L.C.P.S., (Ward No. 8); Dr. W. S. Matkar, L.C.P.S., (Ward No. 32); Rajabally Mehdy, J.P., (Ward No. 5); J. S. Meher, (Ward No. 21); P. V. Mehta, L.T.C., (Ward No. 21); A. U. Memon, (Ward No. 5);

* Fresh election is due to take place on April 1, 1954.

J. M. Merchant, (Ward No. 6); H. D. Misra, (Ward No. 39); Smt. Sulochana M. Modi, M.A., J.P., (Ward No. 12); P. H. More, (Ward No. 32); Dr. R. B. More, M.B.B.S., (Ward No. 26); Nanik G. Motwane, (Ward No. 1); Dr. D. S. Munekar, (Ward No. 33); M. N. Munshi, (Ward No. 20); Dr. B. K. Nandl, M.Sc. (Cal.), Ph.D. Tech. (Manch.), A.R.L.C. (Ind.), (Ward No. 38); Smt. Kamalabai P. Padhye, B.A. (Hons.), (Ward No. 33); S. D. Palekar, (Ward No. 17); P. S. Paralkar, B.Sc., LL.B., Advocate, (Ward No. 14); M. P. Parikh, Advocate, High Court, (Ward No. 10); Dr. C. P. Patel, M.D. (Bom.), D.T. & H. (Lond.), (Ward No. 38); Dahyabhai V. Patel, J.P., (Ward No. 16); Dr. Shantilal G. Patel, M.B.B.S., (Ward No. 19); Dr. Bhal S. Patil, M.B., B.S., (Ward No. 38); G. L. Patil, (Ward No. 23); Dr. K. G. Patil, B.H.Sc., (Ward No. 24); S. B. Pawar, (Ward No. 30); Yusuf S. Peerbhoy, (Ward No. 36); G. S. Poddar, J.P., (Ward No. 14); D. C. Pothuja, (Ward No. 39); M. S. Prabhoo, (Ward No. 15); Lakshmidas Pratapsingh, (Ward No. 29); N. C. Pupala, J.P., (Ward No. 8); P. S. Pupala, J.P., (Ward No. 17); Dr. A. R. Rangnekar, M.B.B.S., (Ward No. 14); J. B. Shah, (Ward No. 6); A. V. Shaikh, (Ward No. 16); B. R. Sunkursett, B.A., (Ward No. 12); J. S. Sharma, J.P., (Ward No. 31); V. A. Shenoy, (Ward No. 29); P. D. Shigvan, (Ward No. 23); Smt. Vasanti N. Shroff, B.A., (Ward No. 15); M. F. Sikandar, B.A., LL.B., (Ward No. 4); Dudhnath Singh, (Ward No. 19); H. K. Sowani, (Ward No. 25); B. D. Tamnal, (Ward No. 17); V. K. Tembe, F.C.A., LL.B., (Ward No. 27); S. M. Thakare, (Ward No. 6); P. U. Upadhyaya, (Ward No. 41); N. D. Vakharia, B.Com., LL.B., Advocate, (Ward No. 9); D. D. Vanla, B.A., LL.B., Advocate, (Ward No. 15); V. S. Velinkar, B.A., Barrister-at-Law, (Ward No. 16); P. H. Vora, M.A., LL.B., (Ward No. 37); Dr. S. R. Wadia, M.B.B.S., (Ward No. 1); R. R. Yadav, (Ward No. 30); S. P. Zaveri, (Ward No. 11).

STANDING COMMITTEE

V. N. Desai, (Chairman); R. D. Bhandare; Dr. P. D. Daftary; Smt. Maniben N. Desai, M. V. Dondé; A. M. Hafizka; M. Harris; G. S. Kanthi, P. G. Kher, J. K. Kothari, Dr. M. G. Mahimtura, Dr. W. S. Matkar; Smt. Sulochana M. Modi; M. P. Parikh; V. K. Tembe, V. S. Velinkar; The Chairman, Education Committee (Dr. N. N. Shah) *ex-Officio*.

EDUCATION COMMITTEE

Dr. N. N. Shah, (Chairman); Major S. R. Bami; S. S. Desnavi, M. V. Dondé, H. D. Gaonkar, *Dr. B. G. Gokhale; M. S. Khopkar; Gulam Jilani S. Khwaja, G. K. Manav; *Smt. Ausuya M. B. R. Sunkursett; Smt. Vasanti N. Shroff; Dudhnath Singh; *Smt. Lalavati V. Velinkar; *B. B. Vyas; *Dr. S. R. Wadia.

* Non-Councillor Member.

IMPROVEMENTS COMMITTEE

V. B. Worlikar (Chairman); G. S. Bagwe; Jehangir D. Daruvala; Dr. Simon C. Fernandes; R. K. Ganatra; R. K. Hardikar; Ismail Khwaja Hussein; R. A. Jadhav; M. Madhavan; P. V. Mekta; I. M. Merchant; Yusuf S. Peerbhoy; H. K. Sowani; S. M. Thakare; P. U. Upadhyaya; S. P. Zaveri.

BOMBAY ELECTRIC SUPPLY AND TRANSPORT COMMITTEE

Electric House, Ormiston Road, Fort, Bombay.

Members:—Ganpatishanker N. Desai (Chairman); The Chairman, Standing Committee, *ex-Officio*; Naushir C. Bharucha; Dinkar D. Desai; K. S. Dharia; A. M. Hafizka; Gordhandas G. Morarji; G. I. Patel; Mohamed Haji Hasham Premji.

PRINCIPAL OFFICERS

Municipal Commissioner for Greater Bombay, P. R. Nayak, M.A., I.C.S.
Municipal Secretary, P. R. Mullaferoze, B.Com., F.C.C.S.
General Manager, B.E.S.T. Undertaking, J. P. L. Shenoy, I.C.S.
Deputy Municipal Commissioner (Improvements), L. S. Kagal, B.A. (Hons.), LL.B.
Deputy Municipal Commissioner (General), J. K. Daruwalla, B.A. (Hons.), A.S.A.A.
Deputy Municipal Commissioner (Suburbs), A. H. K. Shalkh, B.A. (Hons.), F.R.C.A.
Assistant Municipal Commissioner (Suburbs), S. M. Y. Sastri, M.A., B.L.
Special Engineer, N. V. Modak, B.E. (Bom.), M.I.C.E., M.I.E. (India), M.T.M. & Co., F.R.E. San. I. (England).
Deputy General Manager, B.E.S.T. Undertaking, P. R. Shrivastani.
Chief Engineer, B.E.S.T. Undertaking, T. S. Rao.
Executive Health Officer, Dr. V. V. Puri, M.B.B.S., D.P.H., D.T.M.
Deputy Executive Health Officer, Dr. G. N. Kowshik, M.B.B.S. (Bom.), B. Hy. (Bom.), D.P.H., D.T.M. & H. (Part I) (Lond.).
Municipal Chief Auditor, R. V. Damania, B.Com., G.D.A., A.S.I.A.A.
Chief Accountant, T. V. Doraiswamy, B.Com.
Chief Officer, Fire Brigade, M. G. Pradhan, B.Sc.
Special Officer (Engineering), K. B. Carnac, B.E. (Civl), A.M.Inst.C.E. (Lond.), A.M.I.E. (Ind.).

Estates Agent and Land Manager, N. D. Baria, B.E. (Civl), A.M.I.E. (Ind.).
Solicitor to Corporation, B. G. Desai, B.A. (Hons.), LL.B.
Assessor and Collector, G. V. Aras, B.A.
Labour Officer, Mrs. F. A. Irani, B.A. (Hons.), LL.B., D.S.S.A.
Ward Officer (South), G. E. Pereira, B.A., LL.B.
Ward Officer (North), S. R. Guru.
Tent Audit Officer, G. V. Damle, G.D.A.
Municipal Analyst, V. Sadashivan, B.Sc. (Ag.), M.Sc., A.I.T.Sc.
Superintendent, Markets and Slaughter Houses, L. M. Hira, G.B.V.C.
Education Officer, Smt. Kapila T. Khandwala, B.A., B.T. (Bom.), M.A. (U.S.A.), J.P.
Superintendent of Municipal Gardens, D. I. Ahmadi, B.Ag. (Bom.).
Dean, K.E.M. Hospital and Seth G.S.M. College, Parel, Dr. R. G. Dhayagade, M.D. (Bom.).
Dean and Superintendent, Yamunabai L. Nair Hospital, Lamington Road, Dr. S. G. Vengsarkar, M.D. (Bom.), F.C.P.S.
Dean, Nair Hospital Dental College, Dr. V. M. Desai.
Construction Engineer, Vaitarna-cum-Tansa Scheme, P. P. Dani, B.E. (Civl), A.M.I.E., A.M.I.San. E. (Lond.).
Sr. Asst. Engineer, 1st Grade, Water Works Department, P. J. Bhiwandwalla, B.E. (Bom.), A.M.I.E. (India).
Asst. Engineer, (Arch.), N. F. J. Billa, B.E. (Civl), A.M.I.E. (India).
Architect, V. N. Ambedkar, A.R.I.B.A.
Asst. Engineer, 1st Grade, D. S. Thakur, B.E. (Civl), A.M.I.E. (India).
Asst. Engineer, (Drainage), M. A. Lokhande, B.E. (Civl), A.M.I.E.
Asst. Engineer (Suburbs), N. K. Gandhi, B.E. (Civl), A.M.I.E.
Superintendent of Licences, Dr. G. R. Pradhan, B.A., Ph.D.
Controller of Stores, F. D'Souza, B.E. (Civl), A.M.I.E.
Election and Town Duty Officer, K. R. Kelkar, B.A.
Municipal Medical Examiner, Dr. Abdul Hamid, M.D.
Personal Assistant to the Municipal Commissioner, V. G. Sabnis, B.E. (Mech.).
Curator, Victoria and Albert Museum, S. C. Upadhyaya, M.A., LL.B., D.L., Ph.D.
Lady Municipal Medical Examiner, Dr. (Mrs.) S. G. Doshi, M.B.B.S., F.R.C.S. (Edin.).

SUBURBAN OFFICE (MERCED AREAS)

Waterfield Road, Bandra

The entire administration of the merged areas has been placed under the control of the Assistant Municipal Commissioner subject to the general supervision of the Deputy Municipal Commissioner (Suburbs) and the Municipal Commissioner.

Asstt. Municipal Commissioner, S. M. Y. Sastri, M.A., B.L.
Asstt. Accountant, S. B. Rhide.
Dy. Assessor and Collector, A. W. Shanbhag, G.D.A.
Asstt. Engineer, N. K. Gandhi, B.E., A.M.I.E.
Asstt. Engineer, West Division Waterworks, T. M. Kandawalla, B.E. (Civl).
Asstt. Engineer, East Division Waterworks, K. A. Mehta, B.E. (Mech. and Elec.).
Asstt. Supdt. of Licences, Shops and Establishments, N. J. Alvares, M.A., LL.B.
Asstt. Supdt. of Markets, T. K. Talwalkar.
Deputy Executive Health Officer, Dr. G. N. Kowshik, M.B.B.S., B.H., D.P.H.

MUNICIPAL SECRETARY'S OFFICE

Municipal Secretary, P. R. Mullaferoze, B.Com., F.C.C.S.
Dy. Secretary, M. V. B. Jayakar, B.Sc., J.P.
Asstt. Secretary (Sr.), Vacant.
Asstt. Secretary (Jr.), R. M. Murdeshwar.

CHIEF AUDITOR'S DEPARTMENT

Municipal Chief Auditor, R. V. Damania, B.Com., G.D.A., A.S.I.A.A.
Deputy Municipal Chief Auditor, Jagannath Parshuram Moolo, G.D.A., G.D.C.A., L.S.G.D.

ENGINEERING DEPARTMENT

Mercantile Bank Building, and Bank of India Building, Mahatma Gandhi Road, Fort, Bombay 1.

This department is concerned with the administration of private building construction, construction of buildings for the Corporation; disposal of city's sewage and refuse; construction and maintenance of drains and sewers; construction, maintenance, lighting and watering of streets; provision of parks and open spaces for recreation purposes.

It is under the control of the Special Engineer who is assisted by a Deputy City Engineer.

A special branch has been created for the augmentation of the city's water-supply—Vaitarna-cum-Tansa Scheme.

The Vaitarna scheme is in charge of Construction Engineer (Dam and Tunnel). The Office of the Vaitarna-cum-Tansa Scheme is at Mercantile Bank Building.

Special Engineer, N. V. Modak, B.E. (Civil), M.I.C.E., M.I.E. (Ind.), F.R.San.I. (Eng.), etc.
Construction Engineer, Vaitarna-cum-Tansa Scheme, P. P. Dani, B.E. (Civil), A.M.I.E., A.M.I. San.E. (Lond.), A.M.Am.Soc.C.E.
Deputy City Engineer, M. K. Batilvala, B.E. (Civil), A.M.I.E.
Assistant Engineer, 1st Grade (Building Branch), D. S. Thakur, B.E., A.M.I.Struct.E.
Assistant Engineer, 1st Grade (Mechanical Branch), N. R. Junnarkar, B.E. (Mech.), (Bom.) Cert.I.I.Sc. (Bangalore), A.M.E.E. (Lond.), A.M.I.E. (Ind.).
Assistant Engineer, 1st Grade (Architectural Branch), N. F. J. Billr, B.E. (Civil), A.M.I.E.
Assistant Engineer, 1st Grade (Drainage), M. A. Lokhande, B.E. (Civil), A.M.I.E.
Assistant Engineer, 1st Grade (Suburbs), N. K. Gandhi, B.E. (Civil), A.M.I.E.
Architect, Greater Bombay, V. N. Ambekar, A.R.I.B.A., A.I.A.A. & Dip. in Planning (Lond.).
Assistant Engineer, 1st Grade (Planning), S. V. Desai, B.E. (Civil), A.M.I.C.E. (Lond.), A.M.I.E. (India).
Assistant Engineer, Construction, D. C. Farnsman, B.E. (Civil), A.M.I.E.
Assistant Engineer, Maintenance, D. C. Palekar, B.E. (Civil).
Divisional Engineers (Building Branch), L. S. Kadoo, B.E. (Civil); B. M. Shah, B.E. (Civil); R. N. Deshpande, B.E. (Civil) A.M.I.E. (Ind.); V. K. Chitale, B.E. (Civil); C. Soares, B.E. (Civil).
Asstt. Accountant, 1st Grade (Vaitarna-cum-Tansa), R. R. Gurjar, B.A., LL.B.
Office Superintendent, Dy. C.E.'s Office, S. B. Rajwade.
Office Superintendent, C.E.'s Office, Y. V. Kulkarni.
Office Superintendent of Vaitarna-cum-Tansa Scheme, R. B. Pandit.

MECHANICAL ENGINEER'S DEPARTMENT

Municipal Workshops, Bombay 8

Mechanical Engineer, Nilkanth Ramchandra Junnarkar.
Assistant Engineers, Vyankatesh Govind Lale, Bhagwant Dattatray Dani, Vasudeo Raghunath Gadre
Workshops Superintendent, Vilhal Ramchandra Parulkar.
Superintendent Chemist, Laxmikant Parshuram Bokar.
Assistant Engineer, Lawrence D'Costa
Inspector, Factories, K. R. Shanbhag.

WATERWORKS DEPARTMENT

Head Office: Improvement Trust Building, Napier Road, Fort;
Enquiry Office: Babula Tank Road

The head of the department is the Hydraulic Engineer. He controls and regulates water-supply to the City and maintains all waterworks both inside and outside the City.

Special Officer (Engineering), K. B. Carnac.

Assistant Engineer, 1st Grade, P. J. Bhiwandiwala.

Standards Officer, M. A. Nentin.

Assistant Engineers, D. R. Bhlac; R. V. Abreau; Charles D'Mello; A. B. Parmanand; K. A. Mehta; T. M. Kandawala; M. S. Panday; N. B. Balsara; M. K. Lawyer; V. J. Mistry; T. K. Santoke.

Office Superintendent, M. B. Nadkarni.

Inspectors, N. F. Madan; G. H. Desai; P. V. Bhilde; D. V. Muzumdar; S. M. Tarapurwala; B. P. Shroff; E. V. Alkonde; S. D. Daroga; F. J. Balsara; M. N. Gundappa; B. R. Irani; M. N. Chinoy; H. G. Arankhe; S. J. Dalal; E. A. Shabazkar; P. H. Daruwalla; B. R. Gole; P. K. Vazifdar; D. B. Carnac; G. Gomes; P. P. Khajotla; C. N. Hattarki; D. D. Mehta; M. G. Navalkar; S. J. Arcelwala; A. B. Jadav; A. K. Shelkh; R. G. Chitale; F. A. Attarwalla; B. G. Khubchandani; T. D. Motwani; K. V. Shrinivasan; V. M. Patki; B. F. Dadachanji; M. A. Mulla; S. Y. Bengali; G. A. Shaikh; K. J. Vazifdar; Adi F. Khan; D. N. Lalwani.

CITY IMPROVEMENT DEPARTMENT

Municipal Offices, Hornby Road, Bombay 1

This department comprises the Improvement Trust for which there is a separate budget and the Estate Agent and Land Manager's Department.

The Land Manager's Department deals with the management and disposal of vacant lands, acquired buildings and housing accommodation; it also formulates improvement and development schemes.

Deputy Municipal Commissioner (Improvements), L. S. Kagal, B.A. (Hons.), LL.B.

Estate Agent and Land Manager, N. D. Darla, B.E., A.M.I.E. (India).

Deputy Estate Agent and Land Manager, V. L. Ghangurde, B.Sc., LL.B., B.E.

Assistant Estate Agent (Acquisition), D. N. Kagal, B.Sc., B.E., A.M.I.E.
Assistant Estate Agent (Special), H. M. Vaidya, B.E. (Civil).

Assistant Estate Agents, N. V. Bhatlokhar, B.E. (Civil); D. N. Kapadia, B.Sc., B.E. (Civil); F. A. Umrigar, B.E. (Civil); R. S. Patil, B.E. (Civil).

PUBLIC HEALTH: CONSERVANCY BRANCH

Annesley Road, off Lamington Road, Bombay 7

Head Supervisor, P. D. Thakur.

Standards Officer, P. N. Somaya.

Assistants to Head Supervisor, S. A. Wagle (City); D. S. Rure, (Suburbs).

Ward Offices (City)

A Ward (South), V. E. Pansare.

A Ward (North), K. R. Bondse.

B Ward, G. S. Dere.

C Ward, D. E. Wasker.

D Ward, P. K. Joshi.

E Ward (East), U. G. Lad.

E Ward (West), B. P. Joshi.

F Ward (South), S. N. Naik.

F Ward (North), S. P. Mahajan.

G Ward (South), N. S. Walavalkar.

G Ward (North), S. K. Sabnis.

G Ward (Central), M. P. Gadkari.

Mahalaxmi Siding, S. J. Pingle.

Supervisor, Charls, Southern Division, A. K. Sha.

Supervisor, Charls, Northern Division, V. G. Pendse.

Supervisor House-to-House Refuse Collection, M. N. Talim.

Suburbs

Supervisor, Bandra, V. S. Nadkarni.

Supervisor, Ghatkopar, M. S. Patalkar.

Supervisor, Kurla, D. V. Thorat.

Supervisor, Andhri, K. V. S. Iyer.

Senior Veterinary Inspector, V. V. Natar.

BOMBAY VACCINATION DEPARTMENT

Near Parel Tram Terminus

Ag. Superintendent, Dr. R. D. Kelkar, M.B.B.S., B.M.B. Head Clerk.—V. D. Godse. Head Vaccinator.—S. S. Thakur.

Vaccination in the City of Bombay is performed with preserved lymph free of charge as under, between 8 and 10-30 a.m. (S.T.).—In the cases of the Infant Welfare Centres, Nagaum, Arthur Road Hospital, Vaccination is done from 3 p.m. to 5-30 p.m. and 4 p.m. to 6 p.m. respectively.

Monday.—(1) Municipal Marathi School, opposite Mogal Masjid, Imamwada Road, Umerkhad. (2) Municipal Marathi School, A Building, Shroff Wadi, Mount Road, opp. Post Office, Mazagon. (3) Municipal Marathi School, No. 53, Colaba Road. (4) Wadia Dispensary, Sfladevi Temple Road. (5) Municipal Gujarati Central School above Bhuleshwar Market. (6) Madhav Rao Rokade School, Mandvi.

Tuesday.—(1) Municipal School, opposite Round Temple, Null Bazar, Kumbharwada. (2) Municipal Marathi Boys' and Girls' School, near Tram Junction, Lalbaug, Parel. (3) Nagpada Neighbourhood House, No. 109, New Nagpada Street, near Old Parsi Statue. (4) Infant Welfare Centre, Delisle Road, B.D.D. Chawl No. 31. (5) 788, Haines Road, Municipal Marathi Boys' School.

Wednesday.—(1) Municipal Gujarati Girls' School, 31, Nagdevi Street. (2) Municipal Marathi School, 48, Clerk Road, near Jacob Circle Post Office, opposite Bomanji Pett's Mill. (3) Municipal Dispensary at B.D.D. Chawl No. 45, First Pakhad, Worli. (4) Marathi School, Sewri New Road, Golanji Hill, Raoji Solpal Chawl. (5) Municipal Marathi Boys' School at the Junction of Kandewadi and Girgaum Road, No. 173, Girgaum. (6) Municipal Marathi Boys' School, No. 119, Dady Sheth Aglary Lane.

Thursday.—(1) Gratuitous Dispensary, Raveline Street, Hornby Road, Fort. (2) The District Registrar's Office, No. 8 District, Batliwala's Dharamshalla, corner of Baram Street and Foras Road. (3) Municipal Marathi School, Vadala, Nalgaum Road. (4) Municipal Gujarati School, Dharavi, Kumbharwada. (5) Municipal Marathi School, Tardeo Bridge, near Tardeo Tram Terminus. (6) Souter Street, District Registrar's Office, No. 7. (7) J. J. Hospital out-patients Department.

Friday.—(1) M. N. Petit's Charitable Dispensary, opposite Wilson High School, Khetwadi Main Road. (2) General Educational Institute Boys' School, Akshikar Street, South of Tilak Bridge, Dadar. (3) Municipal Marathi School, Ghorapdeo Road, Mazagon. (4) Napu Hall, Telang Road, Matunga, G.I.P. Rly. (5) Infant Welfare Centre, Nalgaum. From 3 p.m. to 5-30 p.m. (S.T.). (6) Chinch Bunder Marathi Boys' School. (7) 17, Benganga Road.

Saturday.—(1) Shankershet's Temple, Nana's Chowk, Tardeo Road, near Grant Road Station. (2) Jafferbhoy Rahimtulla Urdu School, Sandhurst Road, Umerkhad. (3) Municipal Dispensary, New Parbhadevi Road and Cadell Road Junction. (4) Infant Welfare Centre, Wadi Bunder, Port Trust Chawl, Belvedere Road. (5) Municipal Dispensary, Parel Tank Road, Ambewadi. (6) Worli Koliwada Municipal Marathi School, Worli.

Sunday.—(1) Seth Warjivandas Madhavdas Charitable Dispensary, near Railway Station, Slon. (2) Balmohan Vidyalaya, Shivaji Park (Temporary).

Daily—Central Vaccination Depot, Junction of Elphinstone Road and Suparibag Road, Poibavdi, Parcel from 7-30 a.m. to 5-30 p.m. (S.T.), on Sundays and Holidays from 7-30 to 10-30 a.m. Sanitary Institute, Princess Street, Dhobi Talao, from 8 to 10-30 a.m. and 2-30 to 5-30 p.m., on Sundays and Holidays from 8 to 10-30 a.m. only. Arthur Road Hospital 4 to 6 p.m. on Sundays and Bank holidays.

For further particulars with respect to Vaccination at private residences, apply to the Superintendent of Vaccination, Suparibag Road, Poibavdi, Parcel. Telephone No. 60302.

Lymph can be obtained on cash payment at the Central Vaccination Office, Suparibag Road, Parcel or at the Municipal Offices, opposite Victoria Terminus from Monday to Friday between 11 a.m. and 5 p.m. (S.T.), and on Saturdays from 11 a.m. to 2 p.m. (S.T.), except on Sundays and Holidays.

If the Public wish to vaccinate at their own houses the operator's charges, as fixed by the Municipal Corporation, are as follows:—

- If the operation is performed by the Superintendent of Vaccination, the fee will be Rs. 10 for the first person and Rs. 1 for each additional person operated on.
- If the Head Vaccinator operates the fee will be Rs. 5 for the first individual and annas 8 for every succeeding individual operated on.
- If a Public Vaccinator operates, the fee will be Rs. 3 for the first person and annas 4 for each additional person operated on.

Note.—Charges for lymph are additional at 4 annas per dose for each person vaccinated.

THE LICENCE DEPARTMENT

Improvement Trust Building, 7, Napier Road, Fort, Bombay 1

This department deals with licensing, control of advertisements, control of hawkers and the removal of encroachments. For licences the city is divided into 26 sections each under an Inspector. For advertisements the city is divided into 8 sections also under Inspectors. The whole branch is under a Superintendent of Licences with two Assistants.

There are five Ward Offices for licences and advertisements, viz. A Ward: 7, Napier Road; Wards B and C: Guzar Street, Null Bazar; D Ward: Gowalla Tank, Bombay 7; E Ward: Sankli Street, Wards F and G: Elphinstone Road.

There are two Ward Offices for the control of hawkers and removal of encroachments, viz. Senior Supervisor and Lorry Supervisors Nos. 1 and 2: Guzar Street, Null Bazar; Office of the Lorry Supervisors Nos. 3 to 6: Sankli Street, Bombay.

Superintendent of Licences, Dr. G. R. Pradhan, B.A., Ph.D.

Asst. Superintendent of Licences, N. S. Khurkar, B.A.

Asst. Superintendent (Encroachment), N. M. Havens, B.A.

THE ASSESSMENT AND COLLECTION DEPARTMENT

Municipal Offices, Hornby Road, Bombay 1

There is a central office and seven ward offices (A to G) for the City and a Central office at St. Martin's Road, Bandra and 4 ward offices (H, K, L, M and N). The Department is concerned with the determination of rateable values and the preparation of bills in respect of property taxes, wheel tax, water tax, etc.

The addresses of the Ward Offices are as follows:—A Ward: Improvement Trust Bldg., Napier Road, Fort; B Ward: Babula Tank Road; C Ward: 298-300, Princess Street; D Ward: Gowalla Tank Road; E Ward: Sankli Street; F and G Wards: Near Municipal Market, Elphinstone Road; H Ward: Waterfield Road, Bandra; K Ward: Nehru Road, Vile-Parle; L and M Wards: Pipe Road, Kurla; N Ward: Jawahar Road, Ghatkopar.

Assessors and Collectors, G. V. Aras, B.A.; G. A. Vyavaharkar, B.A., (Ag.).

Dy. Assessor and Collector (City), I. N. Mehta, B.A.

Dy. Assessor and Collector (Suburbs), A. W. Shanbhag, G.D.A. (Ag.).

Asst. Assessors and Collectors, R. Natesan, M.A., LL.B.; R. K. Athalye, B.A.; G. V. Gavankar, B.A.; G. G. Jadhav; I. H. Acharya, B.A.; Sayed Husein Sultan (Ag.); R. B. Walavalkar (Ag.).

Standards Officer, N. S. Shirodkar, B.A. (Hons.).

SHOPS AND ESTABLISHMENTS DEPARTMENT

Improvement Trust Building, 7, Napier Road, Fort, Bombay 1

The department sees to the administration of the Bombay Shops and Establishments Act of 1948. It is under a Chief Inspector. The department is also responsible for the levy and collection of theatre tax. There are eight Ward Offices, viz. Ward A: 1st Floor, Fort Market, Mint Road; B and C Wards: 1st Floor, Crawford Market; D and E Wards: Fire Brigade Compound, Gowalla Tank; Ward F: Dadasaheb Phalke Road; Ward G: Dhuru Hall, Chabildas Road, Dadar.

Chief Inspector, Shamrao Ghansham Redkar, B.Sc., LL.B.

Senior Inspectors, Abdul Qadir Abdul Rahim Munshi, B.A. (Hons.); Shivsharan Gordhandas Patel, B.A., LL.B.; Vasant Bhagwantrao Parvkar, B.A.; Gulam Mohd. Kara Rayat, B.A.; Kamalakar Atmaram Karnik, M.A., LL.B.; Sanjay Anant Pal, B.A.; Abdul Razak Mohd. Siddique Patel, B.A., LL.B.; Nissim Abraham Reubens, B.A., LL.B.; Augustine Carvalho, B.A. (Hons.); Marcus DeSouza-Louzado, B.Sc.; Krishnarao Ramrao Valdyia, M.A.

Junior Inspectors, Kamruddin Mohamedbhoj Merchant, M.A., LL.B.; Narhar Ramchandra Patankar, M.A., B.Sc.; Madhusudan Dattatraya Ranadive, B.A.; Dattaram Bhau Mayekar, B.A.; Raghunandan Ramrao Bhoor, B.A., LL.B.; Damodar Ganesh Patwardhan, B.A.; Nazarali Mushtaqueali Syed, M.A., L.S.G.D.; Narsinha Gajanan Rege, M.A.; Balkrishna Maganlal Trivedi, B.A. (Hons.); Kamruddin Ahmed Mulla, B.A.; Shrikrishna Dattatraya Bendre, LL.B.; Yashwant Ramrao Mhatre, B.A. (Hons.), L.S.G.D.; Jafarali Hasan-ali Merchant, B.A.; Eknath Venkoji Rangnekar, B.A.; Dattatraya Laxman Kalzunkar, B.A.; Dinkar Vaman Samant, M.A.; Vasant Raghunath Sarang, B.A. (Hons.); Nirvutti Dhulaji Bhandare, B.A.; Ramchandra Raghunath Desai, B.A., L.S.G.D.; Waman Vishwanath Joglekar, M.A.; Mohd. Yusuf Shaikh, M.A.; Eljah Judah Aaron, B.A. (Hons.); Gajanan Parashuram Jayade, B.A. (Hons.).

MARKETS AND SLAUGHTER HOUSES DEPARTMENT

Crawford Market, Hornby Road, Bombay 1

There are 38 Markets in the City out of which 21 are owned by the Municipality. The Municipality also maintains the Bandra Slaughter Houses and the Pork Slaughter House at Arthur Road. One Slaughter House is licensed for slaughter by jalka process for Sikhs, Jats, etc. at Arthur Road. A new cold storage plant attached to the Crawford Market started working in October 1950.

Superintendent of Markets and Slaughter Houses, L. M. Hira.

Chief Inspector, V. G. Sukhtankar.

Temporary Cashier, K. V. Belhe.

Meat Inspector, S. A. Malondkar.

Head Inspectors, Y. S. Wakankar; V. S. Desai.

Temporary Head Inspector (Special), Sk. Usaid Sk. Abdulla.

Senior Assistant to the Superintendent of Markets and Slaughter Houses, Gulam Mohamed Ahmed.

Veterinary Inspectors, G. B. Sahaney; Victor Periyian.

Veterinary Assistants, Milton Fernandes; R. G. Dharwadkar.

Ag. Veterinary Assistants, R. D. Dabolkar; D. M. Ballur.

THE STORES DEPARTMENT

Central Stores: 566, DeLisle Road, Byculla; **Sub-Depot:** Bellasis Road, Byculla.

The Department purchases articles, stores, etc. required by the Corporation.

Controller of Stores, Franklin D'Souza, B.E. (Civil), A.M.I.E.

Dy. Controller of Stores, B. S. Nabar.

Assistant Controller of Stores, D. S. Nagarkatti.

Assistant Controller of Stores (Tech.), E. V. Nunes, B.A., LL.B.

MUNICIPAL FIRE BRIGADE

Headquarters: Byculla Bridge, Telephone Nos. 290, 4 lines: 72775, Direct Line.

Chief Officer, Fire Brigade: M. G. Pradhan, B.Sc., M.I. Fire E.

Dy. Chief Officer, Fire Brigade (City): S. G. Vengsarkar, B.A., M.I. Fire E.

Deputy Chief Officer (Suburb): Mubaraksing Kesarsing.

Second Officer, Fire Brigade: Capt. Syed Mehmud Shah.

Fire Brigade Stations.

Headquarters, Byculla Bridge:—**Officers:** V. G. Pawar; R. B. Karma;

V. B. Nikam, B.Sc.; G. S. Salvi.

Alexandra Docks, Frere Road:—**Officers:** G. Resquinha; A. K.

Y. Siddiki, B.A. (Hons.).

Gowalla Tank, Gowalla Tank Road, Gamdevi:—**Officer:** P. T. Samant.

Sewree, Cotton Depot, Sewree:—**Officer:** B. L. Patankar.

Fort, Gunbow Street, Fort:—**Officers:** S. Fredilis; S. M. Udliwar.

Colaba, Thomas Street, Colaba:—**Officer:** E. M. Jacob.

Shivaji Park, 2nd Shivaji Park Road:—**Officer:** S. V. Shiloltri.

Dadar, Vincent Road:—**Officer:** B. G. Sawant.

Memonwada, Sandhurst Road East:—**Officers:** S. B. Jog; I. S.

D. Mehervanji; G. N. Shetgeri, B.Sc.

Mandvi, Sandhurst Road East:—**Officer:** A. S. Kulkarni.

Worli, Annie Besant Road:—**Officer:** D. P. Valdyia.

MUNICIPAL FIRE BRIGADE AMBULANCE SERVICE

Fire Brigade Headquarters, Byculla, Bombay No. 8.

Ambulance Services for Maternity Cases (Free).

Ambulance Services for Street Accidents (Free).

Ambulance Services for all other medical cases (Rs. 6 for the first hour or fraction thereof and Rs. 6 for each succeeding $\frac{1}{2}$ hour or fraction thereof).

Hours of work:—24 hours.

Telephone No. 296 for street accidents.

Telephone No. 41744 for other purposes.

MUNICIPAL HOSPITALS

Dean, Govardhandas Sunderdas Medical College and King Edward VII Memorial Hospital, Dr. R. G. Dhayagude, M.D. (Bom.).
Asst. Dean, K.E.M. Hospital, Dr. V. V. Jadhav, M.B.B.S.
Acting Medical Supdt., Arthur Road Hospital, Dr. R. G. Modak, M.D. (Bom.).
Medical Supdt., Group of T. B. Hospitals, Sewri, Dr. M. S. Kavarana, M.B.B.S., L.C.P.S., D.M.R.E. (Cam.), T.D.D. (Wales).
Dean and Supdt., Bai Yamunabai L. Nair Charitable Hospital and Topiwala National Medical College, Dr. S. G. Vengsarkar, M.D. (Bom.), F.C.P.S. (Bom.).
Dean, Nair Hospital Dental College, V. M. Desai, F.D., F.R.C.S., D.D.S., F.I.O.L.
Supdt., Municipal General Hospitals, Sion, Dr. S. V. Joglekar, M.S., F.C.P.S. (Bom.).
Asst. Medical Officer, Dr. M. Menezes, M.B.B.S.
Physician, Dr. D. D. Vora, M.D. (Bom.), F.C.P.S. (Bom.), M.R.C.P. (Lond.).
Surgeon, Dr. S. H. Chitnls, M.S. (Bom.).
Obstetrician, Gynaecologist, Dr. B. V. Aroskar, M.D. (Bom.).

PRIMARY EDUCATION DEPARTMENT

Municipal Offices, Fort, Bombay 1

The Education officer is the executive Officer of the Department subject to the general supervision and control of the Commissioner and the Education Committee. Under the Education Officer there are Superintendents entrusted with the inspection of schools. There is also a Special Attendance Officer whose duty is to enforce the attendance of children of school-going age. For this purpose he organizes a census of children of school-going age and prepares registers of children who though of school-going age do not attend schools.

Education Officer, Kapila T. Khandawala, B.A., B.T. (Bom.), M.A. (U.S.A.), J.P.

THE GARDENS DEPARTMENT

Victoria Gardens, Bombay 27

The Corporation maintains a number of gardens, bandstands, public parks and rockeries in the traffic islands of the city: In all there are 92 sites in the care of the Gardens Department. The principal Gardens are the Victoria Gardens, the Sir Pherozeshah Mehta Gardens and Kamla Nehru Park on Malabar Hill, the Children's Park along Ridge Road, the Joseph Baptista Gardens on the Bhandarwada Reservoir on the Mazgaon Hill. In all there are 11 gardens, 9 small gardens and open spaces, 45 recreation grounds, 12 play-fields, 4 fountains, 4 Strips of Box Hedges and 7 traffic islands. Among the playgrounds the most important are the Mustan Shah Tank, the Reynolds Road, the Willingdon Memorial Playgrounds and the playground at 2nd Peer Khan Street. They are provided with gymnasium apparatus. An Akhada or Wrestling Pit has also been provided at the Willingdon Playground at Souter Street.

Superintendent Municipal Gardens, D. I. Ahmadi.

Asst. Superintendent (Zoo.), Municipal Gardens, J. N. Barowa.

Asst. Superintendent (Bot.), Municipal Gardens, G. S. Hegde.

ELECTION BRANCH (ELECTION AND TOWN DUTY DEPT.)

Improvement Trust Building, Napier Road, Bombay 1

The Election and Town Duty Department attends to the preparation of the supplementary Municipal Election Rolls and By-elections, while a temporary Election Department is created for the preparation of the Voters' lists, Electoral Rolls and for the conduct of General Elections, under the Election and Town Duty Officer, for a period of about 11 months, every four years.

Election and Town Duty Officer, K. R. Kelkar, B.A.

B.E.S.T. UNDERTAKING

General Manager, J. P. L. Shenoy, I.C.S.

Deputy General Manager, P. R. Shrivdasani, A.C.G.I., B.Sc. (Eng.), London, M.I.C.E., M.I.E. (India).

Commercial Manager, K. D. Bharucha, A.C.A., A.I.C.W.A.

Controller of Stores, R. M. Shah, M.Sc., LL.B.

Chief Engineer (Supply), T. S. Rao, B.E. (Mech), M.I.E. (India), M.I.E.E. (Lond.).

Transport Manager, Lt.-Col. S. C. Ghosal, M.A., A.I.T. (Eng.), A.I.T.A.

Internal Auditor, M. C. Chudawalla, A.C.A.

Distribution Engineer, A. F. Lockley, M.I.E. (India).

Services Engineer, M. B. Lukmani.

Chief Accounts Officer, K. C. Tijoriwalla.

Traffic Manager (Trams), J. M. Gandevia.

Traffic Manager (Buses), C. D. Jefferels.

Transportation Engineer, N. Balkrishna, B.Sc. (Engg.), M.I.R.T.E. (Eng.).

Executive Engineer (Way & Works), R. S. Reuben, A.M.I. Struct. E. (Lond.), Struct. E. (Lond.), A.R.I.B.A. (Lond.) (Ag.).

Personnel Officer, F. P. Fernandes, B.A. (Hons.).

BOMBAY CHRISTIAN BURIAL BOARD

Electric House, Fort; Sewri Cemetery, Bombay 15

P. R. Nayak, I.C.S. (Municipal Commissioner), Chairman.

A. F. Lockley, M.I.E., A.I.E.E., Honorary Secretary, Electric House, Fort, Bombay.

H. Lawghlin, Clerk-in-Charge, Sewri Cemetery.

A. E. Inglis, 2nd Clerk, Sewri Cemetery.

MEMBERS.

The Venerable the Archdeacon of Bombay.

The Chaplain of the Cathedral.

The Chaplain of Colaba.

The Minister, the Church of Scotland.

The Chaplain of Byculla.

The Chaplain of Holy Name Church, Wodehouse Road.

The Chaplain of St. Anne's Church, Mazgaon.

The members of this Board are appointed by the Local Government, for the management of Sewri Cemetery, for which purpose they have certain powers conferred on them including the licensing of Undertakers and Sculptors.

HONORARY PRESIDENCY MAGISTRATES AND JUSTICES OF THE PEACE FOR BOMBAY

JUSTICES OF THE PEACE (WITHIN AND FOR THE LOCAL AREA COMPRISED IN GREATER BOMBAY)

Adavi, V. N., B.A.
 Bakhle, D. S., I.C.S.
 Bambawale, B. A., I.C.S.
 Basu, S. C.
 Bedekar, G. V., I.C.S.
 Bhansali, M. D., I.C.S.
 Bharucha, K. B., Ph.D., Bar-at-Law.
 Bhate, K. G., B.E., A.M.Soc. C.E., A.M.I.E. (Ind.).
 Bulsara, N. C.
 Chakravarty, Capt., A.
 Champhekar, M. L., I.S.E.
 Charl, V. V.
 Chaudhari, S. L., LL.B.
 Chudasama, M. M., I.P.
 Collins, Capt. (E) A. B.
 Crone, J., I.P.S.
 Damry, P. N., M.A. (Oxon.)
 Dayal, Sambhu, B.A. (Hons.).
 David, Capt. R. S.
 Deheja, V. T., I.C.S.
 Desai, S. G., B.A.
 Dhurandhar, J. R., LL.B.
 Dias, A. L., I.C.S.
 Dravid, N. K., I.C.S.
 D'Souza, C. F.
 D'Souza, J. B., I.A.S.
 Everett, C. W.
 Francis, E. J., M.A. (Oxon.).
 Gholap, L. T., I.C.S.
 Ghorpade, R. B.
 Gildwani, V. L., I.C.S.
 Gupta, B. N.
 Gupta, K. B.
 Hanif, M., M.L.V. (Ind.), A.M.I.F.E., M.R.San I.
 Heble, M. N., I.A.S.
 Heredia, F. J., I.A.S.
 Hira, H. P., B.A.
 Iyer, M. G., B.A.
 Jadhav, M. K., I.A.S.
 Jehangir, Dara.
 Joshi, D. S., I.C.S.
 Joshi, V. M., I.C.S.
 Kadam Bande, N. R.
 Kamte, N. M., I.P.
 Kataraki, R. T., LL.B.
 Kochar, B. K.
 Lad, P. M., I.C.S.
 Mahida, U. N., B.E., M.I.E. (Ind.), I.S.E.
 Mahta, D. N., B.A., F.R.S.A.
 Malek, R. M., B.A.
 Matapurkar, G. R., B.A.
 Mathalone, R., B.A., LL.B. (Cantab.), Bar-at-Law.
 Meher, M. R., I.C.S.
 Mehta, H. S., M.B., B.S., F.C.P.S.
 Mirchandani, B. D., I.C.S.
 Mirchandani, M. G.
 Mirchandani, T. J., M.Sc. (Eng.), M.I.E.E.
 Mohanlal, Major C.
 Musran, K. P.
 Nadkarni, P. S., B.A. (Hons.).
 Nadkarni, S. G.
 Nayak, P. R., I.C.S.
 Orr, J. W.
 Palekar, S. B., B.A. (Hons.), LL.B.
 Pandya, C. S., I.P.S.
 Pardasani, N. S., M.A., B.E.S.(I).
 Parpla, Y. R., I.C.S.
 Patel, B. K., I.C.S.
 Patel, R. V.
 Patel, S. G.
 Patil, M. S., LL.B.
 Pattanaik, H. M., B.A.
 Pinge, D. R.
 Pradhan, D. R., I.C.S.
 Pradhan, S. G., I.C.S.
 Punjabi, K. L., I.C.S.
 Raddi, G. R., M.A. (Lond.).
 Rahimtoola, S. J., B.A., LL.B., Bar-at-Law.
 Raman, A. K., M.A., I.A. & A.S.
 Robb, W. M.
 Sadhwani, H. T., I.A.S.
 Samarth, R. N., B.A. (Hons.) (Bom. and Lond.).

Sarela, A. S., LL.B.
 Sarna, R. S.
 Sattanathan, A. N., M.A.
 Sen, K. C., I.C.S.
 Sethna, M. D., B.A., B.Sc.
 Setna, S. B., M.Sc., Ph.D. (Cantab.), F.N.I.
 Sheode, S. K., B.A., LL.B.
 Simoes, H.
 Swaminathan, T., I.C.S.
 Tanksulwala, M. R.
 Thakore, H. K., B.A., LL.B.
 Trilok, Chandra.
 Trivedi, R. S., I.C.S.
 Vesuvala, N. A., B.A., LL.B., Attorney-at-Law.
 Wagh, M. G., I.P.
 Welinkar, R. N., B.A. (Hons.) (Oxon.).
 Yardi, M. R., I.C.S.

HONORARY PRESIDENCY MAGISTRATES AND JUSTICES OF THE PEACE

Abba Abdul Gani.
 Abdullah, Ahmed Haji.
 Abraham, Walter.
 Acharekar, Rajaram Kashinath.
 Adenwalla, F. H.
 Advani, Durgadas B.
 Ahirekar, Anant Vithal.
 Ahuja, Dr. Kumari Kamala J.
 Alva, Smt. Violet.
 Ambalal Kilachand.
 Amin, Bhafal G.
 Amin, Keshavchandra Shankarbhal.
 Amore, Dennis Lawrence.
 Amrolia, Jal Dhunjishaw.
 Anand, Dr. D. L.
 Annegiri, Smt. Seetabai.
 Arsiwalla, Abdullhusein Issaji.
 Ashar, Bhagwandas K.
 Ashar, Haridas N.
 Azami, Mohammed Fasil-ullah.
 Baddeley, Thomas Vaughan.
 Bajan, Ervad Jal A.
 Bakhle, Shrimati Meenaxi.
 Balasubrahmanyam, K.
 Bamji, Major Sohrab R.
 Bandukwalla, Esakbhai A.
 Banerji, Shilp Chandra.
 Barker, Smt. Lilavati.
 Barodawalla, Abdulhasanein Salebhoy.
 Baxi, Pratapral Krapashankar.
 Beg, Hakim Mirza Haldar.
 Bhagwati, Shyamal Harilal.
 Bhansali, K. M.
 Bharucha, Adam Musa.
 Bharucha, Kumari Pileo Darasha.
 Bharucha, Maneekshaw Dossabhoy.
 Bharucha, Meherji Rustomji.
 Bhat, Jivanlal Ramji.
 Bhatt, Prabhashankar Ramchandra.
 Bhatt, Smt. Shantagauri M.
 Bhau, Bhaskarbhai Jamnadas.
 Bhimjee, Roshen Ali.
 Bhonsle, Ganpatrao Motiram.
 Bhoosrath, Vithal Rajaram.
 Bhujbal, Balkrishna Babulshet.
 Bhujpuria, Khimji Madon.
 Bhuta, Gopalji Mulji.
 Bhuta, Vithaldas Purshottamdas.
 Billimoria, Maj. Nusservanji Pirojshah.
 Bilpodiwalla, Dr. M. C.
 Birje, Madhav Narayan.
 Bode, Dastur Framroze Ardeshr.
 Bodhe, Janardan Ganpatrao.
 Bodhe, Smt. Usha Janardan.
 Boyce, Smt. Piroja Sorabji.
 Bramble, Courtenay Parker.
 Brown, James Alexander.
 Buch, Chandrashankar Amratlal.
 Bulchandani, Kishinchand M.
 Bury, Leonard Rupert.
 Chandavarkar, Smt. Vatsalabal.
 Chabria, Karamchand Jamnadas.
 Chada, Salig Ram.
 Chainani, Dr. S. K.
 Charandas, Meoji Mathuradas.
 Chattrabhuji, Luladhar.
 Chatriwalla, Abdullhusein G. C.
 Chaturbhuj, Gordhandas V.

Chaudhari, A. L.
 Chellaram, Lokumal Kishinchand.
 Chidambaram, T. V.
 Chinai, Panalal Maneklal.
 Choksey, Vrajlal S.
 Chopra, S. R.
 Clarke, Amos Cyril.
 Contractor, Dawoodbhai Esufalli.
 Contractor, Framroze Sorabji.
 Contractor, Smt. N. D.
 Cooper, Peshotan Framji.
 Cooper, Ratan B. S. N.
 Currimbhoy, Gulamali F.
 Currimbhoy, Smt. Zarina Ebrahim.
 Currimjee, Jeewanjee.
 Currier, Fredrick Joseph.
 Dabholkar, Laxmikant Shantaram.
 Da Costa, Dr. Antonio Rosarino.
 Dahanukar, Smt. Nalini.
 Dalal, Jayant Shilval.
 Dalal, Sunderlal B.
 Dangle, Dattatrey Ganesh.
 Dandekar, Dr. L. R.
 Darukhanawalla, Fazalchusein E.
 Davavala, Vithaldas G.
 Dave, Chhmanlal Manecklal.
 Dave, Hirshad Aditram.
 Daya, Nanji Virji.
 Dayal, Smt. Babiben M.
 Dayal, Khatau G.
 Dehejia, Smt. Tarunica V.
 Desai, Chandrakant Mohanlal.
 Desai, Ganpatishankar Naranji.
 Desai, Gunvantral Dhirajlal.
 Desai, Krishnadas Chhotatalal.
 Desai, Smt. Maniben N.
 Desai, Smt. Nirmala N.
 Desai, Ramchandra Mahadeo.
 Desai, Shantamu Nanubhai.
 Deshpande, Madhav Krishna.
 Devrukhkar, Dattaram Dhondopant.
 Dewjee, Gulamhusain H. A.
 Dhalla, Burjor Dadabhoi.
 Dharamdas H. Jivandas.
 Dharamdas Hargovandas, Smt. S.
 Dharamsey, Ashruff.
 Dharamsey, Mohamed Jaffer.
 Dhirajlal Sitaldas.
 Dhoble, Dattaray Amrit.
 Dholandas, Valiram.
 Dias, Milagres Francis.
 Divetia, Smt. J.
 Dongerkerry, Smt. Kamalabai S.
 Doodhamal, Rusi Cooverji.
 Dossa, Jamnadas Ramdas.
 Dubash, Noshir Johangir.
 Dubash, Phiroz Darabshaw.
 Dubash, Rustonji Darabshaw.
 Dwarkadas Chapsey.
 Eastley, Charles M.
 Ebrahim, Ramzanally P.
 Engineer, Hormusji Jehangirji.
 Engineer, Kumari Bilcaji A.
 Fairbrass, Edward William.
 Fazalbhoy, Husein Allmahomed.
 Fazalbhoy, Mahomed-Akbar.
 Fazalbhoy, Muhammad Hassan Abdulla.
 Fazalbhoy, Yusufali Abdulla.
 Fazulbhoy, Mohamedali G.
 Ferreira, D.
 Fitwalla, Abdul Khalik Ibrahim.
 Futnani, Doongermal B.
 Gandhi, Himatlal Varjivan.
 Gandhi, Smt. Kamal R.
 Gandhi, M. P.
 Gandhi, Ratilal Mulji.
 Gandhi, Sadilal Chatrabhuji.
 Gandhi, Adil Peshotan.
 Gangasingh, Sardar.
 Gardiner, Clarence Richard.
 Gareh, Marco Fortune.
 Gebbett, Harold Frank.
 Gharpure, Anant Vishwanath.
 Ghaswala, Harkisondas Laxmidas.
 Gheewala, Oshavilal H.
 Ghia, Shrimati Chanchalbehen Maganlal.
 Ghose, Niren Nath.
 Gobindsingh Hassasingh.
 Gokhale, R. G.
 Gokuldas Ranchoddas.

Gole, Yeshwant A.
 Golwala, Eruch R.
 Gomes, Dr. Arsenio.
 Gore, Smt. Susheela.
 Gubbi, Nagoo Srinivas.
 Gupta, Ramprashad K.
 Gupta, Tarachand K.
 Gwilt, E. Leslie C.
 Haji, Gulam Mohamed Ismail.
 Hansotia, Pestonji Cuwasji.
 Hansraj Rattansey.
 Harcastle, Charles Henry.
 Hardkar, Ramkrishna K.
 Haridas Gopaldas.
 Harkisondas Laxmidas.
 Harris, Roy Edward J.
 Harrison, Norman Mansfield.
 Hate, Smt. Chandrakala.
 Herring, Edgar John Cruickshank.
 Hinduja, Parmanand D.
 Hiranandani, Divanlal Hardasamal.
 Hirlekar, Smt. Yamunabai.
 Hussain, Syed Altaf Syed Lutuf.
 Hutheesing, Smt. Krishna.
 Idris, Mohamed Amin M.
 Injamuri, Bhoomayya V.
 Irani, Kekhashru R.
 Ismail, Smt. Fathema.
 Ismail, Haji Hasham Haji Moosa.
 Ismail, M. H.
 Issa, Dadabhai Haji.
 Issaque, Mohamed.
 Issaque, Smt. Zubaida M.
 Jagirdar, Natwarlal B.
 Jagtap, Mansingrao.
 Jaisinh Vithaldas.
 Jaludhwala, Ramanlal Chhotatalal.
 Jalundhwala, Shrimati B. C.
 Jambotkar, Gajanan Hari.
 Jariwala, Lalubhai C.
 Jasdewala, Abdullahbhai Adamji.
 Javeri, Navnitlal C.
 Javkar, Dattaram B.
 Jaykar, Madhukar V. B.
 Jeebhoy, Sir Jansetjee.
 Jhaveri, Nanubhai K.
 Jilkar, Mallu Rajaram.
 Joshi, Smt. Indrabai.
 Joshi, Dr. Mahadev Dhattatraya.
 Joshi, Prabhushankar V.
 Jumanli, Ali Mohamed Haliz K.
 Jumanli, Jairamdas N.
 Kabbur, Krishnarao Hanmantrao.
 Kaderbakhsh, S. Mohameddin Haji.
 Kagalwala, Prabhudas K.
 Kallias, Nalin Narorala.
 Kaji, Ashok Hirshad.
 Kajji, Mahomedbhai Abdulkayum.
 Kajrolkar, Ramchandra Sadoba.
 Kaka, Maneck N.
 Kalewar, Madhukar.
 Kalidas, Smt. Sulochana Amritlal.
 Kamdar, Bhagwandas Morarji.
 Kanhere, Laxman H.
 Kanji, Gulam Hussain Jafferbhai.
 Kanthawala, Emran Tybally.
 Kanthi, Govind Shankar.
 Kapadia, Babubhai Motiram.
 Kapadia, Framroze Pestonji.
 Kapadia, Gopaldas P.
 Kapadia, Pestonji P.
 Kapadia, Sunderdas Purshotam.
 Karanjia, Nanabhai Dadabhai.
 Kavarana, Minocher Rustonji.
 Khadilkar, Yeshwant K.
 Khair, Ramchandra Anaji.
 Khaitan, Radhakrishna Sagarmal.
 Khakhar, Babubhai Vithaldas Madhavji.
 Khakhar, Dr. Hasumukh Maganlal.
 Khalifa, Ziauddin.
 Khambaty, Hatim A.
 Khan, Hamidali Mahbubali.
 Khan, Mohamed Azim.
 Khandalwala, Shrimati Dina D.
 Khandelwal, Jankidas B.
 Khandelwal, Ramprasad R.
 Khandke, Dattatraya N.
 Khandwala, Smt. Kapilaben.
 Khandwala, Navin T.

Khandwala, Smt Usha K.
Khandwala, Kanta Dhirajlal.
Khanna, Ramchand Keshavilal.
Kharegat, Rustam Merwan.
Khata, Dharamdas Bhogilal.
Khatau, Tricunddas J.
Khatkhatay, Shaikh Mohamed.
Khiani, Chandanmal M.
Khimji, Bhawanji Arjan.
Khimji, Karsondas Tulidas.
Khimji, Tokarshi Jivraj.
Khira, Himmatlal Narahidas.
Khona, Manekji Velji.
Khona, Tricamji Damji.
Khorakiwala, Fakhruddin T.
Khorana, Nanak Chandra.
Kirpalani, Smt Guli H.
Kooka, Minocher Darashaw.
Korgaokar, Vasudeo Balkrishna.
Kotasthane, Krishnarao Moreshtar.
Kothari, Ratilal C.
Kothawala, Lt.-Col. J. D.
Kshirsagar, Dyndeo Shantaram.
Kudpi, Bhujaangrao.
Kulkarni, Gopalrao Ramchandra.
Kulkarni, Pandit Bhaskar.
Kulkarni, Rabintranath Narayanrao.
Kundanmal, Shrimati Devi H.
Ladiwala, Jamnadas K.
Lalan, Ramji Ravji.
Laljee, Vrajilal V.
Lalji, Gulamhussain Habib.
Laljee, Gulamhussain N.
Lalwani, Shrimati Kikiben.
Lam, Bapuji D.
Lobo, Smt. Ursula Mary.
Maccooli, Harry Campbell.
Macmill Isaac.
Mahadeshwar, Sakharan Babaji.
Mahashabde, Govind Balkrishna.
Mahimtura, Dr Mitrasen Gajanan.
Maitra, Jagadish Chandra.
Makani, Ibrahim Abdulla.
Malelu, J. S. S.
Manchanda, Harish C.
Manekial Premchand, Smt Tarabai.
Mantri, Krishnaji Tatoba.
Mariwala, Vallabhdas Vasanji.
Marwah, Harbanslal M.
Mascarenhas, Francis Dennis.
Mathuradas Dwarkadas.
Mathuradas Haridas Damodar Anandji.
Mathuria, Jagmohandas Lalubhai.
Mehdi, Rajabali Kassam.
Meher, Shankar Haribhau.
Mehra, Ramdas J.
Melra, Ramprakash R.
Mehta, Framroze Hormasjee.
Mehta, Jabirbhai B.
Mehta, Jasvantray G.
Mehta, Manilal V.
Mehta, Kanval K.
Mehta, Ratilal Becharadas.
Melmane, Rama Rao.
Merchant, Bachubhai Thakordas.
Merchant, Haridas N.
Merchant, Dr Jamnadas J.
Merchant, Yahya Cassumji.
Mhatre, Parshuram Atmaram.
Miaji, Yusuf R.
Mirani, Hansraj Jivandas.
Mistry, Rahim Karim.
Mitchell, Peter.
Mithaiwala, Bhailal M.
Modak, Smt. Laxmibai.
Modi, Shrimati Sulochana M.
Modi, Surendra Manilal.
Mody, Ratilal Chhotalal.
Moloobhai Ismail Alimabomed Goolamhussain.
Moolji, Govindji R.
Moras, J. I. C.
Morarji Gordhandas Goculdas.
Motilal Tapuriah.
Motwane, Nanik Gyanchand.
Mulji, Dulabhdas.
Mulji, Ratansi.
Mydeo, Vasudeo Govind.
Nadirshah, Erach A.
Nadkarni, Sadasshiv Pandurang.
Naganath Sayaji.

Nagvekar, Vishwasrao Mahadeorao.
Nalk, D. B.
Nakhuda, Haji Ahmed.
Nanavati, Hiralal Thakordas.
Nanavaty, Someshchandra Manilal.
Nanjee, Shrimati Jayavati Pranlal D.
Naravane, Kashinath Ganesh.
Narayana Rao, T.
Narsi, Muljibhai Vishram.
Natalwala, Allyhussain Adamji.
Nathan, Sultan Alladin.
Naval, Jerajani.
Navalkar, Laxuman Moroba.
Nayen, Balkrishna Ramchandra.
Nazar, Mahomedali Dawood Haji.
Nensi Bhojraj.
Nikaljay, Smt. Tarabai.
Nimbalkar, Yeshwantrao G.
Nimkar, Dattatraya G.
Oak, Dr. Shridhar Vitthal.
Oliveira, Frank.
Oomrigar, Dinshaw C.
Oza, Gabharubhai Jivabhai.
Oza, Indravadan.
Pal, Nagnath Vasudeo.
Pal, Venkatraman Ananth.
Pakvasa, Arvind Mangaldas.
Pandit, Atmaram Bhaskar.
Pandit, Ramkrishna H.
Parekh, Mathuradas M.
Parekh, Jayantilal L.
Parikh, Chimanlal Bapalal.
Parikh, Chimanlal Motilal.
Parikh, Nathalal Dahyabhai.
Parmanand Karsondas.
Partapsingh, Dr. S.
Pastakia, Rustom Hormusjee.
Patani, Mahesh Anantral.
Patel, Bhogilal H.
Patel, Chhotabhai Shankarbhai.
Patel, Dahyabhai Vallabhbhai.
Patel, Jal Ratanji.
Patel, Motibhai Lakhbhai.
Patel, Nariman E.
Patel, Pralhad K.
Patel, Kumari Tehmina Edulji M.
Patel, Rustom Edulji Manekji.
Patkar, Sitaram Ramchandra.
Patki, Janardan Ganesh.
Patwa, Venilal Narottamdas.
Pavri, Dr. Homi Framroze.
Pavri, Hormusji F.
Pavri, Dr Rattanshaw Kalkhasru.
Pereira, Wilfred E.
Phadke, Shrimati Leelabai V.
Phansekhar, Rajaram Ramchandra.
Pingle, Sadasshiv Anant.
Podar, Keshavdeo Ramnarayan.
Poddar, Ghanshyamdas Sitaram.
Pointon, Herbert Vincent.
Poonager, Nasserwan H.
Poonjisee, Jehangir J. M.
Popat, Dr. Mohanlal B.
Potia, Fidaally Mohamedally.
Pradhan, Smt. Champubai, D.
Pratap Singh, Shoorji Vallabhdas.
Pratap Singh Mathuradas.
Premji, Mahomed Hussein Hasham.
Pundkar, Ramchandra V.
Pupala, Narsingrao Chinappa.
Pupala, Parshuram S.
Purav, V. N.
Purshottam Kanji.
Purshotamdas Ishwardas Lakhmaldas.
Rahimtullah, Fazal Ibrahim.
Rajji, Shrimati Jayashri.
Raja, Hargovind Ragnath.
Raja, Tribhovandas J.
Rajadhyaksha, Dr. Bhalchandra Hari.
Raje, Purushottam Ramchandra.
Rajput, Jamnadas M.
Ramalingam, A. C.
Rane, Vamanrao N.
Rangwala, Yahya E.
Rao, Manjeshwar Sanjiva.
Rao, Muddibiri Balkrishna.
Rao, T. Narayan.
Rao, V. G.
Ratanchand Hirachand.
Ratanai Champai.

Rattansey, Devji.
 Reuben, Smt. R.
 Rodrigues, Shrimati B. Leo.
 Roowala, Mulla Sharafali A.
 Rula, Ramnivas B.
 Ruparel, Narandas J.
 Sabnani, Purshotamdas H.
 Sakraney, Lalchand W.
 Saffiuddin, Salebhai Saheb.
 Salebhoy, Abdul Kadar.
 Salvey, Gajanan Sadashiv.
 Salvi, Pandharinath Mahadeo.
 Samant, Narayan Daji.
 Sanghavi, Babubhai Manji.
 Saraiya, Ramanlal Gokaldas.
 Satsangi, Narayan S.
 Saunders, Herbert J.
 Savant, Vishwanath R.
 Sayani, Smt. Kulsum.
 Sethna, Smt. Banoo Pirojsha.
 Sethna, Khurru Shrivax.
 Sevakram Kishanchand C.
 Shah, Bhogilal Chimanlal.
 Shah, Chandulal Somanlal.
 Shah, Chandulal Tribhuvandas.
 Shah, Chandulal Vardhman.
 Shah, Chunilal K.
 Shah, Gumbhircchand Oomedchand.
 Shah, Indulal H.
 Shah, Lakhamaji Ghellabhai.
 Shah, Madhavilal Hiralal.
 Shah, Maganlal H.
 Shah, Mayabhai C.
 Shah, Mohanlal Tarachand.
 Shah, Mohanlal Daulatram.
 Shah, Mohanlal Kalidas.
 Shah, Motichand G.
 Shah, Dr. Nagindas Panachand.
 Shah, Punjalal Nathalal.
 Shah, Ratilal Dahyabhai.
 Shah, Nagindas N.
 Shah, Shantilal Hiralal.
 Shalaul, Shrimati K. G.
 Shalome Abraham.
 Shamji Karamal.
 Shangavi, Tapidas Karsandas.
 Sharma, Jagdeo Shankar.
 Sharma, Kantilal Mohanlal.
 Shete, Dattaram G.
 Shavakaha, Shrimati Gool K. S.
 Sheth, Srimati Sarla J.
 Shinde, Rajaram Nagesh.
 Shreenivasiah, B. M.
 Shroff, Dhiraajlal Nemchand.
 Shroff, Kisandas Maganlal.
 Shroff, Ramanlal Dalsukhbhai.
 Shukla, Prabhashankar Kilashankar.
 Sillam, S. L.
 Singh, Kashi Prasad.
 Singh, Ram Dass.
 Sinha, Bindeshwari P.
 Sipahimalani, Kumari Jethi T.
 Soman, Narayan Ramkrishna.
 Soman, Srimati Sulochana.
 Somaya, Gokuldas Velji.
 Soondardas Morarjee.
 Sovani, Shankar Vinayak.
 Sthalekar, Anant Sheehgiri.
 Taher, Mohammed.
 Taleyarkhan, Homi J. H.
 Tambe, Balkrishna Vishnu.
 Tata, Naval Hormusji.
 Tayabji, Smt. Khadija S.
 Telang, Vinayak D.
 Thakkar, Jamnadas V.
 Thakur, Raghunath Ganesh.
 Thar, Shantilal Lildhar.
 Thawerbhoy, Gulam Hussein Sakoorbhoy.
 Thomas, Smt. Anna.
 Thorat, Raoba Anand Rao.
 Tripathi, Ramratan.
 Trivedi, Harishkumar Narbeshanker.
 Tulla, Vishwanath Rajanna.
 Turner, Cawashaw Rustomji.
 Tyebjee, Dawoodkhan Shalebhoy.
 Vahalla, Harisukh Harilal.
 Vaid, Dinanath Banarasidas.

Vaidya, Balkrishna Narayan.
 Vaidya, Callan Dattatraya.
 Vaidya, Dhiraajlal A.
 Vaidya, Murarji Jadhavji.
 Vaidya, Shankar Hari.
 Vaidyanathan, Lalgudy Swaminath.
 Vakharia, Dwarkadas H.
 Vakharia, Maneklal.
 Vakil, Kakalbhai Bhudardas.
 Vakil, Vasantram Jamlettram.
 Varawalla, Husaini Abdullahbhoj.
 Varde, Vaman P.
 Varindimal, Issardas.
 Vasi, Mohsin Shaikadam.
 Vaze, Dattatraya Laxman.
 Vaziralli, Hazir Hussein.
 Vengsarkar, Smt. Sumatibai S.
 Verma, Mangaldas Nandlal.
 Vora, Jasvantrai Chatrabhuj.
 Vora, Manikchand Bhalchand.
 Wadia, Jamshed Bomanji H.
 Wagh, Waman Wasudeo.
 Wilkinson, Eric.
 Yagnik, Bhanushanker M.
 Yusuf, Abdul Rehman.
 Zakaria, Rafique Ahmed.

SUPERNUMERARY LIST

Barodawalla, Salebhai K.
 Bhabha, C. H.
 Bhatt, Madhavilal Makanji.
 Billimoria, Sir Shapurji.
 Birla, R. D.
 Captain, H. A.
 Captain, Shrimati H. C.
 Chandavarkar, Sir Vithal Narayan.
 Chinoy, Sir Rahimtulla M.
 Dahanukar, M. L.
 Daphtari, Shrimati Susheela.
 Deshmukh, Dr. G. V.
 Devetia, Keshavdeo.
 Gilder, Smt. Hirabai M.
 Hamied, Dr. K. A.
 Jeejeebhoy, Rustomjee B. J.
 Jhangir, Lady Hirabai Cawasjee.
 Jhangir, Sir Cawasji.
 Jhaveri, Krishnalal Mohanlal.
 Kajiji, T. M.
 Kane, P. V.
 Kanji, Dwarkadas.
 Kantilal, Ishwarilal.
 Kapadia, Sorab P.
 Karanjia, Sir Behram.
 Kay, Sir Joseph.
 Khatau, Dharamsey.
 Kilchand Tulidas.
 Lalji, Hoosainbhoj A.
 Mascarenhas, Dr. M. U.
 Masani, Rustom Pestonji.
 Mehta, Sir Chunilal B.
 Mitha, Sir Suleman Kassam.
 Modak, Shrimati Tarabai.
 Modi, Homy.
 Munshi, Shrimati Lilavati K.
 Nakra, Nuserwanji B.
 Nanavaty, Smt. Maniben.
 Nanavaty, Sir Manilal.
 Nanjee, Pranlal Devkaran.
 Napoo, Velji Lakhamshi.
 Narottamdas, Gordhandas Bhagwandas.
 Navinchandra Mafatalal.
 Nevatia, Keshavdeo.
 Nurla, M. Y.
 Parekh, Khushaldas Kurji.
 Patil, S. K.
 Sarabhai Prataprai.
 Shroff, K. R. P.
 Tata, J. R. D.
 Thakarsey, Krishnaraj M. D.
 Thackersey, Shrimati Premila V.
 Thakordas, Sir Purshottamdas.
 Tyabji, Husaini Badruddin.
 Vachha, Jamshedji Bejanji.
 Vazifdar, Capt. Nowroji Jamshedji.
 Vellingkar, S. G.
 Wadia, Neville Ness.

RAILWAY PERSONNEL IN BOMBAY

BOMBAY PORT TRUST RAILWAY

Manager, M. E. A. Kizilbash.

Assistant Managers, J. N. Adugga, B.A.; H. A. Mirza.

Assistant Managers (Junior), D. K. S. Basrur, M.A.; B. S. Jhirad.

CENTRAL RAILWAY

Offices. -- Victoria Terminus, Bombay

Open 5,427.61 miles—Bombay Harbour Branch and Mahim Connection Chord Line, Bombay to Allahabad, Bhusawal to Nagpur, Kalyan to Raichur, Itarsi to Nagpur, Amla to Parasia, Itarsi to Agra, Bhopal to Ujjain, Bina to Katni, Bina to Baran, Baran to Kotah, Jhansi to Kanpur, Jhansi to Manikpur, Ait to Kunch, Dhond to Manmad, Palasdhari to Khopoli, Kurla to Mankhurd, Challsaon to Dhulla, Jalgaon to Amalner, Jalamb to Khangaon, Badnera to Amraoti, Wardha to Balharshah, Majri to Rajur, Agra to Okhla, Murtijapur-Ellichpur, Murtijapur-Yeotmal, Pulgaon-Arvi, Dhond-Baramati, Matheran Hill, Pachora-Jamner, Manmad to Secunderabad, Secunderabad to Dronachellam, Mudkhed to Adilabad, Purna to Ilingoli, Nizamabad to Bodhan, Parbhani to Puri-Vajjnath,* Dornakal to Singarai Collieries, Dornakal to Bhadrachellam Road, Wadi to Secunderabad, Secunderabad to Kazipet, Kazipet to Bez-wada, Kazipet to Balharshah

* Vikarabad to Puri-Vajjnath.

GENERAL MANAGER'S OFFICE

V T, Bombay

General Manager, H. P. Hirra, B.A.

Senior Deputy General Manager, A. Saldanha, M.A. (Cantab.), M.I.E. (India).

Secretary to the General Manager, R. T. Shahani, M.A.

Statistical Officer, M. D'Souza, M.A.

Compilation Officer, T. P. Ananthan.

Public Relations Officer, M. S. Sundra, M.Sc.

Assistant Publicity Officer, S. P. Hiran.

Assistant Secretary (Complaints), V. V. Modak, B.A.

Assistant Secretary (General), R. N. Chatterjee

Personnel Officer, Special Duty, H. P. Wanchoo, B.A., LL.B.

PERSONNEL ORGANIZATION

Deputy General Manager (Personnel), M. D. Balaraman, M.A.

Personnel Officers, P. V. Gole, B.E. (Engineers); K. S. Row, B.A. (Transportation); R. P. Singh (Commercial); Chand Narain, M.A. (Labour).

Assistant Personnel Officers (General), K. M. Palekar, B.Sc.; R. G. Bendre.

Assistant Personnel Officers, T. Raghavachari, M.A. B.L. (Passes and Bills); C. A. Rajagopalachari, B.A. (Stores); J. F. Silvera (Electrical); K. Sambamurthy (Signal and Tele-Communications); N. Krishnamurthy (Mechanical)

GRAINSHOP ORGANIZATION

Controller of Grainshops, K. V. Pandit, B.A. (Hons.).

Assistant Controllers, Grainshops, Kundanlal Sangari (Bombay); V. R. Mohorikar (Nagpur); B. P. Chopra (Jhansi); B. G. Sardar (Poona); A. J. Veeraswamy (Secunderabad).

ENGINEERING DEPARTMENT

Bombay Division (Headquarters)

Chief Engineer, Bombay, J. E. Jack, E.D., B.Sc. (Edin.), M.I.C.E., M.I.E. (India), A.M.I.E., Fellow, P.W. Inst.

Deputy Chief Engineers, Bombay, S. Gopalani, B.E., M.I.E. (India), Fellow, P.W. Inst. (Central); N. M. Thadani, B.Sc. (Edin.), M.I.C.E., M.A.S.C.E., M.I.E. (India), Fellow, P.W. Inst. (North); T. S. Sankaran, B.E., M.I.E. (India), Fellow, P.W. Inst. (Headquarters); F. X. Lobo, B.E., Fellow, P.W. Inst. (South).

Divisional Engineer (Headquarters), Bombay, Mohamed Zaffer Mirza, B.Sc. (Eng.) (Lond.).

Personnel Officer, Bombay, N. N. Setty, B.E. (Hons.).

Engineers-in-charge, Bombay, P. Govinda Rao, B.Sc. (Hons.), Assoc. Fellow, P.W. Inst. (Projects); J. H. M. Noronha, B.E. (Hons.), Assoc. Fellow, P.W. Inst. (Sanitation and Water Supply); J. Y. Marathe, B.E. (Advance Planning); P. K. Mukherjee, B.Sc., C.E., A.P., Member, P.W. Inst., A.R.E.A., A.M.I.E. (Designs); S. L. Gupta, B.A., C.E. (Hons.) (P. Way and Stores).

Assistant Engineers, Bombay, T. S. Rajgopal, Member, P.W. Inst. (Estimates, General); M. Michael (Estimates); J. J. Theodore (Drawing Office, General); Y. G. Rane, B.E. (Drawing Office, Structure).

Assessment Officer, Bombay, A. G. Kamat, B.A., B.Sc.

Assistant Engineer-in-Charge (Budget), Bombay, A. R. Pal.

Parel Division.

Divisional Engineer, Parel, S. Rodrigues, B.E., Assoc. Fellow, P.W. Inst.

Assistant Engineer (Headquarters), Parel, J. Jeffrey.

Assistant Engineers, W. W. Williams (Parel); P. W. Bastlato (By-culla); R. K. Panthaki (Construction) (Parel); P. V. George, B.E. (Lonarla).

Executive Engineer, Kurla-Trombay Construction, Parel, D. G. Divgli, B.E., Assoc. Fellow, P.W. Inst.

Assistant Engineer, Igatpuri, J. L. D'Souza, Member, P.W. Inst.

Poona Division.

Divisional Engineer, Poona, K. K. Rao, B.E., A.M.I. Struct. E. Assoc. Fellow, P.W. Inst.

Assistant Engineers, H. Yesonath, B.E., A.M.I.E. (India), Member, P.W. Inst. (Sholapur); T. N. Subramanian, B.Sc. (Eng.), (Shahabad), F. R. Bagwalla, Assoc. Fellow, P.W. Inst. (Dhond).

Bhusawal Division.

Divisional Engineer, Bhusawal, T. R. Subramanian, B.Sc. (Eng.).

Assistant Engineer (Headquarters), (Bhusawal), B. G. Ketkar.

Assistant Engineers, S. Raghavan (Bhusawal); B. V. Seshadri, B.E. (Khandwa); Chuntal Sabarwal (Manmad).

Nagpur Division.

Divisional Engineer, Nagpur, S. F. Braganza, C.E. (Hons.), Assoc. Fellow, P.W. Inst.

Assistant Engineers, G. L. Bajaj (Nagpur), H. Ardeshir, Member, P.W. Inst. (Warora); A. A. Rego, B.E. (Betul)

Jubbulpore Division.

Divisional Engineer, Jubbulpore, N. L. Deshmukh, B.E., A.M.I.E. (India), Member, P.W. Inst.

Assistant Engineers, V. K. Chhaya, B.E., A.M.I.E. (India), Member, P.W. Inst. (Jubbulpore); R. Hasija, Member, P.W. Inst. (Satna); N. P. Nagarkar, B.E. (Saugor)

Jhansi South Division

Divisional Engineer, Jhansi South, M. I. Chhaya, B.E. (Hons.), A.M.I.E. (India), A.M.A.S.C.E.

Assistant Engineers, M. S. Sonalkar (Bina), Sarinder Singh, Member, P.W. Inst. (Bhopal); A. K. Rangacharya, Member, P.W. Inst. (Guna).

Jhansi North Division.

Divisional Engineer, Jhansi North, P. G. Gopalan, B.E. (Hons.).

Assistant Engineers, W. E. Essul (Jhansi); K. R. Rai, B.Sc. (Hons.), Assoc. Fellow, P.W. Inst. (Agra).

Jhansi Central Division

Divisional Engineer, Jhansi Central, N. Sivaramakrishnan, B.E.

Assistant Engineers, R. Sahni (Gwalior); E. N. Salazar, Member, P.W. Inst. (Kanpur); Gulab Singh (Mahoba)

Barkhera Construction Division.

Executive Engineer, Barkhera, L. F. X. Freitas, B.E., Assoc. Fellow, P.W. Inst.

Assistant Executive Engineers, R. M. Ogale, B.E. (Mid-Ghat); V. H. Dabko, B.E. (Budul); R. N. Iyer (Barkhera).

Bridge Department.

Bridge Engineer, Manmad, J. M. Parikh, B.E., Assoc. Fellow, P.W. Inst.

Assistant Bridge Engineers, N. Ramappa, A.M.I. Struct. E. Member, P.W. Inst. (Administration); H. A. Rodgers (Works); U. L. D'Fraser, Member, P.W. Inst. (Shops); Susal Raj, L.M.E.E. (Secunderabad).

Akola Division.

Divisional Engineer, Akola, G. Ahmed Sheriff, B.E.

Assistant Engineers, Y. V. Vadhavkar, Member, P.W. Inst. (Akola); D. A. Davar (Yeotmal).

Secunderabad East Division.

Divisional Engineer, Secunderabad East, R. But, B.A., B.Sc. (Hons.), M.Sc. (Manchester), A.M.I.E.

Assistant Engineers, Khaja Mohiuddin Khan (Secunderabad East); T. N. Rameswamy Iyengar, B.E. (Mysore), A.M.I.E. (Kazipet).

Secunderabad West Division.

Divisional Engineer, Secunderabad West, S. Molnuddin, B.E., A.M.I.E.

Assistant Engineers, Mir Ahmed Ali Khan, B.Sc., B.E. (Secunderabad, Buildings); S. K. Sreenivasan (Mohomedabad-Bidar); P. C. Padma Rao (West).

Secunderabad North Division.

Divisional Engineer, Secunderabad North, Syed Wahabuddin Ahmed, B.Sc. (Aligarh), B.Sc. (London), A.C.G.I., A.M.E.
Assistant Engineers, F. X. A. Nazareth (Purna); M. Dwarkanath, B.A., B.E. (Osmania), A.M.I.E. (S.C. North); J. Satyanarayana (Jalna).
Resident Engineer (Civil), Kalyan Power House, E. S. M. Carlos, B.E., Assoc. Fellow, P.W. Inst.

OPERATING DEPARTMENT**Head Office (Bombay), Victoria Terminus**

Chief Operating Superintendent, R. B. Lal.
Deputy Chief Optg. Superintendents, N. Y. Manohar (Coaching); M. A. Qadeer (Goods); N. K. Kaulikar (Loco and C. & W.).
Assistant Transport Superintendents, S. R. Gokhale (Movement); S. Mehdi Ali (General); K. P. Jayaram (Power).
Fuel Officer, P. V. Ramamurthy
Asstt. Trans. Supdts., S. Ramaswamy (Coaching); M. Z. Alvaris (C. & W.).
Personal Assistant to COPS, P. R. Pusalkar.

Bombay Division

Divisional Trans. Supdt., B. C. Desikachari.
Divisional Optg. Supdt. (Movement), F. Da Costa.
Assistant Trans. Supdts. Shahid Ali Khan (Est.); P. M. D'Souza (Est. Jr.).
Assistant Optg. Supdts., Sohrabji Jehangirji (Movement); L. Gwillim (General).
Assistant Mechanical Engineer (Power), R. A. Hussel.

Bhusawal Division

Divisional Trans. Supdt., K. S. Narayanan
Divisional Optg. Supdt. (Movement), B. C. Mathias.
Divisional Mechanical Engineer (Power), T. C. Pant
Assistant Trans. Supdts., V. D. Jog (Est.), V. A. Blanchette (Est. Jr.).
Assistant Optg. Supdts., H. S. Menasse (Movement); T. S. Krishnamurthy (General).
Assistant Mechanical Engineers, N. N. Mujumdar (Power); Y. M. Telang (Power); B. S. Pendse (C. & W.).

Jhansi Division

Divisional Trans. Supdt., A. C. Mukerji.
Divisional Optg. Supdt. (Movement), O. C. S. Wragg.
Divisional Mechanical Engineers, A. Balakrishnan (Power); E. C. King (C. & W.).
Assistant Trans. Supdts., P. Anantha Pal (Est.); A. M. Jacobs (Est. Jr.).
Assistant Optg. Supdts., J. Roach (Movement); M. A. Rizvi (General).
Assistant Mech. Engineers, M. K. Kapur (Power); H. R. Sullivan (Power).
Area Officer, Gwalior, T. V. Srinivasan
Area Superintendent, Agra Cantt., R. K. Natesan.

Jubbulpore Division

Divisional Trans. Supdt., A. H. Burnett
Divisional Mech. Engineer (Power), G. M. Gadgil.
Assistant Optg. Supdts., D. R. Misra (Movement); P. M. Gupta (General).
Assistant Trans. Supdt. (Est.), P. K. Narayanaswami.
Assistant Mech. Engineer (Power), G. S. Kodikal.

Nagpur Division

Divisional Trans. Supdt., H. C. Baral.
Divisional Mech. Engineer (Power), A. C. Chatterji.
Assistant Optg. Supdts., K. P. Singh (General); V. B. Harris (Movement).
Assistant Trans. Supdt. (Est.), T. M. Vaughan.
Assistant Mech. Engineer (Power), R. V. Iyer.

Sholapur Division

Divisional Trans. Supdt., Y. P. Kulkarni.
Assistant Mech. Engineer (Power), Y. R. Puri.
Assistant Optg. Supdt. (M. & G.), R. N. Baker.
Assistant Trans. Supdt. (Est.), Vacant.

Secunderabad Division

Divisional Trans. Supdt., R. Hydarli.
Divisional Optg. Supdt. (Movement), V. Ganesh Rao.
Divisional Mech. Engineers, S. N. Hussain (Power); E. Moorey (C. & W.).
Assistant Trans. Supdts., K. Srinivasan (Est.); C. K. Swaminathan (Est. Jr.).

Assistant Optg. Supdts., N. V. S. Krishnan (Movement); Syed Arif Sajjad (General).

Assistant Mech. Engineers, C. J. Laurent (Power); T. F. Duffield (Power).

Officers on Leave

Divisional Operating Supdt., E. M. Greig.
Divisional Operating Supdt., V. Ramanathan.

COMMERCIAL DEPARTMENT**V.T., Bombay**

Chief Commercial Superintendent, M. G. Iyer, B.A.
Dy. Chief Commercial Superintendent, S. K. Mukerji, M.Sc.
Divisional Commercial Superintendents, E. J. Simoes, B.Sc. (Hons) (Bombay); B. V. Joshi, B.A. (Sholapur); R. K. Murty, M.A. (Bhusawal); K. S. Venkatachalam, B.Sc. (Hons.) (Nagpur); K. S. J. Dalal, B.A., LL.B. (Jubbulpore); C. T. Solikirk (Jhansi); H. F. Pinto, B.Sc. (Hons.) (Secunderabad).
Assistant Traffic Managers (Senior Scale) (Headquarters), Mirza J. A. Khan, B.A.; T. V. Balan; B. Natarajan, M.A.
Superintendent of Claims, Byculla, Bombay, F. C. Bhandari, M.A.
Claims Superintendent, Secunderabad, Md. Fathuddin, B. Com. (Lwds), Bar-at-Law, F.R.E.S. (Lond).
Assistant Traffic Managers (Class II Service) (Claims), Byculla, Bombay, S. S. Rajan; G. S. Tandon; G. Samson; F. R. Fernandes; A. P. Iyengar; N. S. Krishnan; S. P. Chopra.
Assistant Traffic Managers (Class II Service) (Headquarters), Shanirao S. Nadkarni; Sadashiv S. Nadkarni; R. Ramu Iyer; K. V. John.
Assistant Traffic Managers (Class II Service) Claims - Secunderabad, P. K. Srivastava; P. R. Toorkey.
Assistant Divisional Commercial Superintendents (Class II Service), E. S. Reuben (Bombay); G. B. Chandarkar (Bombay); M. Bhasker Rao (Bhusawal); Shamrao Ramchandra (Bhusawal); N. R. Dutta Gupta (Nagpur); T. S. Gopalrao (Jubbulpore); L. N. Moholkar (Jhansi); R. R. Majithia (Jhansi); Prem Sagar (Secunderabad); G. P. Joshi (Secunderabad); Arjun Pershad (Secunderabad).
Goods Superintendent, Wadi Bunder, S. P. Ranganadham, B.A., M.Sc.
Assistant Goods Superintendent, Wadi Bunder, B. S. Tyagi.
Superintendent, Watch & Ward, Currey Road, Capt. R. B. K. Warrier.
Assistant Superintendent, Watch & Ward, Currey Road, W. T. M. Rowe.

MECHANICAL DEPARTMENT**Headquarters Office, Bombay, V.T.**

Chief Mechanical Engineer, J. W. E. Gurr, A.M.I. Mech. E., A.M.I. Loco. E.
Dy. Chief Mechanical Engineers, J. F. Muncherjee (R. & M.); C. S. Lal (C. & W.); Iqbal Hydarli, A.M.I. Loco. E. (Loco).
Personal Assistant to C.M.E., H. J. De Vas, A.M.I. Mech. E.
Statistical Co-ordination Officer, M. V. Ramamoorthy.
Asstt. Mechanical Engineer (R. & M.), R. P. Goes, A.M.I. Loco. E.
Chief Mechanical Draftsman (C. & W.), B. M. Krishnaswamy.

Locomotive Workshops, Parel

Works Manager, B. P. Hira, B.Sc. (Bom.), B.Sc. (Tech.) (Manchester), A.M.C.I. (Manchester), A.M.I.E. (Indla).
Production Engineer, B. O. Raymond.
Asstt. Works Managers, E. H. Kinchella; J. A. Cox; C. T. Joseph.
Personnel Officer, G. L. Kavadey, B.Sc. (Eng.).

Carriage & Wagon Workshops, Matunga

Works Manager, R. D. Nadirshaw, A.M.I. Mech. E., A.M.I. Loco. E.
Production Engineer, G. E. Townsend.
Assistant Works Managers, M. Mather; C. R. Coveney; L. Hornby.
Asstt. Personnel Officer, Lachman Dass.

Carriage & Wagon Workshops, Jhansi

Works Manager, J. Matthan, A.M.I. Mech. E.
Assistant Works Manager, Anand Prakash, A.M.I. Mech. E.
Assistant Personnel Officer, H. G. Newalkar.

Locomotive and Carriage & Wagon Workshop, Lallaguda

Works Manager, P. N. Kaul, A.M.I. Mech. E., A.M.I. Loco. E., G.I.E.E.
Assistant Works Managers, H. R. Lamoury; C. E. Lamoury.
Assistant Personnel Officer, V. S. Kuppu Rao.

Gwalior Division

Assistant Mechanical Engineer, S. I. Athavale.

Laboratory, Parel

Chemist and Metallurgist, K. P. S. Nair.

SIGNALS & TELE-COMMUNICATION DEPARTMENT

C. S. T. E., E. W. Battams, M.I.R.S.E.
Signal & Tele-communication Engineers, S. A. Srinivasan, B.Sc. (Eng.) P. N. Gupta, B.Sc., C.E. (Hons.).
Divisional Signal & Tele-Com. Engineers, V. U. Shanai, B.E. (Elec.) (Hons.) (Bombay); A. K. Srinivasan (Jhansi); E. J. W. Correy (Bhusawal); C. Krishnamurthy (Secunderabad).
Assistant Signal & Tele-Com. Engineers, A. Lobo, G. Tulsi Ram Rao (Bombay); F. A. Vaz (Jhansi); A. Daniel (Jabalpur); R. V. Bapol (Secunderabad); H. G. Gokhale (Bhusawal); J. Hill (Jabalpur).
Assistant Wireless Officer, J. P. Khanderher.

ELECTRICAL BRANCH

C. T. E. E., P. L. Verma, B.Sc., B.Sc. (Eng.), A.M.I.E.E. (London), M.I.E.
Dy. C. E. E., P. N. Murti.
D. E. E. (HQ.), S. P. Tonse, B.E. (Hons.), grad. Met., mech. Engr., A.M.I.E.E.
D. E. E. (Matunga), R. L. Mitra, B.Sc. (Hons.), B.Sc. (Eng.), grad. I.E.E.
T. E. R. S. (Bombay), N. Padmanabhan, B.Sc. (Hons.) (Eng.), G.R.I.E.E., G.R.I.M.E.
T. E. D. (Bombay), S. K. Kanjilal.
Power House Supdt., J. D. Malhotra.
Asst. Electrical Engineers (Bombay), N. S. A. Iyengar, S. N. Ranade, K. H. Mehta.
Asst. Electrical Engineers, G. N. Gavitly (Bhusawal); A. I. George (Jhansi); G. Narasimloo (Secunderabad); K. S. Pal (Matunga); J. R. Rodrigues (Parel).
Asst. Traction Engineers, V. J. Mohan (Bombay); V. K. Kamat (Bombay); S. T. Udeshtil (Kurla); J. K. Kaul (Kalyan); R. S. S. Thompson (Kalyan); P. M. Dantooher (Bombay); V. J. Nisseln (Kurla); A. A. Hattangadi (Lonarla).
Asst. Power House Supdt., M. K. Bates; S. C. Moell; M. N. Mukerjee.
Shift Charge Engineers, I. J. Levy; N. C. Mukerjee; P. M. Contractor; E. Nagarajan.
Assistant Resident Engineer (C. & W.), Chola, N. B. Satarawala.
Resident Engineer (Civil), Chola, E. S. M. Carlos.

STORES DEPARTMENT

Head Office :—Victoria Terminus, Bombay

Controller of Stores, Anise Ahmed, Fellow P.W. Inst.
Dy. Controller of Stores, J. C. Fernandes, B.A., B.E.
District Controller of Stores (Steel), N. M. Shah, B.E.
District Controller of Stores (Headquarters), M. M. Parekh, B.A. (Hons.), B.Sc. (Hons.), B.Sc. (Lond.), A.M.I. Mech. E., A.M.I. Loco. E.
Assistant Controllers of Stores, V. Ramadurai (Purchase); R. Trindade (Purchase); N. V. Khopkar (Disposals).

General Depot, Lower Parel

District Controller of Stores, D. Solomon, B.E.
Assistant Controller of Stores, P. A. Gopalan, B.A.

Mechanical Depot, Parel

District Controller of Stores, S. G. Ghosalkar, B.E.
Assistant Controller of Stores, J. Andrade.

Carriage, Wagon & Electrical Depot, Matunga

District Controller of Stores, R. K. Tandon, B.E.
Assistant Controller of Stores, F. X. Fernandes.

Printing Press, Byculla

Press Superintendent, I. M. Patrao.

Jhansi

Assistant Controller of Stores, J. R. Gaudoin.

Secunderabad

District Controller of Stores, K. Shrinivas Rao, B.A. (Hons.), Bar-at-Law.
Assistant Controllers of Stores, N. M. Sagade, B.A., B.Com.; A. G. Ramdas.

Officer on leave

Assistant Controller of Stores, S. B. J. Rajalah, B.E.

ACCOUNTS DEPARTMENT

V.T., Bombay and Secunderabad

Financial Adviser and Chief Accounts Officer, K. Krishna Rau, M.A.
Dy. Chief Accounts Officers, Bombay V.T., S. S. Gore, B.A., Bar-at-Law; D. C. Veavina, B.A.
Dy. Chief Accounts Officer, Secunderabad, S. G. Pothan, M.A.

Senior Accounts Officers, Bombay V.T., Y. T. Shah, M.A., LL.B.; T. S. Gopalan, M.A.; T. S. Panchapakesan, B.A.; A. K. Ganesan, M.A.; K. K. Kamat, B.A.

Senior Accounts Officer, Secunderabad, R. A. Murti, G.D.A.

Assistant Accounts Officers, V.T., V. M. Bhagwat; P. B. Chopra; S. C. Guha, B.A., LL.B.; C. S. Somasundaram, B.A.; M. Thomas, B.A. (Hons.).

Assistant Accounts Officers, Parel, J. M. Dandekar, B.Sc.; N. L. Bhat, B.A.

Assistant Accounts Officers, Secunderabad, V. S. Rangachari, B.A.; D. A. Padmanablah; M. A. Hal; J. R. Thomas, B.A.; K. S. Haravu, B.A.

Probationary Accounts Officers (IRAS), A. V. Poulse, M.A.; M. Ramjee, B.Sc.; B. Madhavan, B.Sc.; S. Ramaswamy, B.B. (Mech.); D. K. Kar, M.A.

Chief Cashier, B. A. Aranha.

MEDICAL DEPARTMENT

Chief Medical Officer, Dr. M. N. Chatterjee, F.R.C.S. (Eng.), L.R.C.P.

District Medical Officers, Dr. S. P. Taylor, M.B., Ch.B., M.R.C.S., L.R.C.P.; Dr. N. J. Bakhru, M.B.B.S. (Bom.), F.R.C.S. (Edin.), L.R.C.P., M.R.C.S.; Dr. S. L. Malhotra, B.Sc., M.B. (Hons.), M.R.C.P. (Lond.), D.C.H. (Eng.), D.P.H. (Eng.), D.I.H., R.C.P. (Lond.), R.C.S. (Lond.); Dr. S. K. Bose, M.B. (Cal.); Dr. S. P. Pednekar, M.S. (Bom.), F.C.P. & S. (Bom.); Dr. P. G. Dalal, B.Sc., M.B.B.S. (Bom.); Dr. M. Raskino, M.B.B.S. (Bom.); Dr. F. L. Jain, L.M.P., L.O., M.S.M.F.

Assistant Medical Officers, Dr. V. G. Naralkar, M.B.B.S., B.Hy.; Dr. J. V. Rangnekar, M.B.B.S., D.P.H.; Dr. M. S. Venkatraman, M.B.B.S.; Dr. (Miss) E. Andrews, L.M.P., M.B.B.S.; Dr. D. R. Chopra, M.B.B.S.; Dr. S. R. Samuel, M.B.B.S.; Dr. T. F. Macedo, M.B.B.S.; Dr. F. W. Correa, M.D. (Patna), D.C.H. (Bom.).

WESTERN RAILWAY

Offices: Opp. Churchgate Station, Bombay. Broad, Metre and Narrow. Mileage 5,570.47.

HEADQUARTERS OFFICE, CHURCHGATE (GENERAL & PERSONNEL)

General Manager, K. P. Muehran, B.E.

Senior Dy. General Manager, S. S. Ramasubban, M.A.

Dy. General Manager (Personnel), M. G. Mirchandani, B.E., A.M.I.E.

Secretary, Mina R. Sanjana.

Headquarters Personnel Officers, H. K. D. Kapoor, A.M.I.E.; V. Giridharada, B.E. (Madras); B. M. Kaul; S. N. Gupta, B.Sc.

Assistant Personnel Officers, L. D'Souza; M. D. Fonseca; K. Y. Rahade, M.A.; Anand Prakash, B.A., LL.B.; B. V. Shenoy.

Public Relations Officer, B. L. Kapoor, B.A.

Statistical Officer, C. M. Rees.

Assistant Secretary, M. A. Kamath.

Asst. Public Relations Officer, H. D. Sethna, M.A. (Hons.).

Anti-Corruption Officer, J. A. Greenhill.

Officer on Special Duty, S. C. Chatterjee.

Compilation Officer, Ajmer, Hari Singh.

Bombay Region

Regional Personnel Officer, Bombay Central, S. N. Sachdev, B.A.

Assistant Personnel Officers, Bombay Central, D. R. Kalyanpur; D. R. Sanjana, M.A.

Ajmer Region

Regional Personnel Officer, Ajmer, M. K. Menon, M.A.

Assistant Personnel Officer, Ajmer, R. K. Mehra, B.A., LL.B.

Gondal Region

Regional Personnel Officer, Gondal, K. R. R. Aiyangar, M.A., B.L. (Madras), M.Sc. (Econ.) (Lond.).

Asst. Personnel Officers (Workshops), Parel, M. M. Khan, B.A.; A. L. Gadekar.

Asst. Personnel Officers, Ajmer, Gangaram Ahuja; S. A. Bhatnagar.

Grainshops

Controller of Grainshops, Bombay-Central, K. K. Pooviah, B.A., B.Sc. (Hons.) (Madras).

Assistant Controllers of Grainshops, B. K. Shroff, B.Com. (Bombay Central); M. A. M. Patel, B.A. (Ajmer); Champat Lal (Baroda).

ACCOUNTS DEPARTMENT

Financial Adviser & Chief Accounts Officer, Bombay, M. R. Swaminathan, M.A., LL.B.

Dy. Chief Accounts Officers, T. S. Subramanian, M.A. (Bombay); A. Sahul Hamid, B.Sc. (Hons.) (Bombay); S. P. Sahni (Ajmer).

Senior Accounts Officers, Bombay, A. T. M. Yusufuddin; Godwin Rhee; D. G. Tere.

Senior Accounts Officer, Gandhidham, M. D. Oza.

Regional Accounts Officers, H. S. Mukherji (Bombay Central); Brijlal Grover (Ajmer); B. J. Rege (Bhavnagar City).

Chief Auditor, Bombay, B. Srinivasamurthy.

ENGINEERING DEPARTMENT

Chief Engineer (Bombay), T. Bell, A.M.I.C.E., A.M.I.E.

E-in-C., K. D. Construction, Gandhidham, C. Y. Mangrulkar.

Dy. Chief Engineer, Bombay, M. V. Joshi, B.E., A.F.P.W. Inst.

Regional Engineers, Sujan Singh, B.Sc. (Lond.), A.M.I.E. (Bombay); P. S. Khamsra, B.E., M.I.E. (Ajmer); B. K. Kuppaswamy, B.E. (Mysore), I.P.W.I. (Gondal).

P.A. to Chief Engineer, Bombay, C. C. Gilbert, B.F.

P.As. to Regional Engineers, A. N. Albuquerque, B.Sc. (Lond.) (Bombay); R. S. Barve, B.E. (Ajmer); C. Lobo, B.E. (Bom.) (Gondal).

Projects Engineer, Bombay, Hari Sinha, B.E. (Civil), A.M.I.E., F.P.W. Inst. (Lond.).

Bridge Engineer, U. S. Manel, B.E. (Madras), A.M.I.E.

Track Supply Officer, S. H. Desai, B.E. (Bom.).

Executive Engineers, V. S. Sathe, B.Sc., B.E., D.U.C.R. (Lond.), A.M.I.E. (India) (Parsi); N. K. Hazra, B.Sc. (Lond.) (Bulsar); A. C. De, B.E. (Calcutta) (Baroda); G. N. Mehta, B.E., A.M.I.E., A.F.P.W. (Lond.) (Ahmedabad); J. S. Khargamwala, B.E. (Railam); J. S. Kirby, A.M.I.C.E. (Kotah); P. O. Thomas, B.Sc. (Abu Road); J. H. Talati, B.E. (Bom.), M.I.E. (India), A.M.I.C.E. (Lond.) (Ajmer); L. V. Parekh (Bandikui); S. S. Gohel, B.Sc. (Mhow); B. K. Batliwala, B.E. (Jamnagar); H. Osa, B.E. (Elec. & Mech.), (Bhavnagar); N. K. Mehra, B.Sc. (Roorkee) (Junagadh); S. K. Iyer, B.Sc. (Travancore) (Bulsar).

SIGNALS & TELE-COMMUNICATION DEPARTMENT

Chief Signals & Tele-Communication Engineer, Bombay, H. C. Towers, M.I.E.E., M.I.R.S.E., M. Inst., T.F.P.W. Inst.

P.A. to Chief Signals & Tele-Communication Engineer, Bombay, W. C. Liebenhals, M.I.R.C.E.

District Signals & Tele-Communication Engineer, Bombay, P. R. Mullan, A.M.I.R.S.E., Grad. Inst., T.A.F.P.W. Inst.

District Tele-Communication Engineers, Bombay, L. C. Vaswani, B.E. (Elec.), B.E. (Mech.); G. R. Pathak, L.M.E., L.E.E. (Bom.), A.M.I.R.S.E.

District Signals & Tele-Communication Engineer, Ajmer, D. P. Purang, B.Sc. (ALD), C.E. (Hons.) (Roorkee).

ELECTRICAL DEPARTMENT

Chief Electrical Engineer, Bombay, N. C. Sabikhi, A.M.I.E.E.

P.A. to Chief Electrical Engineer, Bombay, V. R. Vajramushti, B.A. (Hons.) (Bom.), B.Sc. (Hons.) (Lond.).

District Electrical Engineers, Bombay, T. S. Viswanathan; B. J. Patel (Traction).

District Electrical Engineers, R. J. Batliwala, A.M.I.E. (India), (Dohad); N. M. Doig (Ajmer).

MECHANICAL DEPARTMENT

Chief Mechanical Engineer, Bombay, B. Venkataraman, B.Sc., A.M.I.M.E., A.M.I.L.E.

Dy. Chief Mech. Engineer (G), Bombay, I. C. Bahree.

Personal Asstt. to Chief Mech. Engineer, N. M. Arunachalam.

Bombay Region

Regional Mechanical Engineer, Bombay-Central, I. G. Bigg-wither, A.M.I.L.E.

Personal Assistant to R.M.E., I. T. Carter.

Dist. Mech. Engineers, Gulshan Rai (Bulsar) D. T. Sampat, T. E. M. (Belg.), M.I. Loco E. (Pratapnagar); S. S. Lal, A.M.I.L.E. (Ahmedabad); K. R. Narayanan, B.Sc. (Eng. Mech. Elec.), A.M.I.E. (Gangapur).

Ajmer Region

Regional Mech. Engineer, Ajmer, L. N. Chaudhuri, G.I.L.E., S.M.I.L.E.

Personal Assistant to R.M.E., P. W. Jadeja, B.Sc.

Dist. Mech. Engineers, H. C. Sarin (Mhow); T. R. Vishwanathan, B.Sc. (Abu Road); S. C. Bansal, A.M.I.E. (India) (Bandikui).

Assistant Mech. Engineers, N. G. Joshi (Jaipur); P. N. Tikku, B.Sc. (Eng.) (Udaipur).

Gondal Region

Regional Mech. Engineer, Gondal, G. V. N. Acharya, B.A. (Madras), B.E. (Mysore).

Dist. Mech. Engineers, D. V. Ketkar, B.Sc. (Engineering) (Jamnagar); D. A. Mankad, B.Sc. (Mech.) (Bhavnagar); E. R. Shroff, A.M.I.L.E. (WAP-Okha).

Assistant Mech. Engineer, Gandhidham, B. M. Chatree.

Workshops

Dy. Chief Mech. Engineer (W), Ajmer, R. Krishnaswamy, Inter Science (Bom.) A.M.I. Mech.E.

Works Manager (L), Ajmer, C. H. Sadarangani, Grad-I.E.E.

Works Manager (C), Ajmer, S. K. Moitra, B.Sc. (Engg.).

Works Manager (L), Dohad, R. M. Patel, M.E. (Cornel).

Production Engineer, Dohad, S. K. Dar.

Works Manager (C), Parel, E. S. Muthukrishna.

TRANSPORTATION (TRAFFIC) & COMMERCIAL DEPARTMENT

Chief Operating Supdt., Bombay, S. A. Yusoo.

Chief Commercial Supdt., Bombay, D. Jehangir.

Dy. Chief Operating Supdt., Bombay, C. G. Rees.

Dy. Chief Commercial Supdt., Bombay, B. N. Wahal, B.A. (Lucknow) (General); T. L. Colaco (Claims).

Road Superintendent, Bombay, Rajkumar Ajitsingh.

Personal Assistant to C.O.P.S., Bombay, S. J. Crewe.

Senior Transportation Officer (Goods), Bombay, P. C. Mathew, B.A. (Hons.) (Madras).

Senior Commercial Officers, Bombay, J. E. Castelline, B.A. (Bombay), B.Sc. (Econ. Lond.), F.R.R.S. (England) (General); G. F. Vellozo, B.Sc. (Hon.) (Bom.) (Rates); V. R. Kewalramani, M.A., LL.B. (Bom.), B.Sc. (Econ.) (Lond.) (Claims).

Assistant Transportation Officers, Bombay, H. A. Fido; Raj Narain. Goods Supdt., Carnac Bridge, D. A. Little.

Bombay Region

Regional Traffic Supdt., Bombay Central, N. C. Hoon, B.A. (Hons.) (Lahore).

Personal Assistant to R.T.S., P. K. Anantnarayanan B.A. (Hons.) (Madras).

Dist. Traffic Supdts., I. L. Butterfield (Grant Road); S. P. Patel, B.A. (Hons.) (Bom.), B.Sc. (Econ.) (Lond.) Bar-at-Law (Bulsar); Capt. R. Srinivasan, B.Sc. (Ahmedabad); B. M. Trivedi (Pratapnagar); S. G. Samant, M.Sc. (Bom.) (Railam); R. Sampath, B.A. (Kotah).

Ajmer Region

Regional Traffic Supdt., Ajmer, D. R. Khanna.

Personal Assistant to R.T.S., A. G. Kennedy.

Dist. Traffic Supdts., K. P. Junarkar, B.A. (Bom.) (Abu Road); P. Jaswant Singh (Mhow); K. Jankiraman, B.A. (Hon.) (Madras) (Bandikui); V. Kulandavelu, B.A. (Hons.) (Madras) (Jaipur).

Assistant Traffic Supdts., Raghubir Singh (Udaipur); M. L. Gupta, B.A. (Hon.) (Gandhidham); A. H. Khan, B.A. (Hon.) (Mehsana).

Supdt., Rly. Training School, Ajmer, W. H. A. Green.

Gondal Region

Regional Traffic Supdt., Gondal, D. D. Sethna, B.A. (Bom.)

Personal Asstt. to R.T.S., N. S. Desai, B.A. (Hon.).

Dist. Traffic Supdts., R. K. Madhvsinghji, M.A. (Cantab.), M.Sc. (Jamnagar); A. R. Ambani (Jamnagar); V. J. Daftari, B.A., LL.B. (Bhavnagar).

Watch & Ward Department

Supdt., Watch & Ward, Mahalaxmi, Major H. L. Finnimore.

Asstt. Supdts., Watch & Ward, Mahalaxmi, J. J. Billimoria (Mahalaxmi); Gurdayal Singh (Junagadh); Narain Singh (Ajmer).

STORES DEPARTMENT

Controller of Stores (Bombay), A. R. Sarin.

Dy. Controller of Stores (Bombay), M. Khalid, B.Sc. (Lond.), A.C.G.I.

Dist. Controller of Stores, K.D. Section (C), Bombay, D. V. Phatarpekar, B.E.

Dist. Controllers of Stores, N. C. Killawala, B.Sc., A.M.I.E. (India), G. I. Mech. E. (London) (Bombay); V. N. Agharkar, B.E. (Mech.) (Mahalaxmi); P. N. Zutshi, B.Sc. (Lond.), A.C.G.I., A.M.I.E. (India) (Ajmer); F. J. Vachha, B.A., B.E., B.Sc. (Lond.), A.M.I. Struc. E., A.M.I. Mech.E. (Bhavnagar Para); Sundershanall, B.A., B.Sc., D.I.S.C., A.I.R.E. (Bhavnagar Para.).

MEDICAL DEPARTMENT

Chief Medical Officer, Bombay, Dr. C. H. H. Robertson, M.R.C.S., L.R.C.P., D.T.M. & H. (Lond.), D.P.H. (Camb.).

Dist. Medical Officers, Bombay, Dr. R. C. Vevaina, M.B.B.S. (Bom.); L.R.C.P. (Lond.), M.R.C.S. (Eng.), D.T.M. & H. (Lond.) (Bombay); Dr. H. E. Vakil, M.B.B.S. (Bombay) (Bulsar); Major Banwarilal, M.B.B.S. (Dohad); Dr. Bhawani Shankar, M.B., Ch.B. (St. Andrews) (Ajmer); Dr. H. N. Dewan, M.B.B.S. (Bom.), D.O.M.S. (Lond.), D.P.H. (Lond.) (Abu Road); Dr. K. C. Trivedi, M.B.B.S. (Bom.), D.T.M. (Cal.) (Bhavnagar Para.).

RAINFALL OF BOMBAY COLABA OBSERVATORY

Year	May	June	July	August	September	October	November	Yearly Total	Number of Rainy Days in the year	Maximum fall in one day
1880..	0-00	21-48	18-37	4-08	22-80	1-18	0-00	67-84	109	8-20
1881..	0-36	16-29	29-47	19-06	4-56	4-17	0-09	73-04	113	11-30
1882..	0-02	13-64	26-94	3-36	10-08	1-12	0-03	69-23	123	10-18
1883..	0-33	17-65	39-88	12-67	12-87	10-40	0-86	90-18	128	6-86
1884..	0-00	13-25	25-87	16-29	17-04	2-22	0-60	75-44	110	7-87
1885..	0-02	6-11	21-81	26-42	12-01	3-54	0-00	76-91	113	10-29
1886..	0-00	4-45	35-79	10-69	6-54	1-09	0-01	99-74	112	16-10
1887..	0-09	24-07	30-08	17-69	18-23	2-79	1-02	94-66	112	7-84
1888..	0-00	19-89	30-45	10-32	2-71	3-80	0-00	67-84	103	4-66
1889..	0-06	24-55	21-64	10-61	6-45	0-68	1-25	66-18	116	4-61
1890..	0-11	13-39	32-48	6-94	22-53	1-04	0-00	77-18	100	5-82
1891..	0-04	10-85	15-89	16-90	2-60	0-00	0-00	46-51	92	4-78
1892..	0-43	10-79	25-77	9-70	3-09	0-65	0-62	54-05	87	7-86
1893..	0-00	25-81	33-58	3-47	6-75	2-55	0-00	70-66	94	6-50
1894..	0-00	16-69	31-12	12-44	21-03	0-01	0-13	81-62	114	6-98
1895..	0-36	40-10	23-65	17-19	14-59	4-79	0-72	66-06	100	11-41
1896..	0-07	23-65	25-10	17-19	14-59	4-79	0-72	66-06	123	7-00
1897..	0-88	16-33	12-01	4-31	33-27	10-11	0-00	99-76	134	6-96
1898..	11-17	10-65	4-31	4-80	3-06	0-00	0-09	35-54	94	4-98
1899..	0-00	23-35	24-40	10-93	8-16	1-40	0-18	68-32	108	8-74
1900..	0-03	23-92	4-58	10-37	13-13	0-34	0-00	41-05	101	5-61
1901..	0-00	26-79	35-67	10-37	13-13	0-34	0-00	86-02	101	7-68
1902..	0-00	26-03	31-00	6-15	7-43	0-00	0-00	70-66	111	6-60
1903..	0-00	8-06	41-88	8-33	18-32	0-00	0-00	77-66	90	11-03
1904..	0-00	7-46	16-76	15-42	12-12	0-06	0-00	62-19	101	3-12
1905..	3-83	26-86	8-31	7-71	3-55	0-19	0-37	60-62	109	7-64
1906..	0-10	6-81	14-08	6-59	5-30	7-25	6-48	74-88	123	8-21
1907..	0-00	36-52	14-08	6-59	5-30	7-25	6-48	74-88	123	7-10
1908..	0-00	28-46	30-24	16-69	9-81	0-09	0-09	85-73	109	8-96
1909..	0-00	27-48	9-61	6-60	43-77	2-50	0-00	89-88	83	21-69
1910..	0-02	27-48	9-61	6-60	43-77	2-50	0-00	89-88	83	21-69
1911..	0-57	7-66	46-94	22-69	4-53	13-02	2-40	97-84	111	10-06
1912..	3-23	10-64	36-47	17-26	11-13	9-01	0-07	73-66	106	5-82
1913..	0-00	8-91	16-09	12-14	12-42	3-23	0-01	62-87	116	5-85
1914..	0-00	29-06	22-74	12-14	12-42	3-23	0-01	62-87	116	5-85
1915..	0-00	28-14	23-70	16-71	11-83	1-04	0-18	81-62	99	7-00
1916..	0-34	32-02	8-13	9-23	6-73	0-00	2-81	68-43	113	6-00
1917..	0-00	18-32	80-42	6-46	14-20	1-77	0-00	70-16	109	3-66
1918..	1-29	31-24	16-06	10-77	16-10	1-13	0-16	82-01	124	7-13
1919..	0-98	18-31	23-64	15-22	40-01	1-35	0-00	108-51	124	26-98
1920..	0-18	11-22	23-82	3-39	21-50	1-38	0-06	61-60	83	5-87
1921..	1-68	20-25	35-11	8-56	1-74	2-71	0-11	70-41†	108	5-11
1922..	0-00	23-69	27-61	6-82	3-05	2-26	0-00	63-33	87	7-06
1923..	0-00	32-59	30-99	12-99	4-59	3-24	0-00	83-57	103	8-35

* A rainy day is one on which 0-01" of rain or more has fallen. † There were also a few showers in March and April.

GREATER BOMBAY STREETS

Showing Police Jurisdiction

ABDUL REHMAN STREET

BOMBAY No. 3

(Jurisdiction : Princess St. Section Police Station)

[From Carnac Road and Hornby Road to Kalbadevi & Ibrahim Rahimtoola Roads]

These are the cross roads :

WEST SIDE

Pinjari Street
Janfikar Street
Sutar Chawl Street
Shamsel Street and the end of Bangri Bazar
Mirza Street
Agiary Cross Street
Musjid Bunder Road
Nakhoda Street
Kalbadevi and Ibrahim Rahimtoola Roads

(Jurisdiction : Pydhonie Police Station)

EAST SIDE

[From Pydhonie to Carnac Road]

These are the cross roads :

Kolsa Cross Lane
Nakhoda Street
Tava Lane
Musjid Bunder Road
Ribijan Street
Narayan Dhuru Cross Lane
Nagdevi Cross Lane
Bhajipala Street
Janfikar Street
Pinjari Street
Carnac & Hornby Roads

ADAM STREET

BOMBAY No. 1

(Jurisdiction : Colaba Police Station)

[From Apollo Pier Road to Lansdowne Road]

ALEXANDRA ROAD

BOMBAY No. 7

(Jurisdiction : Gamdevi Police Station)

[From Gamdevi Road to Owen Dunn Road]

These are the cross roads :

EAST SIDE

A Lane
Harvey Road
A Lane
Owen Dunn Road

WEST SIDE

Harvey Road
A Lane
Gamdevi Road

ALTAMONT ROAD

BOMBAY No. 28

(Jurisdiction : Gamdevi Police Station)

[From Hermitage Pass]

Altney Road is a cross road on the South Side.

AMBOLI ROAD

(Jurisdiction : Andheri Police Station)

[From Ghodbunder Road to Amboli Village]

These are the cross roads :

SOUTH SIDE

A Small Lane
Amboli Village

NORTH SIDE

A Small Lane
Ghodbunder Road

ANANDRAO NAIR ROAD

[Formerly known as Lamington Road (North)]

BOMBAY Nos. 8 & 11

(Jurisdiction : Nagpada & Agripada Police Stations)

[From Bellasis Road to Arthur Road]

(Jurisdiction : Nagpada Police Station)

These are the cross roads :

EAST SIDE

Club Road
Souter Street

(Jurisdiction : Agripada Police Station)

Cirrus Avenue
Wylie Street
Gell Street
Arthur Road

WEST SIDE

Dr. Nair Road
Jetha Street
A New Road
Bellasis Road

ANNIE BESANT ROAD (DR.)

BOMBAY No. 18

(Jurisdiction : DeLisle Rd. and Dadar Police Stations)

[From Cadell Road to Hornby Vellard]

(Jurisdiction : DeLisle Rd. Police Station)

These are the cross roads :

EAST SIDE

A new Road
A new Road
A new Road
A new Road
A new Road
Private Roads
D D. Chawl Worli Road, Fergusson Road and Haines Road
A Street
Hornby Vellard

WEST SIDE

Abdul Gafoor Road

(Jurisdiction : Dadar Police Station)

These are the cross roads :

Worli Sluice and Old Prabhadevi Roads
Cadell Road

ANSTEY ROAD

BOMBAY No. 20

(Jurisdiction : Gamdevi Police Station)

[From Altamont Road]

APOLLO PIER ROAD

BOMBAY No. 1

(Jurisdiction : Colaba Police Station)

(Known as Apollo Bunder Road)

[From Colaba Causeway to Gateway of India]

These are the cross roads :

SOUTH SIDE

Battery Street
Stevens Street
Adam Street

NORTH SIDE

Private Road to P.O. Stables
Lord Hardings's Statue

APOLLO STREET

BOMBAY No. 1

(Jurisdiction : Palton Road Police Station)

[From Old Customs House Road on the South to Hornman Circle on the North]

These are the cross roads:

EAST SIDE

Custom House Road
Marine Street
Green Street

WEST SIDE

Rampart Row
Apollo St. Cross Lane
Forbes Street
British Hotel Lane
Dalal Street
Humam Street
Bruce Street
Hornman Circle

ARGYLE ROAD

BOMBAY No. 9

(Jurisdiction : Pydhonie and Dongri Police Stations)

[From Carnac Bunder Bridge to Dongri Bridge]

(Jurisdiction : Pydhonie Police Station)

These are the cross roads :

WEST SIDE

Ahmedabad Street
Bhandari Bridge
Baroda Street
Itola Street
Broach Street
Surat Street
Musjid Siding Road
Musjid Bridge
Clive Road
Kurla Street
Masjid Siding Road

(Jurisdiction : Dongri Police Station)

Thana Street
Kalyan Street
Poona Street
Sholapur Street
Raichur Street

EAST SIDE

Raichur Street
Sholapur Street
Poona Street
Kalyan Street
Thana Street

(Jurisdiction : Pydhonie Police Station)

Musjid Siding Road
Kurla Street
Musjid Bridge Road
Surat Street
Broach Street
Baroda Street
Ahmedabad Street
Carnac Siding Road
Frere Road
Carnac Bridge

ARTHUR BUNDER ROAD

BOMBAY No. 5

(Jurisdiction : Colaba Police Station)

[From Colaba Causeway to Strand Road]

These are the cross roads :

SOUTH SIDE

A Lane
A Lane
A Lane

NORTH SIDE

Strand Road

ASH LANE

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[From Mahatma Gandhi Road to Meadows Street]

ATMARAM MERCHANT ROAD (DR.)

[Formerly Known as Cathedral Street]

BOMBAY No. 2

(Jurisdiction : Princess St. Police Station)

[From Bhuleshwar Road to Dadishe Agiary Street]

These are the cross roads :

WESTAnantwadi
Bhasker Lane
Bhuleshwar Road**BABULA TANK ROAD**

BOMBAY No. 9

(Jurisdiction : Dongri and Byculla Police Stations)

[From Ibrahim Rahimtoola & Victoria Garden Roads to Jail Road East & Mazagon Road]

(Jurisdiction : Dongri Police Station)

These are the cross roads :

SOUTH SIDEBabula Tank Cross Lane
Jail Road, North
Umerkhadi Road
Jail Road, East

(Jurisdiction : Byculla Police Station)

NORTH SIDEByramji Hall Lane
Mazagon Road**BABULNATH ROAD**

BOMBAY No. 7

(Jurisdiction : Camdevi Police Station)

[From Chowpatty Sea Face on the West to Hughes Road on the East]

These are the cross roads :

WEST SIDEParses Panchayet's Private Road
Road to Runchorji's Temple
A Lane to Malabar Hill
A Lane joining Dadysett Road
Chowpatty Band Stand
Dadysett Road and Walkeshwar Road**EAST SIDE**Babulnath 8rd Cross Road
Babulnath 2nd Cross Road
Babulnath 1st Cross Road
Chowpatty Road
Hughes Road**BAKEHOUSE LANE**

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[Forbes Street to Rampart Row]

These are the cross roads :

EAST SIDEBakehouse Cross Lane
Forbes Street**BALLARD ROAD**

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[From Mint Road to Ballard Pier]

These are the cross roads :

NORTH SIDENicol Road
Sprott and Dougall RoadsGraham Road
Willst Road**BANK STREET**

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[Horniman Circle to Custom House Road]

These are the cross roads :

WEST SIDEGreen Street
Bank Street Cross Lane
Marine Street**EAST SIDE**

Green Street

BAPU KHOTE STREET

BOMBAY No. 3

(Jurisdiction : Pydhonie, Mahabourai Police Stations)

[From Kalbadevi Road (Pydhonie) to Erskine Road]

These are the cross roads :

EAST SIDEBapu Khote Cross Street
Banian Street
Jemati Curay Road
Musjid Street
Erskine Road**WEST SIDE**Panjrapole Road
Banian Road
Bapu Khote Cross Lane
Kalbadevi Road, Pydhonie**BASTION ROAD**

BOMBAY No. 1

(Jurisdiction : Esplanade Police Station)

[From Cannon Lane to Murzban Road]

These are the cross roads :

WEST SIDENapier Road
A Small Lane
Outram Road
Home Street
Wallace Street
Ravelin Street
Murzban Street**EAST SIDE**Napier Road
Outram Road
Home Street
Wallace Street
Ravelin Street**BATTERY STREET**

BOMBAY No. 1

(Jurisdiction : Colaba Police Station)

[Apollo Pier Road to Lansdowne Road]

BAZAR GATE STREET

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[From Fort Street to Horniman Circle]

These are the cross roads :

EAST SIDEManordas Street
Dwarkanadas Lane
Chana Street
Agiary Lane
Modi Street Cross Lane
Sir Phirozshah Mehta Road
Mint Road (Horniman Circle)**WEST SIDE**Manordas Street
Dwarkanadas Lane
Chana Street
Agiary Lane
Gunbow Street
Sir Phirozshah Mehta Road
Store Lane
Horniman Circle**BELL LANE**

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[Mahatma Gandhi Road to Meadows Street]

BELLASIS ROAD

BOMBAY No. 8

(Jurisdiction : Nagpada Police Station)

[From Duncan Road to Lamington Road South & Bellasis Bridge]

These are the cross roads :

SOUTH SIDESunkerrao Pupala Road
15th Kamatipura Street
Foras Road
Sukhlaji Street
Bellasis Chawl Road No. 1
Lamington Road South and Bellasis Bridge**NORTH SIDE**Morland Road
Lamington Road South and Bridge**BHAJIPALA STREET**

BOMBAY No. 3

(Jurisdiction : Pydhonie Police Station)

[From Sheriff Dewjee Street to Abdul Rahman Street]

These are the cross roads :

SOUTH SIDEBhajipala Cross Lane
Mahomedali Road
Nagdevi Street
Sarang Street
Abdul Rahman Street**NORTH SIDE**Nagdevi Street
Mahomedali Road
Dhobi Street
Sheriff Dewjee Street**BHALCHANDRA ROAD (SIR)**

BOMBAY No. 4

(Jurisdiction : Kingway Police Station)

[From Dadar Central Station to Chandavarkar Road, King's Circle, Matunga]

These are the cross roads :

WEST SIDEVincent Square Street No. 1
Tilak Bridge
D. V. Pradhan Road
Hindu Colony Road No. 2
Hindu Colony Road No. 3
Hindu Colony Road No. 4
Hindu Colony Road No. 5
Khareghat Road
Hindu Colony Road No. 6
A Road
A Road
Bhalchandra Cross Road No. 2
Gymkhana Road
Deodhar Road
Sir Bhalchandra Road No. 3
Bhimant Street

EAST SIDE

Chandavarkar Road
Doodhar Road
Lady Jehangir Road
Khareghat Road
Tilak Bridge

BHAU DAJI ROAD

BOMBAY No. 19

(Jurisdiction : Kingsway Police Station)

[From Brahmanwada Road to Vincent Road]

These are the cross roads :

EAST SIDE

Schema No. 6, Road No. 5
Schema No. 6, Road No. 8
Schema No. 6, Road No. 9
Schema No. 6, Road No. 11
Shradhanand Road
Mahilashram Road
Vincent Road

WEST SIDE

Shradhanand Road
Telang Road
Scheme No. 6, Road No. 4
Brahmanwada

BHAWANI SHANKAR ROAD

BOMBAY No. 14

(Jurisdiction : Dadar Police Station)

[From Portuguese Church Street to Gokhale Road]

These are the cross roads :

EAST SIDE

A Lane
A Lane
Delisle Road

WEST SIDE

Gokhale Road
A Street
A Lane
Portuguese Church
A Lane

BHULABHAI DESAI ROAD

BOMBAY No. 26

(Jurisdiction : Camdevi Police Station)

[From Nepean Sea Road and Gowalia Tank Road to Hornby Vellard, Clerk and Tardeo Roads]

These are the cross roads :

WEST SIDE

Hornby Vellard, Clerk & Tardeo Roads

EAST SIDE

Jairazbhoy Lane
A Private Road
A Lane
Navroji Gamadia Road
Pedder Road

BHULESHWAR ROAD

BOMBAY No. 2

(Jurisdiction : Princess Street Police Station)
[From Kalbadevi Road (Mumbadevi) to Vithalbhai Patel and Thakurdwar Roads]

These are the cross roads :

SOUTH-EAST SIDE

2nd Fopahwadi (Bhuleshwar)
3rd Fopahwadi Lane
Panchayat Wadi
Dr. Atmaram Merchant Street
Kumbhar Tukda Lane

(Jurisdiction : Maharbourie Police Station)
Vithalbhai Patel Road and Thakurdwar Road

SOUTH-WEST SIDE

Pinjrapole Road
Maruti Lane (Full Gull) & 3rd
Bhoiwada Lane.
2nd Bhoiwada Lane
Bhoiwada 1st Lane
Kalbadevi Road (Mumbadevi)

BOMANJI MASTER ROAD

BOMBAY No. 2

(Jurisdiction : Esplanade Police Station)

[From Kalbadevi Road to Girgaum Road]

BOMANJI PETT ROAD

BOMBAY No. 20

(Jurisdiction : Camdevi Police Station)

[From Gowalia Tank Road to Bhulabhai Desai Road]

These are the cross roads :

WEST SIDE

Bhulabhai Desai Road

EAST SIDE

Gowalia Tank Road

BORAH BAZAR STREET

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[From Gunbow Street to Fort Street]

These are the cross roads :

WEST SIDE

Gunbow Street
Maruti Lane
Police Court Lane
Jijibhai Dadabhoy Lane
Borah Musjid Street
King Lane
Mangesh Senoi Street
Fort Street

EAST SIDE

Agriary Lane
Chana Street
Dwarkanadas Street
Manordass Street

BRITISH HOTEL LANE

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[From Apollo Street]

BRUCE STREET

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[From Mahatma Gandhi Road to Apollo Street]

These are the cross roads :

SOUTH SIDE

Dean Lane
Tamarind Lane
Apollo Street

NORTH SIDE

Armenian Lane
Tamarind Lane

BURROW ROAD

BOMBAY No. 1

(Jurisdiction : Colaba Police Station)

[From Merweather Road to Colaba Causeway]

These are the cross roads :

SOUTH SIDE

Merweather Road
Colaba Causeway

NORTH SIDE

Colaba Causeway

BYCULLA STATION ROAD

BOMBAY No. 11

(Jurisdiction : Agripada Police Station)

[From Ripon Road to DeLisle Road]

These are the cross roads :

SOUTH SIDE

Milk Street
Haines Road
Ripon Road

NORTH SIDE

Haines Road
Pala Street
DeLisle Road

CADELL ROAD

BOMBAY No. 28

(Jurisdiction : Dadar & Mahim Police Stations)

[From Dr. A. B. Road to Mahim Causeway]

(Jurisdiction : Dadar Police Station)

These are the cross roads :

WEST SIDE

Kashinath Dhuru Road to Sea-beach
A Private Road
Cemetery No. 45, Worli—Hindus
Ranade Road Extension

(Jurisdiction : Mahim Police Station)

Keluskar Road South to Sea-beach
Keluskar Road North to Sea-beach
Shivaji Park Road No. 2
Shivaji Park Road No. 5, East
to Sea-beach
A Small Lane
A Small Lane
A Lane to Mosque
A Lane to Mahim Fort
Mahim Causeway

[From Old Prabhadevi Road]

These are the cross roads :

EAST SIDE

(Jurisdiction : Dadar Police Station)

Kashinath Dhuru Road
Ash Lane
Ranade Road Extension

(Jurisdiction : Mahim Police Station)

Shivaji Park Road No. 1
Keluskar Road South
Keluskar Road North
Shivaji Park Road No. 2
Shivaji Park Road No. 5
Lady Hardings Road
Sitadevi Temple Road
A Road
Kopad Bazar Lane
A Road
A Lane

CALICUT STREET

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[From Nicol Road to Frere Road]

These are the cross roads :

NORTH SIDE

Frere Road

SOUTH SIDE

Frere Road

CARMICHAEL ROAD

BOMBAY No. 28

CUMBALLA HILL

(Jurisdiction : Camdevi Police Station)

[From Pedder Road]

CARNAC ROAD

BOMBAY NO. 2

(Jurisdiction : Esplanade Police Station)
[From Cruickshank and Kalbadevi Roads to
Frere Road]

These are the cross roads :

SOUTH SIDE

Cruickshank Road
Hornby Road

(Jurisdiction : Palton Rd. Police Station)

Palton Road
Musafarkhana Road
Carnac South Street
Frere Road

NORTH SIDE

(Jurisdiction : Pydhonie Police Station)

Madhavrao Rokade Street
Kazi Sayed Street
Sree Raghunath Maharaj Street
Old Bengulpura Street
Sheriff Dewjee Street
Mahomedali Road
Nagdevi Street
Pinjari Street
Sarang Street
Abdul Rehman Street
Sheikh Memon Street
New Lohar Street
Mangaldas Road
Patak Wadi Road
Pickell Road
Kalbadevi & Cruickshank Roads

CATHEDRAL STREET

[See Atmaram Merchant Rd. (Dr.)]

CAWASJI PATEL STREET

BOMBAY NO. 1

(Jurisdiction : Palton Rd. Police Station)
[Vir Nariman Street to Gunbow Street]

These are the cross roads :

WEST SIDE

Banaji Street
Ghoga Street
Nadirshaw Sukhia Street
Sir Phirozshah Mehta Road
Gunbow Street

EAST SIDE

Ghoga Street
Nadirshaw Sukhia Street
Sir Phirozshah Mehta Road
Gunbow Street

CHARNI ROAD

BOMBAY NO. 4

(Jurisdiction : Mahabourai Police Station)

These are the cross roads :

SOUTH SIDE

[From Queen's Road to Grant Road]
Goregaumkar Lane
Girgaum Road
Vithalbhai Patel Road

(Jurisdiction : Lamington Rd. Police Station)

Sardar Vallabhbhai Patel Road
Khetwadi Main Road
Khetwadi Back Road
Grant Road

NORTH SIDE

Jaibhai Street
Powvalla Street
Charni Road Cross Lane
Tribhuvan Road
Parakh Street
Sardar Vallabhbhai Patel Road
Vithalbhai Patel Road
Girgaum Road
Tata Road No. 2
Queen's Road

CHAUPATI ROAD

BOMBAY NO. 7

(Jurisdiction : Gamdevi Police Station)
[From Babulnath Road, Dadysett Road &
Babulnath 1st Cross Lane to French Road]

These are the cross roads :

NORTH SIDE

Harvey Road
Hawankhant Lane
French Road

SOUTH SIDE

Harvey Road
French Road

CHAUPATI SEA FACE

BOMBAY NO. 7

(Jurisdiction : Gamdevi Police Station)
[From Walkeshwar Road to Western Railway
Crossing, Charni Road]

These are the cross roads :

NORTH SIDE

Walkeshwar, Dadysett & Babulnath
Roads
Lane to Babula Tank Road
Harvey Road
French Road
Sardar Vallabhbhai Patel Bridge
Private Lane
Level-Crossing of Western Rly.
Netaji Subhas Road

SOUTH SIDE

Narsi Natha Street

CHINCH BUNDER 1st ROAD

BOMBAY NOS. 9 & 3

(Jurisdiction : Dongri and Pydhonie
Police Stations)
[From Elphinstone Bridge Cross Lane to
Kambekar Street]

(Jurisdiction : Dongri Police Station)

These are the cross roads :

NORTH SIDE

Kessouji Naik Street
Dongri Street
Samuel Street
Tantapur Street
Nishanpada Road
Tandel Street
Jakeria Masjid Street
Kambekar Street

(Jurisdiction : Pydhonie Police Station)

SOUTH SIDE

Jakeria Masjid Street
Dontad Street
Nishanpada Road
Tantapur Street
Samuel Street
Narsi Natha Street
Chinch Bunder Road
Elphinstone Bridge Cross Lane

CHINCH BUNDER ROAD

[Now called Maheshwar Road (Dr.)]

BOMBAY NO. 9

(Jurisdiction : Dongri Police Station)
[Narsi Natha Street (Mandvi) to Masgaon
Road and Jail Road (East)]

These are the cross roads :

WEST SIDE

Chinch Bunder 1st Road
1st Flank Road
2nd Flank Road
Sardar Vallabhbhai Patel Road
Road No. 1 Nowroji Hill

Road No. 2 Nowroji Hill
Road No. 4 Nowroji Hill
Road No. 5 Nowroji Hill
Road No. 7 Nowroji Hill
Road No. 9 Nowroji Hill
Masgaon Road and Jail Road East

EAST SIDE

Road No. 11E Nowroji Hill
Road No. 11D2 Nowroji Hill
Road No. 11D1 Nowroji Hill
Road No. 11C Nowroji Hill
Road No. 11B Nowroji Hill
Road No. 11A Nowroji Hill
Dongri Bridge
Chinch Bunder Road B
Chinch Bunder Road A
Chinch Bunder 1st Road
Narsi Natha Street

CHINCHPOKLI ROAD

BOMBAY NO. 12

(Jurisdiction : Kalachowki Police Station)
[From Parel Chawl Road to Arthur Road]

These are the cross roads :

NORTH-WEST SIDE

Kala Chonki Road

SOUTH-EAST SIDE

Albert Road
Chinchpokli Cross Lane
Parel Chawl Road
Library Street
Akshikar Street

CHURCHGATE STREET

[See Vir Nariman Street]

CLARE ROAD

BOMBAY NO. 8

(Jurisdiction : Nagpada Police Station)
[Between Old Parsi Statue and Byculla Bridge]

These are the cross roads :

WEST SIDE

Lane to Ripon Road
A Small Lane
Sankli Street

EAST SIDE

New Nagpada Road
Shepherd Road
Christ Church Road
Victoria Gardens Road

CLUB BACK ROAD

BYCULLA, BOMBAY NO. 8

(Jurisdiction : Nagpada Police Station)
[From Souter Street to Morland Road]

These are the cross roads :

NORTH SIDE

Reynold's Road
Riesch Street
Morland Road

SOUTH SIDE

Club Cross Road
Morland Road

CLUB ROAD

BYCULLA, BOMBAY NO. 8

(Jurisdiction : Nagpada Police Station)
[From Lamington Road to Morland Road]

These are the cross roads :

NORTH SIDE

Club Cross Road
Morland Road

COLABA CAUSEWAY

BOMBAY No. 1

(Jurisdiction : Colaba Police Station)
[From Colaba Road to Apollo Bunder Road]

These are the cross roads :

EAST SIDE

Arthur Bunder Road
Garden Road
Wallon Road
Henry Road
Barrow Road
Ormiston Road
Mandlik Road
Novroji Fardunji Road
Lansdowne Road
Apollo Bunder Wodehouse Roads

WEST SIDE

Ormiston Street
Convent Street

COLABA ROAD

BOMBAY No. 1

(Jurisdiction : Colaba Police Station)
[From Colaba Point to Colaba Causeway]

These are the cross roads :

WEST SIDE

Gate to Colaba Military Camp
Windy Hall Lane
Wodehouse Road
Colaba Cross Lane
Kilridge Road
3rd Pusta Lane
2nd Pusta Lane
1st Pusta Lane
Colaba Causeway

EAST SIDE

Sassoon Dock Road
Dumayne Road
Victoria Bunder Road
Hormuzji Street
Borah Cross Lane
Hamal Street
Lulu Nigam Road
Colaba Causeway

CONNAUGHT ROAD

BOMBAY No. 10

(Jurisdiction : Byculla Police Station)
[From Victoria Gardens Road to Reay Road]

These are the cross roads :

NORTH SIDE

Sussex Road
Ghorupdeo Road
Connaught Cross Road
Reay Road

SOUTH SIDE

Ghorupdeo Road
Connaught Cross Road
Reay Road

CONVENT STREET

BOMBAY No. 1

(Jurisdiction : Colaba Police Station)
[From Wodehouse Road to Colaba Causeway]**COOPERAGE ROAD**

BOMBAY No. 1

(Jurisdiction : Colaba Police Station)
[From Mayo Road to Wodehouse Road]

These are the cross roads :

EAST SIDE

Wodehouse Road

WEST SIDE

Wodehouse Road

COWASJI HORMASJI STREET (DR.)

BOMBAY No. 2

(Jurisdiction : Esplanade Police Station)
[From Girgaum Road to Queen's Road]

These are the cross roads :

SOUTH SIDE

Trinity Street
Adamji Peerbhai Market
Fish Market Lane
Sorabji Santuk Lane
Dady Santoke Lane
Lohar Street Cross Lane
Dhuswadi (Dhobi Talao)
Queen's Road

NORTH SIDE

Chandanwadi Lane
Chandanwadi Lane
Charniwadi Lane
Girgaum Road

CRUICKSHANK ROAD

BOMBAY No. 1

(Jurisdiction : Esplanade Police Station)
[From Dhobi Talao to Hornby Road]

These are the cross roads :

EAST SIDE

Gymnasium Road
Council Road

CUFFE PARADE

BOMBAY No. 5

(Jurisdiction : Colaba Police Station)
[From Wodehouse Bridge to Military Barracks]

These are the cross roads :

NORTH SIDE

Kilridge Road
Fazul Road
Khatau Road
Panday Road

CURRIMBOY ROAD

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)
[From Nicol Road to Sprott Road]**CUSTOM HOUSE ROAD**

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)
[From Hornman Circle to Apollo Street]

These are the cross roads :

WEST SIDE

Green Street
Bank Street
Marine Street
Apollo Street

EAST SIDE

Apollo Street

DADABHOY ROAD

BOMBAY No. 23 & 24

(Jurisdiction : Santa Cruz Police Station)
[From Juhu Road to Linking Road]

These are the cross roads :

EAST SIDE

Cross Lane
A Lane
Cross Lane
Cross Lane

South Avenue Road
Linking Road

WEST SIDE

Cross Lane
Cross Lane
A Small Lane
Cross Lane
Juhu Road

DADABHOY NAOROJI ROAD

(See Hornby Road)

DADAR MAIN ROAD

BOMBAY No. 14

(Jurisdiction : Bhoiwada Police Station)
[From Suparibagh Road to Koliwada Road and Vincent Road]

These are the cross roads :

EAST SIDE

St. Xavier's Street
Road No. 10, Naigaum
A Lane
Govindji Keri Road
Vincent Road
Dadasaheb Phalke Road

WEST SIDE

A Lane
Here are Elphinstone Rd. &
Suparibagh Road

DADAR ROAD

BOMBAY No. 14

(Jurisdiction : Dadar Police Station)
[From Railway Cross Bridge to Portuguese Church St.]**SOUTH SIDE**

A Street
Bhawani Shankar Road

NORTH SIDE

Portuguese Church Street
Station Road

DADASAHEB PHALKE ROAD

BOMBAY No. 14

(Jurisdiction : Bhoiwada Police Station)
[From Dadar Main Road, Vincent Road and Koliwada Road to Dadar Railway Station]

These are the cross roads :

EAST SIDE

A Street
Goculdas Pasta Road
Naigaum Cross Road

WEST SIDE

Dadar Cross Road
Dadar Main Road

DADI SHET AGIARY STREET

BOMBAY No. 2

(Jurisdiction : Princess St. Police Station)
[From Kalbadevi to Girgaum]

These are the cross roads :

NORTH SIDE

Khanderao Wadi
Malharrao Wadi
Assembly Lane
Dr. Atmaram Merchant Road
Fanarwadi Lane
Fanarwadi 2nd Lane
Girgaum Road

SOUTH SIDE

Cavel Street
Cavel Cross Lane No. 2
Cavel Cross Lane No. 3
Cavel Cross Lane No. 4
Kalbadevi Road

DADYSETT ROAD

BOMBAY No. 7

(Jurisdiction : Camdevi Police Station)

[From Babulnath Road to Walkeshwar Road]

These are the cross roads :

WEST SIDE

Dadyseth 2nd Cross Lane
Walkeshwar Road

EAST SIDE

Babulnath Road

DALAL STREET

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[From Apollo Street to Meadows Street]

These are the cross roads :

NORTH SIDE

Meadows Street

SOUTH SIDE

Meadows Street

DEAN LANE

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[From Hiamam Street to Tamarind Lane]

These are the cross roads :

WEST SIDE

Tamarind Lane

EAST SIDE

Tamarind Lane

DELISLE ROAD

BOMBAY No. 8

(Jurisdiction : DeLisle Rd. & Agripada Police Stations)

[From Haines Road to New Parbhadevi Road and Elphinstone Road]

(Jurisdiction : Agripada Police Station)

These are the cross roads :

WEST SIDE

Byculla Station Road
1st DeLisle Road Cross Lane
Clerk Road

(Jurisdiction : DeLisle Rd. Police Station)

Arthur Road

A Lane

A Lane

A Lane

DeLisle Road Bridge

Ferguson Road

Tulsi Pipe Road

Globe Mill Passage

New Parbhadevi & Elphinstone Roads

EAST SIDE

Tulsi Pipe Road

Carroll Road

Central Rly. Store Lane

Currey Road Low Level Road, North

Currey Road Overbridge

Currey Road Low Level Road, South

Arthur Road

(Jurisdiction : Byculla Police Station)

Garden Bridge Road

Haines Road

DIMTIMKAR ROAD

BOMBAY No. 8

(Jurisdiction : Nagpada Police Station)

[From Victoria Gardens Road to Bellasis Road]

These are the cross roads :

SOUTH SIDE

Sheikh Buran Kamudin Street
Temkar Street
Huzeria Street

Mustan Tank Cross Lane

Tank Street

Bellasis Road

NORTH SIDE

3rd Peerkhan Street

1st Peerkhan Street

1st Peerkhan Street

Bellasis Road

DINSHAW WACHHA ROAD

BOMBAY No. 1

(Jurisdiction : Esplanade Police Station)

[From Netaji Subhas Road to Queen's Road]

These are the cross roads :

NORTH SIDE

Jamshedji Tata Road

A Road

Queen's Road & Churchgate Reclamation.

SOUTH SIDE

Jamshedji Tata Road

Netaji Subhas Road

DOCKYARD ROAD

BOMBAY No. 10

(Jurisdiction : Byculla Police Station)

[From Mazagon Road and Belvedere Road to Mazagon Pier]

These are the cross roads :

WEST SIDE

Nesbit Road

Gunpowder Road

NORTH SIDE

Gangabouri Road

Gunpowder Lane

Reay Road

Coppermith Street

Belvedere Road

Reay Road

Carpenter Street

Muzawar Pakadi Road

DONGARSI ROAD

BOMBAY No. 6

(Jurisdiction : Camdevi Police Station)

[From Ridge Road and Harkness Road]

These are the cross roads :

NORTH SIDE

A Road

Dongarsi Road Cross Lane

SOUTH SIDE

A Road

DONGRI STREET

BOMBAY No. 9

(Jurisdiction : Dongri Police Station)

[From Sardar Vallabhbhai Patel Road to 1st Chinch Bunder Road and Narri Natha Street]

These are the cross roads :

WEST SIDE

Narri Natha Street

Sardar Vallabhbhai Patel Road

EAST SIDE

1st Flank Road

2nd Flank Road

Sardar Vallabhbhai Patel Road

DOUGALL ROAD

BOMBAY No. 1

(Jurisdiction : Palton Road Police Station)

[From Ballard Road and Sprott Road to Willat Road]

These are the cross roads :

SOUTH SIDE

Graham Road

Willat Road

NORTH SIDE

Graham Road

Willat Road

D'SILVA ROAD (DR.)

BOMBAY No. 14

(Jurisdiction : Dadar Police Station)

[From Tulsi Pipe Road to Lady Jamshetji Road]

This is a cross road :

Lady Jamshetji Road

DUMAYNE ROAD

BOMBAY No. 5

(Jurisdiction : Colaba Police Station)

[From Colaba Road]

This is a cross road :

Sassoon Dock Cross Road

DUNCAN ROAD

BOMBAY No. 4

(Jurisdiction : Nagpada Police Station)

[From Bellasis Road to Erskine Road and Falkland Road]

These are the cross roads :

EAST SIDE

Duncan Road Cross Lane

Grant Road

Bapty Road

2nd Duncan Road Cross Lane

Guzar Street

Sardar Vallabhbhai Patel Road

Erskine Road

WEST SIDE

13th Kamatipura Street

5th Kamatipura Street

Grant Road

Bapty Road

2nd Duncan Cross Lane

Durgadevi Street

1st Duncan Road Cross Lane

2nd Bhandari Cross Lane

Sardar Vallabhbhai Patel Road

Falkland and Erskine Roads

ELPHINSTONE CIRCLE

[See Horniman Circle]

ELPHINSTONE ROAD

BOMBAY No. 12

(Jurisdiction : DeLisle Rd. Police Station)

[From New Parbhadevi & DeLisle Roads to Suparibaug and Parel Poibardi]

These are the cross roads :

NORTH SIDE

Gokhale Road South

Sayant Road

A Road

Elphinstone Bridge

Lane to Central Rly. Parel Station

Suparibaug & Dadar Main Roads

SOUTH SIDE

A Road

DeLisle & New Parbhadevi Roads

ERSKINE ROAD

BOMBAY No. 8

(Jurisdiction : Pydhonie Police Station)

[From Kika Street and Duncan Road to Sardar Vallabhbhai Patel Road and Nisam Cross Lane]

These are the cross roads :

NORTH SIDE

Bara Imam Road

Khoja Street Cross Lane

Doctor Street
Sardar Vallabhbhai Patel Road
 SOUTH SIDE

Goghari Moholla
Kazi Street
Ali Umar Street
Bapu Khote Street
Kika Street and Duncan Road

FALKLAND ROAD

BOMBAY Nos. 4 & 8.

(Jurisdiction : Maharbowri & Lamington Road Police Stations)
 [From Corner of Null Bazar to Falkland Bridge and Lamington Road]

These are the cross roads :

WEST SIDE

(Jurisdiction : Maharbowri Police Station)

1st Carpenter Street
2nd Carpenter Street
Sindhi Lane
Islampur Street
Ardeshir Dady Street
Sardar Vallabhbhai Patel Road
Khetwadi Buck Road
Falkland 1st Cross Lane
Falkland 2nd Cross Lane
Falkland 3rd Cross Lane
Falkland 4th Cross Lane
Khambata Lane
Khetwadi 10th Lane

(Jurisdiction : Lamington Rd. Police Station)

Grant Road
Balaram Road
Foras Road
Lamington Road and Falkland Bridge

EAST SIDE

Gilder Street
Foras Road
Baply Road

(Jurisdiction : Maharbowri Police Station)

Grant Road
9th Falkland Cross Lane
8th Falkland Cross Lane
7th Falkland Cross Lane
6th Falkland Cross Lane
5th Falkland Cross Lane
Trimbak Parshram Street
Sardar Vallabhbhai Patel Road
Northbrook Street
Kumbharwada Street
Bhandari Street
Null Bazar

FAZUL ROAD

BOMBAY No. 5

(Jurisdiction : Colaba Police Station)
 [From Cuffe Parade to Wodehouse Road]

These are the cross roads :

NORTH SIDE

Sobani Road

SOUTH SIDE

Wodehouse Road
Sobani Road

FERGUSON ROAD

BOMBAY No. 13

(Jurisdiction : DeLisle Rd. Police Station)
 [From Worli Naka to DeLisle Road (Paral)]

These are the cross roads :

NORTH SIDE

A Lane
Tulsi Pipe Road
DeLisle Road

SOUTH SIDE

Sun Mill Road
Municipal Market

Tulsi Pipe Road
Planet Mill Street
Haines Road

FORAS ROAD

BOMBAY No. 7

(Jurisdiction : Naggpada & Lamington Rd. Police Stations)

[From Bellasis Road to Grant Road Station]

These are the cross roads :

WEST SIDE

14th Kamatipura Street
13th Kamatipura Street
12th Kamatipura Street
Suktay Street
Bellasis Canal Road No. 2
Falkland Road
Lamington Road
Ura wala Street
Grant Road Station

EAST SIDE

Lamington Road
Nassarwanji Petit Street
Mehla Patel Avariary Street
Balaram Street
Falkland Road
Jairajbhui Lane
Sukhlaji Street
10th Kamatipura Street
11th Kamatipura Street
12th Kamatipura Street
13th Kamatipura Street
14th Kamatipura Street
Bellasis Road

FORBES STREET

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[Apollo Street to Mahatma Gandhi Road]

These are the cross roads :

SOUTH SIDE

Bakehouse Lane
Ropewalk Street
Mahatma Gandhi Road

NORTH SIDE

Medows Street
Ropewalk Street
Rutherford Street
Mahatma Gandhi Road

FORJETT STREET

BOMBAY No. 26

(Jurisdiction : Gamdevi Police Station)

[From Gowalia Tank Road to Tardeo Road]

These are the cross roads :

WEST SIDE

Forjett Street Cross Lane
Forjett Street Cross Lane
A Lane
Tardeo Road

FORT STREET

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[From Hornby Road to Nicol Road]

These are the cross roads :

NORTH SIDE

St. George's Road
Frere Road
Willet Road and Nicol Road

SOUTH SIDE

Frere Road
Mint Road
Modi Street

Bazar Gate Street
Borah Bazar Street
Mangesh Sinoi Street
Hornby Road

FRENCH ROAD

BOMBAY No. 7

(Jurisdiction : Gamdevi Police Station)

[From Chowpatty Sea Face Road, French Bridge]

These are the cross roads :

EAST SIDE

Hughes Road
Sandhurst Bridge

WEST SIDE

Chowpatty Road
Hughes Road
Harischandra Goregaoker Road
French Bridge

FRERE ROAD

BOMBAY No. 9

(Jurisdiction : Palton Rd. & Pydhonie Police Stations)

[From Mint Road to Wadi Bunder Road]

These are the cross roads :

WEST SIDE

Kumpla Street
Karwar Street
Goa Street
Fort Street
St. George's Road
Carnac Road
Poonn Street
Sholapur Street
Ranchur Street
Sardar Vallabhbhai Patel Road

EAST SIDE

Cochin Street
Calcut Street
Mangalore Street
Kumpla Street
Karwar Street
Goa Street
Fort Street
A Road

FULLER ROAD

FORT, BOMBAY No. 1

(Jurisdiction : Colaba Police Station)

[From Mahatma Gandhi Road to Mayo Road]

This is a cross road :

SOUTH SIDE

Hope Street

GAMDEVI ROAD

BOMBAY No. 7

(Jurisdiction : Gamdevi Police Station)

[From Gowalia Tank Road to Harvey Road]

These are the cross roads :

EAST SIDE

Blasker Bhau Lane
Harischandra Goregaoker Road

WEST SIDE

Gowalia Tank Road, Harvey Road and
Gurgaum Road
Harvey Road

NORTH SIDE

A Lane
Alexandra Road
Laburnum Road
Harvey Road

GARDEN ROAD

BOMBAY NO. 1

(Jurisdiction: Colaba Police Station)
[From Colaba Causeway to Merewether Road]

These are the cross roads:

SOUTH SIDE

Merewether Road

NORTH SIDE

Oliver Street

Merewether Road

GELL STREET

BOMBAY NO. 11

(Jurisdiction: Agripada Police Station)
[From Anand Rao Nair Road to Ripon Road]

These are the cross roads:

SOUTH SIDE

Mollibat Street

Rebeck Street

Agripada Chowk Street

Ripon Road

GHODBUNDER ROAD

BOMBAY NOS. 20, 21, 23 & 24

(Jurisdiction: Bandra, Santa Cruz and
Andheri Police Stations)
[From Mahim Causeway to Jawli Bunder,
Goregaon Bridge]

These are the cross roads:

WEST SIDE

A Small Lane

Marthav Rao Sawant Road

Hill Road

National Library Road

Old Ghodbunder Road

A Lane

Turner Road

A Small Lane

A Small Lane

2nd Road

1st Road

8th Road

A Road

South Avenue

A Road

North Avenue

Gurjar Lane

A Small Lane

Cottage Lane

Station Road

A Small Lane

A Small Road

Juhu Road

A Lane

A Lane

A Small Lane

A Small Lane

Government of India Private Road

Aerodrome Private Lane

A Road

Juhu Lane

A Road

A Small Lane

Cama Road

Andheri Garthan Lane No. 1

Andheri Garthan Lane No. 2

Andheri Garthan Lane No. 3

Pandu Patil Lane

Jayprakash Road

Market Road

Amboli Road

A Small Lane

A Small Lane

A Lane

Greater Bombay Border

EAST SIDE

Maulana Bab Lane

Bandra Station Road

National Library Road

A Pond

Turner Road

A Road

A Lane

A Lane

Khar Station Road

1st Road

A Road

St. Francis Avenue

A Road

Chapel Lane

Santa Cruz Station Road

Talak Road

Saibab Lane

A Lane

A Road

Road to Bombay Airport, Santa Cruz

Church Road

Vile Parle Station Road

Police Station Road

Dadabhai Road

A Road

A Road

Andheri Station Road

Mathurda Wasunji Road

Society Road

Jogeshwari Caves Road

A Road

Jawli Bunder Jogeshwari Bridge

Greater Bombay Border

GHOGA STREET

BOMBAY NO. 1

(Jurisdiction: Palton Rd. Police Station)
[From Hornby Road to Parsee Bazar Street]

These are the cross roads:

SOUTH SIDE

Cawasjee Patel Street

Parsee Bazar Street

NORTH SIDE

Pitha Street

Cawasjee Patel Street

Parsee Bazar Street

GHORUPDEO ROAD

BOMBAY NO. 10

(Jurisdiction: Byculla Police Station)
[From Tank Bunder & Mount Roads to
Reay Road]

These are the cross roads:

WEST SIDE

Tank Bunder and Mount Road

Connaught Road

Dhakji Prabhu Lane

A small Lane

A Lane

Chinchpokli Cross Lane

Albert Road

Reay Road

EAST SIDE

Reay Road

Albert Road

Arch Bungalow Road

Subhash Lane

Ghorupdeo Cross Lane

Connaught Road Cross Lane

Connaught Road

Ghorupdeo Cross Road

Tank Bunder Road and Mount Road

GIBBS ROAD

BOMBAY NO. 6

(Jurisdiction: Camdevi Police Station)
[From Gowalia Tank Road to Ridge Road]

GIBBS ROAD (LITTLE)

MALABAR HILL, BOMBAY NO. 6

(Jurisdiction: Camdevi Police Station)
[From Ridge Road]

GIRGAUM ROAD

BOMBAY NOS. 2 & 4

(Jurisdiction: Princess St., Maharbowri,
Esplanade & Lamington Road Police Stations)
[Between Dhobi Talao on the South to Opera
House on the West]

(Jurisdiction: Esplanade Police Station)

These are the cross roads:

EAST SIDE

Jambulwadi (West)

Bomanji Master Road

Princess Street

(Jurisdiction: Princess St. Police Station)

Kolbhat Street

Cheera Bazar (Vegetable Market)

Dr. Viegas Street

Cavel Cross Lane No. 11

Dadyshet Aglari Street

Zaoba's Oart, Dhus Wadi

(Jurisdiction: Maharbowri Police Station)

Thakurdwar Road

Mughbat Street

Borbhat Lane

Khadihar Road

Nikadwadi Lane

Khotachi Wadi

Charni Road

(Jurisdiction: Lamington Rd. Police Station)

Benham Hall Lane

Bhatwadi 1st Lane

Bhatwadi 2nd Lane

Dr. Awantikabai Gokhale Road

Lamington Road

Sardar Vallabhbhai Patel Road

Kennedy Bridge

Vithalbhai Patel Road

Gowalia Tank Road

WEST SIDE

Harischandra Goregaokar Road

Kennedy Bridge

New Queen's, Sardar Vallabhbhai

Patel and Mathew Roads

Lamington Road

Tata Road No. 1

Charni Road

(Jurisdiction: Maharbowri Police Station)

Gaiwadi

Kelewadi

Mangalwadi

Thakurdwar Road

(Jurisdiction: Princess St. Police Station)

Karelwadi

Hemrajwadi

Bhai Jivanji's Lane

Nowrojee Sahi Street

Gangaram Khatre's Wadi

Burrows Lane

Shanker Bari Lane

Gazdar Street

Dukerwadi

Tadwadi

Sonapur Street

Dadi Sambook Lane

Chandanwadi

(Jurisdiction: Esplanade Police Station)

Princess Street

Dr. Couasji Hormusji Street

Hamal Wadi

Dhobi Talao 2nd Street

Dhobi Talao 1st Street

Mahatma Gandhi Road

GOA STREET

BALLARD ESTATE, BOMBAY NO. 1

(Jurisdiction: Palton Rd. Police Station)
[From Mint Road to Nicol Road]

These are the cross roads:

SOUTH SIDE

Frere Road

NORTH SIDE

Frere Road
Nicol Road

GOKHALE ROAD (NORTH)

DADAR, BOMBAY No. 14

(Jurisdiction : Dadar Police Station)

[From Lady Jamshedji Road to Gokhale Road South]

These are the cross roads :

EAST SIDE

D. L. Vaidya Road
Ranade Road Extension
A Street
Portuguese Church Street

WEST SIDE

Portuguese Church Street
A New Lane
A small Lane
Ash Lane
Anant Patil Road
Ranade Road Extension
Shivaji Park Road
Shivaji Park Road No. 3
Keluskar Road

GOVERNMENT GATE ROAD

PAREL, BOMBAY No. 12

(Jurisdiction : Kalachowki Police Station)

[From Parel Chawl Road to King Edward Road]

These are the cross roads :

EAST SIDE

A Lane

(Jurisdiction : Bhoiwada Police Station)

Parel Back Road
King Edward Road

WEST SIDE

Chamarbaug Road
Dr. Shirodkar Road
Jeejeebhoy Lane
Ganesh Lane
A Lane

GOVINDJI KENI ROAD

BOMBAY No. 12

(Jurisdiction : Bhoiwada Police Station)

[From the Junction of Vincent Road and Dadar Main Road to the Junction of Jerbai Wadia, Nayak and Bhoiwada Roads.]

These are the cross roads :

NORTH SIDE

A Cross Lane
Scheme 60, Road No. 3, Naigaum Road
A Road
St. Xavier's Street
Jerbai Wadia, Nayak and Bhoiwada Roads

SOUTH SIDE

Naigaum Cross Road
Road No. 9, Naigaum
Road No. 16, Naigaum
A small Road
Jerbai Wadia, Nayak and Bhoiwada Roads

GOWALIA TANK ROAD

BOMBAY No. 7

(Jurisdiction : Gamdevi Police Station)

[Between Nana Chowk and Nepean Sea Road]

These are the cross roads :

SOUTH SIDE

Gowalia Tank Cross Lane
Pan Gully
Hughes and Gibbs Roads

Sir Jamssetjee Road leading to Parsee Tower of Silence
Dadysett Hill Private Road
Nepean Sea Road and Bhulabhai Desai Road

NORTH SIDE

Bomanji Petit Road
Cumballa Road
Pedder Road
Altamont Road and Hermitage Pass
Raghaoji Road
Forjett Street
A Cross Lane

GRAHAM ROAD

BALLARI ESTATE, BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[From Ballard Pier Road to Nicol Road]

These are the cross roads :

NORTH SIDE

Dougall Road
Sprott Road
Nicol Road

SOUTH SIDE

Dougall Road
Sprott Road
Nicol Road

GRANT ROAD

BOMBAY No. 3

(Jurisdiction : Lamington Rd., Nagpada Police Station, Maharbowri and Dongri Police Stations)

[From Frere Bridge & Lamington Road to Victoria Garden & Ibrahim Rahimtoola Roads]

These are the cross roads :

NORTH SIDE

Lamington Road
Mehla Patel Ajiary Street
A Lane
Balaram Street
Erushshaw Hakim Road

(Jurisdiction : Nagpada Police Station)

Falkland Road
Arab Lane
Suklaji Street
Trimbak Parashram Street
Ahmed Omar Street
Bapty Road
Duncan Road
Tank Street
Khandia Street
Undaria Street
Huzria Street
Temkar Street
Shaikh Buran Khamdin Street
Victoria Garden & Ibrahim Rahimtoola Roads

SOUTH SIDE

Lamington Road
Charni Road
Trimbak Parashram Street
Khetwadi 12th Lane

(Jurisdiction : Maharbowri Police Station)

Khetwadi 10th Lane
Falkland Road
Northbrook Street
Trimbak Parashram, Northbrook and Kumbharwada Streets
Bapty Road
Duncan Road

(Jurisdiction : Dongri Police Station)

Bara Imam Road
Chimna Butcher Street
Mutton Street
Doodar Street
Dhaboo Street
Pakmodia Street
Victoria Garden & Ibrahim Rahimtoola Roads

GREEN STREET

FORT, BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[Apollo Street to Custom House Road]

These are the cross roads :

NORTH SIDE

Bank Street

SOUTH SIDE

Bank Street

GUNBOW STREET

FORT, BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[From Bazar Gate Street to Hornby Road]

These are the cross roads :

NORTH SIDE

Bobra Bazar Street
Parsee Bazar Street
Bomanji Lane
Raghunath Dadaji Street
Hornby Road

SOUTH SIDE

Homji Street
Parsee Bazar Street
Cawasji Patel Street
Lane joining Sir Phirozshah Mehta Road

GYMNASIUM ROAD

FORT, BOMBAY No. 1

(Jurisdiction : Esplanade Police Station)

[From Hornby Road to Cruickshank Road]

HAINES ROAD

BOMBAY No. 18

(Jurisdiction : Agripada & DeLisle Rd. Police Stations)

[From DeLisle Road on the East to Jacob Circle and from Mahalakshmi Bridge to Dr. Annie Beasant Road]

(Jurisdiction : Agripada Police Station)

These are the cross roads :

WEST SIDE

Souter Street
Tank Pakhadi Road
Sunder Street
Buculla Station Road
Jacob Circle
Dhobirada Road
Western Railway Crossing Bridge
Ferguson and Love Grove Roads

EAST SIDE

DeLisle Road
Buculla Station Road
Jacob's Circle

(Jurisdiction : DeLisle Road Police Station)

Western Railway Crossing Bridge
A Lane
Ferguson and Love Grove Roads

HAMAM STREET

FORT, BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[Meadows Street to Apollo Street]

These are the cross roads :

NORTH SIDE

Dean Lane
Apollo Street

SOUTH SIDE

Apollo Street

HARKNESS ROAD

BOMBAY No. 6

(Jurisdiction : Gamdevi Police Station)
[From Ridge Road to Narayan Dabholkar Road]

These are the cross roads :

NORTH SIDE

Nepean Sea Road

SOUTH SIDE

Dongars Road Cross Lane

HARVEY ROAD

BOMBAY No. 7

(Jurisdiction : Gamdevi Police Station)
[From Chowpatty Sea Face Road on the West to Nana Chowk on the East (Gamdevi Road)]

These are the cross roads :

WEST SIDE

Babulnath 1st Cross Road
Chowpatty Road
Hughes Road
Vachhagandhi Road
Laburnum Road
Alexandra Road

EAST SIDE

Alexandra Road
Laburnum Road
Gamdevi Road
Hughes Road
Chowpatty Road
Chowpatty Parade

HENRY ROAD

COLABA, BOMBAY No. 1

(Jurisdiction : Colaba Police Station)
[From Colaba Causeway to Strand Road]

These are the cross roads :

NORTH SIDE

Merewether Road
Strand Road

SOUTH SIDE

Merewether Road
Hope Street

HILL ROAD

BOMBAY No. 20

(Jurisdiction : Bandra Police Station)
[From Bandra Railway Station to Mount Mary Road]

These are the cross roads :

NORTH SIDE

Ghodhunder Road
Private Road
Old Ghodhunder Road
St. Martin's Road
Water Field Road
Prof. D'Almeida's Road
Pali Road
Somnath Lane
St. Andrew's Road
St. Paul's Road
Jeejeebhoy Road
Mount Mary Road

SOUTH SIDE

Waroda Road
St. Peter's Road
A Private Lane
Boran Road
Chinchpokli Street
Old Ghodhunder Road
Ghodhunder Road

HOME STREET

FORT, BOMBAY No. 1

(Jurisdiction : Esplanade Police Station)
[From Hornby Road to Waudby Road]

These are the cross roads :

NORTH SIDE

Bastion Road
Murzban Road
Waudby Road

SOUTH SIDE

Bastion Road
Murzban Road
Waudby Road

HOMJI STREET

FORT, BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)
[From Horniman Circle to Phirozshah Mehta Road]

These are the cross roads :

WEST SIDE

Store Lane

HOPE STREET

FORT, BOMBAY No. 1

(Jurisdiction : Colaba Police Station)
[From Mahatma Gandhi Road to Fuller Road]

HORMUSJI ADENWALA ROAD

BOMBAY No. 19

(Jurisdiction : Kingsway Police Station)
[From Vincent Road, King's Circle Garden to Lady Jehangir Road]

These are the cross roads :

EAST SIDE

Road No. 33, Parsee Colony
A Street
Road No. 81, Parsee Colony
Road No. 20, Parsee Colony
A Road
Lady Jehangir Road

WEST SIDE

A Road
Parsee Colony Road No. 30
Jam-6-Jamshed Road
Vincent Road

HORNBY ROAD

[Officially, Dadabhoy Naoroji Rd.]

FORT, BOMBAY No. 1

(Jurisdiction : Palton Rd. & Esplanade Police Stations)
[Carnac Road to Mahatma Gandhi Road—Flora Fountain]

These are the cross roads :

EAST SIDE

Market Road
Palton Road
Fort Street
Mangesh Senoy Street
Jivaji Lane
Jijibhoy Dadabhoy Road
Police Court Lane
Raghunath Dadaji Street
Gunbow Street
Phirozshah Mehta Road
Ghoga Street
Nanabhai Lane
Vir Nariman Street

WEST SIDE

Gymnasium Road
Council Road

Cruickshank Road
Waudby Road
Raveln Street
Wallace Street
Home Street
Outram Road
Napier Road
Cannon Road
Mahatma Gandhi Road

HORNBY VELLARD

[From Junction of Tardeo Road and Clock Road to Annie Besant Road]

HORNIMAN CIRCLE

[Formerly called Elphinstone Circle]

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)
[From Town Hall]

These are the cross roads :

Custom House Road & Bazar Gate Street
Homji Street
Farree Bazar Street
Vir Nariman Street
Apollo Street
Bank Street
Custom House Road

HOSPITAL AVENUE ROAD

PAREL, BOMBAY No. 12

(Jurisdiction : Bhoiwada Police Station)
[From Jerbai Wadia Road to Suparibaug Road]

These are the cross roads :

EAST SIDE

King Edward Road
Chamarbaug Road
Dr. Shirodkar Road
Suparibaug Road

WEST SIDE

Dr. Shirodkar Road
A Lane
Chamarbaug Road
Armai Merwanji Street
Dadabhoy Chamarbagnala Road
Jehangir Merwanji Street
Dr. Balliwala Road
Gokhale Society Lane
King Edward Road
Jerbai Wadia Road

HOSPITAL LANE

FORT, BOMBAY No. 1

(Jurisdiction : Esplanade Police Station)
[From Marine Lines to Mahatma Gandhi Road]

HUGHES ROAD

BOMBAY NOS. 7 & 26

(Jurisdiction : Gamdevi Police Station)
[From Sardar Vallabhbhai Patel Road to Kemp's Corner]

These are the cross roads :

EAST SIDE

French Road
Harvey Road
Vachhagandhi and Owen Dunn Roads
Owen Dunn Road
Pan Gully
Gowalia Tank, Pedder & Gibbs Roads

WEST SIDE

Parsee Punchayat's Private Road
Babulnath Road
Harvey Road
French Road
Sardar Vallabhbhai Patel Road

IBRAHIM RAHIMTOOLA ROAD

BOMBAY No. 8

(Jurisdiction : Pydhonie and Dongri Police Stations)

[From Abdul Rehman Street and Kalbadevi Road (Pydhonie) to Victoria Gardens Road]

(Jurisdiction : Pydhonie Police Station)

These are the cross roads :

WEST SIDE

Bapu Khote Cross Street
Banian Road
Goghari Mohalla 2nd Cross Lane
Ismail Curley Road
Musjid Street
Nizam Street
Sardar Vallabhbhai Patel Road

(Jurisdiction : Dongri Police Station)

Dharamsee Street
Guzar Street
Khara Tank Street
1st Cooper Street
2nd Cooper Street
Yacoob Street
Bapty Road
Grant Road and Victoria Gardens Road

(Jurisdiction : Pydhonie Police Station)

EAST SIDE

Kolsa Street
Pydhonie Road
Chunnam Kith Street
Mohamedali Road

(Jurisdiction : Dongri Police Station)

Sardar Vallabhbhai Patel Road
Imamwada Road
Paru Lane
A Small Lane
Babula Tank Road and Victoria Gardens Road

JACOB'S CIRCLE

BOMBAY No. 11

(Jurisdiction : Agridada Police Station)

[North End of Ripon Road]

These are the cross roads :

Haines Road
Clerk Road
Arthur Road
Haines Road
Work Road
Mahalaxmi Bridge
Clerk Road
Arthur Road
Ripon Road

JAKARIA MUSJID STREET

BOMBAY No. 9

(Jurisdiction : Pydhonie and Dongri Section Police Stations)

[From Musjid Bunder Road (Mandvi) to Sardar Vallabhbhai Patel Road]

These are the cross roads :

EAST SIDE

(Jurisdiction : Dongri Section Police Station)

Pydhonie Road
1st Chinch Bunder Road
Old Naggada Lane
Sardar Vallabhbhai Patel Road

WEST SIDE

Old Naggada Lane
1st Chinch Bunder Road

(Jurisdiction : Pydhonie Police Station)

Pydhonie Road
Musjid Bunder Road

JAME-JAMSHED ROAD

BOMBAY Nos. 14 & 19

(Jurisdiction : Kingsway Police Station)

[From Hormusji Adenwala Road to Tilak Road]

These are the cross roads :

WEST SIDE

Seth Bhagavandas Narothamdas Road
Lady Jehangir Road
Khareghat Road
Mancherji Joshi Road

EAST SIDE

Seth Bhagavandas Narothamdas Road
A Road
Lady Jehangir Road
Khareghat Road

JAMSHEDJI TATA ROAD

BOMBAY No. 1

(Jurisdiction : Esplanade Police Station)

[From Vir Nariman Street and Queen's Road to Dinshaw Wachha Road]

These are the cross roads :

WEST SIDE

Dinshaw Wachha Road

EAST SIDE

Dinshaw Wachha Road
A Road
Vir Nariman Road and Queen's Road

JANJIKAR STREET

BOMBAY Nos. 2 & 3

(Jurisdiction : Pydhonie Police Station)

[From Sherkh Memon Street (near Jumma Musjid) to Dongri Street]

These are the cross roads :

SOUTH SIDE

Mirchi Market Lane
Abdul Rehman Street
Sarany Street
Nagdevi Street
Mohamed Ali Road
Sheriff Dewjee Street
Old Bengalpura Street
Sri Ragnath Maharaja Street
Kazi Syed Street
Dongri Street

NORTH SIDE

Kazi Syed Street
Sri Ragnath Maharaja Street
Bhandari Cross Lane
Sheriff Dewjee Street
Mohamed Ali Road
Nagdevi Street
Sarany Street
Abdul Rehman Street
Sherkh Memon Street

JAYA PRAKASH ROAD

(Jurisdiction : Andheri Police Station)

[From Ghodbunder Road to Versova Seashore]

These are the cross roads :

SOUTH SIDE

A small Lane
Andheri Gaothan Lane No. 4
Bhavan's College Road
A small Lane
Dadabhai Road
A Road
Versova Cross Road
A Road
Lane to the Sea
Lane to the Sea
Versova Seashore

NORTH SIDE

A small Lane
Lane to St. Catherine's Home
Sonapur Road
Bhadra Wad Road
A small Lane
A small Lane
Mukund Patil Road
Ghodbunder Road

JOGESHWARI CAVES ROAD

(Jurisdiction : Andheri Police Station)

[From Ghodbunder Road to Jogeshwari Caves]

These are the cross roads :

NORTH SIDE

Jogeshwari Railway Station
Jogeshwari Caves

SOUTH SIDE

Ismail Yusuf College Road
H. F. Society Road
Ghodbunder Road

JUHU ROAD

BOMBAY Nos. 23 & 24

(Jurisdiction : Santa Cruz Police Station)

[From Ghodbunder Road to Juhu Village]

These are the cross roads :

SOUTH SIDE

Tagore Road
Dadabhai Road

WEST SIDE

Koliwada Road
Jitendra Lane
A small Lane
A small Lane
A small Lane
A small Lane
Juhu Beach Road
A Prientr Lane
Juhu Village

EAST SIDE

A Lane

NORTH SIDE

A small Lane
A Road
Tagore Road
Ghodbunder Road

KALBADEVI ROAD

BOMBAY Nos. 2 & 3

(Jurisdiction : Princess St., Esplanade and Pydhonie Police Stations)

[From Mahatma Gandhi, Cruickshank and Carnac Roads to Ibrahim Rahimtoola Road, Pydhonie]

(Jurisdiction : Princess St. Police Station)

These are the cross roads :

EAST SIDE

Jambhoolwadi
Takwadi
Pickel Road
Princess Street
Joshi Wadi
Habu Genu Road
Old Hanuman Lane
Vithalwadi
Sheikh Memon Street
Mumbadevi Road
Abdul Rehman Street

(Jurisdiction : Pydhonie Police Station)

WEST SIDE

[From Ibrahim Rahimtoola Road, Pydhonie]

These are the cross roads :

Bapu Khote Street
Kika Street

Kalbadevi Road—contd.

(Jurisdiction : Princess St. Police Station)

Bhuleshwar Road
1st Popalwadi
Dadasaheb Agrawal Street
Cavel Cross Lane
Dr. Viegna Street
Kolbhat Street
Old Post Office Lane
Bhangwadi
Popal Wadi

(Jurisdiction : Esplanade Police Station)

Princess Street
Homanji Master Road
Jambhede
Cruickshank and Carnac Roads

KAMBEKAR STREET

BOMBAY No. 3

(Jurisdiction : Dongri and Pydhonie Police Stations)

[From Pydhonie Road to Sardar Vallabhbhai Patel Road]

(Jurisdiction : Pydhonie Police Station)

These are the cross roads :

EAST SIDE

Pydhonie Road

(Jurisdiction : Dongri Police Station)

1st Chinch Bunder Road
Old Nagpada Road
Sardar Vallabhbhai Patel Road

WEST SIDE

New Bengalpura Street
Old Nagpada Road
Chunam Kohn Street

(Jurisdiction : Pydhonie Police Station)

Pydhonie Road
Musjid Bunder Road

KARWAR STREET

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[From Mint Road to Nicol Road]

These are the cross roads :

NORTH SIDE

Frere Road
Nicol Road

SOUTH

Frere Road

KAZI SAYED STREET

BOMBAY NOS. 3 & 9

(Jurisdiction : Pydhonie Police Station)

[From Samuel Street (Khoja Moholla) to Carnac Road]

These are the cross roads :

EAST SIDE

Musjid Bunder Road
Mirchi Lane
Bhandari Street
Janjekar Street
Carnac Road

WEST SIDE

[Carnac Road to Samuel Street]
Janjekar Street
Bhandari Street
Mirchi Lane
Musjid Bunder Road
Samuel Street (Khoja Moholla)

KHATAU ROAD

BOMBAY No. 5

(Jurisdiction : Colaba Police Station)
[From Wodehouse Road to Cuffe Parade]

This is the cross road :

NORTH SIDE

Sobani Road

KHETWADI BACK ROAD

BOMBAY No. 4

(Jurisdiction : Maharbowri Police Station)
[From Falkland Road to Charni Road]

These are the cross roads :

SOUTH SIDE

2nd Khetwadi Lane
3rd Khetwadi Lane
4th Khetwadi Lane
5th Khetwadi Lane
6th Khetwadi Lane
7th Khetwadi Lane
8th Khetwadi Lane
9th Khetwadi Lane
10th Khetwadi Lane

(Jurisdiction : Lamington Road Police Station)

11th Khetwadi Lane
12th Khetwadi Lane
13th Khetwadi Lane
14th Khetwadi Lane
Charni Road

NORTH SIDE

12th Khetwadi Lane
10th Khetwadi Lane

(Jurisdiction : Maharbowri Police Station)

Khambata Lane
Falkland 4th Cross Lane
Falkland 3rd Cross Lane
Falkland 2nd Cross Lane
Falkland 1st Cross Lane
Falkland Road

KHETWADI MAIN ROAD

BOMBAY No. 4

(Jurisdiction : Maharbowri Police Station)

[From Cowasjee Patel Tank Road to Sardar Vallabhbhai Patel Road, it has been named Nanumbhai Desai Road; from Sardar Vallabhbhai Patel Road to Charni Road, the original name is retained]

These are the cross roads :

SOUTH SIDE

Ardeshir Dady Street
Parsiwada 1st Lane
Parsiwada 2nd Lane
Dr. Wilson Street
Dr. Deshmukh Lane
Sardar Vallabhbhai Patel Road

(Jurisdiction : Lamington Road Police Station)

Dr. Bhajekar Street
Charni Road

NORTH SIDE

14th Khetwadi Lane
13th Khetwadi Lane
12th Khetwadi Lane
11th Khetwadi Lane

(Jurisdiction : Maharbowri Police Station)

10th Khetwadi Lane
9th Khetwadi Lane
8th Khetwadi Lane
7th Khetwadi Lane
Sardar Vallabhbhai Patel Road
4th Khetwadi Lane
3rd Khetwadi Lane
2nd Khetwadi Lane
1st Khetwadi Lane
Ardeshir Dady Street
Islampura Street

Sindhi Lane
2nd Carpenter Street
1st Carpenter Street
Cowasjee Patel Tank Road

KIKA STREET

(Cowasji Patel Tank Road to Kalbadevi Road)

These are the cross roads :

WEST WARDS

Bhoiwada 1st Lane, 2nd, 3rd
Panjarapole Road

EAST WARDS

Bhoiwada 2nd Lane
Banyon Street
Panjarapole Road.

KING EDWARD ROAD

BOMBAY No. 12

(Jurisdiction : Bhoiwada Police Station)

[Parel Poibadi to Takersi Jivraj Road]

These are the cross roads :

SOUTH SIDE

A Cross Lane
Hospital Avenue Road
Lane leading to Parel Village and
Parel Government Gate Road
Bhagwantrao Parelkar Road

NORTH SIDE

Hospital Avenue

KITTRIDGE ROAD

BOMBAY No. 7

(Jurisdiction : Colaba Police Station)

[From Colaba Road to Cuffe Parade]

These are the cross roads :

SOUTH SIDE

Wodehouse Road
Sobani Road
Cuffe Parade

NORTH SIDE

Colaba Road
Wodehouse Road
Cuffe Parade

KUMPTA STREET

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[Mint Road to Nicol Road]

These are the cross roads :

SOUTH SIDE

Frere Road

NORTH SIDE

Frere Road
Mint Road

KURLA ROAD

(Jurisdiction : Andheri Police Station)

[From Andheri Railway Crossing to Bombay-Agra Road]

These are the cross roads :

SOUTH SIDE

A Lane
A small Lane
A small Lane
A small Lane
A Road
A Road
Saki Nadi Bridge

(Jurisdiction : Kurla Police Station)

WEST SIDE

Bombay-Agra Road

NORTH SIDE

Nagardas Road
Telik Gali Road
A Small Lane
Gundoli Gavthan Lane No. 2
Suren Road

A Small Lane
A Road
Church Road
Marol Road
A small Lane
Vihar Road

EAST SIDE

Bel Bazar Road
Bombay-Agra Road

LABURNUM ROAD

BOMBAY No. 7

(Jurisdiction : Gamdevi Police Station)

[From Owen Dunn Road to Harvey Road]

These are the cross roads :

NORTH SIDE

Harvey Road
A Cross Lane
Gamdevi Road

SOUTH SIDE

Harvey Road
Gamdevi Road

LADY HARDINGE ROAD

BOMBAY NOS. 16, 10 & 28

(Jurisdiction : Mahim Police Station)

[From Central Rly. Level Crossing to Cadell Road]

These are the cross roads :

EAST SIDE

A Road
A Lane
A Small Lane
Lady Jamshetji Road

NORTH SIDE

Road to Andhra Valley Power Supply
Ltd., Rewaring Station

WEST SIDE

A Small Road
Mugal Lane
A Small Lane
A Small Lane
Lady Jamshetji Road

LADY JAMSHETJI ROAD

BOMBAY NOS. 14 & 16

(Jurisdiction : Dadar & Mahim Police Stations)

[From Dadar Portuguese Church Street to Mahim Causeway]

(Jurisdiction : Dadar Police Station)

These are the cross roads :

WEST SIDE

A Small Lane
Ranade Road Extension
Hananki Tank Lane
Mukundrao Khandke Lane
Ganesh Peth Lane
A Small Lane
A Small Lane
Ram Maruti Road
D. L. Vaidya Road
A Private Lane
Gokhale Road North

(Jurisdiction : Mahim Police Station)

Keluskar Road
Shivaji Park Road 2
A Road to Beach
A Cross Road
A Small Lane
Lady Hardinge Road
Bhandar Gully Lane
A Lane
Sitaladevi Temple Road

A Lane
Bhandari Lane
Path to School
A Lane
A Small Lane
Cadell Road
Mahim Causeway

EAST SIDE

Mori Road
A Road
A Road
Mia Md. Chhotani Road
A Road
A Road
A Lane
Sitaladevi Temple Road
A Road
A Road
A Small Lane
Lady Hardinge Road to Matunga Station
A Road
Bal Govind Road
Sakharam Kir Road
Hai Padmabai Thakar Road
Woollen Mill Gully
Road to Tilak Bridge
Road to Tilak Bridge
Akshikar and Chhubaldas Streets
Library Road
Ranade Road
Dr. D'Silva Road
Dadar Portuguese Church Street

LAKHAMSI NAPOO ROAD

BOMBAY No. 14

(Jurisdiction : Kingsway Police Station)

[From Dadar (Central Rly.) Station to Bhandarkar Road, Matunga]

These are the cross roads :

WEST SIDE

A Small Lane
Bhandarkar Road

EAST SIDE

Bhimani Street
Matunga Station Road
Deodar Road
Gymkhana Road
A Street
A Lane
Hindu Colony Road No. 6
Khareghat Road
Road No. 5, Hindu Colony
Road No. 4, Hindu Colony
Road No. 3, Hindu Colony
Road No. 2, Hindu Colony
Dr. Pradhan Road
Vincent Square Street No. 1
Dadar Station Road

LAMINGTON ROAD (NORTH)

[See Anandrao Nair Road]

LAMINGTON ROAD (SOUTH)

BOMBAY NOS. 4 & 7

(Jurisdiction : Lamington Rd. & Nagpada Police Stations)

[From Queen's Road to Bellasis Road]

These are the cross roads :

EAST SIDE

Girgaum Road
Sardar Vallabhbhai Patel Road
Vithalbhai Patel Road
Tribhuvan Road
Tara Temple Lane
Topeewalla Lane
Grant Road
Foras Road
Falkland Road
Bellasis Road

WEST SIDE

Gilder Lane
Falkland North Street
Bridge and Falkland Road
Low-Level Road South of Falkland Road Overbridge
Annesley Road
Foras Road
Grant Road Cross Lane
Grant Road and Frere Bridge
Proctor Road
Chunam Lane
Kilm Lane
Vithaldas Patel Road
Sardar Vallabhbhai Patel
Girgaum Road
New Queen's Road

LANDSDOWNE ROAD

BOMBAY No. 1

(Jurisdiction : Colaba Police Station)
[From Colaba Causeway to Strand Road and Apollo Bunder]

These are the cross roads :

SOUTH SIDE

Tulloch Road
Merewether Road
Strand Road and Apollo Bunder

NORTH SIDE

Adams Street
Stevens Street
Battery Street
Colaba Causeway

LOHAR STREET

BOMBAY No. 2

(Jurisdiction : Princess St. Police Station)
[From Sheikh Memon Street (Market) to Princess Street]

These are the cross roads :

SOUTH SIDE

Mangaldas Road
Putakwadi Road
Pickett Cross Road
Princess Street

NORTH SIDE

Putakwadi Road
Mangaldas Road
Sheikh Memon Street

LOVE LANE

BOMBAY No. 27

(Jurisdiction : Byculla Police Station)
[From Victoria Gardens Road to Mount Rd.]

These are the cross roads :

SOUTH SIDE

Hanaraj Lane
Tarabaug Lane
Hatibaug Lane A
Mount Road

NORTH SIDE

A Small Lane
Road to Dr. Masina's Hospital
Victoria Gardens Road

MAHATMA GANDHI ROAD

BOMBAY No. 1

(Jurisdiction : Esplanade and Palton Road Police Stations)

[Dhobi Talao, Carnac Road and 1st Marine Street to Mayo Road & Rampart Row]

These are the cross roads :

WEST SIDE

Cinema Road
Hospital Lane
Mayo Road

Mahatma Gandhi Road—contd.

Vir Nariman Street
Eldon Road leading to High Court
University Road
Fuller Road
Hope Street
Mayo Road

EAST SIDE

Carnac & Cruickshank Roads
Waudby Road
Napier Road
Centon Road
Hornby Road and Vir Nariman Street
Floia Fountain
Bruce Lane
Meadows Street
Ash Lane
Oak Lane
Bell Lane
Military Square Lane
Forbes Street
Rampart Row
Wellington Fountain
Apollo Street

MAHESHWAR ROAD (DR.)

(See Chinch Bunder Lc)

MAHOMEDALI ROAD

BOMBAY No. 3

(Jurisdiction : Pydhonie Police Station)
 [From Carnac Road to Ibrahim Rahimtoola Road]

These are the cross roads :

WEST SIDE

Janjikar Street
Bhajiपाला Street
Nagdevi Cross Lane
Bibiyan Street
Musjid Bunder Road
Memonwada Cross Lane
Nagdevi Street and Nukhoda Street
Pydhonie Road
Chunam Kibi Street
Ibrahim Rahimtoola Road

(Jurisdiction : Dongri Section Police Station)

NORTH SIDE

Chunam Kibi Lane

(Jurisdiction : Pydhonie Police Station)

Pydhonie Road
Memonwada Road
Musjid Bunder Road
Bibiyan Street
Nagdevi Cross Lane
Bhajiपाला Street
Janjikar Street
Carnac Road

MANDLIK ROAD

BOMBAY No. 1

(Jurisdiction : Colaba Police Station)
 [From Colaba Causeway to Merewether Road]

These are the cross roads :

SOUTH SIDE

Colaba Causeway
Lala Nigam Road

MANGALDAS ROAD

BOMBAY No. 2

(Jurisdiction : Princess St. Police Station)
 [From Carnac Road to Princess Street]

These are the cross roads :

EAST SIDE

Lohar Street
Kichen Garden Lane
Princess Street

WEST SIDE

Vithaldas Road
Lohar Street
Carnac Road

MANGALORE STREET

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[From Frere Road to Nicol Road]

These are the cross roads :

NORTH SIDE

Nicol Road

SOUTH SIDE

Frere Road

MANORDAS STREET

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[From Bora Bazar Street to Mint Road]

These are the cross roads :

SOUTH SIDE

Bazar Gate Street
Mody Street
Mint Road

NORTH SIDE

Bazar Gate Street
Mody Street
Mint Road

MARINE DRIVE

[See Netaji Subhas Road]

MARINE LINES

BOMBAY No. 1

(Jurisdiction : Esplanade Police Station)

[From 1st Marine Street to Vir Nariman Street]

These are the cross roads :

WEST SIDE

Willoughby Road
Nathuram Thackersey Road
A Cross Lane
A Cross Lane
Vir Nariman Street

EAST SIDE

Hospital Lane
Curney Road
A Lane
Vir Nariman Street

MARINE STREET (1st)

BOMBAY No. 2

(Jurisdiction : Esplanade Police Station)

[From Dhobi Talao to Queen's Road]

These are the cross roads :

EAST SIDE

Cinema Road
Marine Lines
Queen's Road

WEST SIDE

Wellington Street
1st Marine Cross Lane
Trinity Street
Dhobi Talao

MARINE STREET

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)
 [From Apollo Street to Custom House Road]

MARKET ROAD

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)

[From Palton Road to Hornby Road]

MATHEW ROAD

BOMBAY No. 4

(Jurisdiction : Lamington Rd. Police Station)

[From Sardar Vallabhbhai Patel Road to New Queen's Road]

These are the cross roads :

EAST SIDE

Way to New Queen's Road
Queen's Road

WEST SIDE

Level Crossing

MAYO ROAD

BOMBAY No. 1

(Jurisdiction : Colaba & Esplanade Police Stations)

[From Mahatma Gandhi Road—Wellington Fountain to Mahatma Gandhi Road Queen's Statue]

These are the cross roads :

SOUTH AND WEST SIDES

Cooperage Road
Vir Nariman Street

EAST SIDE

Fuller Road
University Road
Vir Nariman Street

MAZAGAON ROAD

Bombay No. 10

(Jurisdiction : Byculla Police Station)
 [From Jail Road East to Mount Road]

These are the cross roads :

WEST SIDE

A Lane
A Lane
A Lane
St. Mary's Road
Nesbit Road

EAST SIDE

Chinch Bunder Road
Valpakhadi Road
Wadi Bunder Road
A Lane
Dockyard Road
Mount Road

MEDOWS STREET

BOMBAY No. 1

(Jurisdiction : Palton Road Police Station)

[Mahatma Gandhi Road to Forbes Street]

These are the cross roads :

EAST SIDE

A Lane
Tamarind Lane
Hanam Street
Dalal Street
Forbes Street

WEST SIDE

Ash Lane
Oak Lane
Bell Lane
Military Square Lane
Forbes Street

MEMONWADA ROAD

BOMBAY NO. 3

(Jurisdiction : Dongri and Pydhonie Police Stations)

[From Imamwada Road to Mohamedali Road]

(Jurisdiction : Dongri Police Station)

These are the cross roads :

EAST SIDE

Sardar Vallabhbhai Patel Road
New Bengalpura Street
Old Nagpada Road
Chunam Kilm Street

(Jurisdiction : Pydhonie Police Station)

Pydhonie Road
Mohamedali Road

WEST SIDE

Pydhonie Road

(Jurisdiction : Dongri Police Station)

Chunam Kilm Street
Sardar Vallabhbhai Patel Road
Sardar Vallabhbhai Patel Road
Imamwada Road

MEREWETHER ROAD

BOMBAY NO. 1

(Jurisdiction : Colaba Police Station)

[Lansdowne Road to Garden Road]

These are the cross roads :

EAST SIDE

Nouraji Furdoonji Road
Ormiston Road
Henry Road
Garden Road

WEST SIDE

Walton Road
Henry Road
Burrow Road
Ormiston Road
Mandlik Road
Nouraji Furdoonji Road
Lansdowne Road

MILITARY SQUARE LANE

BOMBAY NO. 1

(Jurisdiction : Palton Road Police Station)

[Medows Street to Mahatma Gandhi Road]

These are the cross roads :

SOUTH SIDE

Ropewalk Street
Rutherford Street
Mahatma Gandhi Road

NORTH SIDE

Mahatma Gandhi Road

MINT ROAD

BOMBAY NO. 1

(Jurisdiction : Palton Road Police Station)

[From Horniman Circle to Fort Street]

These are the cross roads :

WEST SIDE

Sir P. M. Road
Bread Market Street
Agriary Lane
Mint Road Cross Lane
Manordas Street
Fort Street

EAST SIDE

Ballard Road
Cochin Street
Frere Road and Calicut Street
Kumta Street
Karwar Street
Goa Street
Fort Street

MIRZA STREET

BOMBAY NO. 3

(Jurisdiction : Princess Street Police Station)

[From Abdul Rehman Street to Sheikh Memon Street]

These are the cross roads :

NORTH SIDE

Dhunji Street
Sheikh Memon Street

SOUTH SIDE

Abdul Rehman Street

MODY STREET

BOMBAY NO. 1

(Jurisdiction : Palton Road Police Station)

[From Fort Street to Sir Phirozshah Mehta Road]

These are the cross roads :

EAST SIDE

Manordas Street
Mint Street Cross Lane
Agriary Lane
Bread Market Street
Sir Phirozshah Mehta Road

WEST SIDE

Manordas Street
Dwarkanudas Lane
Chana Street
Agriary Lane
Modi Street Cross Lane
Sir Phirozshah Mehta Road

MORLAND ROAD

BOMBAY NO. 8

(Jurisdiction : Nagpada & Agripada Police Stations)

[From Bellasis Road to Ripon Road]

(Jurisdiction : Nagpada Police Station)

These are the cross roads :

EAST SIDE

A Small Private Lane
A Small Lane
Mohomedan Street
Ghelliabhai Street
Sankli Street

(Jurisdiction : Agripada Police Station)

Souter Street
Ripon Road

WEST SIDE

Gill Street
Wylie Road
Souter Street
Reynolds Road

(Jurisdiction : Nagpada Police Station)

Club Back Road
Club Road
Bellasis Road

MOUNT MARY ROAD

BOMBAY NO. 20

(Jurisdiction : Bandra Police Station)

[From Hill Road to Mount Mary Church]

These are the cross roads :

SOUTH SIDE

A Road

WEST SIDE

Kane Road
A Small Lane
A Road

NORTH SIDE

Hill Road

MOUNT PLEASANT ROAD

BOMBAY NO. 6

(Jurisdiction : Camdevi Police Station)

[From Ridge Road to Nepean Sea Road]

These are the cross roads :

SOUTH SIDE

Pauai Road
A Road

MOUNT ROAD

BOMBAY NO. 10

(Jurisdiction : Byculla Police Station)

[From Mazagon Road and Matharpakhadi Road to Tank Bunder, Ghorupdeo Road, and Victoria Road]

These are the cross roads :

EAST SIDE

A Lane
Champsy Bhinji Road
" B " Anjirbaug
Victoria Road
Tank Bunder Road and Ghorupdeo Road
Victoria Road
Narialwadi Lane
Tank Bunder Road and Ghorupdeo Road

WEST SIDE

Victoria Road
Satafalwadi Road
A Small Lane
Love Lane

MURZBAN ROAD

BOMBAY NO. 1

(Jurisdiction : Esplanade Police Station)

[From Cannon Road to Hornby Road]

These are the cross roads :

WEST SIDE

Napier Road
Outram Road
Home Street
Ravelin Street
Hornby Road

EAST SIDE

Cannon Road
Bastion Road
Napier Road
Outram Road
Home Street
Wallace Street
Ravelin Street
Bastion Road
Hornby Road

MUSJID BUNDER ROAD

BOMBAY NO. 3

(Jurisdiction : Pydhonie and Princess St. Police Stations)

[From Musjid Bridge to Mumbadevi Road]

(Jurisdiction : Pydhonie Police Station)

These are the cross roads :

NORTH SIDE

Narsi Natha Street
Kazi Syed Street
Samuel Street
Israel Mahalla Lane
Khadak Street
Dontad Street
Zakaria Musjid Street
Kambekar Street
Mahomedali Road
Nagdevi Street
Narayan Dhuru Street
Abdul Rahman Street

Musjid Bunder Road - contd.

(Jurisdiction : Princess St. Police Station)
Mumbadevi Road

SOUTH SIDE

Abdul Rehman Street

(Jurisdiction : Pydhonie Police Station)

Narayan Dhuru Street
Nagdevi Street
Mahomedali Road
Dhobi Street
(Sheriff Devji Street) Chakla Street
D'Souza Street
Dariaasthan Street
Samuel Street
Kazi Syed Street
Narsi Natha Street

NAGDEVI CROSS LANE

BOMBAY No. 3

(Jurisdiction : Pydhonie Police Station)
[From Mohomedali Road to Abdul Rehman Street]

These are the cross roads :

SOUTH SIDE

Nagdevi Street

NORTH SIDE

Narayan Dhuru Street
Nagdevi Street

NAGDEVI STREET

BOMBAY No. 3

(Jurisdiction : Pydhonie Police Station)
[From Carnao Road to Mohomedali Road and Nakhoda Street]

These are the cross roads :

WEST SIDE

Janjkar Street
Bhajiipala Street
Nagdani Cross Lane
Bibiyan Street
Musjid Bunder Road
Mohomedali Road & Nakhoda Street

EAST SIDE

A Lane
Musjid Bunder Road
Bibiyan Street
Nagdevi Cross Lane
Bhajiipala Street
Janjkar Street
Carnac Road

NANABHAI LANE

BOMBAY No. 1

(Jurisdiction : Palton Rd. Police Station)
[From Hornby Road to Vir Nariman Street]

These are the cross roads :

SOUTH SIDE

Vir Nariman Street

NORTH SIDE

A Small Lane
Vir Nariman Street

NAOROJI FARDOONJI ROAD

BOMBAY No. 5

(Jurisdiction : Colaba Police Station)
[From Colaba Causeway to Strand Road]

These are the cross roads :

SOUTH SIDE

A Lane
Merewether Road
Strand Road

NORTH SIDE

Merewether Road
Tulloch Road
Colaba Causeway

NAPIER ROAD (FORT)

BOMBAY No. 1

(Jurisdiction : Esplanade Police Station)
[From Waudby Road to Hornby Road]

These are the cross roads :

SOUTH SIDE

Murzbhan Road
Bastion Road

NORTH SIDE

Bastion Road
Prescott Road
Murzbhan Road

NARAYAN DABHOLKAR ROAD

BOMBAY No. 6

(Jurisdiction : Camdevi Police Station)
[From Nepean Sea Road to Land's End]

These are the cross roads :

SOUTH SIDE

Harkness Road

NORTH SIDE

Way to Municipal Biological
Installation at Banganga

NAVROJI GAMADIA ROAD

BOMBAY No. 26

(Jurisdiction : Camdevi Police Station)
[From Pedder Road to Bhulabhai Desai Road]

These are the cross roads :

EAST SIDE

A Lane
Bhulabhai Desai Road

WEST SIDE

Pedder Road

NEHRU ROAD

BOMBAY No. 24

(Jurisdiction : Santa Cruz Police Station)
[From Tejpal Road to Santa Cruz Aerodrome]

These are the cross roads :

NORTH SIDE

A Road
Sradhananda Road
Malaviya Road
Phirozeshah Mehta Road
Dikshit Road

A Road
A Road
Santa Cruz Aerodrome

SOUTH SIDE

Sradhananda Road
Phirozeshah Mehta Road
Dikshit Road
A Lane
Vishnu Street
Dayaldas Road
A Road
Santa Cruz Aerodrome

NEPEAN ROAD

BOMBAY No. 6

(Jurisdiction : Camdevi Police Station)
(Malabar Hill)

[From Ridge Road to Nepean Sea Road]

These are the cross roads :

NORTH SIDE

Road leading to Baroda Palace
Nepean Sea Road

SOUTH SIDE

Nepean Sea Road

NEPEAN SEA ROAD

BOMBAY No. 6

(Jurisdiction : Camdevi Police Station)
[From Goualla Tank and Bhulabhai Desai Road to Harkness Road]

These are the cross roads :

EAST SIDE

Nepean Road
Mount Pleasant Road
Wilderness Road
Harkness Road

WEST SIDE

Darabshaw Road
Setalvad Road
Private Road
Narayan Dabholkar Road
Harkness Road

NESBIT ROAD

BOMBAY No. 10

(Jurisdiction : Byculla Police Station)
[From Mazagon Road to Victoria Gardens Road]

These are the cross roads :

NORTH SIDE

Nesbit Road Low-level North Bridge

SOUTH SIDE

Tadwadi Road
St. Mary's Road
Mazagon Road

NETAJI SUBHAS ROAD

(Formerly known as Marine Drive)

BOMBAY No. 1

(Jurisdiction : Esplanade & Lamington Rd. Police Stations)

[From New Road to Chowpatty Sea Face]

These are the cross roads :

EAST SIDE

A Cross Road
Dinshaw Vachha Road
Vir Nariman Road
A Cross Road
Road "B"
"C" Road
Road "D"
A Road
A Road
A Road
A Road

NEW NAGPADA ROAD

BOMBAY No. 8

(Jurisdiction : Nagpada Police Station)
[From Bellasis, Ripon, Dimtimkar and Clara Roads to Victoria Gardens Road]

These are the cross roads :

SOUTH SIDE

1st Peerkhani Street
3rd Peerkhani Street
Victoria Gardens Road

NORTH SIDE

A Lane
A Lane
Victoria Gardens Road

NEW QUEEN'S ROAD

BOMBAY No. 4

(Jurisdiction : Lamington Rd. Police Station)
[From Charni Road and Queen's Road to Girgaum Road and Sardar Vallabhbhai Patel Road]

These are the cross roads :

WEST SIDE

Mathew Road
Mathew Road and Sandhurst Bridge

EAST SIDE
Lawington Road South
Tata Road 1 (Private)
Charni Road and Queen's Road

NICOL ROAD

BOMBAY No. 1

(Jurisdiction : *Palton Rd. Police Station*)
 [From *Ballard Pier Road* to *Fort Street*]

These are the cross roads :

EAST SIDE
Wilson Road
Graham Road
Currimbhoy Road

WEST SIDE
Cochin Street
Calicut Street
Mangalore Street
Kumbla Street
Karwar Street
Goa Street
Fort Street

OAK LANE

BOMBAY No. 1

(Jurisdiction : *Palton Rd. Police Station*)
 [From *Medowes Street* to *Mahatma Gandhi Road*]

OLIVER ROAD

BOMBAY No. 1

(Jurisdiction : *Colaba Police Station*)
 [From *Garden Road* to *Walton Road*]

These are the cross roads :

WEST SIDE
Walton Road

EAST SIDE
Walton Road

ORMISTON STREET

BOMBAY No. 1

(Jurisdiction : *Colaba Police Station*)
 [From *Wodehouse Road* to *Strand Road*]

These are the cross roads :

NORTH SIDE
Colaba Causeway Road
Merewether Road
Strand Road

SOUTH SIDE
Accommodation Road
Colaba Causeway Road
Merewether Road
Strand Road

OUTRAM ROAD

BOMBAY No. 1

(Jurisdiction : *Esplanade Police Station*)
 [From *Waudby Road* to *Hornby Road*]

These are the cross roads :

SOUTH SIDE
Murran Road
Prescott Road
Basilton Road
Hornby Road

NORTH SIDE
Murran Road
Basilton Road
Hornby Road

OWEN DUNN ROAD

BOMBAY No. 7

(Jurisdiction : *Camdevi Police Station*)
 [From *Hughes Road* to *Alexandra Road*]

These are the cross roads :

EAST SIDE
A Lane
Laburnum Road

A Private Lane
Alexandra Road
Gowalia Tank Playing Ground

WEST SIDE

Tejpal Road
Hughes Road

PALTON ROAD

BOMBAY No. 1

(The Postal authorities and the Police spell the name of this road with an 'o' while the road sign spells it with an 'a').

(Jurisdiction : *Palton Rd. Police Station*)
 [From *Carnac Road* to *Hornby Road*]

These are the cross roads :

WEST SIDE
Market Road
Hornby Road

EAST SIDE
Carnac Road
Musafar Khana Road
Saboo Sidick Road
Hornby Road

PANDIT JAWAHARLAL NEHRU ROAD

BOMBAY No. 25

(Jurisdiction : *Santa Cruz Police Station*)
 [From *Santa Cruz Railway Crossing* to the *Junction of the Roads* leading to *Santa Cruz Airport* and *Kalina Government Housing Colony*]

These are the cross roads :

SOUTH SIDE
6th Road
7th Road
8th Road
9th Road
10th Road
Vakola Bridge Lane
Vakola Pipe Line
A Street
Kalina Road

NORTH SIDE
A Road
A small Lane
Vakola Pipe Line
Santa Cruz Airport Road

PAREL CHAWL ROAD

BOMBAY No. 12

(Jurisdiction : *Kalachowki Police Station*)
 [From *Victoria Gardens Road* to *Suparibaug Road*]

These are the cross roads :

EAST SIDE
A Lane
Kalachowki Road
Lane leading to Lalbaug Market
Government Gate Road

WEST SIDE
A Lane
Arthur Road
A Lane
Kalachowki Road
A Lane
Parel Road Cross Lane
Victoria Gardens Road

PARSEE BAZAAR STREET

BOMBAY No. 1

(Jurisdiction : *Palton Rd. Police Station*)
 [From *Horniman Circle* to *Gundow Street*]

These are the cross roads :

WEST SIDE
Ghoga Street
Nadirshah Sukhia Street

Sir Phirozshah Mehta Road
A Cross Lane
Gundow Street
Store Lane
Sir Phirozshah Mehta Road
Gundow Street

PAWAI ROAD

BOMBAY No. 6

(Jurisdiction : *Camdevi Police Station*)
 [From *Mount Pleasant Road*]

PEDDER ROAD

BOMBAY No. 26

(Jurisdiction : *Camdevi Police Station*)
 [From *Bhulabhai Desai Road* to *Gowalia Tank Road*]

These are the cross roads :

EAST SIDE
Behramji Gamadia Hall
A Lane
Lane leading to Hill Grange School
Carmichael Road
Hermitage Road
Gowalia Tank and Gibbs Roads

WEST SIDE
Navroji Gamadia Road
A Road
Lane leading to Ebrahim Cassum Estate
Gowalia Tank and Gibbs Roads

PERRY ROAD

BOMBAY No. 20

(Jurisdiction : *Bandra Police Station*)
 [From *Turner Road-Pali Road Junction* to *Sea Face*]

These are the cross roads :

WEST SIDE
Cyril Road
A Lane
St. Andrews Road
D'Monte Park Road
St. Paul Road
A Road
A Road
A Road

EAST SIDE
A Road
St. Paul Road
A Road
St. Cyril Road
Turner Road-Pali Road Junction

PHIROZESHAH MEHTA ROAD (SIR)

BOMBAY No. 1

(Jurisdiction : *Palton Rd. Police Station*)
 [From *Hornby Road* to *Mint Road*]

These are the cross roads :

SOUTH SIDE
Pitha Street
Cowasji Patel Street
Parsee Bazar Street
Homji Street
Bazar Gate Street
Mint Road

NORTH SIDE
Cowasji Patel Street
Parsee Bazar Street
A Lane
Bazar Gate Street
Mody Street
Mint Road

PICKET CROSS ROAD

BOMBAY NO. 2

(Jurisdiction : Princess St. Police Station)

[From Lohar Street to Picket Road]

This is a cross road :

EAST SIDE

Lohar Street

PICKET ROAD

BOMBAY NO. 2

(Jurisdiction : Princess St. Police Station)

[From Carnac Road to Kalbadevi Road]

These are the cross roads :

SOUTH SIDE

Kalbadevi Road

NORTH SIDE

Picket Cross Road

PRESCOTT ROAD

BOMBAY NO. 1

(Jurisdiction : Esplanade Police Station)

[From Napier Road to Outram Road]

PRINCESS STREET

BOMBAY NO. 2

(Jurisdiction : Princess St. and Esplanade Police Stations)

[From Sheikh Memon St. (Jumma Masjid) to Queen's Road]

(Jurisdiction : Princess St. Police Station)

These are the cross roads :

SOUTH SIDE

Mangaldas Road
Pathakwadi Road
Lohar Street

(Jurisdiction : Esplanade Police Station)

Kalbadevi Road
Girgaum Road
Chandanwadi Road
Queen's Road

(Jurisdiction : Princess St. Police Station)

NORTH SIDE

Chandanwadi Road
Girgaum Road
Kalbadevi Road
Babu Genu Road
Old Hanuman Street
Sheikh Memon Street**PROCTOR ROAD**

BOMBAY NO. 7

(Jurisdiction : Lamington Rd. Police Station)

[From Grant Road (Bridge) to Vithalbhai Patel Road]

These are the cross roads :

SOUTH SIDE

Lamington Road and Grant Road Junction

EAST SIDE

Kila Lane
Vithalbhai Patel Road

WEST SIDE

Frere Bridge

PYDHONIE ROAD

BOMBAY NO. 9

(Jurisdiction : Pydhonie and Dongri Section Police Stations)

[From Ibrahim Rahimtoola Road to Narri Natha Street]

These are the cross roads :

NORTH SIDE

(Jurisdiction : Dongri Section Police Station)

Mahomedally Road
Memonwada Road
Kambekar Street
Jakaria Masjid Street
Dontad Street
Nishanpada Road
Tantampur Lane
Samuel Street
Narsi Natha Street

(Jurisdiction : Pydhonie Police Station)

SOUTH SIDE

Samuel Street
Tantampur Lane
Dontad Street
Jakaria Masjid Street
Kambekar Street
Memonwada Road
Mohomedali Road
Narayan Dhuru Street
Kolsa Street**QUEEN'S ROAD**

BOMBAY NO. 4

(Jurisdiction : Colaba, Esplanade & Princess St. Police Stations)

[From Wodehouse Road to Charni Road]

These are the cross roads :

WEST SIDE

A Road
A Lane
A Road
Dinshaw Wakhha Road
Jamshetji Tata Road
Vr Nariman Street

EAST SIDE

Charni Road
Thakurdwar Road
Princess Street
Dr. Cawasji Hormusji Street
Nanabhai Byramji Qart
1st Marine Street
Willoughby Road
Carnegy Road
Dinshaw Mulla Road
A Cross Road
A Road
Vr Nariman Street
Bandstand
Wodehouse Road**RAMPART ROW**

BOMBAY NO. 1

(Jurisdiction : Palton Rd. Police Station)

[From Mahatma Gandhi Road to Apollo Street]

These are the cross roads :

NORTH SIDE

Ropewalk Street
Bakehouse Lane
Apollo Street**RAVELIN STREET**

BOMBAY NO. 1

(Jurisdiction : Esplanade Police Station)

[From Hornby Road to Waudby Road]

These are the cross roads :

NORTH SIDE

Bastion Road
Murban Road

SOUTH SIDE

Bastion Road
Murban Road
Waudby Road**REAY ROAD**

BOMBAY NO. 10

(Jurisdiction : Byculla Police Station)

[From Wadi Lunder Road to Arch Bungalow Road]

These are the cross roads :

WEST SIDE

Dockyard Road
Gun Powder Road
Matarpakhadi Road
A Road
A Street
Tank Bunder Road
A Road
Connaught Road
Connaught Cross Road
Arched Bungalow Road
Albert Road
Ghorupdeo Road
Farel Tank & Kalachowsky Roads

EAST SIDE

Jakaria Bunder Road
A Street
Dockyard Road
D'Lima Street
Nawab Tank Bridge Road
Wadi Bunder Road and Frere Road**REBSCH STREET**

BOMBAY NO. 11

(Jurisdiction : Agripada Police Station)

[From Club Back Road to Gell Street]

These are the cross roads :

WEST SIDE

Reynold Road
Souter Street and Cirus Avenue
Wylie Road
Gell Street

EAST SIDE

Reynold Road
Souter Street
Wylie Street
Gell Street**REYNOLD'S ROAD**

BOMBAY NO. 8

(Jurisdiction : Agripada Police Station)

[From Morland Road to Club Back Road]

These are the cross roads :

WEST SIDE

Rebsch Street

EAST SIDE

Rebsch Street
Club Back Road**RIDGE ROAD**

BOMBAY NO. 6

(Jurisdiction : Camdevi Police Station)

[From Gibbs Road (Reservoir) to Walkeshwar Road]

These are the cross roads :

NORTH SIDE

Little Gibbs Road
Nepean Road
Mount Pleasant Road
Winter Road
Wilderness Road
Harkness Road

SOUTH SIDE

Siri Road

RIPON ROAD

BOMBAY NO. 11

(Jurisdiction : Agripada & Nagpada Police Stations)

[From Bellasis Road to Jacob's Circle]

(Jurisdiction : Nagpada Police Station)

These are the cross roads :

WEST SIDE

A Lane
A Lane
A Lane
Muhamaden Street
Madanpura Street
Ghellaaboy Street

(Jurisdiction : Agripada Police Station)

Sankli Street
Souter Street
Morland Road and Gell Street
Jacob Circle

EAST SIDE

(Jurisdiction : Nagpada Police Station)

Clare Road
A Lane
A Lane
Ripon Road Cross Lane

(Jurisdiction : Agripada Police Station)

Sankli Street
Souter Street
Tank Pakhadi Road
A Lane
Byculia Station Road
Jacob's Circle

ROPEWALK STREET

BOMBAY NO. 1

(Jurisdiction : Palton Rd. Police Station)

[From Rampart Row to Military Square Lane]

These are the cross roads :

WEST SIDE

Forbes Street
Military Square Lane

EAST SIDE

Forbes Street
Military Square Lane

RUTHERFIELD STREET

BOMBAY NO. 1

(Jurisdiction : Palton Rd. Police Station)

[From Forbes Street to Military Square Lane]

SAMUEL STREET

BOMBAY NO. 9

(Jurisdiction : Pydhonie and Dongri Police Stations)

[From Sardar Vallabhbhai Patel Road to Bhandari Road]

(Jurisdiction : Dongri Police Station)

These are the cross roads :

EAST SIDE

Chinch Bunder 1st Road

(Jurisdiction : Pydhonie Police Station)

Pydhonie Road
East Sayed Street
Musjid Bunder Road
Mirchi Street
Isaji Street
Bardan Street
Bhandari Street Cross Lane
Bhandari Street

(Jurisdiction : Dongri Police Station)

WEST SIDE

Nishanpada 1st Cross Lane

(Jurisdiction : Pydhonie Police Station)

Chinch Bunder 1st Road
Pydhonie Road
Samuel Cross Lane
Tanlanpura Street
Israel Moholla
Musjid Bunder Road
Garibdas Street
A Lane
DeSouza Street
Bhandari Street

SANDHURST ROAD (EAST)

(See Sardar Vallabhbhai Patel Road)

SANDHURST ROAD (WEST)

BOMBAY NO. 3

(Jurisdiction : Lamington Rd. & Maharbowri Police Stations).

[From Chowpaty to Bhendi Bazar]

These are the cross roads :

SOUTH SIDE

Chowpaty Sea Face
Mathew, Queen's and Girgaum Roads
Lamington Road
Dr. Achantikabai Gokhale Road
Benham Hall Lane
Vithalbai Patel Road
Charni Road
Nawalkar Lane
Paruck Wadi
Dubashwadi Lane
Khetwadi Main Road

[From Khetwadi 4th Lane to Bhendi Bazar]

Khetwadi 3rd Lane
Khetwadi 2nd Lane
Khetwadi 1st Lane
Ardeshr Dady Street
Falkland Road
Northbrook Street
Kumbharwada Street
Bhandari Street
Duncan Road
Bara Imam Road
Doctor Street
Erskine Road
Nizam Cross Lane
Bhendi Bazar

NORTH SIDE

Bhendi Bazar
Haloo Street
Dhabu Street
Doctor Street
Mutton Street
Chimna Butcher Street
Bara Imam Road
Duncan Road
Bhandari Street
Kumbharwada Street
Northbrook Street
1st Pathan Street
Trimbak Parsharam Street
Falkland Road
Khetwadi Back Road
Khetwadi 2nd Lane
Khetwadi 3rd Lane
Khetwadi 4th Lane
Khetwadi 5th Lane
Khetwadi 6th Lane
Khetwadi 7th Lane
Khetwadi Main Road
Dr. Bhajekar Street
Charni Road
Parekh Street
Vithalbai Patel Road
Lamington Road
Girgaum Road
French Bridge
Sandhurst Bridge
Hughes Road
Chowpaty Parade

SANKLI STREET

Bombay No. 8

(Jurisdiction : Nagpada Police Station)

[From Clare Road to Morland Road]

These are the cross roads :

NORTH SIDE

Sankli 2nd Cross Lane
3rd Sankli Street Cross Lane

SOUTH SIDE

A Lane
Ripon Road
Reynold's Road
Morland Road

SARDAR VALLABHBHAI PATEL ROAD

(Formerly called Sandhurst Road (East))

BOMBAY NO. 9

(Jurisdiction : Dongri Police Station)

[From Ebrahim Rahimtoola Road (Bhendi Bazar) to Chinch Bunder Road]

These are the cross roads :

SOUTH SIDE

Memonwada Road,
Kumbekar Street
Jakuria Musjid Street
Tandel Street
Nishanpada Road
Samuel Street
Dongri Street
Chinch Bunder Road

NORTH SIDE

Haji Bachooally Road
Jail Road East
Umerkhadi Cross Street
Nishanpada Road,
Tandel Street
Dharamshala Road
Memonwada Road
Ebrahim Rahimtoola Road

SHAMSHET STREET

BOMBAY NO. 2

(Jurisdiction : Princess St. Police Station)

[From Abdul Rehman Street to Sheikh Memon Street]

These are the cross roads :

NORTH SIDE

Sheikh Memon Street

SOUTH SIDE

Abdul Rehman Street

SHEIKH MEMON STREET

BOMBAY NO. 2

(Jurisdiction : Princess St. Police Station)

[From Carnac Road and Lohar Street to Kalbadevi Road]

These are the cross roads :

WEST SIDE

Kitchen Garden Lane
Princess Street
Bohra Musjid Lane
1st Ganeshwadi
2nd Ganeshwadi
Moolji Jetha Market, Navi Gully
Chikhai Gully
Moolji Jetha Market, Ghadial Gully
Moolji Jetha Market, Dadar Gully
Champa Wadi
Vithal Wadi
Kalbadevi Road

EAST SIDE

Mumbadevi Road
1st Agiari Lane
2nd Agiari Lane

Sheikh Memon Street—contd.

Mirza Street
Shamset Street
Sutar Chawl
Janfkar Street
Mirchi Bazaar Lane
Pinjari Street
Carnac Road

SHERIFF DEVJEE STREET

(CHAKLA STREET)

BOMBAY No. 3

(Jurisdiction: Pydbonie Police Station)

[From Carnac Road to Musjid Bunder Road and Jakaria Musjid Street]

These are the cross roads :

WEST SIDE

Janfkar Street
Bhajibala Street
Bibijan Street
Musjid Bunder Road and Zakaria Musjid Road

EAST SIDE

Kumbharwada Lane
Chakla Cross Lane
Bhandari Street
Janfkar Street
Carnac Road

SLEATER ROAD

BOMBAY No. 7

(Jurisdiction: Lamington Rd. Police Station)

[From Falkland Low Level Road to Tardao and Grant Roads]

These are the cross roads :

WEST SIDE

Tukaram Jayji Road
Jehangir Daji Cross Lane
Shankershet Road
Sleater Road 2nd Cross Lane
Sleater Road 1st Cross Lane
Tardao and Grant Roads

EAST SIDE*Lady Pochkhanawala Road***SOBANI ROAD**

BOMBAY No. 5

(Jurisdiction: Colaba Police Station)

[From Khatau Road to Kirtidge Road]

These are the cross roads :

EAST SIDE

Fazal Road
Kirtidge Road

WEST SIDE*Fazal Road***SORAB BHARUCHA ROAD**

BOMBAY No. 5

(Jurisdiction: Colaba Police Station)

[From Colaba Road]

SOUTER STREET

BOMBAY No. 8

(Jurisdiction: Agripada Police Station)

[From Lamington Road to De Lisle Road]

These are the cross roads :

SOUTH SIDE

Club Back Road
Rebsch Street
Morland Road

Ripon Road

A Street
Tank Pakhadi Road
Budloo Rangari Road
3rd Sankli Street Cross Lane
2nd Sankli Street Cross Lane
Souler Street
Haines Road

NORTH SIDE

Mollibai Street
Cirrus Avenue
Rebsch Street
Agripada Chawl Street
Morland Road
Ripon Road
Water Street
Haines Road

SOUTH AVENUE

BOMBAY No. 21 & 23

(Jurisdiction: Bandra Police Station)

[From Ghodbunder Road to Linking Road and Dadabai Road]

These are the cross roads :

SOUTH SIDE

1st Avenue
Central Avenue
West Avenue
Linking Road

NORTH SIDE

Dadabai Road
West Avenue
Central Avenue
1st Avenue
Ghodbunder Road

SPROTT ROAD

BOMBAY No. 1

(Jurisdiction: Palton Rd. Police Station)

[From Ballard Road to Wiltet Road]

These are the cross roads :

EAST SIDE

Dougall Road
Graham Road
Wiltet Road

WEST SIDE

Wilson Road
Graham Road
Currimbhoy Road
Wiltet Road

St. GEORGE'S ROAD

BOMBAY No. 1

(Jurisdiction: Palton Rd. Police Station)

This is the cross road :

NORTH SIDE*Frere Road***St. MARY'S ROAD**

BOMBAY No. 10.

(Jurisdiction: Mazagaon-Byculla Police Station)

[From Mazagaon Road to Nesbit Road]

These are the cross roads :

SOUTH SIDE

A Lane
A Lane

NORTH SIDE*Nesbit Road***STEVENS STREET**

BOMBAY No. 1

(Jurisdiction: Colaba Police Station)

[From Apollo Pier Road to Lansdowne Road]

This is the cross road :

WEST SIDE*Lansdowne Road***STORE LANE**

BOMBAY No. 1

(Jurisdiction: Palton Rd. Police Station)

[From Parsi Bazar Street to Homji Street]

STRAND ROAD

BOMBAY No. 1

(Jurisdiction: Colaba Police Station)

[From Apollo Pier to Arthur Bunder Road]

These are the cross roads :

WEST SIDE

Lansdowne Road
Nurooji Fardoonji Road
Ormsion Road
Henry Road
Arthur Bunder Road

SUPARIBAUG ROAD

BOMBAY No. 12

(Jurisdiction: Kalachowki Police Station)

[From Dadar Road to Parcel Chawl Road]

These are the cross roads :

EAST SIDE

Gokhale Society Lane
Dr. Balkwala Road
Jehangir Merwanji Street
Dadabhoy Chamarbagwala Road
Aimai Merwanji Street
Chamarbag Road
A Lane
A small Lane
Dr. Shirodkar Road
Hospital Avenue
Jijibhoy Lane
A Lane
Parcel Chawl Road

WEST SIDE

Parcel Chawl Road
Currey Road
A Small Lane
Entrance to Central Railway Workshop
A Small Lane
A Lane
A Lane
A Lane
Elphinstone Road

SUSSEX ROAD

BOMBAY No. 27

(Jurisdiction: Byculla Police Station)

[From Connaught Road to Victoria Gardens Road]

These are the cross roads :

NORTH SIDE

Cork Road
Victoria Gardens Road

SOUTH SIDE*Connaught Road***SUTAR CHAWL**

BOMBAY No. 2

(Jurisdiction: Princess St. Police Station)

[From Abdul Rahman Street to Sheikh Memon Street]

These are the cross roads :

NORTH SIDE*Sheikh Memon Street*

SOUTH SIDE
Abdul Rehman Street

TAMARIND LANE

BOMBAY No. 1

(Jurisdiction : **Falton Rd. Police Station**)
[From *Meadows Street* to *Vir Nariman Street*]

These are the cross roads :

NORTH AND WEST SIDES

Dean Lane
Bruce Street
Armenian Lane
Vir Nariman Street

SOUTH AND EAST SIDES

Dean Lane
Bruce Street

TARDEO ROAD

BOMBAY No. 7

(Jurisdiction : **Gamdevi Police Station**)

[From the Corner of *Gowalia Tank Road* and *Grant Road* to *Clerk Road* and *Hornby Vellard*]

These are the cross roads :

EAST SIDE

Shanker Sheth Lane
Jagannath Street
Tukaram Javji Road
Falkland Road
Wadia Street
Wadia Street
Avabat Kashinath Road
Sir Ratan Tata Road
Tulsi Wadi
Clerk Road

WEST SIDE

Gamadia Colony Road
Forjett Street
Bat Molibai Street
Bat Dinbai Street
Gowalia Tank Road & Grant Road

TATA ROAD No. 1

BOMBAY No. 4

(Jurisdiction : **Lamington Rd. Police Station**)
(Private Road)

[From *New Queen's Road* to *Girgaum Road*]

TATA ROAD No. 2

BOMBAY No. 4

(Jurisdiction : **Lamington Rd. Police Station**)
[From *Tata Road No. 1* to *Charni Road*]

TEJPAL ROAD

BOMBAY No. 7

(Jurisdiction : **Gamdevi Police Station**)
[From *Owen Dunn Road*]

THAKURDWAR ROAD

BOMBAY No. 2

(Jurisdiction : **Maharbowri and Princess Street Police Stations**)
[From *Vithalbhai Patel Road* and *Bhuleshwar Road* to *Queen's Road*]

(Jurisdiction : **Maharbowri Police Station**)
These are the cross roads :

NORTH SIDE

Khattarally Lane
Mughlat Lane
Girgaum Road
Queen's Road

(Jurisdiction : **Princess St. Police Station**)

SOUTH SIDE

Karel Wadi
Girgaum Road
Fanaswadi
Khattarally 2nd Lane
Kumbhar Lane

TRIBHOVAN ROAD

BOMBAY No. 4

(Jurisdiction : **Lamington Rd. Police Station**)
[From *Charni Road* to *Lamington Road*]

These are the cross roads :

SOUTH SIDE

Lamington Road

NORTH SIDE

Padamji Road
Charni Road

TULLOCH ROAD

BOMBAY No. 1

(Jurisdiction : **Colaba Police Station**)
[From *Lansdowne Road* to *Nauroji Fardoonji Road*]

TURNER ROAD

BOMBAY No. 20

(Jurisdiction : **Bandra Police Station**)
[From *Bandra Railway Station* to *Pali Road*]

These are the cross roads :

WEST SIDE

Nawapada Road
Ghodbunder Road

SOUTH SIDE

St. Martin's Road
Water Field Road
Prof. D'Almeida's Road
Private Lane leading to the Scheme
Pali Road

NORTH SIDE

A Small Lane
A Small Lane
Ghodbunder Road

EAST SIDE

A Private Lane
A Private Lane
Nawapada Lane

ULSTER ROAD

BOMBAY No. 27

(Jurisdiction : **Byculla Police Station**)
[From *Victoria Gardens Road* to *Cork Road*]

These are the cross roads :

NORTH SIDE

Cork Road

SOUTH SIDE

Victoria Gardens Road

UNIVERSITY ROAD

BOMBAY No. 1

(Jurisdiction : **Esplanade Police Station**)
[From *Mahatma Gandhi Road* to *Mayo Road*]

These are the cross roads :

NORTH SIDE

Hidden Road
Mayo Road

VACHAGANDHI ROAD

BOMBAY No. 7

(Jurisdiction : **Gamdevi Police Station**)
[From *Harvey Road* to *Hughes Road*]

These are the cross roads :

SOUTH SIDE

Hughes Road

NORTH SIDE

Harvey Road

VICTORIA GARDENS ROAD

BOMBAY No. 8

(Jurisdiction : **Byculla & Nagpada Police Stations**)
[From *J. J. Hospital* to *Parel Chawl Road*]

These are the cross roads :

WEST SIDE

Grant Road
Bellasis Road (Dimtimkar Road)
4th Peer Khan Street
2nd Peer Khan Street
New Nagpada Road
Shepherd Road
A Lane
Christ Church Road
Clare Road and Sankli Street
Haines Road
A Lane
Chamber Lane
A Lane
Garden Bridge Road
Parel Chawl Road

EAST SIDE

Babula Tank Road
Nesbit Road
Hansraj Lane and Love Lane
Victoria Road
Khambata Lane
Dhondy Lane
Connaught Road
Sussex Road
Uster Road
Chinchpokli Road

VICTORIA ROAD

BOMBAY No. 10

(Jurisdiction : **Byculla Police Station**)
[From *Victoria Gardens Road* to *Reay Road*]

These are the cross roads :

NORTH SIDE

3rd Victoria Cross Lane
2nd Victoria Cross Lane which leads to V. Gardens Office
1st Victoria Cross Lane
Mount Road
Reay Road Station Bridge
Reay Road

SOUTH SIDE

Mount Road
Reay Road

VINCENT ROAD

BOMBAY No. 14

(Jurisdiction : **Kingway Police Station**)
[From *Dadar Main Road* to *Sten Road*]

These are the cross roads :

EAST SIDE

A Small Lane
Govindji Kent Road
A Lane
B. J. Deorukhkar Road
Morbaug Road
Nalgaum Cross Road
Talak Road

Vincent Road—contd.

Khareghat Road
Lady Jehangir Road
Parsee Colony Road No. 5
Hormusji Adenwalla Road
Parsee Colony Road No. 34

WEST SIDE

A Street
Bhau Daji Road
A Lane
Bhandarkar Road
Chandavarkar Road
Deodhar Road
Lady Jehangir Road
Khareghat Road
Tilak Road
Kohinoor Road
Naigaum Cross Road
Gokuldas Pasta Road
A Street
Dadar Main Road

VIR NARIMAN STREET

[Formerly called *Churchgate Street*]

BOMBAY No. 1

(Jurisdiction : *Esplanade & Palton Rd. Police Stations*)

[From *Netaji Subhas Road* to *Horniman Circle*]

These are the cross roads:

SOUTH SIDE

Netaji Subhas Road
Jamshedji Tata Road
Queen's Road
Mayo Road
Mahatma Gandhi Road
Tamrarind Lane
Horniman Circle

NORTH SIDE

Road E.
Queen's Road
Marine Lines
Mayo Road
Mahatma Gandhi and Hornby Roads
Nanabhai Lane
Cawasji Patel Street
Horniman Circle

VITHALBHAI PATEL ROAD

BOMBAY No. 4

(Jurisdiction : *Maharbowri & Lamington Road Police Stations*)

[From *Bhuleshwar* and *Thakurdwar Roads* to *Kennedy Bridge*]

These are the cross roads :

EAST SIDE

Cawasji Patel Tank
Cawasji Patel Tank Road
Ardeshir Dady Street
1st Parsiwada Lane
2nd Parsiwada Lane
Dr. Wilson Street
Dr. Deshmukh Lane
Dubash Lane 2
Dubash Lane
A Lane
Navalkar Lane
Charni Road
Sardar Vallabhbhai Patel Road
Bangad Wadi
Chaubal Lane
Lamington Road
Proctor Road
Kennedy Bridge

WEST SIDE

Paper Mill Lane
Lamington Road
Sardar Vallabhbhai Patel Road
Benham Hall Lane
Charni Road
A Small Lane
Khotachi Wadi
Amrat Wadi
A Lane
Sadashiv Street
Kakadwadi
Khadiolkar Road
Khataralli Lane
Thakurdwar-Bhuleshwar Roads

WADI BUNDER ROAD

BOMBAY No. 10

(Jurisdiction : *Dongri and Byculla Police Stations*)

[From *D'Lima Street* to *Mazagaon Road*]

(Jurisdiction : *Byculla Police Station*)

These are the cross roads :

NORTH SIDE

Reay Road
Belvedere Hill Road
Belvedere Road
A Lane
Mazagaon Road

(Jurisdiction : *Dongri Police Station*)

SOUTH SIDE

Frere Road

WALKESHWAR ROAD

BOMBAY No. 6

(Jurisdiction : *Gamdevi Police Station*)

[From *Chowpatty Sea Face* to *Government House Gate*]

These are the cross roads :

EAST SIDE

Front Gate to Government House
Shantaram Narayan Lane

WEST SIDE

Bangunga Road
Dongarsi Road & Ridge Road

WALLACE STREET

BOMBAY No. 1

(Jurisdiction : *Esplanade Police Station*)

[From *Hornby Road* to *Murzban Road*]

These are the cross roads :

SOUTH SIDE

Bastion Road

NORTH SIDE

Bastion Road
Murzban Road

WALTON ROAD

BOMBAY No. 1

(Jurisdiction : *Colaba Police Station*)

[From *Colaba Road* to *Mereuether Road*]

These are the cross roads :

SOUTH SIDE

Oliver Road

NORTH SIDE

Mereuether Road

WARDEN ROAD

(See under *Bhulabhai Desai Road*) .

WAUDBY ROAD

BOMBAY No. 1

(Jurisdiction : *Esplanade Police Station*)

[From *Hornby Road* to *Mahatma Gandhi Road*]

These are the cross roads :

EAST SIDE

Ravelin Street
Home Street
Outram Road

WEST SIDE

A Lane
Mahatma Gandhi Road

WILDERNESS ROAD

BOMBAY No. 6

Malabar Hill

(Jurisdiction : *Gamdevi Police Station*)

[From *Ridge Road* to *Nepean Sea Road*]

WILSON ROAD

BOMBAY No. 1

(Jurisdiction : *Palton Rd. Police Station*)

[From *Nicol Road* to *Sprott Road*]

WINTER ROAD

(Blind Lane)

BOMBAY No. 6

(Jurisdiction : *Gamdevi Police Station*)

[From *Ridge Road*]

WITTET ROAD

BOMBAY No. 1

(Jurisdiction : *Palton Rd. Police Station*)

[From *Fort Street* to *Ballard Road*]

These are the cross roads :

SOUTH SIDE

Sprott Road
Dougall Road
Ballard Road

WODEHOUSE ROAD

BOMBAY No. 1

(Jurisdiction : *Colaba Police Station*)

[*Mahatma Gandhi Road* (*Wellington Fountain*) to *Colaba Road*]

These are the cross roads :

SOUTH SIDE

Convent Street
Ormsion Street
Kiltridge Road
A New Road
Colaba Cross Lane
Colaba Road

WEST SIDE

Panday Road
Khatau Road
Fazul Road
Kiltridge Road
Ousse Parade
Cooperage Road
Mahatma Gandhi Road

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GRANT MEDICAL COLLEGE

Parel, Bombay No. 8.

This College was established in 1845 with the object of imparting medical instruction to the people of Western India and so named as a tribute to the memory of Sir Robert Grant, then Governor of Bombay. A moiety of the cost of the building was defrayed by Sir Robert Grant's friends and the remainder by Government. Funds for the support of the College, with the exception of certain endowments for encouragement of deserving students are contributed by Government. The Principal is subordinate to the Surgeon-General with the Government of Bombay.

Principal :—D. P. Sethna, F.R.C.S.E.

Professors :—S. J. Mehta, F.R.C.S. (Surgery); H. Y. Khwaja, F.R.C.S. (Operative Surgery); C. S. Patel, F.R.C.S. (Associate Professor of Surgery); B. B. Yodhi, M.R.C.P. (Medicine); A. Karmali, M.R.C.P. (Associate Professor of Medicine); V. N. Shirodkar, M.D., F.R.C.S. (Midwifery and Gynecology); V. K. Chitnis, D.O. (Oxon.), F.C.P.S. (Ophthalmology); H. P. Moolgaonkar, L.D.S., F.D.S.R.C.S. (Dentistry); S. G. Talvalkar, D.S.R.C.P.S. (Anesthesiology); P. V. Gharpure, M.D., D.T.M. & H. (Emeritus) (Professor of Pathology); H. I. Jhala, M.D., D.T.M. (Pathology); D. M. Telang, M.D., B.Sc. (Physiology); P. S. Dastur, M.S. (Anatomy); Jal R. Patel, M.D., F.C.P.S. (Pharmacology); H. S. Mehta, M.S., F.C.P.S. (Forensic Medicine).

INSTITUTE OF SCIENCE

Mayo Road and Mahatma Gandhi Road, Fort, Bombay.

The Institute of Science is affiliated to the University of Bombay for the teaching of the Junior and Senior courses leading to the B.Sc. degree in Mathematics, Physics, Chemistry, Botany and Zoology as also for the M.Sc. degree by papers, in Physics and Chemistry.

Research work is also carried on, students being prepared for the M.Sc., Ph.D., and higher degrees in these subjects as well as in Biochemistry. There are about 300 undergraduate and 150 post-graduate students.

Director :—Dr. F. R. Bharucha, B.A., B.Sc., M.Sc. (Cantab.), D.Sc., F.N.I.

ISMAIL YUSUF COLLEGE

Jogeshwari, Greater Bombay.

The College owes its existence to a donation of Rs. 8 lakhs made by Sir Mohamud Yusuf for promoting the higher education of Muslim youths. It is open to all communities. It is a Government Institution teaching the Arts Courses up to the M. A. Examination and Science Courses up to the B.Sc. degree. It occupies a commanding site on a hill and with its fine playgrounds and hostel facilities, it affords unique opportunities for work and play.

Principal, G. C. Bannerjee, M.A. (Bom.), B.A. (Oxon.).

JAI HIND COLLEGE AND BASANTSING INSTITUTE OF SCIENCE

23-24, Backbay Reclamation, 'A' Road, Bombay 1.

The College is affiliated to the University of Bombay and imparts instruction upto M.A. (Arts) and B.Sc. (Science) courses. It was started by the Sind Educationists Association in June 1948, after the partition of the country for the displaced students from Pakistan; but local students of all communities are also admitted.

With the commencement of the academic year June 1952, both the Arts and Science Sections of the College function in the New Building of the College on the Backbay Reclamation

Principal :—T. M. Advani.

KHALSA COLLEGE

King's Circle, Bombay 19.

The College is completely financed, managed and controlled by the Shikshani Gurdwara Parbandhak Committee, the Premier Sikh Organisation with its headquarters at Amritsar, Punjab. The College is situated in tranquil open surroundings and is housed in an imposing three-storied building of fine architectural design. The Management has built a new hostel for the benefit of students at a cost of about Rs. 5 lakhs. Though financed entirely by the Sikh community, the College is cosmopolitan in its policy and provides equal opportunities to all communities and allocates a handsome amount every year for help to poor and deserving students. Its science laboratories and library are very well equipped. The College was affiliated to the Bombay University in July 1937, and admits students to all classes up to M.A. in Arts, and M.Sc. in Science.

Principal, G. S. Pal, M.Sc. (Punjab).

MARINE COLLEGE AND SEAMEN'S ORPHANAGE

Nhava.

These charitable Institutions were founded by Sir Mohamud Yusuf in 1910 for imparting general, Nautical and Industrial education to poor and orphan boys of Indian Seamen

Industrial training in Carpentry, Weaving and Tailoring courses and Nautical training in Sailor, Quartermaster and Boatswain courses have been recognised by the Director of Technical Education. Selected boys are trained for Home Trade Mate, Radio Telegraphy and Marine Motor Engine Driver's Courses.

Address :—Estate Manager, Novha House, Queen's Road, Bombay 2.

NAIR HOSPITAL DENTAL COLLEGE

Lamington Road (North), Jetha Street, Bombay 8.

The Nair Hospital Dental College is a Teaching Institution in Dentistry which was started in the year 1933, and is recognised by the Government of India. It has a 4 years' Course, leading up to L.D.Sc. Diploma; Minimum Qualification for admission is I.Sc. (B Group). It maintains a Dental Clinic, where patients are treated at a nominal cost under the supervision of qualified Dental Surgeons. From 1st November 1946 it has been managed by the Bombay Municipality.

Dean, V. M. Desai, F.D., F.R.C.S., D.D.S., F.I.C.D.

PRABHURAM AYURVEDIC COLLEGE

Bhuleswar, Bombay.

Originally started by the late Valdyaraj Prabhuram Jivanram of Bombay under the Presidentship of the late Mr. Justice M. G. Ranadey, as an Institution to impart scientific knowledge of Ayurved, to grant Diplomas to students after passing systematic examinations held by the Dr. Popat University of Ayurved, established by Sir A. M. K. Dehlavi.

It controls the Thakkar Dayal Bhimji Ayurved Aushadhalaya.

The Institutions are managed by a Board of Trustees, Dean, Registrar and the General Secretary.

RAMBILAS ANANDILAL PODAR MEDICAL COLLEGE (AYURVEDIC)

Worli, Bombay.

This College was established with a munificent donation from late Shri Seth Anandilal Podar in 1941 and is being run entirely by the Bombay Government. Since 1952 a degree course of 1½ years in Ayurveda is introduced according to the syllabus fixed by the Faculty of Ayurvedic & Unani Tibbi Systems of Medicine, Bombay, and the degree called G.F.A.M. (Graduate of Faculty of Ayurvedic Medicine) will be awarded by the same Faculty to the successful candidates. The examinations are held by the same Faculty. The syllabus is a combined one comprising both Ayurvedic & Allopathic subjects. There is excellent arrangement for teaching & training of the students both in theory and practicals, with a highly qualified staff with post-graduate qualifications. There is a well-equipped hospital (M. A. Podar Hospital) attached to the College, with Medical, Surgical, Maternity, Gynaec, Casualty, X-Ray & Pathology Departments.

Principal :—M. K. Shastri, B.A., Ayurvedacharya

RAMNARAIN RUIA COLLEGE

Matunga (C.R.), Bombay 19.

The College was started in 1937 by the Shikshan Prasarak Mandali, Poona, to serve the North of Bombay. The Mandali was assisted in its establishment by Seth Ramnivas Ramnarain Ruia, J.P., with a donation of Rs. 2 lakhs in recognition of which the College was named after his father, the late Seth Ramnarain Haranandral. The College was granted permanent affiliation by the University in June 1940.

Principal :—N. N. Murti, B.A., Ph.D. (Lond.), D.L.C. (Lond.).

Vice-Principals :—B. Y. Oke, M.Sc.; B. V. Mohile, M.Sc.

RAMNIRAJAN ANANDILAL PODAR COLLEGE OF COMMERCE AND ECONOMICS

Matunga, (C.R.), Bombay 19.

In memory of the late Shri Ramnirajan Anandilal Podar, his brothers Seth Ramdeoaji and Seth Ramnathji Podar made a munificent donation in the form of a building to house a Commerce College whose administration rests in the hands of the Shikshana Prasarak Mandali of Poona. In June 1941, the Mandali started this College and named it after the late R. A. Podar.

The Institution is now a full-grade College offering instruction in courses of study leading up to the B.Com. degree of the University of Bombay. It has a teaching staff of 35 members and facilities exist for the teaching of Accounting and Auditing, Banking, Actuarial Science, Organisation of Indian Cotton Industry, Public Finance, Statistics and Economics of Transport, which are optional subjects for the B. Com. degree of the University of Bombay. The College also admits students for the M.Com. degree. Various important commercial bodies in Bombay are represented on the Advisory Committee of the College.

Chairman of the Managing Council, Shikshana Prasarak Mandali :—Mahamahopadhyaya Datto Vaman Podar.

Chairman of the Advisory Committee :—Seth Ramdeoaji A. Podar.

Principal :—L. N. Welingkar, B.Sc. (Econ.), London.

RISHI DAYARAM & SETH HASSARAM NATIONAL COLLEGE & SETH WASSIAMULL ASSOMULL SCIENCE COLLEGE

Bandra, Bombay 20.

Started in June 1949 as a second grade College in Arts and Science, B.A. classes, general and special were added in June 1950. From June 1951, B.Sc., M.A. and M.Sc. classes were introduced. The College housed in its own R. C. C. building, is entirely due to the joint efforts of Shri H. G. Advani Bar-at-law and Prof. K. M. Kundanani, President and Secretary respectively of the Managing Board, and the support given to them by the late Seth Kishinchand Chellaram and Messrs. Wassiamull

Assomull. The College is a sequel to the "Dayaram Gidumal National College" (in memory of the late Diwan Dayaram Gidumal, C.S., Sindhi savant, social reformer, educationalist and philanthropist), and "Seth Hassaram Rihumal College of Commerce and Economics", at Hyderabad, Sind (W. Pakistan). Following the partition of the country, both these institutions (managed by the Hyderabad, Sind National Collegiate Board) were taken over by the Government of Sind under the Pakistan Economics Rehabilitation Ordinance. Generous donations have also been given by (1) Messrs. Kishinchand Chellaram, famous firm of Silk merchants, for a Hostel in memory of Bhai Tahilram Kishinchand, and (2) the "Watumull Foundation", of Los Angeles (U.S.A.), through Mrs. G. J. Watumull and Mr. J. Watumull, for an Assembly Hall in the College.

Principal :—Prof. K. M. Kundnani, M.Sc.

SECONDARY TRAINING COLLEGE

Crickchank Road.

The Secondary Training College is a Government College for the Training of Secondary Teachers and for the promotion of educational research. The College is located in the Elphinstone Technical High School building, Crickchank Road, and uses the Elphinstone Technical High School as its main Practising School.

The College is affiliated to the Bombay University for purposes of the Degrees of Bachelor of Teaching and Master of Education. It trains teachers and undertakes investigations into educational problems.

Principal : S. Panandikar, M.A., M.Lit.

SETH GORDHANDAS SUNDERDAS MEDICAL COLLEGE

King Edward Road, Parel, Bombay 12.

The Seth Gordhandas Sunderdas Medical College is the outcome of a munificent endowment to the Bombay Municipal Corporation out of the estate of the late Seth Gordhandas Sunderdas. The College is equipped and maintained by the Municipal Corporation and is affiliated to the University of Bombay. It was opened in June 1926. The Museum building attached to the College is a separate one constructed out of the proceeds of a donation made by the Trustees of the Seth Jammadas Lalubhai Charities and funds sanctioned by the Corporation.

Dean : Dr. R. G. Dhayagude, M.D. (Bom.).

Assistant Dean : Dr. V. V. Jadhav, M.B.B.S.

PROFESSORS.

Dr. K. C. Batliwalla, M.B.B.S., Ph.D., Professor of Physiology; Dr. N. M. Purandare, M.D., Professor of Pathology and Bacteriology; Dr. G. M. Kurulkar, M.B. B.S., Professor of Anatomy (Temp.); Dr. R. A. Lewis, M.D., Professor of Pharmacology (*Visiting Professor*).

ASSISTANT PROFESSORS

Dr. W. B. Bhawo, M.B.B.S., B.Sc., Assistant Professor of Pharmacology; Dr. R. G. Chitre, M.Sc., Ph.D., Assistant Professor of Bio-chemistry; Dr. S. N. Kothare, M.D., D.T.M. & H. (Lond.), Assistant Professor of Pathology and Bacteriology; Dr. D. D. Banker, M.D., Assistant Professor of Pathology and Bacteriology; Dr. E. J. Vaz, B.Sc., M.B.B.S., Assistant Professor of Physiology (Temp.).

SIDDHARTH COLLEGE OF ARTS AND SCIENCE

Albert Building, Hornby Road, Fort, Bombay 1.

This College was founded on 20th June 1946 by the People's Education Society of which the Hon'ble Dr. B. R. Ambedkar is the Chairman. Its object is to bring Collegiate education within the reach of middle and poor classes of society. It gives special facilities in the matter of fees, hostel accommodation, books, etc., to students belonging to Scheduled Castes.

Members of the Governing Body of the Society.—Dr. B. R. Ambedkar; N. Shivraj; S. K. Bole; D. G. Jadhav; M. B. Samarth; S. C. Joshi; G. T. Meshram; R. R. Bhole; H. K. Patel; J. H. Subiah and M. V. Donde (*General Secretary*).

Members of the Executive Committee of the College.—Dr. B. R. Ambedkar; D. G. Jadhav; S. K. Bole; B. K. Gaikwad; M. V. Donde; Prof. V. G. Rao; Dr. V. S. Patankar, *Principal*; and K. V. Chitre, *Registrar*.

The College holds all classes leading up to B.A. and M.A. degrees on the Arts side and B.Sc. and M.Sc. degrees on the Science side. It holds its Arts classes in the morning from 7-30 a.m. to 10-45 a.m., thus enabling poor and middle class people, who are in service to receive University education by attending these morning classes.

Staff.—Dr. V. S. Patankar (*Principal*); Dr. H. B. Karnik (*Vice-Principal*).

The Society runs another Arts and Science College at Aurangabad in the Hyderabad State at P. Cantonment, Aurangabad (Dn.). Prof. M. B. Chitnis previously of the Siddharth College, Bombay is the Principal.

SIDDHARTH COLLEGE OF COMMERCE AND ECONOMICS

Dr. Dadabhai Nowroji Street, Bombay 1.

This college was started by the People's Education Society in June, 1953 to cater to the educational needs of the growing population of the city in general and to promote higher education among the Backward Classes in particular.

This college is affiliated to the Bombay University and offers instruction at present, in courses leading upto Intermediate Commerce Examination.

Members of the Governing Body.—Dr. B. R. Ambedkar (*Chairman*); N. Shivraj; D. G. Jadhav; R. R. Bhole; J. H. Subbiah; H. K. Patel; C. N. Mohite; S. K. Bole; M. V. Donde; S. C. Joshi; M. B. Samarth; K. V. Chitre (*Asstt. General Secretary*).

Members of the Executive Committee.—Dr. B. R. Ambedkar (*Chairman*); Dr. S. G. Panandikar; D. G. Jadhav; M. V. Donde; R. D. Bhandare; R. D. Kavli; G. R. Dalvi; K. B. Talwatkar.

Principal.—G. R. Dalvi; **Staff**.—R. B. Joshi; J. H. Dave; M. V. Mull; K. A. Desai; B. N. Patel; R. A. Tendulkar; Mrs. Agular.

S. N. D. THACKERSEY WOMEN'S UNIVERSITY

1, Nathibai Thackersey Road, Queen's Road, Bombay No. 1.

The idea of this University was first conceived by Dr. D. K. Karve who had two ideals in view, namely (1) the use of mother-tongue as the most natural and effective medium of instruction and (2) differentiation in the courses of study at a certain stage to suit the different roles played by men and women in the social and economic life of the country. It is a teaching University and was inaugurated in 1916. Dr. Karve was the first Registrar and Dr. Ramkrishna Bhandarkar, the first Chancellor. A High School and a College (at Poona) were later affiliated to it. Thanks to public support and a magnificent donation of Rs. 15,00,000 from Sir Vithaldas Thackersey, Dr. Karve's ambition was soon realised.

The University began to function as a Statutory Body with effect from 13th January 1951 by an Act known as 'Bom. Act No. LI of 1949' and Diwan Bahadur K. M. Jhaveri, M.A., LL.B. has been elected its Vice-Chancellor.

The University conducts two Arts colleges and two high schools (in Poona and Bombay) and two Colleges, one at Ahmedabad and one at Baroda. The Government of India and the Government of Bombay in 1942 recognised its work by an initial grant of Rs. 1,00,000 each for the purpose of erecting a building and an annual recurring grant of Rs. 7,500 each since 1948. Its premises were declared open by the late Lord Brabourne, the then Governor of Bombay. The Government of Bombay and the Government of India have each sanctioned a non-recurring additional grant of Rs. 600,000.

The Senate is the Supreme Governing Body. It meets ordinarily once a year and consists of 85 members: 40 elected, 11 nominated, 32 *ex-officio*, and 2 special members. The Annual Convocation for conferring the Degrees is generally held in the month of August.

The executive government of the University is vested in a Syndicate consisting of the Vice-Chancellor, Lady Thackersey, Dr. D. K. Karve, the D. P. I., Dean of Faculty of Arts, Principals of colleges and 10 Fellows elected by the Senate for three years.

Chancellor : Girja Shanker Bajpai, M.A., Governor of Bombay

SYNDICATE

Vice-Chancellor.—D. B. K. M. Jhaveri, M.A., LL.B., J.P.

Registrar.—Miss Laxmi Thackersey, B.A.

* *S.N.D.T. College for Women, Poona* : **Principal**, Mrs. Sharayu Bai, M.A., B.T.; **Prof.** S. Y. Ponkshe, M.A., LL.B.; **Prof.** G. B. Sardar, M.A.; **Prof.** V. D. Gokhale, M.A., B.T.

Affiliated Colleges

(1) S.L.U. Gujarat Mahila Pathshala, Vallabhai Road, Ahmedabad.

(2) Maharani Chinnabai Mahila Pathshala, Sursagar, Baroda.

(3)* Mahila College Shah Sadan, Waghwadi Road, Bhavnagar (Saurashtra).

(4)* Vidhya Mandir, Boyce Building, Main Lines, Nanpura, Surat.

* *Temporary affiliation granted.*

S. N. D. THACKERSEY COLLEGE FOR WOMEN

1, Nathibai Thackersey Road, Fort, Bombay.

The Thackersey College in Bombay was started in the year 1881; it is conducted by the S. N. D. Thackersey Women's University, Bombay. It has a Three Years' Course, at the end of which a Degree of the Graduate in Arts (G.A.) is given. The medium of instruction is the Vernacular of the student. English, the mother-tongue of the student, Domestic Science, Hygiene, Psychology, are compulsory subjects. Besides these, there are various optional subjects like Music and Drawing and Painting suited to the requirements of women. The Degrees of this University are recognised by the Government of Bombay.

Principal:—Mrs. D. J. S. Engineer, M.A., B.T.

Professors:—D. S. Phatak, M.A.; S. G. Desai, M.A., LL.B.; U. M. Maniar, M.A.; Dr. Chandrakala Hate, M.A., Ph.D.

SOPHIA COLLEGE FOR WOMEN

Bhulabhai Desai Road, Bombay 26.

Opened in 1940 for the higher education of Members of all Communities, this College is affiliated to the Bombay University for the courses leading up to M.A. Honours in English, French, History and Economics and upto Intermediate Science in Physics, Chemistry and Biology.

The College has a spacious building in large grounds overlooking the sea.

Principal:—Rev. Mother W. Ward, M.A. (Oxon.).

ST. XAVIER'S COLLEGE

Cruickshank Road, Bombay 1.

St. Xavier's College owes its origin to the development and growth of St. Mary's Institution and St. Xavier's High School and was affiliated to the Bombay University in 1869. Its object is to provide the Catholic youth with a full course of sound and liberal education. Non-Christians are likewise admitted.

The College prepares students for Degrees in Arts and Science and the Diploma in Teaching of the University of Bombay. Lectures are delivered on Religion (for Catholics) and Moral Science and in the following departments:

FACULTY OF ARTS

Section of Classical Languages.—Sanskrit, Pali, Avesta, Pahlavi, Persian and Arabic, Greek, Latin, Hebrew.
Section of Modern Indian Languages.—Hindi, Marathi, Gujarati, Urdu.
Section of Modern European Languages.—English, French, Portuguese.
Philosophy, History, Economics, and Politics, Sociology, Education.

The College also conducts Guidance Classes for candidates preparing for the competitive examinations conducted by the Union Public Service Commission.

Principal:—Rev. M. M. Balaguer, S.J.

SYDENHAM COLLEGE OF COMMERCE AND ECONOMICS

Near Sir J. J. School of Art, Hornby Road, Bombay.

This College was opened in October 1918 for the general purpose of furnishing young men embarking on a business life with an education of a University standard in subjects that are bound to be of primary interest and importance to them in their careers. It was founded on the model of the great and rapidly developing institutions of a similar type in England, the Continent of Europe and America.

As a College of "Economics" it aims at providing a liberal education in all branches of social science likely to be helpful to anyone concerned with public affairs, whether as an administrator, writer, or teacher.

The College accordingly offers—

- (a) English, Economics, Commercial Geography, Book-keeping, Modern Economic Development, Trade, Indian Currency and Banking, Statistics, Mercantile Law and Business Organisation.
- (b) Optional courses in Special subjects, which are selected by students in accordance with the particular demands of their intended vocation, e.g., Banking, Accounting, Actuarial Science, the Organisation of Cotton Trade, Economics of Transport and Public Finance and Administration.

The College is affiliated to the University of Bombay, and provides a systematic course of study leading to the degrees of Bachelor of Commerce, Master of Commerce and Ph.D. (Commerce).

The College also offers facilities for non-university courses of studies by means of special evening classes. It has evening classes for preparing candidates for the Sydenham College Diplomas in Accountancy and Secretarial Practice. A special evening class is also held at the College to prepare candidates for the Preliminary Examination of the Institute of Actuaries, London. The College has its own Hostel, Cricket Ground and Tennis Courts.

Principal and Professor of Banking:—S. K. Muranjan, M.A. (Bom.), B.Sc., D.Sc. (Lond.).

TOPIWALA NATIONAL MEDICAL COLLEGE

Byculla, Bombay

The College was started in 1921.

The average number of students in the College is 350. The Bal Yarnunabai L. Nair Charitable Hospital provides clinical facilities to the students of this College. The College is affiliated to the Bombay University for preparing students leading up to M.B.B.S.

The present state of the college is the outcome of a munificent endowment of Shri M. N. Desai Topiwala after whom it was named as Topiwala National Medical College. The college is equipped, maintained and administered by the Bombay Municipal Corporation and the Government pays grant-in-aid to meet the deficit every year.

Dean:—Dr. S. G. Vengsarkar, M.D., F.C.P.S.

PROFESSORS:—Dr. Louis Monteiro, M.D. (Pathology and Bacteriology); Dr. T. H. Rindani, M.D. (Physiology); Dr. V. G. Kale, M.S., F.O.P.S. (Anatomy).

ASSISTANT PROFESSORS:—Dr. U. K. Sheth, B.Sc., M.D., F.C.P.S. (Pharmacology and Materia Medica); S. N. Narayana Rao, M.Sc. (Biochemistry and Biophysics); Dr. E. J. De Souza, M.S. (Anatomy); Dr. Krishna Raman, M.D. (Pathology).

WILSON COLLEGE

Chowpatty, Bombay.

Founded 1882. Affiliated to Bombay University, 1861. Present building opened 1889; four times extended. Students prepared for B.A., B.Sc., M.A., M.Sc. and Ph.D. degrees. About 1,450, undergraduate students admitted and 130 post-graduates. Accommodation in hostels for 195 men-students and for 50 women-students. Supported financially by fees, Government grant and funds annually contributed by the Church of Scotland.

Principal:—Rev. James Kellock, M.A., D.D.

COMMERCIAL SCHOOLS AND INSTITUTIONS

ANJUMAN-I-ISLAM JAN MOHOMAD CASSUM COMMERCIAL HIGH SCHOOL (Sandhurst Road), Stds. VIII—XI.

ANJUMAN-I-ISLAM JAN MOHOMAD CASSUM COMMERCIAL NIGHT HIGH SCHOOL (Sandhurst Road), Stds. VIII—XI.

HIRJI GHELABHAI SAVLA COMMERCIAL HIGH SCHOOL (Matunga, Central Bly.), Stds. VIII—XI.

MOHAMED HAJI SABOO SIDDIK TECHNICAL HIGH SCHOOL (Byculla, Shepherd Road), Stds. VIII—XI.

PRATAPSIKH RANCHHODDAS COMMERCIAL HIGH SCHOOL (Ghatkopar, B.S.D.), Stds. VIII—XI.

ALEXANDRA COLLEGE OF COMMERCE

Prospect Chambers Annexe, Hornby Road, Bombay.

Principal and Proprietor:—Burjor P. Bamlji, B.Com., A.I.C.S., A.A.C.A., A.S.P.A., F.R.Econ.S.

The College provides specialised training for various professional and non-professional Commercial Diploma Courses. The professional examinations include that of Cost Accountants, Accountants, Secretarial and for Bank Officers. Non-professional diploma examinations are open to Non-Matriculates anxious to gain general commercial knowledge apart from specialisation in particular profession.

The College has local centres for holding the following bodies' examinations and in each case the Principal is appointed the Hon. Registrar to whom all applications for examination, membership, etc., should be made.

The Incorporated Association of Cost Accountants.
The Victorian Society of Public Accountants.
The International Corporation of Secretaries.
The Institute of Commerce.
The Association of Practising Accountants.

BATLIBOI'S ACCOUNTANCY TRAINING INSTITUTE

Trafford House, Prescott Road, Fort, Bombay.

The Institute is staffed with highly qualified educationists and is recognised by the Institute of Chartered Accountants of India, the Government Co-operation and Accountancy Diploma Board, etc. It has highly efficient and practical Courses in Accounting, Auditing, Costing, Secretarial Work, Banking, Insurance and Business Organisation to suit Graduates, Matriculates and Non-matriculates, and guarantees training for C.A., F.C.C.S., C.A.I.B., C.A.I.B., A.C.I.I., G.D.C. & A., L.C.C. and D.Com. (I.M.C. Exams.). Training provincial candidates by post is also undertaken by the Institute.

Principal.—B. D. Birdy, B.Com., G.D.A., F.C.A., Professor of Accounting, Auditing and Statistics, Member, Institute of Chartered Accountants of India.

BOMBAY EDUCATION INSTITUTE

Dadar.

This Institute which is a School of Commerce, coaches students for Secretarial, Banking, Insurance, Costing, Accountancy, Shorthand (Pitmans) & Typewriting and Government Diploma and Certificate Examinations. It is recognised by the Bombay Government and the Indian Merchants' Chamber.

A Special training class is also arranged to improve the English language of the students and to coach them up in English, Mathematics, Geography, Hindi, Physiology & Hygiene, History, Sanskrit, French and Latin.

Principal.—H. A. Kirtane, B.A., LL.B., Advocate; *Secretary and Accountant*.—R. E. Hyams, F.I.S.A., M.I.S.A., N.U.T. (Lond.).

DADAR COMMERCIAL INSTITUTE

Ghamat Terrace, Opp. Western Ry. Station, Dadar.

The Institute was founded in 1923 and is the oldest in the north of Bombay. It is recognised by the Government of Bombay. Students are coached up in Book-Keeping, Accountancy, Shorthand, Typewriting, and other Commercial subjects, and they can appear for the Examinations conducted by the Government of Bombay, London Chamber of Commerce and the Indian Merchants' Chamber.

Principal.—S. K. Kulkarni.

LAXMI COLLEGE OF COMMERCE

Dadar, Bombay 28.

A commercial institution in the suburb of Bombay training candidates for responsible positions in the field of Commerce and Industry.

Courses Offered :—

INDUSTRIAL ADMINISTRATION.—A.M.I.A. (Lond.).

COST & WORKS ACCOUNTANTS.—A.C.W.A. (Lond.) and A.I.C.W.A.

CHARTERED ACCOUNTANTS.—A.C.A.

RAILWAY ACCOUNTANTS App. II and III.

BANK OFFICERS.—C.A.I.B.

INCORPORATED SECRETARIES.—A.C.C.S. (Lond.).

CO-OPERATIVE AUDITORS.—G.D.C. and A.

LIFE ASSURANCE EXECUTIVES.—Dip. L. A.

DIPLOMA IN COMMERCE.—GOVT. I.M.C. and L.C.C.

SHORTHAND AND TYPEWRITING.—CERTIFICATE AND HIGHER CERTIFICATE.—GOVT. I.M.C. and L.C.C.

BOARD OF MANAGEMENT

R. S. Ramaswamy Iyer, M.A., B.T., G.D.A., A.I.C.W.A., *Director*;
B. S. V. Iyer, A.C.A., F.C.W.A. (Lond.), A.M.I.A. (Lond.), *Principal*;
B. S. Sadasivan, B.Sc., A.C.W.A. (Lond.), *Vice-Principal*.

LINGUAPHONE INSTITUTE (INDIA) LTD.

British Institutes House, Hornby Road, Bombay.

This is a branch of the well-known Linguaphone Institute, London, now established throughout the world. Linguaphone is accepted as the modern and easy method of learning languages by means of gramophone records. The Linguaphone Institute provides courses in upwards of 20 different European and Eastern languages.

PREMIER INSTITUTE OF COMMERCE

Esplanade Mansions, Mahatma Gandhi Road, Kalaghoda and Comilla Bank Building, 263, Hornby Road, Fort.

The Institute offers coaching in Pitman's Shorthand, Typewriting, Accountancy and other commercial subjects on modern and scientific lines. Institute employment bureau affords best medium for securing service.

PREMIER SCHOOL OF SHORTHAND AND TYPEWRITING

235, Hornby Road, Fort, Bombay.

The School offers coaching in Pitman's Shorthand and Typewriting on modern scientific methods. Pitman's Examinations are held periodically. Special speed classes conducted by qualified teachers.

ROOSEVELT COLLEGE OF COMMERCE

Safa Manzil, Dr. Maheswari Road, Bombay 9.

The College imparts instruction for the following courses :—

1. Practical Psychology. 2. Secretarial. 3. Shorthand. 4. Typewriting. 5. Book-keeping. 6. D.Com. 7. Pitman's Shorthand Teacher's Diploma. 8. Business English for Merchants. Open to boys and girls.

Director & Principal :—J. F. Bow.

SARASWATHI COMMERCIAL INSTITUTE

Parel.

Offers the following courses :—

The London & Indian Institute of Costs & Works Accountants—A.C.W.A. (Lond.) & A.I.C.W.A.

The Corporation of Certified Secretaries, London—A.C.C.S. (Lond.).

The Institute of Bankers—C.A.I.B. (Lond. & India).

Inter Com. & B. Com., of Commercial University, Delhi.

Institute of Commerce Ltd., Birmingham, England—F.C.I. & A.C.I.

D.Com. (I.M.C.) and D.Com. (A.I.C.A.)

Government Commercial Diploma—G.C.D., (1) Shorthand & Typewriting. (2) Book-keeping & Accountancy. (3) Commercial Correspondence (4) Banking (5) Secretarial Practice. (6) General English and (7) Office Organisation.

Principal :—Dr. S. S. Nath, M.Com., Ph.D. (Com.), F.C.T. (Lond.), F.C.T.S. (Inc.), M.I.S., F.I.C.A.

UNIVERSAL INSTITUTE OF COMMERCE

Khatrilya Dnyati Nivas,
Girgaum, Bombay 4.

The Institute offers tuition in Commerce, Accountancy and Secretaryship in simple terms. Students are given an opportunity to appear for more than one recognised identical group examinations in one year only. Moderate fees combined with either suitable evening classes or individual postal tuition to suit the needs of the students afford an opportunity to all desirous of joining the Commercial Profession.

Y. W. C. A. COMMERCIAL SCHOOL

Mayo Road, Bombay.

The School was established with the object of giving women and girls a thorough business training. The subjects taught in the full course are : Pitman's Shorthand, Typewriting, Book-keeping and Arithmetic, English and Physical Training.

Admission is reserved for those who have completed the eleventh standard of Secondary School or its equivalent.

SECONDARY SCHOOLS

BOYS' SCHOOLS

ANJUMAN-I-ISLAM HIGH SCHOOL (Hornby Road, Fort), Stds. V—XI.

SIR J. J. PARSİ BENEVOLENT INSTITUTION (Hornby Road, Fort), Stds. V—XI.

ESPLANADE HIGH SCHOOL (Hornby Road, Fort), Stds. V—XI.

K. J. KHILNANI HIGH SCHOOL (Hornby Road, Fort), Stds. V—XI.

FORT AND PROPRIETARY HIGH SCHOOL (Empire Building, Hornby Road), Stds. V—XI.
 BAZARGATE HIGH SCHOOL (Gunbow Street, Fort), Stds. V—XI.
 BAI KABIBAI HINDU HIGH SCHOOL (Holi Chakla Street, Fort), Stds. V—XI.
 SIDDHARTHA NIGHT SCHOOL (Fort), Stds. V—XI.
 HIGH SCHOOL FOR SINDHEES (Elph. Tech. High School Compound, Dhobitalao), Stds. V—XI.
 JAVAHAR-FREE NIGHT HIGH SCHOOL (Lord Harris Municipal School, Dhobitalao), Stds. V—XI.
 MOTHER INDIA FREE NIGHT HIGH SCHOOL (Elph. Tech. High School Compound, Dhobitalao), Stds. V—XI.
 MAZGAON NIGHT HIGH SCHOOL (Mazgaon, Bombay, C/o Municipal Dongri Central School, Nawroji Hili Road, Dongri), Stds. V—XI.
 DIAMOND JUBILEE HIGH SCHOOL (Mazgaon, Nesbit Road), Stds. V—XI.
 SARVAJANIK MIDDLE SCHOOL (Mazgaon), Stds. V—VIII.
 SHETH GOKULDAS TEJPAL SEMINARY ANGLO-GUJARATI SCHOOL (Chakla Street, Mandvi), Stds. V—X.
 KHOJA KHAN MOHAMED HABIBBHAI SECONDARY HIGH SCHOOL (Mandvi, Samuel Street), Stds. V—XI.
 MANDVI HIGH SCHOOL (Mandvi), Stds. V—XI.
 KOHINOOR MIDDLE SCHOOL (Mandvi, Dhanji Street, Bombay 3), Stds. V—VII.
 B. S. EZEKIEL ENGLISH SCHOOL (Dongri), Stds. V—VIII.
 HAIDARY MIDDLE SCHOOL (Dongri, Kesar Baug), Stds. V—IX.
 HABIB HIGH SCHOOL (Dongri, Bhimpura Street), Stds. V—XI.
 ANJUMAN-I-ISLAM HAJI AHMAD SAILOR HIGH SCHOOL (Dimitlikar Road, New Nagpada), Stds. V—XI.
 WORKERS' EDUCATIONAL SERVICE LEAGUE'S FREE NIGHT HIGH SCHOOL (Mastan Tank Road, New Nagpada), Stds. V—XI.
 SHRI CUTCHI VISHA OSWAL JAIN DEHERWASI PATH-SHALA (Pala Galli), Stds. V—XI.
 ANJUMAN-I-ISLAM ABDUL SATTAR SHUAIB SCHOOL (Memonwada Road), Stds. V—VII.
 ISMAIL BEG MOHAMED HIGH SCHOOL (Mohamedali Road), Stds. V—XI.
 HASHMAH HIGH SCHOOL (Zakaria Masjid), Stds. V—XI.
 SAIFEE HIGH SCHOOL (Ibrahim Rahimulla Road), Stds. V—XI.
 LIBERTY HIGH SCHOOL (Kalbadevi Road), Stds. V—XI.
 IDEAL MORNING HIGH SCHOOL (Thakurdwar, Bombay 2), Stds. VIII—XI.
 NEW NIGHT HIGH SCHOOL (Thakurdwar, Bombay 2), Stds. V—XI.
 NATIONAL NIGHT HIGH SCHOOL (Thakurdwar, Bombay 2), Stds. V—XI.
 PRABHU SEMINARY (Thakurdwar, Bombay 2), Stds. V—XI.
 BOMBAY EDUCATION LEAGUE'S HIGH SCHOOL (Thakurdwar, Bombay 2), Stds. V—XI.
 CITY HIGH SCHOOL (Thakurdwar, Bombay 2), Stds. V—XI.
 BOMBAY NIGHT HIGH SCHOOL (Thakurdwar, Bombay 2), Stds. V—XI.
 NAVA BHARAT NIGHT HIGH SCHOOL (Thakurdwar, Bombay 2), Stds. VII—XI.
 SHETH KANYATAL D. HINDUJA SECONDARY SCHOOL (Queen's Road), Stds. V—XI.
 BYRAMJI JEEBHROY CHARITABLE INSTITUTION (Queen's Road), Stds. V—XI.
 SHRI NANAWATI VIDYALAYA (Bhuleswar), Stds. V—IX.
 IDEAL HIGH SCHOOL (C. P. Tank), Stds. V—XI.
 ROBERT MONEY HIGH SCHOOL (Proctor Road), Stds. V—XI.
 CHIKITSAK SAMOOHA SHIRODKAR HIGH SCHOOL (Girgaon), Stds. V—XI.
 MARATHA HIGH SCHOOL (Girgaon, Swadeshi Mills Estate), Stds. V—XI.
 GIRGAON NEW ENGLISH SCHOOL (Girgaon, Mugbhat), Stds. VIII—XI.
 PRIVATE ENGLISH NIGHT SCHOOL (Girgaon, Mugbhat), Stds. VIII—XI.
 RAM MOHAN ENGLISH SCHOOL (Girgaon), Stds. V—XI.
 ARYAN EDUCATION SOCIETY'S HIGH SCHOOL (Girgaon), Stds. V—XI.
 POPULAR NIGHT HIGH SCHOOL (Girgaon), Stds. VII—XI.
 BRADLEY NIGHT HIGH SCHOOL (Vithalbhai Patel Road), Stds. V—XI.
 HIND VIDYALAYA (Vithalbhai Patel Road), Stds. V—XI.
 GOKHALE EDUCATION SOCIETY'S SHETH DHARAMSEY GOVINDJI THACKERSEY HIGH SCHOOL (Vithalbhai Patel Road), Stds. V—XI.
 BAI LILAVATI KABUBAI L. D. HINDU HIGH SCHOOL (Sandhurst Road, East), Stds. V—XI.
 SHETH FRAMJI NASARWANJI PATEL ANGLO-GUJARATI MIDDLE SCHOOL (Khetwadi Main Road), Stds. V—X.
 IDEAL EDUCATION SOCIETY'S UNION HIGH SCHOOL (Khetwadi Main Road), Stds. V—XI.
 SIRDAR HIGH SCHOOL (Khetwadi, 12th Lane), Stds. V—XI.
 UNITY HIGH SCHOOL (Khetwadi 10th Lane), Stds. V—XI.

SARASWATI BOYS' AND GIRLS' MIDDLE SCHOOL (Nawiwadi, Dadyshe Agyari Lane), Stds. V—VIII.
 ORIENT HIGH SCHOOL (Khetwadi), VIII—XI.
 MARWARI COMMERCIAL HIGH SCHOOL (Guzdar Street), Stds. V—XI.
 PROPRIETARY AND FORT HIGH SCHOOL (Chandanwadi), Stds. V—XI.
 DEPRESSED CLASS EDUCATION LEAGUE'S FREE NIGHT SCHOOL (Chandanwadi), Stds. V—VII.
 NEW EDUCATION SCHOOL (Chowpaty, French Bridge Road), V—XI.
 MARINA MODERN EDUCATION SCHOOL (Chowpaty), Stds. V—X.
 MASTER'S TUTORIAL HIGH SCHOOL (Gamdevi, near Kennedy Bridge), Stds. V—XI.
 SOCIAL NIGHT HIGH SCHOOL (Gamdevi near Kennedy Bridge), Stds. V—XI.
 SIND MODEL HIGH SCHOOL (Gowalla Tank), Stds. V—XI.
 CHILDREN'S ACADEMY (New Gamdevi, Vachha Gandhi Road), Stds. V—XI.
 IMPERIAL HIGH SCHOOL (Gowalla Tank), Stds. V—XI.
 FELLOWSHIP SCHOOL (Gowalla Tank), Stds. V—XI.
 SETH JEEJIBHOY DADABHOY CHARITY SCHOOL (Lamington Road), Stds. V—IX.
 MODERN NIGHT SCHOOL (Lamington Road), Stds. V—XI.
 PREMIER HIGH SCHOOL (Grant Road, Bombay), Stds. V—XI.
 GRANT ROAD CENTRAL SCHOOL (Grant Road, Pannalal Terraces), Stds. V—XI.
 GRANT ROAD HIGH SCHOOL (Grant Road, Baram Street), Stds. V—XI.
 NATIONAL ANGLO-VERNACULAR SCHOOL (Sonawala Building, Tardeo), Stds. V—VIII.
 WORKERS' EDUCATION SOCIETY'S NIGHT HIGH SCHOOL (Tardeo), Stds. VIII—XI.
 FORJET HIGH SCHOOL (Tardeo), Stds. V—VII.
 BOMBAY EDUCATION LEAGUE'S MIDDLE SCHOOL (Byculla), Stds. V—IX.
 BHARAT NIGHT HIGH SCHOOL (DeLisle Road), Stds. VIII—XI.
 SARASWATI HIGH SCHOOL (Lalbagh), Stds. V—XI.
 SARASWATI VIDYA MANDIR NIGHT HIGH SCHOOL (Lalbagh), Stds. V—XI.
 SHRI CUTCHI VISHA OSWAL JAIN SHANAKWASI JAIN PATHASHALA (Chinchpokli), Stds. V—IX.
 GOKHALE EDUCATION SOCIETY'S R. M. BHATT HIGH SCHOOL (Polbavdi, Parel), Stds. V—XI.
 G. E. SOCIETY'S PAREL NIGHT HIGH SCHOOL (Parel), Stds. V—XI.
 K. M. S. PAREL HIGH SCHOOL (Parel), Stds. V—XI.
 K. M. S. PAREL NIGHT HIGH SCHOOL (Parel), Stds. VII—XI.
 SOCIAL SERVICE LEAGUE NIGHT HIGH SCHOOL (Parel, Polbavdi), Stds. V—XI.
 SHIWAJI NIGHT HIGH SCHOOL (Parel), Stds. V—XI.
 NAVA BHARAT VIDYALAYA (Parel, Damodar Hall), Stds. VIII—IX.
 NEW BHARAT NIGHT HIGH SCHOOL (New Irani Chawl, Gokhale Road, South), Stds. V—XI.
 BOMBAY EDUCATION LEAGUE'S HIGH SCHOOL (World), Stds. V—XI.
 GENERAL EDUCATION INSTITUTE'S CHARILDAS LALLUBHAI BOYS' HIGH SCHOOL (Dadar, Western Railway), Stds. V—XI.
 INDIAN EDUCATION SOCIETY'S KING GEORGE HIGH SCHOOL (Dadar, Hindu Colony), Stds. V—XI.
 DADAR SARVAJANIK GUJARATI ENGLISH FREE NIGHT SCHOOL (Dadar, Elphinstone Road), Stds. V—VII.
 PIONEER PUBLIC SCHOOL (Dadar, Western Railway), Stds. V—XI.
 RAM MOHAN ENGLISH SCHOOL NO. 2 (Dadar), Stds. VI—XI.
 PREMIER HIGH SCHOOL (Dadar), Stds. V—XI.
 ORIENT HIGH SCHOOL (Dadar), Stds. V—XI.
 BAL MOHAN VIDYA MANDIR (Dadar, Shivaji Park), Stds. V—XI.
 BENGALI EDUCATION SOCIETY HIGH SCHOOL (Dadar, Morbag Road), Stds. V—XI.
 DADAR VIDYA MANDIR (Dadar, Ash Lane, Gokhale Road, North), Stds. VII—XI.
 SARVAJANIK NIGHT HIGH SCHOOL (Ash Lane, Gokhale Road (North), Bombay 28), Stds. VII—XI.
 IDEAL NIGHT HIGH SCHOOL (Gokhale Road, North), Stds. V—XI.
 K. J. KHILNANI HIGH SCHOOL (Gokhale Road, North), Stds. V—XI.
 INDIAN EDUCATION SOCIETY'S BOYS' HIGH SCHOOL (Dadar, Western Railway, Pinto Villa), Stds. V—XI.
 MATUNGA PREMIER HIGH SCHOOL (Matunga), Stds. V—XI.
 PIONEER HIGH SCHOOL (Matunga), Stds. V—XI.
 NATIONAL KANNADA EDUCATION SOCIETY'S SCHOOL (Matunga), Stds. V—XI.
 SHRI DAYANAND VIDYALAYA, HINDI HIGH SCHOOL (Matunga), Stds. V—IX.

HIRJI GHELARHAI SAVLA HIGH SCHOOL (Shraddhanand Road, Matunga (C. R.), Bombay 19), Stds. V—X.
ANGLO-VERNACULAR SCHOOL (Matunga), Stds. V—VII.
HIND NIGHT HIGH SCHOOL (Matunga), Stds. V—XI.
SARWAJANIK HIGH SCHOOL (Matunga), Stds. V—XI.
ANDHRA EDUCATION SOCIETY'S SCHOOL (Matunga), Stds. V—VIII.
G. E. INSTITUTE'S ENGLISH SCHOOL (Mahim), Stds. V—XI.
SIND PREMA VIDYALAYA (Mahim Bazar Cross Road, Mahim, Bombay 16), Stds. V—VIII.
DIKAMPRAKASA SHREENIWASHIAH HIGH SCHOOL (Sion), Stds. V—XI.
GURU NANAK HIGH SCHOOL (Sion, Koliwada), Stds. V—XI.
SETARAM PRAKASH HIGH SCHOOL (Wadala), Stds. V—XI.
G. S. NANGRANI MIDDLE SCHOOL (Koliwada), Stds. V—VI.
MUNICIPAL HIGH SCHOOL (Bandra), Stds. V—XI.
MUNICIPAL MARATHI SECONDARY MIDDLE SCHOOL (Ghatkopar), Stds. V—IX.
RAMJI ASSAR VIDYALAYA HIGH SCHOOL (Ghatkopar), Stds. V—XI.
SHREE VADILAL CHATURBHUI GURUKUL HIGH SCHOOL (Ghatkopar), Stds. V—XI.
HINDI HIGH SCHOOL (Ghatkopar), Stds. V—XI.
SIND COSMOPOLITAN HIGH SCHOOL (Ghatkopar), Stds. V—XI.
SETH ANANDILAL PODAR HIGH SCHOOL (Santa Cruz), Stds. VI—XI.
GENERAL EDUCATION INSTITUTE'S HIGH SCHOOL (Kurla), Stds. V—XI.
CHEMBUR EXTENSION ACADEMY (Chembur Estate, Chembur), Stds. V—VIII.
ANJUMAN-I-ISLAM KURLA SCHOOL (Chembur), Stds. V—XI.
HANSRAJ MORARJI PUBLIC SCHOOL (Nav Gujarat, Andheri), Stds. V—XI.
SHRI ADARSHA SHISHU GUJARATI VIDYALAYA (Andheri), Stds. V—VI.
SHRIMATI GOKLIBAI P. P. HIGH SCHOOL (Vile-Parle), Stds. V—XI.
PARLE TILAK VIDYALAYA (Vile-Parle), Stds. V—XI.
JOGESHWARI ENGLISH SCHOOL (Jogeshwari), Stds. V—X.
KHAR EDUCATION SOCIETY'S SHREE M. M. PUPILS OWN HIGH SCHOOL AND SHARDA MANDIR (Khar), Stds. V—XI.
KHAR MODEL EDUCATION SOCIETY'S RATAN WALA-WALKAR VIDYA MANDIR (17th Road, Khar), Stds. V—XI.
BABU PANNALAL MOHANLAL HIGH SCHOOL (16th Road, Khar), Stds. V—XI.
KAMLA HIGH SCHOOL (17th Road, Khar), Stds. V—XI.

BABU PANALAL POORANCHAND JAIN HIGH SCHOOL

Tamba Kanta, Pydhonie, Bombay 3.

A charitable institution for providing Primary and Secondary education mainly to the boys of the Jain community.

PRINCIPAL :—G. H. Jambotkar, M.A., B.T., T.D. (London), J.P. and Honorary Presidency Magistrate.

HEAD-MASTER :—B. M. Shanbhag, B.A., B.T.

BHARDA NEW HIGH SCHOOL

Waudby Road, Fort.

Principals.—B. K. Marsban, B.A. and R. K. Marsban, B.A.

The School is one of the oldest private-owned educational institutions. It has a thoroughly cosmopolitan character, being attended by boys of all communities. It takes great interest in games, sports and scouting. The physical well-being of the boys is properly attended to. A qualified Medical Inspector examines every boy once a year and sends a detailed report to the parents. Best-Boy Medals are awarded every year in the Senior and Junior Sections. The School Safety Squad Patrol controls the traffic in front of the school. Vocational Guidance forms part of the curriculum in the higher standards.

HUME HIGH SCHOOL

Victoria Gardens Road, Byculla, Bombay 3.

The school was founded in 1877 by the Rev. E. S. and Mrs. Hume of the American Marathi Mission. It is an Anglo-Marathi Co-educational School with Primary and Secondary Departments. Pupils are prepared for the S.S.C. Examination with Sanskrit, Persian and Ardhamaghadhi as Second Languages. They are also prepared for the P.S.C. Examination at the end of Standard VII, and for the Elementary, Intermediate Drawing Examinations and also for examinations in some commercial subjects. Extra-curricular activities are encouraged, and individual attention is given to the conduct and progress of each pupil.

KANARA VIDYADAINI FREE NIGHT HIGH SCHOOL

Amrit Villa, First Floor, 29 Mody Street, Fort, Bombay.

(Conducted by the Vidyadaini Sabha, Bombay.)

OBJECTS :—To impart free education to the working class people and to promote social, physical and literary welfare of students.

Officer-in-charge :—R. A. Kotyan, A.C.C.S. (Lond.), D.Com. (I.M.C.).

Principal :—V. S. Ulyargoli.

Head Master :—S. S. Anchan.

KARNATAK FREE NIGHT HIGH SCHOOL

Recognised by the Municipality and Government.

17, Kumpita Street, Fort, Bombay.

The school was started in 1924 under the name of "The Vidyadaini Free Night School" by some public spirited Karnatak residents in Bombay belonging to different Communities. In 1925, the name of the School was changed into "Kanara Vidyadaini Free Night School", but in 1937 the Teachers' Board, in order to indicate clearly the nature of the work done, again changed the name to "The Karnatak Free Night School". In 1939, the School was converted into a High School and has since then come to be known as "The Karnatak Free Night High School." It is being run by "Bunt Allas Nadava Sangha", Bombay and is open to all, irrespective of caste or creed.

KUTCHI DASHA OSHWAL JAIN PATHSHALA HIGH SCHOOL

302, Narshi Natha Street, Bombay No. 9.

The Institution was founded in the year 1900, and is a full-fledged High School (including Pre-Primary and Primary Departments) recognised by the Department of Education and the Bombay Municipality.

The Institute is open to members of any community. It is Grant-in-aided.

Its special features are emphasis on learning through activities. Various extra-curricular activities including Students' own Bank are planned to serve this purpose.

Principal.—Vajubhai Patel, B.A., B.T., M.A. (Columbia).

M. K. N. BHATIA HIGH SCHOOL

Hornby Road, Bombay.

The school was established in 1916 and was named after the deceased son of Sheth Karsondas Natha, who gave it a munificent donation. It is located on Hornby Road in its own building and imparts both secular and religious education. At present there are about 500 students. It is the aim of the School to make religion a vital force in the life of the students towards the proper formation of character. It also gives commercial education and thus imparts the welcome vocational bias.

Principal.—G. T. Purohit, B.A., LL.B.

MAHARASHTRA HIGH SCHOOL

Lower Parel, Bombay 13.

AIMS AND OBJECTS :—Spread of education among children of mill labourers and other educationally backward classes. Cosmopolitan.

ACTIVITIES :—A School in Lower Parel with 300 boys, 67 per cent of whom have parents working in mills or workshops.

MARWARI VIDYALAYA HIGH SCHOOL

Sandhurst Road, Bombay.

This is an institution run by the Marwari Vidyalyaya Society. Its finances are derived from the reserve funds subscribed by the Marwari Community, its properties being vested in Trustees appointed under and according to a Declaration of Trust, various donations received from time to time and the school fees received from students.

The school was established in 1912 and is housed in its own building. The facilities of the school are open to members of all communities.

OFFICE-BEARERS FOR 1953-54 :—**President**.—Madan Mohanji Rula ; **Vice-President**.—Purnakottamlaji Jhunjhunwala ; **Secretary**.—Rameshwarprasadji Babu ; **Asst. Secretaries**.—Madhavprasadji Nevatia, Bhagwatprasadji Khetaa ; **Treasurers**.—Ramnarain Sons Ltd. ; **Principal**.—A. V. Jakhi, M.A., B.T.C.

MODERN SCHOOL

Slicka Nagar, Bombay 4.

The School is a co-educational Institution with Infant, Primary and Secondary Departments. It is recognised permanently and aided by the Education Dept. of the Bombay Govt. and the Municipal Corporation. Modern Methods are utilized and extra-curricular activities find a prominent place in work. The School was founded in 1936, by Shri Raman Vakil, M.A. and Mrs. Pushpa Vakil, B.A. who act as Joint Principals. There are 520 boys and 340 girls.

MOGAVEERA FREE NIGHT HIGH SCHOOL

(Recognised by Government.)

High School :—Gunbow Street, Fort.

Primary School :—145, Mody Street, Fort.

Conductors :—The Mogaveera Vyavasthapaka Mandali, 8, Nana-bhai Lane, Fort.

- Objects :—1. To impart free secular education to day time workers.
2. To promote social, moral, physical and literary welfare of students.
3. To train students in good citizenship.

NEW ERA SCHOOL

Hughes Road, Bombay 7.

This is a co-educational Institution which admits children from the age of 2½, and prepares them for the Bombay Government S.S.C. Examination.

It practises the Montessori, Dalton, and Project plans and methods with necessary modifications.

Besides the usual subjects, the school specialises in the teaching of music, instrumental and vocal, and Drawing and Painting. Special attention is paid to Physical Culture and to activities such as scouting, girl-guiding, recitations, school debates, theatricals, concerts, excursions, lantern lectures, educational films, etc.

Principal.—M. T. Vyas, M.A. (Educ.) (Lond.).

SETH GOKULNAS TEJPAL HIGH SCHOOL

Kalbadevi Road, Bombay 2.

This School was founded on a munificent donation by the late Sheth Gokuldas Tejpal, the well-known philanthropist of the city, after whose name as many as five well-known institutions are running in the city.

The school is managed by the Managing Committee of the G. T. Charities. *President*.—Seth Laxmidas G. Tejpal. Housed in an imposing building of its own, the school serves 2,000 boys from Std. V to XI, almost all being drawn from Kalbadevi. It can boast of a spacious compound in the dense Bhuleshwar area, a finely organised co-operative stores run by boys on shareholder system, a beautifully equipped gymnasium and a fine library and spacious laboratory.

Principal.—Jyotindra D. Desai, B.A., B.Sc., T.D. (London).

SETH HIRACHAND GUMANJI JAIN BOARDING SCHOOL

Tardeo, Bombay 7.

This Institution was founded by Sheth Manikchand Panachand Javeri to perpetuate the memory of their Father, Sheth Hirachand Gumanji, and has for its object the advancement of Jain Students desirous of receiving education in Bombay and elsewhere.

Trustees.—Ratanchand Navalchand, Thakordas Panachand, Thakordas Bhagwandas, Vrajilal Kalidas and Ratanchand Premchand.

Joint Secretaries.—Thakordas Bhagwandas, Mohanlal Kalidas Shah, Thakordas Panachand.

Superintendent.—Shah Ratilal Ranchhoddas.

SHETH MADHAWDAS AMERSEY HIGH SCHOOL

Andheri.

This Institution is managed by the Andheri Education Society which is registered under the Act XXI of 1860. The aim of the Society is to impart secular education to Bombay suburban students without any distinction of caste or creed.

The school has a spacious, well-ventilated and well-lighted building with a large playground inside the compound.

Principal.—N. P. Dave, B.Sc., B.T., Dip. Ed. (Edin.).

SIR ELLY KADOORIE SCHOOL

Mazagaon, Bombay.

Founded in 1875 as the Israelite School; subsequently enlarged mainly through the efforts of the late Mr. Haem Samuel Kehimkar. Received £10,000 for remodelling its building, from Sir Elly Kadoorie, of Shanghai and took the benefactor's name.

It imparts Primary and Secondary education to children of all communities, and religious instruction to Bene-Israel students.

The School provides books, clothes and free meals to poor Jewish children.

SIR NARAYAN CHANDAVARKAR MARATHI SCHOOL

Prarthana Samaj, Girgaum.

Founded by the Bombay Prarthana Samaj in 1924 in memory of the late Dr. Sir Narayan Ganesh Chandavarkar, Kt. It has 500 pupils (Boys and Girls) on its roll and 100 more in the pre-primary section.

SOUTH INDIAN EDUCATION SOCIETY SCHOOL

Matunga, Bombay 10.

The South Indian Education Society was registered as a body corporate under the Society's Registration Act XXI of 1860 on 21st April, 1932, with the main object of providing facilities for the education of boys and girls, irrespective of class or community in Bombay. From a small beginning, the School has steadily progressed and has now all the classes of the Primary Section and Standards of the High School. It has been duly recognised by the Bombay Municipality and by the Education Department of the Government of Bombay and the University of Bombay. The School provides for the education of about 3,402 pupils and has its own building in Brahmanwada Road, Matunga.

PRESIDENT.—A. C. Raimalingam J.P.; *JT. SECRETARIES*.—M. R. Krishna Iyer and C. G. Raman; *HEADMASTER*.—P. V. Parameswaran, M.A.

WILSON HIGH SCHOOL

Dr. Wilson Street, Khetwadi 1.

This High School originated in an English School for Indian youths founded by the Rev. Dr. John Wilson in 1832. On the removal of the College division of the Institution to Chowpatty the whole of the premises was utilised for the high school department. A hostel for Christian boys attending the School was added to the building in 1899.

Principal :—D. P. Waghchourey, B.A., B.T.

YOUNG MEN'S FREE NIGHT SCHOOL

170, Bazargate Street, Fort.

Founded in 1945 to impart Free Education irrespective of caste or creed. *Principal* : T. K. Banarji, B.A., B.T., *Head-master* : S. Venkatraman, B.A., L.T., *Primary Head-master* : U. Govind, P.T.C., *School Secretary* : C. T. Sallan.

GIRLS' SCHOOLS

SIR J. J. P. B. INSTITUTION (Hornby Road), Stds. V—XI.
SETH GOKULNAS TEJPAL GIRLS' HIGH SCHOOL (Hornby Road), Stds. V—XI.

PARSEE GIRLS' SCHOOL ASSOCIATION'S HIGH SCHOOL (Parsee Bazar Street), Stds. V—XI.

SHRI SHAKUNTALA KANTILAL ISHWARLAL JAIN HIGH SCHOOL (Queen's Road), Stds. V—XI.

HANSRAJ PRAGJI THAKERSEY KANYASHALA (Carnegie Road), Stds. V—XI.

CUMMOO JAFFAR SULEMAN GIRLS' HIGH SCHOOL (Kambekar Street), Stds. V—XI.

RAHAMATBAI HABIB GIRLS' HIGH SCHOOL (Khadak), Stds. V—XI.

SAIFI GIRLS' HIGH SCHOOL (Sarang Street), Stds. V—XI.

DIAMOND JUBILEE GIRLS' HIGH SCHOOL (Imamwada), Stds. V—XI.

PARSEE GIRLS' SCHOOL ASSOCIATION'S GIRLS' ENGLISH SCHOOL (Chandanwadi), Stds. V—XI.

SIR J. J. P. B. INSTITUTION (Chandanwadi), Std. V.

SHRI RATNACHINTAMANI S. JAIN GIRLS' HIGH SCHOOL (Kalbadevi Road, Kolbhat Lane), Stds. V—VII.

STUDENTS' LITERARY AND SCIENTIFIC SOCIETY'S GIRLS' HIGH SCHOOL (Nowroji Street), Stds. V—XI.

- ARYAN EDUCATION SOCIETY'S HIGH SCHOOL FOR GIRLS** (SHARDA SADAN) (Ghgaon Road), Stds. V—XI.
- SARASWATI HIGH SCHOOL FOR GIRLS** (Ambewadi), Stds. V—XI.
- CHANDARAMJI GIRLS' HIGH SCHOOL** (V. P. Road), Stds. V—XI.
- SHREEMATI NATHIBAI DAMODAR THACKERSEY KANYA SHALA** (Vithalbhai Patel Road), Stds. V—XI.
- SHARADA MANDIR HIGH SCHOOL** (Chaubal Lane), Stds. V—XI.
- VANITA VISHRAM HIGH SCHOOL** (Sandhurst Road), Stds. V—XI.
- BAI R. F. PAVRI'S GIRLS' HIGH SCHOOL** (Khetwadi), Stds. V—XI.
- SUNITI GIRLS' HIGH SCHOOL** (Parekh Street), Stds. V—XI.
- MASTER'S TUTORIAL HIGH SCHOOL FOR GIRLS** (Kennedy Bridge), Stds. V—XI.
- GIRTON HIGH SCHOOL** (Grant Road), Stds. V—XI.
- PRINCESS HIGH SCHOOL FOR GIRLS** (Lamington Road), Stds. V—XI.
- BAI R. F. D. PANDAY GIRLS' HIGH SCHOOL** (Gilder Lane), Stds. V—XI.
- SIR CAWASJI JAHANGIR GIRLS' HIGH SCHOOL** (Tardeo), Stds. V—XI.
- ANJUMAN-I-ISLAM GIRLS' HIGH SCHOOL** (Bellasis Road), Stds. V—XI.
- INDIAN EDUCATION SOCIETY'S GIRLS' HIGH SCHOOL NO. 1** (Gokhale Road, North), Stds. V—XI.
- INDIAN EDUCATION SOCIETY'S GIRLS' HIGH SCHOOL NO. 2** (Hindu Colony), Stds. V—XI.
- GENERAL EDUCATION INSTITUTE'S GIRLS' HIGH SCHOOL** (Tulsi Pipe Road), Stds. V—XI.
- WOMEN'S EDUCATION SOCIETY'S GIRLS' HIGH SCHOOL** (Portuguese Church Street), Stds. V—XI.
- J. B. VACHHA GIRLS' HIGH SCHOOL** (Parsi Colony), Stds. V—XI.
- GIRLS' MODEL HIGH SCHOOL** (Dadar, Western Railway), Stds. V—XI.
- SOUTH INDIAN WELFARE SOCIETY'S HIGH SCHOOL** (Matunga), Stds. V—XI.
- ANJUMAN-I-ISLAM GIRLS' HIGH SCHOOL** (Mahim), Stds. V—XI.
- SHETH DHANJI DEVSHI RASHTRIYA SHALA** (Ghatkopar), Stds. V—XI.
- SHREE RATNACHANDRAJI JAIN KANYASHALA** (Ghatkopar), Stds. V—XI.
- GIRLS' HIGH SCHOOL, ANDHERI** (Andheri), Stds. V—XI.

ALEXANDRA GIRLS' ENGLISH INSTITUTION

31, Waudby Road, Esplanade, Bombay.

The Alexandra Girls' English Institution was founded by the late Mr. Manockjee Cursetjee in 1883.

It has a Primary and High School Department and imparts education in all branches to Indian Girls of all communities up to the School leaving standard. Besides the usual subjects, music, singing, art, needlework and physical training are included in the curriculum. Gujarati is taught as the vernacular in the School. French, Sanskrit, Hindustani and Persian are also taught.

It runs a Girl Guide and Blue Bird Company and a Junior Red Cross organisation.

PRINCIPAL :—Miss Margaret Benjamin, M.A., B.T., T.D. (London).

JEHANGIR B. PETIT HIGH SCHOOL FOR GIRLS

5, Napier Road, Fort.

It is an English-teaching Girls' High School with Gujarati as the Regional Language and is very well equipped and run on modern lines. Its staff consists of trained graduates and experienced teachers. Its special feature is the Kindergarten where girls from the age of 4 upwards are admitted. The School is housed in two handsome buildings of its own and has accommodation for 400 children.

Hon. Secy. :—Miss P. F. Patuck, L.A.B.

SITARAM PODDAR BALIKA VIDYALAYA

A Hindi-English Girls' High School.

Vidya Bhawan, Fanaswadi, Bombay 2.

OBJECTS.—To spread education through English and Hindi among women in general and those of the Society in particular. To promote and facilitate learning of Hindi, to undertake activities for girls' social and literary progress, to arrange, organise and conduct lectures, exhibitions, demonstrations, shows, clubs and domestic crafts, etc.

ST. COLUMBA HIGH SCHOOL FOR GIRLS

Alexandra Road, Bombay 7.

Conducted by Church of Scotland Mission. Prepares for Bombay University. Hostel, Montessori and (Marathi) Primary Departments. Extensive grounds with facilities for games and extra-curricular activities.

YOUNG LADIES' HIGH SCHOOL

83, Murzban Road, Fort.

The young Ladies' High School was founded on the 6th March 1889. It has on its roll 520 students. A complete course of studies from the Gujarati alphabet, according to the Kindergarten System, upto the S. B. C. Examination is taught, besides arts useful to ladies in their domestic life. Education is imparted on modern lines.

Head-mistress : Miss Manjeh R. Fenivala, M.A.

Proprietress :—Mrs. J. D. Desai.

SECONDARY (ENGLISH) SCHOOLS

BOYS' SCHOOLS

- LITTLE FLOWER OF JESUS HIGH SCHOOL** (Princess Street), Stds. VII—XI.
- ST. MARY'S ENGLISH TEACHING HIGH SCHOOL** (Mazgaon, Nesbit Road), Stds. VII—XI.
- ST. IGNATIUS SCHOOL** (Arthur Road), Stds. VII—IX.
- ST. JOSEPH'S HIGH SCHOOL** (Umarkhadi), Stds. VII—XI.
- ST. SEBASTIAN GOAN HIGH SCHOOL** (Dabul, Girgaon), Stds. VII—XI.
- HILL GRANGE HIGH SCHOOL** (Pedder Road), Stds. VII—XI.
- SIR JACOB SASSOON FREE HIGH SCHOOL** (Byculla), Stds. VII—XI.
- ENGLISH HIGH SCHOOL FOR BOYS AND GIRLS** (Dadar, Western Bly.), Stds. VII—XI.
- ST. MICHAEL'S HIGH SCHOOL** (Mahim), Stds. VII—XI.
- ST. JOSEPH'S SCHOOL** (Upper Colaba), Stds. VII—IX.
- ST. JOHN'S NIGHT HIGH SCHOOL** (4, Green Street, Fort), Stds. VII—XI.
- NEW MODEL HIGH SCHOOL** (Chinch Bunder), Stds. VII—XI.
- ST. ALOYSIUS SCHOOL** (Bandra), Stds. VII—XI.
- ST. ANDREW'S HIGH SCHOOL** (Bandra), Stds. VII—XI.
- ST. XAVIER'S SCHOOL** (Vile Parle), Stds. VII—XI.
- ST. BLASE'S SCHOOL** (Andheri), Stds. VII—XI.
- SACRED HEART BOYS' SCHOOL** (Santa Cruz), Stds. VII—XI.
- HOLY CROSS PARISH SCHOOL** (Kurla), Stds. VII—X.

ANTONIO DE SOUZA HIGH SCHOOL

Byculla.

This school was founded by Antonio de Souza in 1795 for the education of the Roman Catholic children of Mazgaon, but was actually started in 1825. It was closed in 1878 and was reopened in 1883 by Dom Antonio Pedro da Costa, the then Bishop of Damaun. About 1890 it was entered on the list of aided English-teaching schools. It was a primary school till 1916 when the 6th standard was sanctioned. In 1917, the 6th and in 1918 the 7th and the 8th standards were sanctioned. It is open to children of both sexes of all classes and creeds.

CHILDREN'S ACADEMY

Vachha Gandhi Road, New Gamdevi, Bombay 7.

Children's Academy is a co-educational School with Infant, Primary and Secondary departments run on modern lines of education.

The School aims at keeping in touch with the most recent advances in education. In certain subjects, individual work is encouraged.

Various extra-curricular activities are carefully attended to. These activities include Debates, Assemblies, Annual Sports, Dramatics, Scouting, Class Magazines, School Magazines, Excursions, etc.

An up-to-date Library is maintained for the students.

PRINCIPAL :—A. S. Sthalekar, M.Sc., T.D. (Lond.), J.P.

DON BOSCO HIGH SCHOOL

Matunga, Bombay 19.

The Don Bosco High School is an English Teaching School for boarders and day-scholars.

The Institution prepares boys for the S.B.C. Examination. Its aim is to impart sound education, instil praiseworthy character. Athletics and games are greatly encouraged.

The School is managed by Salesian Fathers of St. John Bosco. The School has modern buildings and extensive playgrounds.

DR. ANTONIO DA SILVA HIGH SCHOOL**Dadar.**

This Institution owes its existence to the liberality of its founder the late Dr. Antonio da Silva. It was established in 1867 to afford secular instruction to Roman Catholic children. It is an English-teaching School and is conveniently situated near the Dadar Junction of the Central and Western Railway lines. It is open to all classes irrespective of caste or creed. The total strength of the School is 1,200.

Ag. PRINCIPAL.—F. X. D'Silva, B.A., B.T., LL.B.

SECRETARY.—C. A. Murzello, B.A., LL.B.

ST. STANISLAUS' HIGH SCHOOL**75-76, Hill Road, Bandra.**

This School is conducted by the Fathers of the Society of Jesus. It is a Catholic school, but is open to students of all denominations. There are approximately one thousand day-scholars and three hundred boarders. Students are prepared for the Secondary School Certificate Examination.

Rev. D. Donnelly, S.J., *Rector and Principal*; Rev. T. Molina, S.J., *Assistant Principal*; Rev. A. Casale, S.J., *Sports Master and Senior Supervisor*; Rev. P. Garcia, S.J., *Treasurer*; Rev. R. Irache, S.J., *Music Master*.

ST. XAVIER'S HIGH SCHOOL**Carmel Road, Fort.**

Opened in 1860 and conducted by the Fathers of the Society of Jesus. Its object is to provide Catholic boys with a full course of instruction up to the Secondary School Certificate Examination. Non-Christians are also admitted.

Rev. A. Solagran, S.J., *Rector*; Rev. S. Bonet, S.J., *Principal*; Rev. R. Pereira, S.J., *Vice-Principal*; Rev. D. Keating, S.J., *Assistant Principal*; Rev. A. Balta, S.J., *Treasurer*.

GIRLS' SCHOOLS

ST. ANNE'S HIGH SCHOOL FOR GIRLS (Fort, Mayo Road), Stds. VII—XI.

ST. ANNE'S HIGH SCHOOL FOR GIRLS (Burrows Lane, Dabul), Stds. VII—XI.

ST. THERESA'S HIGH SCHOOL (Kelewad), Stds. VII—XI.

ST. ISABEL'S HIGH SCHOOL (Mazgaon), Stds. VII—XI.

ST. JOSEPH'S CONVENT HIGH SCHOOL (Aglipada), Stds. VII—XI.

ST. AGNE'S HIGH SCHOOL (Clare Road), Stds. VII—XI.

ST. ANTHONY'S HIGH SCHOOL (Bellaria Road), Stds. VII—XI.

CONVENT HIGH SCHOOL FOR GIRLS (Dadar), Stds. VII—XI.

VICTORIA HIGH SCHOOL (Mahim), Stds. VII—XI.

MOUNT MARY CONVENT HIGH SCHOOL (Bandra), Stds. VII—XI.

ST. TERESA'S CONVENT HIGH SCHOOL (Santa Cruz), Stds. VII—XI.

QUEEN MARY HIGH SCHOOL**Girgaum, Bombay 4.**

The School belongs to the Zenana Bible and Medical Mission and is intended to provide an up-to-date education for Indian girls of all communities. Continuous efforts are made to maintain efficiency by the best and most modern methods of education. Practical stress is laid on the foundation of character. Pupils are prepared for the Cambridge School Certificate and for the Bombay S.S.C. examinations. There is a large kindergarten for boys and girls under the supervision of well qualified teachers. Gujarati, Urdu, Hindi and Sanskrit are taught if desired.

Principal :—Miss A. K. Groom, M.F.U., London.

ST. JOSEPH'S CONVENT**Bandra, Bombay 20.**

This Institution conducted by the Daughters of the Cross of Liege, Belgium, comprises :—

1. An Anglo-Indian High School (Boarding and day). The building is one of the finest and most up-to-date in the State. Pupils are prepared for the Cambridge Local, Trinity College of Music and Bombay School of Arts Examinations and S. S. C.

2. An English-Teaching High School (Boarding and Day). Pupils are prepared for Bombay S. S. C. Examination.

3. An Orphanage Primary School.

ST. MARY'S HIGH SCHOOL**Nesbit Road, Mazagaon, Bombay 10.****(Conducted by Fathers of the Society of Jesus).**

The Institution prepares students for the Cambridge School Certificate and Bombay S.S.C.

Rector and Principal, Rev. F. Ribot; Assistant Principal for the Cambridge Section, Rev. H. Dalton; Headmaster for the S.S.C. Section, Rev. J. Valls.

ST. PETER'S HIGH SCHOOL FOR BOYS AND GIRLS

The School which is under the charge of the Society of St. John the Evangelist is open to all communities and works up to the Secondary School Certificate of Bombay.

There is a residential Hostel of 130 boys including Apprentices.

ANGLO-INDIAN SCHOOLS**BOYS' SCHOOLS.**

CHRIST CHURCH HIGH SCHOOL (Byculla, Parel Road) Infant—Std. XI

SCOTTISH ORPHANAGE SOCIETY'S HIGH SCHOOL (Mahim), Infant—Std. XI.

CAMPION SCHOOL (45, New Marine Lines), Stds. III—VII

CATHEDRAL & JOHN CONNON SCHOOLS**6, Outram Road, Fort.**

These schools have Boys, Girls and Kindergarten Departments, and the courses reach generally to the Cambridge School Certificate Examination, the Bombay S.S.C. Examination, and, in some cases, to the Cambridge Higher School Certificate. The Schools now cater for some 900 Children of all communities.

The Schools are administered by a Board of Governors representing the Cathedral and the Scottish Churches. *Principal of the Boys' School*.—B. Gunnerv. *Principal of the Girls' School*.—Mrs. E. F. Wanstall.

GIRLS' SCHOOLS

CATHEDRAL AND JOHN CONNON HIGH SCHOOL (Napier Road), Stds. Infant—XI.

CONVENT OF JESUS AND MARY HIGH SCHOOL (Wodehouse Road), Stds. Infant—XI.

CONVENT OF JESUS AND MARY HIGH SCHOOL (Byculla, Clare Road), Stds. Infant—XI.

COMMERCIAL SCHOOL OF THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION (Mayo Road).

CENTRAL RAILWAY SCHOOL (Parel), Stds. I—VI.

ST. MARGARET'S TRAINING COLLEGE (Byculla, Clare Road).

ST. JOSEPH'S CONVENT HIGH SCHOOL (Bandra), Infant—XI.

TECHNICAL INSTITUTIONS

ADARSHA KALA GRIHA (37, Dwtjavihar, Mangalwadi, Girgaum, Bombay 4).

A. S. PATEL ACADEMY FOR DOMESTIC ARTS (Classes attached to Bai Bhikajee S. Bengalee Girls' High School, 262, Princess Street, Chandanwadi).

B. N. GAMADIA PARSEE HUNNARSHALA (Gamadia Par-see Colony, Tardeo, Bombay).

BHAGINI SAMAJ (Sonawala Building, Tardeo, Bombay).

BHAGINI SAMAJ BHULESHWAR CENTRE (Jalind Estate Building, 3 South Wing, 1st Floor, C.P. Tank, Bombay).

BHAGINI SAMAJ CHANDABEN UDYOGSHALA (225, Khetwadi Main Road, Bombay).

BHARATIYA KALA VIKAS (Shanti Nivas, 14th Road, Khar).

BHATIA STREE MANDAL (Mangesh Shenoy Street, Fort, Bombay).

CHEMBUR CHILDREN'S HOME (Chembur).

DADAR SCHOOL FOR BLIND (Dadar).

DAVID SASSOON INDUSTRIAL SCHOOL (83, Lady Hardinge Road, Mahim).

DAWOODBOHOY FAZALBOHOY MUSLIM WOMEN'S HANDICRAFT INSTITUTE (42, Pydhoule Road, Khadak, Bombay).

GOVERNMENT LEATHER WORKING SCHOOL (Bandra).

GOVERNMENT TANNING INSTITUTE (Bandra).

GUJARATI HINDU STREE MANDAL (Amrell House, Vithalbhai Patel Road, Bombay 4).

GUJARATI HINDU STREE MANDAL (Hiravati Hall, Tagore Road, Santa Cruz).

GUJARATI HINDU STREE MANDAL (Kanda Jyantla, Gandhi Chowk, Thana).
 INDUSTRIAL ART SCHOOL (262, Rane Building, Charni Road, Bombay 4).
 INSTITUTE INDO-PORTUGUESE (Kaverna Building, Dhobi Talao, Bombay 2).
 INSTITUTE OF RADIO TECHNOLOGY (Jestharam Bag, Tram Terminus, Dadar).
 KALA MANDIR (C/o Girgaum New English School, Mughbhat Naka, Bombay 4).
 KALYAN MAHILA MANDIR (Panchali, Phadkewada, Kalyan).
 KANDIVALI STREE MANDAL (Ghodbunder Road, Kandivali).
 KUMARIKA & STREE MANDAL (Bhagini Samaj, Sarojini Road, Vile Parle).
 LADIES' INDUSTRIAL HOME (C/o B. G. Rao's Bungalow, Khar).
 MAHILA KALA BHUVAN (Kunte Building, Vithalbhai Patel Road, Girgaon, Bombay 4).
 MAHILA KALA KENDRA (Dawood Baug, Andheri).
 MAHILA KALA KENDRA (Santa Cruz).
 MAHILA KALA MANDIR (Underao Cross Road, Brahmin Sabha Building, Malad).
 MAHILA KALA NIKETAN (Gamdevi).
 MARINE COLLEGE & SEAMEN'S ORPHANAGE (SEAPOST) (Novha Island, Bombay Harbour).
 MODERN TAILORING COLLEGE (Central Rly. Stores Lane, Patil Chawl).
 N. S. D. INDUSTRIAL HOME FOR BLIND (52 B.D.D. Chawla, Worli).
 NARI SEVA SADAN (Kurla Camp).
 NAVABHARAT AUDYOGIK VIDYALAYA (Girgaon Municipal Marathi Boys' School, Girgaon, Bombay 4).
 NAVA BHARAT KALA MANDIR (336, Bhai Jivanjee Lane, Thakurdwar).
 NAVYUG TAILORING COLLEGE (Narvekar's Anant Nivas, Arthur Road, near Chinchpokli Bridge).
 PARAMOUNT RADIO INSTITUTE (Adenwala Road, Dharamsey Bhuvan, Bombay 19).
 PEDNEKAR EMBROIDERY COLLEGE (172, Girgaon, Bombay 4).
 PROF. DATE'S DEAF & DUMB INSTITUTE (Thakurdwar).
 R. H. PATUCK INDUSTRIAL SCHOOL (Nehru Road, Santa Cruz).
 SHIVAN KALA MANDIR (Harduval Building, Mughbhat, Thakurdwar).
 SHRI KOT HINDU STREE MANDAL (45, Modi Street, 1st Floor, Fort).
 ST. XAVIER'S TECHNICAL INSTITUTE (Cruickshank Road, Bombay 1).
 TEXTILE TECHNICAL SCHOOL (Damodar Thackersey Moolji Hall, Parle).
 PATHARE PRABHU MAHILA SAMAJ CUTTING AND SEWING CLASS (333, Thakurdwar, Bombay).
 VANITA SAMAJ (New Patkar's Blocks, Turner Road, Bandra).
 VICTORIA MEMORIAL SCHOOL FOR BLIND (Tardeo, Bombay 7).
 VIJAY TAILORING COLLEGE (Mohd. Mansion, Dr. Maheshwari Road, Bombay 9).
 VIJAY VIDYALAYA (Mohd. Mansion, Dr. Maheshwari Road, Bombay 9).
 VILE PARLE GUJARATI MANDAL (Shraddhanand Road, Vile Parle (East)).
 ZARAPKAR TAILORING & CUTTING INSTITUTE (Dadar).

BOMBAY DUMB & DEAF INSTITUTION

Kakadwadi, Girgaon.

The above institution was started in 1925. Dumb and deaf boys and girls are taught here to write, read and stitch. Admission is given to the needy irrespective of caste and creed. More than 350 students have taken benefit of this charitable institution so far. Almost all of them are now earning their own livelihood.

Principal :—S. N. Medhekar.

BRITISH INSTITUTE OF ENGINEERING TECHNOLOGY (INDIA) LTD.,

BRITISH INSTITUTE OF COMMERCE AND ACCOUNTANCY

Petit Bldg., 350, Hornby Road, Fort.

The Institutes provide Correspondence Courses in all branches of Engineering and Commerce, both for professional examinations and for vocational training. The Courses are recommended for all those wishing to prepare in their spare time for entry into Engineering or Commerce, and for those already employed in these professions who wish to qualify for higher positions.

DOCKYARD APPRENTICE SCHOOL

Indian Naval Dockyard, Fort.

Dockyard Apprenticeships are awarded to boys between 16 and 19 years of age who pass the all-India open competitive examinations and interviews held annually in June and July.

In addition to their practical training, Apprentices receive instruction in Mathematics, Mechanics, Science, Indian History, Heat, Metallurgy, Electricity and Mechanical Drawing. Lectures on Marine Engineering, Electrical Engineering and Naval Architecture are also given to the upper school classes.

Officer-in-Charge, Commander (E) H. G. Jeffers, R.N., M.I.Mar.E.
Senior Instructor Officer, Lieut.-Commander A. C. Seth, I.N.

DAWOODBHOY FAZALBHOY MUSLIM WOMEN'S HANDICRAFT INSTITUTE

42, Pydhonie Road, Bombay.

This Institute was started by the Trustees of the Dawoodbhoys Fazalbhoys Muslim Educational Trust in the year 1929 for giving instruction to Muslim women and children in arts and crafts. No fee is charged. Education is free. Facilities are offered for women to attend either morning or afternoon classes. The following subjects are taught :—

1. Cutting, Sewing and Knitting. 2. Hand and Machine Embroidery. 3. Drawing. 4. Hygiene and First-aid. 5. English and Cooking.

The full course for obtaining Diploma of the Institute is three years.

Minimum educational qualification for admission : knowledge of Vernacular, Gujarati or Urdu.

The Institute coaches students for the Elementary and Intermediate Government Drawing Examinations and is a centre for the examinations for Purdah girls.

Lady Superintendent.—Miss G. Patil, B.A., B.T.

"DUFFERIN," TRAINING SHIP

Off Mazgaon Pier, Bombay 10.

(Under the administrative control of the Government of India, Ministry of Transport.)

The first cadets joined the Training Ship "Dufferin" in November 1927 since when 967 Cadets have passed through the Ship of whom 75 are officers in the Indian Navy and its Reserves and 247 officers in the Merchant Navy. 200 are serving in ancillary and other services and 213 are at present apprentices at sea and in workshops. In addition, there are 98 Cadets in training on board the "Dufferin."

The age limit for admission is between 15 years and 17 years on the 1st July prior to the year of entry. Annually 80 Cadets for the Executive Branch are admitted for a 2-year course, terminating in the Final Passing Out Examination of the Ship.

The total cost to the parent of training a boy is about Rs. 2,000 for the 2-year course. A number of Scholarships are available, both while in training on board and while serving as apprentices at sea to deserving cadets; some are awarded on financial grounds and others on merit.

The board of control consists of a Governing Body with the Transport Minister to the Government of India as *ex-officio* Chairman.

GOVERNING BODY :—*Chairman*.—The Minister-in-Charge of the Government of India, Ministry of Transport (*ex-officio*); *Members*.—The Director-General of Shipping (*ex-officio*); N. J. Wadia (*ex-officio*); J. L. P. Roche-Victoria, M.L.A.; Nussli Kumar Banerji, M.L.A.; Chimanlal Chakubhai Shah; Giani Gurmukh Singh Musafir, M.P.; Panalal M. Chianl; N. H. G. Grant; Bijoy Prasad Singh Roy; S. N. Hajl; Capt. R. D. Katari, I.N.; The Hon'ble Mr. Justice N. H. Bhagwati (*ex-officio*). *Secretary*.—Captain M. F. S. C. Harvey, R.D., J.P.

Captain Superintendent.—Captain M. F. S. C. Harvey, R.D., J.P.

ELPHINSTONE TECHNICAL HIGH SCHOOL

Cruickshank Road, Fort.

The former Elphinstone High School was completely converted into a Technical High School in the year 1944. It now undertakes to impart to pupils not only General education in English, Geography, Mathematics, Science and Regional Languages up to the Matriculation Standard, but, in addition, trains them in Electrical and Mechanical Engineering and prepares them for the S.S.C. Examination conducted by the S.S.C. Examination Board. After passing the S.S.C. Examination, the students can join the Diploma Courses of the Engineering College, Poona, or the V.J.Til., Matunga, or if they like, the F. Y. Science or F. Y. Architecture Course of the University of Bombay.

The Government of Bombay have allotted 24 Technical Scholarships and 12 Backward Class Vocational Scholarships to this Institution.

MOGAVEERA FREE INDUSTRIAL SCHOOL FOR WOMEN

46, Vir Nariman Street, Fort, Bombay.

The School was inaugurated on the 1st February 1941. The curriculum covers: (1) Literacy. (2) Teaching of sewing, stitching and allied embroidery work. (3) Health and Sanitation. This is also a Social Institution of Mogaveera Youths of Karnataka. Free Admission is given to all classes of women irrespective of caste and creed.

M. H. SABOO SIDDIK TECHNICAL INSTITUTION

5, Shepherd Road, Byculla, Bombay 5.

This Institution is divided into two Sections: (i) Technical High School Section leading to the S.S.C. Examination; (ii) The Technical Institute Section prepares students in the following Trade Courses recognised by the Department of Technical Education, Government of Bombay:—(a) Auto. Engg. (3 yrs.); (b) Electrical Engg. (3 yrs.); (c) Radio Servicing (1 yr.); (d) Auto. Apprentice (2 yrs.); (e) Mechanical Apprentice (2 yrs.); (f) L. G. Textile Weaving (2 yrs.); (g) Wireman's Apprentice (1 yr.).

The Institution also offers instruction in the following courses of its own certificates: (a) Art Painting and Poster designing (1 yr.); (b) Electric Arc and Gas Welding (1 yr.).

JT. PRINCIPALS.—P. E. Chichgur and S. S. Desnavi.

NAUTICAL ENGINEERING COLLEGE

Waudby Road, Bombay 1.

(Under the administrative control of the Directorate-General of Shipping, Ministry of Transport, Government of India).

The College was inaugurated on 1st October, 1948 on the recommendation of the Merchant Navy Training Committee. Training facilities are provided to candidates for almost all the examinations for Certificates of Competency conducted by the Ministry of Transport.

The normal duration of the courses is three months. This College being a purely professional training institution, admission is granted only to those who have done sea service and/or workshop service and are eligible to appear for Ministry of Transport examinations.

Principal:—Captain P. Alexander, F.R. Met.S., M.I.N., Assoc.I.N.A.

INDIAN TECHNICAL EDUCATION SOCIETY'S RADIO ELECTRIC INSTITUTE

Lamington Chambers, Opp. "The Swastik", Bombay 4.

This Institute was started in April 1934 to fulfil a much-felt need in Radio Circles for good, trained Radio Experts. In course of time other courses were added so that today the Institute is well equipped with qualified staff and Laboratory apparatus adequate to give students thorough experience and training in courses preparatory to

- (i) Associate Membership Examinations held by
 - (a) Institute of Engineers (India),
 - (b) Institute of Electrical Engineers (London), and
 - (c) British Institute of Radio Engineers.
- (ii) City and Guilds—London Institute Final Grade Examinations in
 - (a) Electrical Engineering Practice, and
 - (b) Radio Service Work.
 - (c) Refrigeration Practice (Inter Grade).
- (iii) Government of India's I, II and Special Class Certificate of Competency Examinations in Wireles Telegraphy.
- (iv) Department of Technical Education, Government of Bombay Examinations in
 - (a) Radio Engineering,
 - (b) Radio Servicing,
 - (c) Electricians,
 - (d) Wireman Apprentices,
 - (e) Wireless Telegraphy.

The Institute is recognised by the Department of Technical Education of the Government of Bombay for Examinations and Certificate purposes.

ROBERT MONEY SCHOOL

Proctor Road, Bombay.

This Institution was founded by the Church Missionary Society in 1836 in memory of Mr. Robert Cotton Money of the Bombay Civil Service, who was an ardent advocate of Higher Education based on Christian principles. After his death in 1835 a fund was raised by some of his friends who entrusted the founding of the school to the Church Missionary Society. The School was converted into a Technical High School in 1948 preparing pupils for the Government Secondary School Certificate examination with technical subjects. A Primary School is attached to the High School.

Principal.—C. A. Christie, B.A., B.T.,

SIR JAMSETJEE JEEJEEBHROY SCHOOL OF ART

Hornby Road, Fort.

This School of Art was established in 1857, Sir Jamsetji Jijibhoy, the first Baronet contributing Rs. 1,00,000 towards its endowment on condition that Government provided suitable buildings and engaged a competent staff from England and India. The first buildings were temporary structures, but in 1878 a Drawing, Modelling and Design School was erected at a cost of Rs. 2,00,000. To this in 1882 was added a second building to accommodate the Reay Art Workshops which cost Rs. 50,000 while in 1907 a third building called the Sir George Clarke Technical Laboratory and Studio was built at a cost of Rs. 98,000. Since then further workshops connected with the Pottery Laboratory have been built costing Rs. 25,000, and in all, Government have expended approximately Rs. 4,00,000 on buildings erected upon nearly three acres of Government ground. The third building is now used as the School of Architecture as the Technical and Pottery Laboratories were discontinued in 1926. In 1935, a new Section was introduced in the School of Art, for the training of Commercial Art in all its branches. The Section has now developed to a full course of 4 years, awarding Government Diploma in Commercial Art. The Government of Bombay inaugurated the first year Degree course in Architecture commencing from 1952-53 and progressively the Diploma Course into a Degree course. Along the main course of study in Commercial Art, the students are also trained in the allied technical subjects such as Photography, Block-making, Lithography, Interior Decoration—Design, Interior Decoration—Crafts, Printing, Modern Packaging and Bookbinding. Courses of study covering a period of five years are held in the following subjects: drawing and painting, sculpture, architecture, commercial art and design. In the workshops instruction is given in cabinet making, wood and stone carving, metal work, and house decoration. The training of drawing teachers for all high schools is carried out in a normal school established for that purpose.

A small Art Museum containing specimens of Indian and European art is attached to the school.

Numerous Government and private scholarships and prizes are awarded to the best students of the school, while special Government scholarships for backward class students are also available in a small number. Stipendiary scholars are sent to the School by the State Governments and foreign countries such as Ceylon, Pakistan and Africa.

Dean.—J. D. Gondhalekar.

STATE COUNCIL OF TECHNICAL EDUCATION STATE OF BOMBAY.

C/o Department of Technical Education, Elphinstone Technical High School Building, Dhobi Talao, Bombay.

On the recommendations of the Industrial and Technical Secondary Education Committee appointed by Government to review the progress of Technical, Industrial and Vocational training in the State of Bombay, and the Committee appointed to go into the problem of award of Diplomas by the Universities and the Board of Technical and Industrial Training, Government have set up a State Council of Technical Education, with effect from January 1951, in place of the Board of Technical and Industrial Training, with adequate representation to all interests and with wider functions. Government have also vested the control of all Technical and Industrial Institutions or courses leading up to the Diploma standard (Non-University Grade) including courses falling under the control of the University in the Director of Technical Education, Bombay State, Bombay.

The Inspector of Technical Education (Chemical Engineering) is the Secretary of the Council.

The functions of the Council are to advise Government and make recommendations regarding: the courses and standards of instruction in technical institutions; arrangements for the periodical inspection and examination of these institutions as regards their staff, accommodation, equipment, courses of study, methods of work and actual work done; the requirements of the State in Technical and Industrial Education; opening of new technical institutions; conditions of recognition of new institutions; payment of grants-in-aid to institutions; appointment of Boards of studies for the various branches of Engineering and Technology; arrangements for examinations; award of certificates and diplomas; preparation of textbooks on Technical subjects in Hindi and the regional languages.

TEACHERS' TRAINING ACADEMY

Bharda New High School, Waudhy Road, Bombay 1.

This is an institution preparing candidates for the Government B.T.C. Examination, and is recognised by the Government Educational Department.

Principal - J. H. Trivedi, B.A. Secretary:—B. M. Kapadia, M.Sc., B.T.

VICTORIA JUBILEE TECHNICAL INSTITUTE

Matunga, Bombay.

The Victoria Jubilee Technical Institute was established in 1888 in commemoration of the Jubilee of Queen Victoria and is located in spacious buildings erected at King's Circle, Matunga. The Institute offers courses leading both to Degrees and Diplomas in Technology. The curriculum is one of four years for diplomas which are granted in the following technologies:—Mechanical Engineering (I.M.E.); Electrical Engineering (I.E.E.); Textile Manufactures (I.T.M.); Technical Chemistry (I.T.C.) and Sanitary Engineering and Plumbing (I.S.E.).

The Institute is affiliated to the University of Bombay for the Degree courses in Mechanical, Electrical & Civil Engineering, and Textile Manufactures. The number of students admitted to each course is very limited, viz:—Mechanical Engineering—30; Electrical Engineering—30; Civil Engineering—50; and Textile Manufactures—20. The establishment of the Degree courses was made possible by the liberal grants from both the Government of Bombay and the Government of India. About 30 per cent of the seats are reserved for students coming from outside Bombay State.

The Institute offers part-time courses for persons who are working in the industry. It conducts the City and Guilds of London Institute Technological Examinations. It also conducts examinations on behalf of the Institution of Mechanical Engineers and other similar professional institutions.

Principal.—P. N. Joshi, B.A. (Hons.), M.Sc. (Tech.) (Manchester), F.R.I.C.

EDUCATION SOCIETIES**ALLIANCE FRANCAISE DE BOMBAY**

French Bank Building, 62, Homji Street, Fort, Bombay.

The aim of the Alliance Française is to make known French language, thought and culture. It organizes lectures and meetings, French film shows and exhibitions, and stages French plays. Apart from the cine club which presents at least one full-length film every month, there is also a school of modern French, with beginners' and conversation classes and also advanced courses in history and literature.

OFFICE-BEARERS:—D. R. D. Tata, President; Rev. Fr. J. Duhr, Vice-President; M. M. Minne, Honorary Treasurer; M. H. Murelia, Honorary Secretary.

ANGLO-SCOTTISH EDUCATION SOCIETY.

6, Outram Road, Fort.

ANJUMAN-I-ISLAM

92, Hornby Road, Bombay.

The Anjuman-i-Islam is now an Association registered under the Indian Companies' Act; the original Association was founded in the year 1875. This Anjuman is conducting:

- 3 Boys' High Schools;
- 1 Boys' Middle School;
- 1 Technical High School (with a section of 9 Trade Courses);
- 2 Commercial High Schools;
- 2 Girls' High Schools with Primary Sections;
- 1 Urdu Research Institute for Post-Graduate Studies;
- 1 Public library and reading room;
- 1 Boys' Hostel;
- 1 Night School for adults; and
- 1 Children's Foundling Home.

President.—Mahomed Haji Ahmed; General Secretary.—S. S. Desnavi, B.Sc., B.T.

BALAK MANDIR

C/o P. K. V. Samaj, Gamdevi, Bombay 7.

The Institution was founded in June 1949 by the Pathare Khatrilya Vakratrutwotejak Samaj to impart education to children through Montessori methods by trained teachers and is open to all irrespective of any caste or creed.

Chairman.—Krishnarao Ramchandra Desai.

Hon. Secretary.—Trimbak Atmaram Gharat.

Hon. Treasurer.—Mrs. Kamal Pyarelal Paralkar, B.A., B.T.

BHARATIYA VIDYA BHAVAN

Chowpatty Road, Bombay 7.

Bharatiya Vidya Bhavan, a unique educational institution, conducts Shastric studies on indigenous lines, Indological research on lines developed in the West and the dynamic cultural activities of resurgent India looking forward to the future. It conducts (i) Sanskrit Mahavidyalaya for Shastric studies, (ii) Gita Vidyalaya for study of Hindu religion, (iii) Samshodhan Mandir for Post-graduate studies and research in Indology, (iv) Sarasvati Mandir for fine arts and handicrafts, and (v) M. M. Arts College and N. M. Institute of Science, Andheri, a college affiliated to the Bombay University for B.A. & B.Sc. courses, (vi) Publishes University Books—the *Bharatiya Vidya*, an Indological Quarterly and the *History and Culture of the Indian People* in ten volumes. Its research work consists of 35 volumes published, an equal number under print and more under preparation. Many chairs and scholarships are kept for study and research. The library and Museum have valuable collections. Many scholars of all-India reputation are on the staff. *Founder-President*.—K. M. Munshi.

BOMBAY CITY SOCIAL EDUCATION COMMITTEE

Bhatia Mitra Mandal Bhuvan, Opp. G.P.O., Fort, Bombay.

This Committee formerly known as the Bombay City Adult Education Committee has been constituted by the popular Government of Bombay since 1939 and reconstituted every three years in order that the literacy and social education campaign in Bombay is organised and carried on properly and on permanent basis. The new orientation of Adult Education into Social Education is now fully accepted. Besides literacy, the Committee imparts general knowledge in health, personal and community hygiene and sanitation, civics, etc.

Shri B. G. Kher, the Ex-Chief Minister of Government of Bombay and now High Commissioner for India in U.K., Shri Mangaldas Pakvasa and the Shri Gulzarilal Nanda, now Minister for Planning, Government of India, have guided the Committee as Presidents in the past. Since 1949, Shri Champaklal G. Modi, a retired Judge of Bombay and an active member of the Committee has been appointed as its President. Shri K. T. Mantri worked as the Secretary till June 1948. Thereafter Shri B. M. Kapadia is the Secretary and Social Education Officer of the Committee.

The Committee is carrying on the campaign according to the Ten-Year Plan prepared in 1946, with a view to liquidating illiteracy from the adult population numbering about 600,000, within the years, at the aggregate cost of Rs. 55,00,000. The Plan has been supplemented by "The New Approach to the Ten-Year Plan". The Committee's jurisdiction has been extended since 1950 to the whole of Greater Bombay. The Committee has a special scheme of educating workers in mills and factories. 112 classes are now working in about 41 mills.

Activities.—The Committee runs 2,000 literacy centres per year in Marathi, Gujarati, Hindi, Urdu, Kannada, Telugu; runs 600 post-literacy centres; arranges cultural programmes every week; arranges cinema programmes every day; circulates library boxes; arranges science and other exhibitions for the enlightenment of the illiterate masses.

Finances.—The annual expenditure is about Rs. 3,50,000. The Government of Bombay pays 50 per cent of actual expenditure. The Municipality grants Rs. 1,00,000. Sir Dorabjee Tata, Sir Ratan Tata Trusts and N. M. Wadia Charities make regular contributions amongst others.

A special annual feature is the Social Education Week celebration to collect funds and to propagate social education.

Achievements.—In the last 13 years, the Committee has educated in literacy and other general knowledge in Marathi, Hindi, Urdu, Gujarati and Telugu languages more than 250,000 adults of whom 45,000 were women at a total cost of Rs. 21,45,415. Adults are provided all facilities free.

BOMBAY EDUCATION LEAGUE

320, Girgaum Road, Bombay.

AIMS AND OBJECTS.—Educational uplift of masses backward in education. Branch of Maratta Mandir Ltd.

INSTITUTIONS UNDER CONTROL.—Three High Schools and one Primary School in Bombay; one High School and one Training College at Akalkot; one High School at Jath; one Hostel for Students in Sholapur.

BOMBAY EDUCATION SOCIETY

The Bombay Education Society was founded in 1815 by Archdeacon Barnes for the maintenance and education of poor European and Anglo-Indian children in the city of Bombay.

Patron—The Governor of Bombay; **President**—The Rt. Rev. The Bishop of Bombay; **Chairman of Managing Committee**—Major D. V. Deans, C.I.E., O.B.E.; **Honorary Secretary**—The Rev. A. S. H. Johnson; **Honorary Treasurers**—R. Douglas, G. D. Peterson; **Headmaster**, Barnes High School, Deolali, W. R. Colea, B.A.; **Headmaster**, Christ Church High School, Byculla, V. J. Gilder, B.A.

The Society owns and manages two schools—the Christ Church High School at Byculla and the Barnes High School at Deolali.

The boys and girls are prepared for the Cambridge Local, Government High School and other examinations.

THE BRITISH COUNCIL

REGIONAL OFFICE AND LIBRARY.—French Bank Bldg., Homji Street, Fort.

The British Council is a body under Charter to Her Majesty the Queen and is the principal agent in Britain for the development of cultural relations with foreign and Commonwealth countries. It works in some sixty countries, in addition to extensive activities in the United Kingdom itself.

Its main functions are the conveying of a knowledge of Britain to other countries. This it does by encouraging intercourse and the exchange of ideas between technical, professional, and educational groups in Britain, and similar groups in countries abroad. It fosters a knowledge of the English language and trains teachers to that end. It co-operates with overseas universities, schools and societies to further those studies. It grants over 200 scholarships every year to allow students to visit Britain and undertake courses of study. Ten such scholarships are awarded in India each year. The welfare of students from the Colonies is its special responsibility. It has welfare and other institutions for foreign students in the larger towns of Britain. In addition, it invites selected individual visitors to Britain as its guests, and gives, wherever possible, help and advice to visitors from overseas who go to Britain of their own accord. It is the administering body for Fellowships awarded by United Nations' specialised agencies for study in Britain.

In literature, music, drama, the fine arts, pure science, engineering, medicine and agriculture, it provides manifestations abroad, sending lecturers, exhibitions and other works. It establishes libraries and reading rooms.

Headquarters : 65, Davies Street, London W.1.

Chairman : General Sir Ronald Adam, Bt., C.C.B., D.S.C., O.B.E.

Headquarters in India : New Delhi.

Other Regional Offices in Calcutta and Madras.

DAWOODBHOY FAZALBHOY MUSLIM EDUCATIONAL TRUST

42, Pydhonie Road, Bombay.

AIMS AND OBJECTS.—Muslim Education: Award of studentships and Educational Loan for Higher Studies in India and abroad.

Trustees :—Mrs. Fatmabai Dawoodbhoi Fazalbhoi, **Chairman**; Esmail Abdul Karim Panjoo; Ashraf Dharansey and Y. C. Chitwala.

DAWOODBHOY FAZALBHOY NURSERY SCHOOL

42, Pydhonie Road, Bombay.

This school was started by the Trustees of the Dawoodbhoi Fazalbhoi Muslim Educational Trust in June 1946, for giving instruction to Muslim boys and girls of 2½ years, in Gujarati and Urdu. A substantial meal is served at lunch for the children, and sleeping arrangements are made in the afternoon.

GENERAL EDUCATION ACADEMY

65, Babu Genu Road, Bombay 2.

A private organisation for the promotion of Education among the masses. Free advice to parents. Publication of original theses or essays on education considered. Practical suggestions regarding external degrees and courses for non-collegiate students given.

Director :—Hari Prasad Gupta.

GENERAL EDUCATION INSTITUTE

Dadar, Bombay.

The Institute may be said to owe its origin to the rapid growth and prosperity of the Dadar English School and the Primary School, Dadar, and of the A. V. School, Kalyan, started by the late Mr. G. N. Akshikar, with the main object of promoting education among the masses.

The Society at present conducts the following institutions :—

The Chhubildas Lulloobhoy Boys' High School, Dadar, Bombay; The High School, Kalyan; The New High School, Kalyan; M. H. High School, Thana; The Native Institution, Uran, District Kolaba; Girls' High School, Dadar, Bombay; English School, Matunga; Parsharam Ramnarayan English School, Bhivandi, District Thana; S. V. Joshi High School, Dombivli, District Thana; High School, Kurla; The Chhubildas Lulloobhoy Primary School, Dadar, Bombay.

President :—Raja Shrimant Sir Raghunathrao S. Pandit Pant Sachiv, K.C.I.R., Raja of Bhore, Bhore.

Chairman, Board of Directors :—Dr. D. S. Munagekar, L.C.F. & S., Dadar.

Secretary :—V. M. Dhamankar, B.A., B.T.

GOKHALE EDUCATION SOCIETY

Vithalbhaji Patel Road, Bombay.

The Gokhale Education Society was founded in February, 1918, to commemorate the name of the great educationist and patriot, the late Mr. Gopal Krishna Gokhale. The objects of the Society are :—1. To start, control and maintain institutions imparting education to students with a view to making them ideal citizens. 2. To encourage and facilitate among the life-workers of the Society the study of educational problems in India and other countries. 3. To carry on educational propaganda by means of lectures, publications and other means. The present number of life-members is eighteen.

The affairs of the Society are managed by the Senate which consists of all the life-members of the Society, retired members and representatives of the Staff. The Trustees of the Society are :—N. M. Joshi, Shet Bhagwandas Vasanji, B. S. Sanzgiri and Principal T. A. Kulkarni. The Office-Bearers of the Society : (1) **Chairman**—Principal T. A. Kulkarni; (2) **Secretary**—G. V. Gadgil; (3) **Jt. Treasurers**—H. S. Jogekar and S. L. Taskar; (1) Bombay Centre—Shet Dharansey Govindji Thackersey High School, Principal—H. S. Jogekar, Headmaster—G. V. Gadgil; (2) Parel Centre—Parel, Bombay 12, Ramchandra M. Bhatt High School, Principal—M. V. Dunde, Headmaster—S. L. Taskar, Parel Night School; (3) Bori Centre—Post Bori, District Thana, Railway Station Gholvad, W. Rly. (a) Soonabai Pestonji Hakimji High School, Principal—A. V. Save, (b) Hostels—monthly charge: Rs. 60, Superintendent—Chitre, (c) Allarakhia R. Sonawalla Industrial School, (d) Rao Bahadur A. S. Desai Topiwalla Agricultural Class, (e) S. P. H. Primary School (4) Nasik Centre—Shet Hanraj Pragji Thackersey College, Nasik, Principal—B. L. Patankar, Hostel Accommodation for 100 Boarders, Rector—Prof. N. M. Acharya. (5) Sir D. M. Petit High School, Sangamner, Dist. Nagar.

GOLWALLA'S FORT TUITION CLASSES

Bombay Mutual Building, Hornby Road, Bombay.

Founded in 1910, this private educational institution provides a full course of instruction up to the Matriculation namely S.S.C. Examination and First Year College Examinations. Besides, there are special classes for Business, English, Book-keeping, Commercial Correspondence, Shorthand, Typewriting, etc.

The institution is cosmopolitan in its scope and outlook, the pupils hailing not only from all parts of this country but from distant places like Burma, Iran, East Africa and America. Special hostel facilities are provided for the convenience of such pupils.

PRINCIPAL AND PROPRIETOR.—Eruch R. Golwalla.

KISHINCHAND CHELLARAM (EDUCATIONAL) TRUST

Gazdar House, Dhobi Talao, Bombay 2.

OBJECTS.—To spread and promote and/or provide for general Commercial, Industrial or Technical Education by providing for or granting scholarships, studentships, stipends, travelling fellowships or periodical or occasional monetary help or assistance to deserving students studying or undergoing training in any subject or undertaking and prosecuting research work on any scientific, chemical, electrical or atomic energy subject investigating or specialising in any branch of knowledge useful for or related to any business or industry of any kind in all or any of its branches. Maintains a Library and Reading Room.

TRUSTEES.—Hotchand Gopaldas Advani, Bar-at-Law; K. Lokumai; T. Murl; Purshotamdas H. Sabani; Vishandas Gianchand Motwani; Watumal Jhamandas; Gobindram Hassaram.

K. R. CAMA ORIENTAL INSTITUTE

136, Apollo Street, Fort, Bombay.

OBJECTS.—The Institute has been founded with the object of promoting and advancing oriental studies and offering facilities to the existing societies and institutions already engaged in such work, and if necessary by founding scholarships for the purpose of encouraging and advancing oriental studies. The Institute publishes a Journal periodically. Life-membership subscription, Rs. 100, annual membership, Rs. 10.

PRESIDENT.—Sir Rustom Masani, Kt., M.A.

TRUSTEES.—Dewan Bahadur K. M. Javeri, M.A., LL.B.; Sir R. P. Masani, Kt., M.A.; Rustam J. J. Modi, Bar-at-Law; J. H. Cama, B.A., K. H. Cama; N. H. Tata and T. D. Desai, B.A., LL.B.

HON. TREASURER.—R. F. Gorwalla, M.A.

Jt. Hon. Secretaries.—Rustom J. J. Modi, Bar-at-Law; Dr. Jamshed M. Unvala, M.A., Ph.D.

LIBRARIAN.—K. P. Dastoor, M.A.

PEOPLE'S EDUCATION SOCIETY, BOMBAY.

Anand Bhavan (Albert Building), Near Flora Fountain, Fort, Bombay 1.

The Society was founded in 1945 by Dr. B. R. Ambedkar, M.A., Ph.D., D.Sc. (Lond.), LL.D. (Columbia), D.Lit. (Osmania) Bar-at-Law, M.P. Its object is to bring college education within the reach of the middle and poorer classes. It gives special facilities to the Scheduled Caste and Backward Class Students.

GOVERNING BODY OF THE SOCIETY.—*Chairman.*—Dr. B. R. Ambedkar; *Members.*—N. Shrivast, D. G. Jadhav, M. B. Samarth; J. H. Subbiah; S. K. Bole; H. K. Patel, V. G. Rao, C. N. Mohite, R. R. Bhole.

General Secretary.—M. V. Dondc. *Asst. General Secretary.*—K. V. Chitre.

The Society runs three colleges and one Night High School: (1) Siddharth College of Arts and Science, Bombay for Courses leading up to M.A. and M.Sc. (2) Siddharth College of Commerce and Economics, Bombay for Courses leading for the present up to Inter Commerce and (3) P. E. S. College of Arts, Science and Commerce at Aurangabad for Courses leading up to B.A., B.Com. and Inter Science and (4) Siddharth Night High School in Bombay.

The Society also maintains a Backward Class Hostel at Pandharpur and gives grants to Backward Class Hostels at Nasik, Mammad, Nandurbar, Chalisgaon, Sangamner, Dapoli, Dholka and Patan.

RAO BAHADUR S. V. RAJADHYAKSHA GOWD SARASWAT BRAHMAN FOREIGN EDUCATION SOCIETY

Chikitsaka Samuha Building, Kandewadi, Bombay 4.

AIMS AND OBJECTS.—The object of the Society is to advance pecuniary aid to deserving students of the Gowd Saraswat Brahman Community proceeding to foreign countries for higher studies.

FUNDS.—The Permanent Funds of the Society amounted to Rs. 2,00,001 in 1952.

LOAN-SCHOLARSHIPS GRANTED.—38 students have been granted loan-scholarships of the aggregate sum of Rs. 1,04,647 during the last 30 years.

MANAGING COMMITTEE.—The Hon. Mr. Justice G. S. Rajadhyaksha (*Chairman*); Dewan Bahadur Dr. J. S. Nerurker (*Vice-Chairman*); V. M. Telang (*Hon. Treasurer*); S. L. Kapadia and Y. H. Sukthankar (*Hon. Secretaries*).

SARASWAT VIDYARTHI SAHAYAK MANDALI

Office.—V. S. Kuwadekar Karyalaya, Chikitsaka Samuha Building, Kandewadi, Bombay 4.

OBJECTS.—To help poor and deserving students of the Gowd Saraswat Brahman Community prosecuting their studies in India as well as in foreign countries, in Primary, Secondary, Collegiate, Post-graduate, Professional, Technical, Industrial and Religious Education, etc.

WORK DONE.—The Institution has advanced in all nearly Rs. 4,09,965 for deserving students from all parts of India to get an education and has built up a Reserve and Endowment Fund of Rs. 5,23,039.

SIIRI MAHAVIRA JAINA VIDYALAYA

Gowalia Tank Road, Bombay 26.

On the advice and guidance of Acharya Shri Vijavallabhasuriji was started this Institution which amongst its multifold aims includes founding useful secular and religious institutions, giving special facilities to students for prosecuting their studies in different colleges and universities as well as encouraging studies of Sanskrit and Prakrit literature.

In furtherance of the above objects, a *Vidyarthigriha* was started at Bombay in 1915.

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

Apollo Pier Road, Bombay 1.

The Tata Institute of Fundamental Research was established jointly by the Government of Bombay and the Trustees of the Sir Dorabji Tata Trust in June 1945. It is now financed by grants from the Government of India, Government of Bombay and the Sir Dorabji Tata Trust. The object of this all-India Institute, is fundamental research in Physics and Mathematics.

The Atomic Energy Commission, Government of India, has decided that this Institute as the centre for all large-scale projects in nuclear research and has entrusted to it important research projects. The Institute is housed in a portion of the premises formerly occupied by the Royal Bombay Yacht Club on Apollo Pier Road. A valuable site of about 15 acres in Block VIII at Colaba has been given by the Government of India to the Institute for its permanent buildings, the construction of which is being taken in hand.

COUNCIL

J. R. D. Tata (*Chairman*), D. C. Pavate, M.A.; Dr. S. S. Bhattacharya, D.Sc., F.R.S.; Prof. R. Choksi, M.A.; Dr. H. J. Bhabha, D.Sc., F.R.S.

STAFF

Dr. H. J. Bhabha, D.Sc., F.R.S., *Director and Professor of Theoretical Physics*; Prof. D. D. Kosambi, *Professor of Mathematics*; Prof. K. Chandrasekharan, Ph.D., *Professor of Mathematics*; Dr. B. Peters, *Professor of Experimental Physics*; A. B. Sahlar, *Reader in Experimental Physics*; Dr. K. S. Shingwi, Ph.D., *Reader in Experimental Physics*; Dr. B. V. Thosai, Ph.D., *Reader in Experimental Physics*; A. S. Rao, *Reader in Experimental Physics*; Dr. D. V. Padke, *Reader in Experimental Physics*; Dr. R. Ramanna, *Reader in Experimental Physics*; Dr. S. S. Dharmatti, Ph.D., *Reader in Experimental Physics*; Registrar and Secretary to the Council.—S. G. Naware.

TATA INSTITUTE OF SOCIAL SCIENCES

105-109, Ghodbunder Road, Andheri, Bombay.

Board of Trustees.—Lady Ratan Tata; J. R. D. Tata; Sir H. P. Mody; A. D. Shroff; Dr. John Matthai, C.I.E. (*Chairman*); N. H. Tata; Prof. R. Choksi (*Managing Trustee*).

Governing Board.—N. H. Tata, Dr. John Matthai (*Chairman*); Ashafaque Husain (Government of India Representative); Mr. Justice N. H. Bhagwati; D. R. D. Tata; Prof. R. Choksi, A. R. Wadia (*Secretary*).

The Tata Institute of Social Sciences was founded in June, 1930—then known as the Sir Dorabji Tata Graduate School of Social Work—by the Trustees of the Sir Dorabji Tata Trust. Admission to the Institute is open only to men and women graduates of recognised universities. The Institute offers a two years' training in professional social work on the successful completion of which a Diploma in Social Service Administration is awarded. The subject areas of specialisation are Industrial Relations and Personnel Management, Family and Child Welfare, Social Work in Medical and Psychiatric Settings, Group Work and Community Organisation; and the courses of instruction include: Sociology, Social Pathology, General and Social Psychology, Psychiatry, Social Economics, Social Research, and Legislation, Social Case Work and Social Group Work. A special one year course in Correctional Administration was to be organised for State-deputed candidates.

In addition to the teaching programme, the Institute maintains a *Bureau of Research and Publications* which promotes research in social problems and publishes literature on social work and related subjects. Under its auspices *The Indian Journal of Social Work* is published every quarter and edited by the Faculty of the Institute.

The Institute also conducts a *Child Guidance Clinic* which, besides providing guidance to parents and treatment to children with personality difficulties, serves as a laboratory for the students of the Institute to gain practical experience in handling, diagnosing and treating problem children, and to practise case work techniques.

Director.—A. R. Wadia.

Registrar.—L. S. Kudchedkar, M A.

UNIVERSITIES INFORMATION BUREAU

University of Bombay, Fort, Bombay I.

The Universities Information Bureau has been formed by the University of Bombay for the purpose of giving to students of the University, advice and information regarding the conditions of admission, cost of living and education, courses of study, etc. in Indian and foreign Universities, other educational institutions and training centres or Industrial works.

The Bureau has a library attached to it, which contains latest calendars, handbooks and catalogues of various Indian and foreign universities, other educational institutions and training centres or Industrial works.

WORKERS' EDUCATIONAL SERVICE LEAGUE, BOMBAY

This Institution is conducting a full-fledged free Night High School at the Municipal Central Urdu School Building, New Naggada, under a trained and qualified staff. It also runs a Commercial Class under a qualified Instructor. Both of them are open to the working class of all the communities. It is managed by a Managing Committee elected every year and is dependent upon charity shows and donations from public and charitable Institutions.

YOUNG MEN'S EDUCATION SOCIETY

179, Bazar Gate Street, Bombay.

AIMS AND OBJECTS.—To conduct the Young Men's Free Night School and to impart free education irrespective of caste or creed.

Patron.—Prof V. G. Rao, Bar-at-Law, J.P. *President*.—F. Upoor; *Vice-President*.—D. P. Pathan. *General Secretary*.—B. M. Shetty; *Asst. Secretary*.—P. S. V. Rao, Jt. Hon. *Treasurers*.—B. R. Shetty and E. G. Bangera.

CULTURAL AND SCIENTIFIC INSTITUTIONS IN BOMBAY

AGRICULTURAL RESEARCH STATION

Karjat (District Kolaba)

The experimental station was opened at Karjat in 1919 with the specific object of bringing about botanical improvement in the major rice varieties of the North Konkan tract. The station is under the administrative and technical control of the Deputy Director of Agriculture (Crop Research), Bombay State, Poona 5.

Plant Breeder and Officer-in-Charge.—N. Gopalakrishna, M.Sc. (U.S.A.).

Biochemist and Officer-in-Charge, Agronomy Section. Dr. M. M. Khilbe, M.Sc., Ph.D. (Bombay).

ANTHROPOLOGICAL SOCIETY OF BOMBAY

136, Apollo Street, Bombay 1.

OBJECTS.—To promote the prosecution of Anthropological research in India, and thereby contribute towards the acquisition of a wider and truer knowledge of its inhabitants; to hold monthly meetings for reading and discussing papers and notes on Anthropological subjects; and to publish a journal.

President.—P. G. Shah, M.A., B.Sc., I.A.S.S. (Retd.), C.I.E.; *Vice-Presidents.*—Sir Rustom Masani, M.A.; Dr. (Mrs.) Trivati Karve, M.A., Ph.D.; *Hon. Secretary & Treasurer.*—Sapur F. Desai, B.Sc.; *Asst. Secretary.*—K. P. Dastoor, M.A.

ART SOCIETY OF INDIA

Sandhurst House, Sandhurst Road, Bombay.

The objects of the Society are—the promotion and encouragement of art by exhibition of art works produced by its members, the publication of an art journal, lectures, theoretical and practical, the establishment and maintenance of a permanent Art Gallery and an Art Library for members' use.

MANAGING BOARD:—*President.*—V. R. Amberkar; *Vice-President.*—K. H. Kabbur; *Chairman.*—V. P. Karmarkar; *Jt. Hon. Treasurers.*—H. N. Dallas, V. A. Mali; *Jt. Hon. Librarians.*—N. M. Kelkar, K. N. Pathare; *Jt. Hon. Secretaries.*—D. B. Jog, D. J. Chitale; *Members.*—C. V. Oak, P. M. Patel, M. R. Acharekar, S. V. Shah.

BALKAN-JI-BARI—AKHIL HIND BALAK SANGH

Address: Balkan-ji-Bari—Akhil Hind Balak Sangh, 'Gullistan', Khar, Bombay 21.

Balkan-ji-Bari, which means "Children's Garden", is the premier all-India Children's Organisation. The chief aim of the association is to make children as happy as possible and to let them develop by themselves. It has Branches throughout India where children meet regularly.

Balkan-ji-Bari has Children's Own Libraries and Libraries for Child Welfare Workers at several places, consisting of books in different languages. The Bari conducts Arts and Handicrafts Classes and has also a Poor Children's Fund. The Association runs Child Welfare Workers' training classes and camps and a number of monthly Journals in English and other languages as well as *Children's Corners* in various weekly newspapers.

General Secretary:—Dada Shewak Bhojraj.

BHAVSAR KSHATRIYA MAHILA MANDAL

Chamarbag Road, Parel, Bombay No. 12.

The Social Institute,—carrying out the progressive work in connection with literacy, first aid, embroidery and handicraft work.—Promoting the welfare of widows, students, etc., by social and spiritual agencies, and financial aid. Providing home industries such as preparing Indian condiments, pickles, etc.

BOMBAY ART SOCIETY

Jehangir Art Gallery, Bombay 1.

The objects of the Bombay Art Society are the promotion and encouragement of Art by exhibition of pictures and Applied Arts, the publication of an Art journal, meetings and lectures, and to assist in the establishment and maintenance of a permanent gallery for pictures and other works of Art.

PATRON.—Girja Shankar Bajpal, Governor of Bombay.

PRESIDENT.—Sir Cowasjee Jehangir, Bart.

VICE-PRESIDENTS.—M. A. Joshi; J. A. Lalkaka; V. P. Karmarkar; Dr. H. J. Bhabha; Sir Fazalbhoy Currimbhoy, Kt.

HON. SECRETARY.—V. V. Oak; *JT. HON. SECRETARY.*—K. M. Gandhi; *HON. TREASURER.*—V. D. Bhagat.

BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

Town Hall, Bombay 1.

This Society was instituted in 1804 under the name of "The Bombay Literary Society" for the investigation and encouragement of Oriental Arts, Sciences and Literature; but since its incorporation with the Royal Asiatic Society of Great Britain and Ireland, it has been denominated the Bombay Branch of that Society. Annual subscription Rs. 60.

PRESIDENT.—Mr. Justice M. C. Chagla, B.A. (Oxon.), Bar-at-Law, Chief Justice, Bombay.

VICE-PRESIDENTS. Mr. Justice P. B. Gajendragadkar; K. M. Jhaveri; Prof. P. A. Wadia; Prof. H. D. Velankar.

LIBRARIAN.—N. A. Gore.

SECRETARY.—G. C. Jhala.

BOMBAY HISTORICAL SOCIETY

The Society was founded in 1925 to stimulate research in Indian History, and Indology with special reference to Bombay and Western India.

The Society also arranges public lectures, exhibitions, etc.

The Society publishes a journal and an annual Bibliography of Indian History and Indology.

Address:—Prince of Wales Museum, Bombay 1.

PRESIDENT.—Mangaldas Pakvasa.

HON. SECRETARY.—P. F. Pavil.

HON. TREASURER.—R. G. Gyanil.

BOMBAY KANNADA SANGHA

Venkatesa Nivas, Bhau Daji Road, Matunga, Bombay 19.

An association of Kannadigas, drawn from all over Karnataka, irrespective of caste or creed and all lovers of Kannada language and literature, art and culture.

Aims and objects: To promote the cause of Kannada language, literature, art and culture in every way possible.

President.—Vidwan M. R. Gopalacharya, M.A.; *Vice-Presidents.*—R. V. Murthy, M.A.; J. N. Iyer; *Joint Hon. Secretaries.*—H. M. K. Murthy, B.A., LL.B.; V. N. Parande; *Hon. Treasurer.*—D. S. Sastry, B.E.; *Hon. Librarian.*—B. Ramachandra Naik; *Hon. Auditor.*—N. V. K. Rao, G.D.A.

BOMBAY MEDICAL COUNCIL

Swadeshi Mills Estate, Tata Road, New Queen's Road.

President:—Dr. Rustumji Nassurwanji Cooper, M.B.B.S., M.S. (Lond.), F.R.C.S. (Eng.).

Members:—Dr. Gopal Krishnaya Mulki, M.B.B.S., M.R.C.S. (Eng.), L.R.C.P. (Lond.), F.R.C.S. (Eng.); Dr. Motilal Desai, M.B.B.S., L.R.C.P. (Lond.), F.R.C.S. (Eng.); Dr. Chamanlal Maneklal Mehta, M.B.B.S., F.R.B.P.S. (Glas.), F.C.P.S.; Dr. Vaman Dinkar Sathaye, B.Sc., L.C.P.S.; Dr. Udyavar Bhadya Narayanrao, L.C.P.S.; The Surgeon General with the Government of Bombay; Dr. M. D. D. Gilder, L.M.S., F.R.C.S. (Eng.), M.D. (Lond.); Dr. Krishna Bhimrao Antolikar, M.B.B.S.; Dr. J. A. Collaco, L.M. & S., J.P.; Dr. Shivappa Malappa Kuradikeri, L.C.P.S.; Dr. Chhotalal Jivabhai Patel, L.C.P.S., M.L.A.

Registrar:—Balkrishna Moreshwar Sidhaye, B.A., LL.B.

BOMBAY MEDICAL UNION

Blavatsky Lodge, French Bridge, Chowpatty, Bombay.

OBJECTS:—Maintenance of interest and status of the medical profession.

President.—Lt.-Col. R. A. Davar.

Vice-Presidents.—Dr. G. Coelho; Dr. B. A. Shete.

Hon. Librarians.—Dr. N. J. Dodhi; Dr. K. N. Baria.

Hon. Treasurer.—Dr. A. Vaidya.

Jt. Hon. Secretaries.—Dr. H. G. Patel; Dr. Dara R. Hakim.

BOMBAY NATURAL HISTORY SOCIETY

114, Apollo Street, Bombay 1.

Its aim is to promote the study of natural history particularly of the Oriental region in all its branches.

It publishes the well-known journal (now in its 51st volume) which carries authoritative scientific and popular articles on sport and natural history. Also popular illustrated natural history books.

The Society's library contains over 3,000 volumes.

Membership open to all interested in natural history.

BOMBAY SOCIAL HYGIENE COUNCIL

10, Waterloo Mansions, Apollo Bunder, Bombay 1.

AIMS AND OBJECTS.—(a) To work towards securing adequate facilities for the prevention, diagnosis and treatment of venereal diseases for the whole population of the State; (b) to work towards securing adequate facilities for under-graduate and post-graduate medical instruction in the diagnosis and treatment of venereal diseases; (c) to work towards securing adequate facilities for the graduate and post-graduate training of teachers in the foundation of social hygiene; (d) to undertake the enlightenment of all sections of the public in the problems of social hygiene; (e) to promote facilities for the prevention, diagnosis and treatment of venereal diseases for the men of the mercantile marine and other migrant workers.

Patron :—The Governor of Bombay.

President :—Shantilal H. Shah.

Vice-Presidents :—Surgeon-General with the Govt. of Bombay (*ex-officio Chairman*) : Director of Public Health; Director of Education; Municipal Commissioner of Greater Bombay; Mrs. Khadija S. Tyabji.

Jt. Hon. Secretaries :—Dr. Socrates Noronha, M.B.E., J.P., B.N.Y., D.T.M. & H. (Eng.), D.T.M. (Lond.), L.M. & S., F.C.P.S.; Dr. V. V. Puri, M.B.E.S., D.P.H., D.T.M.

Hon. Treasurer :—Dr. M. Venkatrao, J.P.

CATHOLIC STUDENTS' UNION, BOMBAY

St. Xavier's College, Bombay 1.

Aims and Objects :—To form a bond of union between the present and the past Catholic University students; to voice the thoughts, feelings and aspirations of Catholic University men and women on all matters of public interest and to co-operate with other similar bodies, whether Catholic or not, in matters of common interest; to provide opportunities for social intercourse among members and to promote good fellowship and solidarity among them, and through them in the Catholic community; to organise and to promote cultural activities so as to enlarge and deepen knowledge, both secular and religious; to train and prepare members for public life and activities, including Catholic Action; to give helpful co-operation to all Catholic institutions, educational, social or charitable, which work for the uplift of the community and in the defence of the Catholic cause; to support causes and movements tending to improve social and civic environment and to promote peace and harmony among all communities.

Patron :—His Eminence Valerian Cardinal Gracias, Archbishop of Bombay.

Managing Committee.—**President** :—Dr. Menino deSouza, M.D.; **Vice-Presidents** :—Miss Rita Fernandes; Cedric Santos, B.A.; Stanley Lobo.

Hon. General Secretary :—Achilles B. Fernandes B.Sc.; **Literary Secretary** :—Joe K. Cheriyan; **Entertainment Secretary** :—Miss Jeanette Pinto; **Publicity Secretary** :—Illyd Santos; **Ecclesiastical Adviser** :—Rev. Fr. M. M. Balaguer, S.J.

CERCLE LITTERAIRE BIBLIOTHEQUE DINSHAW PETIT—1886

60, Forbes Street, Bombay 1.

Object :—To promote the study of the French language, literature and civilisation. The Cercle has a reading room and library furnished with the leading French periodicals and over 6,000 volumes. Lectures in French are often given and weekly "Causeries" held every Tuesday.

Patrons :—Sir Dinshaw Maneckjee Petit, 3rd Bart.; **President** :—Rev. Fr. J. Duhr, S.J.; **Hon. Treasurer** :—D. P. Katrak; **Hon. Secretary** :—P. J. Bahadurji.

COLABA OBSERVATORY, BOMBAY

(GOVERNMENT OF INDIA)

Colaba Observatory continuously records meteorological elements, atmospheric potential gradient, storm or monsoon microseisms and earthquakes. The Magnetic branch of the Institution is located at Alibag and maintains continuous records of Geomagnetic elements and their absolute values.

Colaba Observatory also broadcasts time signals correct to tenth of a second daily at 08-45 hours and 20-45 hours I.S.T. It rates and maintains chronometers for the Indian Navy.

Visitors allowed after obtaining prior permission.

Director :—S. L. Malurkar.

Assistant Meteorologist :—V. Sharma.

DAVID SASSOON LIBRARY AND READING ROOM

152, Mahatma Gandhi Road, Bombay 1.

Founded in 1847, this Library and Reading Room was originally known as The Bombay Mechanics' Institution. In 1873 it was reconstituted as the Sassoon Mechanics' Institute which name was changed in March 1933 into David Sassoon Library and Reading Room. The magnificent building was erected during the years 1867-70, at a cost of Rs. 1,25,000, the funds being provided by Mr. David Sassoon, the great merchant prince of those days and the venerable head of the Sassoon family. He presented Rs. 60,000 and Government gave a like amount and also leased for a term of 999 years, the excellent site measuring 1,486 sq. yards. The public also contributed.

Life membership is Rs. 300 and Ordinary membership Rs. 8 per quarter.

President :—Rao Bahadur R. B. Patel, C.I.E., M.A., LL.B. (Cantab.), Bar-at-Law.

Vice-President :—Oscar H. Brown, C.I.E., O.B.E., J.P., Bar-at-Law.

Hon. Secretary :—M. A. Upadhyaya, M.A., LL.B. **Hon. Treasurer** :—P. G. Bhal, M.A., LL.B.

CENTRAL RAILWAY INSTITUTE

Byculla, Bombay.

The Institute is open to all. Subscription for railway employees Rs. 2. Subscription for non-railway employees Rs. 3. Books are subscribed for (and changed-monthly) from the Central Railway library. There is also attached to the Institute a billiard room and recreation ground, with swings, giant's stride, tennis court, &c.

FEDERATION OF UNIVERSITY WOMEN IN INDIA

The Federation of University Women in India unites various Associations of University Women throughout the country, its object being to promote friendship and understanding among university women of all races resident in India and to further their common interests.

Hon. General Secretary :—Mrs. Perin Netarwalla, Windsor House, Churchgate Reclamation, Bombay 1.

Member-in-Charge of International Relations :—Mrs. Ahmadullah, 12, Gupta Mahal, Churchgate Reclamation, Bombay.

GUJARAT RESEARCH SOCIETY

46-48, Esplanade Mansion, Mahatma Gandhi Road, Bombay 1.

The objects of the Society are :—To promote, organise and co-ordinate research in all branches of knowledge with reference to Gujarat, Saurashtra and Kutch; to collect and publish accurate information on all subjects relating to Gujarat, Kutch and Saurashtra, to collect books, manuscripts, antiquities and similar objects, and arrange for facilities for research by establishing libraries, museums, laboratories, art galleries, etc.; to publish the results of research, through journals, periodicals, books, lectures, photographs, films, etc.; to co-operate with other institutions interested in research, and induce them to give increased importance to the solution of problems of Gujarat through research.

The Society has been publishing a quarterly journal since 1939 of its own. This journal is devoted to the publication of articles on all branches of knowledge relating to Gujarat, Saurashtra and Kutch.

PRESIDENT :—P. G. Shah; **VICE-PRESIDENTS** :—Sir H. V. Divatia; Sir M. B. Nanavati; K. M. Munshi; Dr. B. B. Yodh; Prof. C. N. Vaidi; B. G. Saraiya; **HON. TREASURER** :—Dr. A. S. Kalapesi; **HON. GENERAL SECRETARY** :—Dr. D. T. Lakdawala; **HON. JT. SECRETARY** :—Dr. M. B. Desai.

HAFFKINE INSTITUTE

Parsi, Bombay 12

Haffkine Institute is the principal State Medical Research Institute of western India. It is exceptionally well-equipped for research work and is an active research laboratory. In addition, it carries out a great deal of routine work for the Health Department. The routine work includes the large-scale manufacture of plague, cholera, T.A.B. and anti-rabic vaccines; the manufacture of anti-toxins and toxoids, including tetanus, diphtheria, and gas-gangrene anti-toxins, tetanus and diphtheria toxoids, lyophilized polyvalent anti-snake-venom serum and anti-dysentery and anti-plague sera; clinical pathology for diagnostic purposes, a prominent feature of which is that work in connection with such infectious diseases as enteric, dysentery, cerebrospinal fever, diphtheria, typhus and malaria is carried out free, even for private practitioners; routine analyses of food and water required by the Public Health Department of the Government of Bombay; large-scale manufacture of simple and multiple vitamin tablets and Sulphathiazole tablets; solutions intended for parenteral injection and the provision of a blood bank. The Institute has been appointed as the Government Analyst by various States for the testing of drugs under the provisions of the Drugs Act of 1940 and the rule thereunder. Lately the Institute has been recognised as a Post-Graduate Institution.

Director.—Dr P. M. Wagle, M.D., D.P.H., D.T.M., D.Bact

INDIAN CONFERENCE OF SOCIAL WORK

Central Office.—16, Govt. Hutments, 6 A, Cooperage, Bombay 1.

The Indian Conference of Social Work is a central national organization for the promotion of social welfare in India. The Conference was established at a meeting of social workers from all over India, held in Bombay in 1947 under the Presidentship of Shri Jamshed Nasserwanji.

It has State Branches in Assam, Bihar, Delhi, Hyderabad, Madras, Madhya Bharat, Mysore, Orissa, Uttar Pradesh and West Bengal, together with several District Branches. It is affiliated to the International Conference of Social Work.

Membership fees are as follows: (i) Patron Rs. 1,000, (ii) Life Member Rs. 200, (iii) Institutional Member Rs. 10 per affiliating institute, and (iv) Ordinary Member Rs. 5 annually.

Office-Bearers.—*President.*—Dr. Jivraj N. Mehta, *Vice-Presidents.*—Shri Justice B. K. Guha, Dr. U. Krishna Rau and Mrs. K. Vellodi; *Honorary Treasurers.*—Dr. J. M. Kumarappa, Smt. Zalina E. G. Currimbhoy and F. R. Surti, *Honorary General Secretary.*—Smt. Gulestan R. B. Billimoria, *Executive Secretary.*—B. Chatterjee; *Honorary Associate Secretaries.*—S. Nageshwaran, S. R. Venkataraman, P. L. Chirayath, *Asstt. Secretary.*—I. E. Soares.

A South-East Asia Regional Office of the International Conference has been established in conjunction with the Central Office of the Indian Conference of Social Work in Bombay.

Officers of the International Conference in India.—*Vice-President.*—Dr. J. M. Kumarappa, Bombay; *Asstt. Treasurer-General.*—Smt. Gulestan R. B. Billimoria, Bombay; *Asstt. Secretary-General.*—B. Chatterjee, Bombay; *Asstt. Secretary.*—Kumari Bam Q. Singh.

INDIAN INSTITUTE OF ARCHITECTS

Prospect Chambers Annexe, Hornby Road, Bombay 1.

The objects are to encourage the study of Architecture, to elevate the standard of architectural practice and, by mutual support, to promote the interests of architects throughout India. Besides many other professional activities, the Institute issues a quarterly journal, grants a studentship, conducts Architectural competitions and co-operates with the R.I.B.A. through the R.I.B.A. examination board, in conducting the final R.I.B.A. examinations in Bombay.

OFFICE-BEARERS AND MEMBERS OF THE COUNCIL.

President.—J. B. Fernandes, A.R.I.B.A. (F); *Vice-President.*—M. K. Jadhav, F.R.I.B.A. (F); *Hon. Secretaries.*—D. R. Chowdhari, A.R.I.B.A. (F); P. J. Khambata, A.R.I.B.A. (F); *Hon. Treasurer.*—B. D. Mhatre, G.D. Arch. (F).

INDIAN INSTITUTE FOR EDUCATIONAL AND CULTURAL CO-OPERATION

22-D, Parsi Bazar Street, Bombay 1.

The Institute functions as the Bombay Association for the United Nations.

Its objects include:—

1. Promoting intellectual fellowship and collaboration among men and women of learning and among educational and literary institutions and organizations.

2. Demonstrating through publications the oneness and the co-operative process underlying the development of human culture.

3. Promoting studies in international relationship and keeping alive the spirit of humanism and internationalism.

4. Collaborating with and co-ordinating libraries and museums and facilitating exchange of publications, loan of books, manuscripts and specimens, educational films, and other means of instruction.

INSTITUTION OF ENGINEERS (INDIA)

BOMBAY CENTRE.

This is the local centre of the Institution of Engineers (India) established in 1920 and incorporated by Royal Charter in 1935. Its object is to promote and advance, within the centre's boundaries, the objects set forth in the Royal Charter.

Committee.—S. M. Kini (*Chairman*); H. S. Batliwala; K. T. Divecha; P. E. Golvala; R. N. Joshi; K. F. Antia; N. D. Daftary; S. B. Dalal; Framroze D. Mehta; N. V. Modak; N. N. Purandare; G. R. Vartak and K. B. Carnac (*Hon. Secretary*).

Library, Reading Room and Office.—Ilaco House, Sir Pherozeshah Mehta Road, Bombay 1.

JAMSETJEE NESSERWANJEE PETIT INSTITUTE

312, Hornby Road, Bombay 1.

Library and Reading Room. Established 1856. Membership about 6,500. Extensive Reading Room and Reference Library. Over 450 periodicals subscribed. Book Stock about 72,000.

PRESIDENT.—Sir Dinshaw M. Petit, Bart.; *VICE-PRESIDENT.*—Nasserwanjee H. Sethna, Solicitor; *HON. SECRETARY.*—Jehangir S. Chiniwala, B.A., LL.B., Advocate (O.S.); *HON. TREASURER.*—Nanabhojee Jeejeebhoy, M.A.; *LIBRARIAN.*—M. K. Mowdayala, B.A., LL.B., A.L.A.

Life membership Rs. 500. First, second and third classes Rs. 12, Rs. 4 and Rs. 2 per quarter.

KARNATAKA READING ROOM AND LIBRARY

46, Vir Nariman Street, Bombay 1.

The library was established in 1943 with a view to educating the Kannada speaking people of Bombay in every branch of knowledge. It is with this object the conductors of the library made it an All-Kannada Library which from time to time is enriched by new books. Besides the library, there is a well-equipped reading room where Kannada and a few English newspapers and magazines are laid. The library is open to the Kannadigas without distinction of caste or creed subject to rules and regulations framed by the conductors.

Library and reading room is open on week days from 8 to 9 in the morning and from 6 to 7 in the evening. On Sundays and holidays it is open from 9 to 11 A.M.

MAHARASHTRA MITRA MANDAL LIBRARY AND FREE READING ROOM

Lalbaug, Bombay 12.

This library aims at promoting a taste for reading amongst the working class people of Greater Bombay and has a fairly large membership. All work is done by an honorary staff. A handsome amount is spent annually on books and periodicals.

Total number of books 3,963 (Marathi, English and Hindi). Daily visitors of free reading room: 150. Annual expenditure: Rs. 1,850.

MAHILA KALA NIKETAN

Gamdevi, Bombay 7.

This Institution was founded in June 1946 by the Pathare Kabatriya Vakratrutwotejak Samaj to impart industrial education including tailoring, art, fancy works, embroidery and drawing and is open to all women irrespective of any caste or creed.

It has been recognised by Government Educational and Industrial Departments and prepares students for Government Examinations.

Chairman.—Kishnarao Ramchandra Desai.

Hon. Secretary.—Smt. Lila Manick Pathare.

Hon. Treasurer.—Madhav Anandao Mhatre.

MOGAVEERA FREE READING ROOM AND LIBRARY

Maneck Mansion, 8, Nanabhai Lane, Bombay 1.

The Institution was established to remove the lack of a free reading room and library for the Kanarese speaking residents in the Fort area. It is an entirely free reading room and library. There are available Kanarese and English newspapers and magazines. The library consists of many selected Kannada and English books and new books are added every year.

MOGAVEERA YUVAKA SANGHA

16, Vir Nariman Street, Bombay 1

OBJECTS.—To organise and unite the youths and to foster a spirit of brotherhood and solidarity; combat and uproot child marriage, dowry system, drink evils, etc.; spread free education; improve fishing industry; form co-operative societies; encourage cottage industries; organise lectures, conferences, libraries, publish periodicals, books and magazines for the advancement of the society; work in general for the socio-economic and cultural advancement.

MOOLJIBHOY JIVRAJ KHOJA GENERAL READING ROOM AND LIBRARY

9, Donta Cross Lane, Khadak, Bombay 9.

President.—Mahomed Umer Fakirmahomed Kokil, M.L.A.; *Vice-President.*—Husein Abdulkarim Mahomed; *Chairman.*—Jaffer Hasham Bhagat; *Vice-Chairman.*—Gulamhusein Mahomed Saghi; *Hon. Treasurer.*—Abdulrasul Gulamhusein Nathani; *Hon. Secretary.*—Karmali Almahomed Merchant.

NUMISMATIC SOCIETY OF INDIA

Prince of Wales Museum, Bombay 1.

The object of the Numismatic Society of India is to promote the study of the monetary issues and medals of India by the publication of documents and papers relating to Indian coins and medals, the encouragement of the collection and preservation of old coins and the advancement of historical research. The Society is intended to be the co-ordinating body which will promote the knowledge and regulate the study of Indian Numismatics. The Society publishes a journal of its own. *Chairman.*—Dr. A. S. Altekar, M.A., LL.B., LLitt., Patna University, Patna. *Secretary.*—R. G. Giani, M.A., Curator, Prince of Wales Museum, Bombay.

PARSEE GIRLS' SCHOOL ASSOCIATION

42, New Marine Lines, Bombay 1.

This Association conducts two schools. The Fort School is located in the premises endowed by the late Sorabjee Shapoorjee Bengallee, C.I.E., and the Chandraji School in the premises endowed by the late Nowroji J. Gamadia. The former is known as Bal Bhikhatjee Shapoorjee Bengallee Girls' High School and the latter as Bal Maneckji Nowroji Gamadia Girls' High School, whose Principals are Miss D. J. Dastur, B.A. (Hons.), S.T.C. and Miss R. B. Ichhaporia, B.A. (Hons.), S.T.C., respectively.

PRESIDENT.—Dr. Dadlha Naoroji Saher.

HONORARY TREASURER & JOINT HONORARY SECRETARY.—Framjee Jehangeer Karaka.

JOINT HONORARY SECRETARY.—Nowroji J. Gamadia.

PARSEE LEKHAK MANDAL

(Parsi Writers' Association.)

C/o Jehanbax Bomanshaw Vatcha, Tafti Building, South Frere Bridge, Grant Road, Bombay 7.

The object of the Association is to promote the interests of Parsee writers, to foster unity amongst public writers and to discuss questions of public interest to the Parsi community and also questions of Gujarati literature.

President.—Pestanjil P. Kapadia; *Vice-President.*—Dossabhoj M. Gorwalla; *Honorary Secretary and Treasurer.*—Jehanbax B. Vatcha.

PATHARE KSHATRIYA VAKTRUTWOTTEJAK SAMAJ

Gamdevi, Bombay 7.

OBJECTS.—To promote unity amongst the members of the Pathare Kshatriya caste, to improve their physical and intellectual status, to open libraries, to encourage Arts and Crafts, to promote the welfare of the caste, etc.

PRESIDENT.—Krishnarao R. Desai.

VICE-PRESIDENT.—Pyarelal Shamrao Paralkar, B.Sc., LL.B.

HON. GENERAL SECRETARY.—Ganpat Vinayak Chemburkar.

HON. TREASURER.—Madhav Anandao Mhatre.

PEOPLE'S FREE READING ROOM AND LIBRARY

Ravelin Street, Hornby Road, Bombay 1

This charitable institution was founded by the late Damodhar Gordhandas Sookhadvala, a benevolent citizen of Bombay, in 1891. It is open, free of charge, to the public without distinction of caste or creed subject to the rules in that behalf. Besides a reading room, where local, Indian and English newspapers and magazines are laid on the table, there is a well selected library which, from time to time is enriched by new books in every branch of knowledge. The reading room is kept open from 7 a.m. to 7 p.m.

Besides the main library at Fort, the Institution has two branch libraries one at Dhole Talao and another at Dadar.

Secretary and Chief Librarian.—J. S. Jariwalla, B.A., LL.B.

PRINCE OF WALES MUSEUM OF WESTERN INDIA

Bombay 1.

Established under Act III of 1909 to commemorate the visit of the Prince of Wales (The late King George V) to India in 1905.

Hours of Admission.—The Museum is open daily to the public from 10 A.M. to 5-30 P.M. or 6-30 P.M. except Mondays. Admission is free on all open days except Tuesdays and Thursdays, when a fee of 2 annas per person is charged.

SHREE JAFRABAD KELAVANI UTTEJAK MANDAL

357, Kalbadevi Road, Bombay 2.

Aims and Objects.—To maintain, help and expand the existing educational institutions of Jafraabad in Kathiawar, to help poor students in Jafraabad, and outside to prosecute their studies. *Mandal's Institutions at Jafraabad (Kathiawar):* Manordas Gangadas Purshotam Parakh and Delvadawalla Mehta Meghji Kanji Malji High School (From Std. IV to VII), Parbhudas Punjabhai Premji Dandia Middle School (From Std. I to III), Vidhyarthigraha; Free Circulating Library for Ladies, Seth Gopaldas Nathoo-bhai Ranji Vora Vyayamshala, Tribhovandas Mavjibhai Free Reading Room and Library.

SIR DINSHAW MANOCKJEE PETIT GYMNASTIC INSTITUTE

159, Dadabhoj Naoroji Road, Bombay 1.

OBJECT.—To promote the health and vigour of the youths of the city by imparting physical education.

OFFICE-BEARERS.—Sir Dinshaw M. Petit, Bart., *President*; K. J. Dubash, M. H. Engineer, *Hon. Secretaries*; R. M. Cama, *Hon. Treasurer*; H. R. Wadia, *Hon. Supdt.*

TRUSTEES.—Sir Dinshaw Petit, Bart.; V. A. Taraporewala; K. J. Dubash; Dr. A. S. Kalapesi and D. B. Petit.

SORAB F. BHAROOCHA ARCHITECTURAL LIBRARY

(Under the auspices of the Indian Institute of Architects)

Prospect Chambers Annexe, 32-31, Dadabhoj Naoroji Road, Bombay 1.

OBJECTS.—The diffusion of useful knowledge in Architecture by making accessible to members works of Architecture and Allied Arts and reviews, magazines, journals, etc.

ANNUAL SUBSCRIPTION.—Practising architects and engineers Rs. 12; Architectural assistants Rs. 8; Architectural students Rs. 3 and persons interested in Architecture Rs. 6.

Members of the Indian Institute of Architects are allowed free use of the Library.

PATRON.—Mrs. Cooml Sohrab Bharoocha.

LIBRARY COMMITTEE FOR SESSION.—J. B. Fernandes, A.R.I.B.A. (F) (*Ex-Officio Chairman*); H. N. Dallas, F.R.I.B.A. (F); S. S. Palshikar, A.R.I.B.A. (A); L. F. Shroff, I.R.I.B.A. (F); V. R. Kothare, A.R.I.B.A. (A), (*Hon. Secretary*); M. N. R. Murthi (*Librarian*).

ST. XAVIER'S COLLEGE TECHNICAL INSTITUTE

Cruickshank Road, Bombay 1.

The Institute, founded in 1937, offers the following courses: (1) General Radio Physics and Electrical Technology; (2) Radio Servicing Day and Evening Shifts; (3) Wireless Telegraphy Day and Evening Shifts; (4) Diploma in Radio Engineering; (5) Sound Engineering; (6) Cine Projectionist; (7) Grad. Brit. I.R.E.; (8) Engineering Drawing.

The Director of Technical Education, Bombay State holds final and intermediate examinations for the first six courses and awards Diplomas and Certificates to successful candidates. The Ministry of Communications holds the C.O.C. examinations in Wireless Telegraphy in this Institute twice every year.

Rev. M. M. Balaguer, S.J. (*Principal*); Rev. R. Conesa, S.J. (*Director*); Rev. J. Coll, S.J. (*Asst. Director*); Rev. A. Conti, S.J. (*Treasurer*).

STUDENTS' LITERARY AND SCIENTIFIC SOCIETY

Nowroji Sheth Street, Thakurdwar, Bombay 2.

The object of the Society is the dissemination of knowledge among the people of this country by the establishment of schools, especially girls' schools.

Among the founders were Dadabhoi Nowroji, Narayan Dinanath Velkar, Ardeshr Framji Moos, Mahadeo Govind Shastri, Rao Bahadur Damodar Palande and Rao Saheb Narayan Vahwanath Mandlik.

The Society is conducting 1. A Girls' High School, 2. Dr. Bhau Daji Middle School and 3. Jagannath Sunkersett Vernacular School for girls.

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

(See under Educational Institutions)

TECHNOLOGICAL LABORATORY

(Indian Central Cotton Committee).

Adenwalla Road, King's Circle, Matunga, Bombay 19.

Director.—Dr. C. Nanjundayya, M.Sc., Ph.D. (Manchester), F.T.I.*Senior Research Assistants*.—N. Harirao, M.Sc.; Dr. Amarnath Gulati, M.Sc., Ph.D.; Dr. R. L. N. Iyengar, D.Sc.*Spinning Master*.—V. V. Gupta, B.Sc., Tech. (Manchester), B.Sc.*Statistician*.—V. Venkataraman, M.A.*Junior Research Assistants*.—K. S. Bhujang, M.Sc.; Dr. S. Rajaraman, D.Sc., F.Inst.P.*Head Tester*.—H. B. Joshi, B.Sc.*Head Clerk and Accountant*.—M. T. Majmudar.**THE P. E. N. ALL-INDIA CENTRE**

Indian Branch of the International P. E. N. Club of leading poets, playwrights, editors, essayists, novelists.

OBJECTS.—To promote friendliness among writers everywhere, to uphold freedom of speech and to foster national cultural unity by spreading appreciation of the Indian literatures outside their own linguistic areas, by means of public lectures, *The Indian P. E. N.* and a series of P.E.N. books on the Indian Literatures and Writers' Conferences.

The P.E.N. All-India Centre has headquarters at "Aryasangha", 22, Narayan Dabholkar Road, Malabar Hill, Bombay 6.

PRESIDENT.—Dr. S. Radhakrishnan.*VICE-PRESIDENTS*.—Syed Sulaiman Nadvi; Jawaharlal Nehru; Vallathol Narayana Menon.*HON. SECRETARY-TREASURER*.—P. G. Shah.*FOUNDER AND ORGANISER IN INDIA AND EDITOR, The Indian P.E.N.*—Sophia Wadia.**THE THEATRE GROUP**89, Bhulabhai Memorial Institute,
Bhulabhai Desai Road, Bombay.

The Group is open to all those interested in the theatre who are willing to work for it. Annual subscription Rs. 12 (Entrance fee Rs. 5).

Objects.—To present the classics of the Western drama in English to Indian audiences, with all the resources of modern stage technique; To provide training in acting, production methods, stage movement, speech, lighting, decor and choreography; To stimulate interest in literature and the visual arts; To set a standard in Indian language productions. It has a Hindi unit, which also undertakes to translate European plays and to produce them.

It has its own Workshop at which sets are built and costumes prepared.

The Group publishes a monthly journal, the "Theatre Group Bulletin" (Annual subscription Rs. 3).

President.—Nizzim Ezekiel.*Vice-President*.—Pheroza Cooper.*Director of Drama Courses*.—Ebrahim Alkazi.**THEOSOPHY COMPANY (INDIA) LIMITED**

51, Mahatma Gandhi Road, Fort, Bombay.

The objects for which the Company is established are to promote, inculcate and propagate the doctrines of Theosophy; and to do all things conducive to the advancement of Theosophy, e.g., to hold meetings and classes; to print, publish, edit and circulate books and magazines; and to accept any funds for the purposes of the Company and to hold and apply the same according to the character thereof for the purposes of the Company.

Hon. Secretary.—N. A. Subramaniam.**UNITED LODGE OF THEOSOPHISTS**

51, Mahatma Gandhi Road, Bombay 1.

The policy of this Lodge is independent devotion to the cause of Theosophy, without professing attachment to any Theosophical organisation.

It holds that the unassailable BASIS FOR UNION among Theosophists, wherever and however situated is SIMILARITY OF AIM, PURPOSE AND TEACHING, and therefore has neither constitution nor bye-laws nor officers, the sole bond between its associates being that basis. It aims at disseminating this idea among Theosophists in the furtherance of unity, and is devoted to the following three objects:—

1. To form the nucleus of Universal Brotherhood of Humanity, without distinction of race, creed, sex, caste or colour.
2. The study of ancient and modern religions, philosophies and sciences, and the demonstration of the importance of such study.
3. The investigation of the unexplained laws of nature and the psychical powers latent in man.

VANI VIHAR SANSKRIT MAHAVIDYALAYAChoksey Bhavan, Bhimani Street, Opp. Nappoo Gardens,
Matunga, Bombay 19.

This research institute of oriental learning offers free tuition in all branches of Sanskrit literature and Indian philosophy, viz. poetry, drama, poetics and grammar; six systems of philosophy with special emphasis on logic and Vedanta Dvaita, Advaita, Visishtadvaita, Dvaitadvaita and Suddhadvaita.

Discourses on Upanishads, Ramayana, Mahabharata, Bhagavata and Bhagavatagita, held under the auspices of the Vidyalyaya, in English, Kannada and Marathi are attended by highly cultured people. Sanskrit classes for B.A., M.A. and Ph.D. students and Hindi classes for Visharada and Sahitya Ratna students are conducted. Congregational prayers and bhajans on Thursday and Saturday evenings between 6 and 8 p.m. In addition the Vidyalyaya is conducting a Medical Relief Centre in the charge of Vaidyarya M. G. Nandikar.

Founder Principal.—Nyayavedanta Vidwan M. R. Gopalacharya, M.A.*Hon. Secretaries*.—H. S. K. Rao; S. Pandurang Rao.

VICTORIA AND ALBERT MUSEUM

Victoria Gardens, Byculla, Bombay.

Founded in 1855, during his term of office by Lord Elphinstone, for the purpose of establishing an Economic Museum, illustrating the raw products of Western India, and the methods of converting them into manufactured articles and to gather a collection of Natural History specimens. First located in the mess room of the old town barracks, removed on the outbreak of 1857 to the Town Hall and finally in the year 1872 to the present building after its completion at a total cost of Rs. 3,59,888.

The collection in the Museum is mainly divided into divisions of Art, Agriculture, Ethnology, Industry, Numismatics, Painting, etc.

A collection of prints connected with the topographical history of Bombay comprising engraved views taken from the drawings and sketches made in the 17th and 18th centuries and photographs taken in the last century are on view.

The Museum is open to the public as follows:—On Sunday from 8.30 A.M. to 5.30 P.M. On Monday the Museum is entirely closed to the Public. On other days of the week the Museum is open from 10.30 A.M. to 5.30 P.M. (Standard Time). On Wednesdays it is open to Ladies and Children. Admission fee of $\frac{1}{4}$ anna for every visitor above 12 years of age is charged on Sundays, Fridays and Public Holidays (Wednesdays excepted).

The Victoria and Albert Museum Library has a good number of books on Archaeology, Art, Ethnology, Geology, History, Numismatics, Museology, Paintings, Religion and Philosophy and some books on miscellaneous subjects. There is a fairly large collection of books dealing partly or in whole with Bombay. The Reference Section of the library is fairly representative.

Curator.—Dr. S. C. Upadhyaya, M.A., LL.B., D.L., Ph.D.

Museum Asst.—L. B. Sammant.

Museum Artist.—M. K. Chaudhari.

Assistant Museum Artist.—V. T. Savant, G.D. Art.

WRITERS' EMPORIUM LIMITED

People's Building, Pherozshah Mehta Road, Bombay 1.

Founded in 1947 for promoting the cause of amateur writers and artists and bringing out such publications as are necessary for the general uplift of the masses and also inspiring cultural, social and spiritual outlook among the general public.

Managing Director.—S. B. Mossapher.

Field Director.—K. I. Dean.

Secretary.—Kumari D. P. Munshi.

YOGA INSTITUTE

Headquarters, Santa Cruz, Bombay 25.

The Yoga Institute was founded in 1918 by Shri Yogendra. Its pioneer activities and researches have been partly responsible for practical Yoga renaissance and also for international acknowledgments in favour of the Science of Yoga. It conducts academic and scientific researches, a central Yoga library, an academy, the Yoga health clinic and sanitarium, besides publishing Yoga books and the journal *Yoga*.

Secretary.—Smt. Sitadevi.

OTHER RESEARCH SOCIETIES:

FORBES GUJARATI SABHA

365, Vithalbhai Patel Road, Bombay 4.

GUAN PRASARAK MANDAL

136, Apollo Street, Bombay 1.

GUJARAT SAHITYA SABHA

Three Gates, Ahmedabad.

GUJARAT VIDYAPITH

Ahmedabad 9.

PARSI LEKHAK MANDAL

136, Apollo Street, Bombay 1.

MISSIONARY AND RELIGIOUS SOCIETIES IN BOMBAY

AHMADIYYA MOVEMENT

Local Branch:—17, Club Back Road, Bombay 8.

Founder.—Hazrat Mirza Ghulam Ahmad of Qadian, the Promised Messiah & Mehdi (1835-1908).

Head of the Movement.—Hazrat Mirza Bashiruddin Mahmud Ahmad, Khalifatul Messiahs—II.

Headquarters.—Qadian, Dist. Gurdaspur, Punjab, India.

Activities:—Revival and Propagation of Islam.

Missions:—Throughout India and Pakistan, and in the following foreign countries:—England, Germany, France, Spain, U.S.A., Sumatra, Java, Siam, Straits Settlement, Ceylon, Palestine, Egypt, Africa, Mauritius, Persia, Gold Coast, Indonesia, Sierra Leone, etc., etc.

Newspapers & Periodicals of the Community.—(1) "The Alfazal" Daily in Urdu issued from Lahore, Pakistan. (2) "The Sunrise" English Weekly issued from Lahore, Pakistan. (3) "The Review of Religions" English Monthly issued from Lahore, Pakistan. (4) "The Al-Islam" English Quarterly issued from U.S.A., etc.

Important Books:—(1) Of the Founder in Urdu.—(a) Baraheen-e-Ahmadiya in 5 volumes; (b) Haqiqatul Wahi; (c) Alna Kamalat-e-Islam; (d) Khutba Ilhami—the revealed sermon; (e) Izala-e-Auham and 75 other books in Urdu, Arabic and Persian. (2) Of the present Head of the Community.—(a) Tafsir-e-Kabir (in many volumes); (b) Ahmadiyyat or True Islam and many other books.

AMERICAN MARATHI MISSION

Byculla, Bombay.

(Under the American Board of Commissioners for Foreign Missions, Boston, Mass., U.S.A.)

The American Marathi Mission is the oldest American Mission in India. Its constituency is the Congregational Christian Churches of the United States.

Evangelistic, educational, medical, social, industrial and agricultural work is carried on in 7 stations and 106 out-stations. In July 1953, there were twenty-three foreign missionaries.

OFFICERS:—*Chairman*.—Rev. P. N. Gaidkar, Wai Satara Dist., Secretary.—Rev. R. W. Fairbank, Hartland, Sholapur. *Treasurer*.—G. Ross Thomas, Inter-Mission Business Office, 364, Dadabhoi Naorji Road, Bombay.

ANJUMAN-I-FAIZ-I-PANJETANI

69, Samuel Street, Bombay 9.

The aims and objects of Anjuman-i-Faiz-i-Panjetani are to render service to pilgrims to the Hedjaz, Iraq, Iran, etc., in getting passports and tickets for them, in helping them in boarding and landing from the ships and railway trains, looking after their luggage, etc., and making such other arrangements through branches and agencies as would ensure convenience and comfort to pilgrims throughout their journey to places of pilgrimages.

PRESIDENT.—Haji Hasanally P. Ebrahim.

HON. JOINT SECRETARIES.—Dr. R. C. Nathani and Haji Rajabally P. Ebrahim.

HON. TREASURER.—Esmail Abdulkarim Panjoo.

HON. AUDITOR.—Yusufally Cassam Chinwala.

MANAGER.—Sherally Virjee Candia.

BIBLE SOCIETY OF INDIA AND CEYLON

Clare Road, Byculla, Bombay 8.

The aim and object of this Society is to publish and propagate the Holy Bible without note or comment in all languages. The Bible has been translated into more than one thousand languages and is sold below cost to enable poor people to possess a copy, and this is made possible by contribution from Christians all over the world.

President.—The Rev. Principal James Kellock, M.A., D.D.

Secretary & Treasurer.—Rev. W. Park Rankin.

BOMBAY SPIRITUAL CENTRE

Wassoodew Bhuvan,

2, Laburnum Road, Gamdevi, Bombay 7.

Founded in 1941 June and based on the ideals of Universal love, and unity and equality of religions. The Centre is open to spiritual aspirants and seekers of all creeds, faiths and communities. There is no membership as such, and there is no subscription to pay.

Discourses by eminent saints or savants on purely spiritual subjects, group prayers, meditation, nama-sankirtan and bhajan are regular features.

BOMBAY ZOROASTRIAN JASHAN COMMITTEE

Navsari Building, Dadabhoi Naorji Road, Bombay 1.

Objects of the Committee are:—To promote devotion amongst Parsi Zoroastrians for their religion, respect for ancient Iranian culture and to spread amongst them notions of a Holy life in accordance with the fundamental teachings of their scriptures, favour of a harmless vegetarian diet.

The Committee also takes keen interest in diffusing Zoroastrian religious instruction to the young.

PRESIDENT.—Lt.-Col. Rustom M. Khareghat, I.M.S. (Retd.).

HON. SECRETARY.—Khan Saheb Burjorji Dadabhoi Mehta.

HON. TREASURER.—Sohrab Hirjibhoi Badilvala.

BUDDHA SOCIETY

Nair Building, Lamington Road, Bombay.

The Buddha Society was started in 1921 with the object of promoting the study and comprehension of the life and teachings of Lord Buddha and forming a meeting ground of all who love and revere him.

MEANS OF ATTAINING THE OBJECTS:—(1) Fortnightly classes, (2) Study classes, (3) Public lectures, (4) Issuing pamphlets and leaflets for free distribution, (5) Supplying books on Buddhism at cost prices to members, (6) Editing Pali texts into the Devanagari characters and translating Pali books into Marathi, Gujarati and English, (7) Starting a library of books on Buddhism and allied religions and a reading room, (8) Conducting a journal of the Buddha Society and (9) Celebrating every year the Thrice Sacred Day of Lord Buddha on the full moon day of Vesakh.

Lectures are delivered in the Ananda Vihara, near Bombay Central Station, Nair Hospital Compound, Lamington Road.

The Society publishes a quarterly journal entitled the "Buddha Prabha."

CHRISTIAN SCIENCE SOCIETY

31, Murzban Road, Bombay 1.

The Society holds Sunday morning services at 10-30 and Wednesday evening Testimony Meetings at 6-30. Its services and the Reading Room are open to all.

The mission of Christian Science is to spread scientific Christian healing as demonstrated by Christ Jesus in the destruction of sin, disease and death. Its Science is based on the Bible as interpreted in SCIENCE AND HEALTH WITH KEY TO THE SCRIPTURES by Mary Baker Eddy.

CHURCH MISSIONARY SOCIETY

Mission House, Proctor Road, Girgaum, Bombay.

MEMBERS OF THE BOMBAY CORRESPONDING COMMITTEE.

The Right Rev. The Bishop of Bombay (*Chairman*), Miss M. C. Wilson, B.Sc.; Rev. Canon C. A. Bolton; C. A. Christie, B.A.; D. E. Wasker; Rev. A. B. Bhalekar; Rev. H. G. Salisbury.

Secretary Rev. H. G. Salisbury.

The Office of the Parent Society is in Salisbury Square, Fleet Street, London, E.C.4.

I.—Bombay, 1820.

Emmanuel Church.—Proctor Road.

Marathi Mission.—Rev. V. M. Gadre.

Gujarati Mission.—Rev. P. B. Parmar, M.A., B.T.

Robert Mosey School.—O. A. Christie, B.A., B.T.

II.—Poona, 1882.

St. Helena's and St. John's Schools.—Miss M. C. Wilson, B.Sc., Rev. A. B. Bhalekar, Rev. G. Devabhusanam and Rev. V. A. Kulkarni.

III.—Bhil Mission.

Rev. P. H. Johnson and Mrs. M. Johnson, F.R.C.S.; Miss M. L. Kirk; Miss G. M. Smith.

Lady Missionaries.—Miss W. B. Holdom; Miss E. Jorgensen.

Indian Pastors.—Rev. G. Bhanat, Rev. V. S. Pandav.

C.M.S. Representative, Bombay Diocese.—Rev. H. G. Salisbury.

IRISH PRESBYTERIAN MISSION, 1949**HEAD OFFICE.**—Church House, Belfast, Northern Ireland.**CHAIRMAN.**—Dr. J. Stevenson, Surendranagar.**SECRETARY.**—J. C. Watson, Borsad, Dist. Kaira.**TREASURER.**—Rev. H. P. Cronie, Surat.**STATIONS.**—Rajkot, Bhavnagar, Wadhwan, Ahmedabad, Parantij, Anand, Borsad, Cambay, Broach, Surat, Dohad, Jhalod, Morwa, Santrampur and Lunawada.**JUMA MASJID**

Janjkar Street, near Crawford Market.

The Juma Masjid, one of the premier mosques in western India, was constructed in the 17th Century on a tank, and is situated at Janjkar Street, near Crawford Market. The Mosque in question is of Shafai Sect, rich in monument of great architectural merit.

The Juma Masjid and its Allied Charities are managed by a Board of Trustees called "The Directors" under a scheme.

The Allied Charities are as follows:—

- (1) Mahomedan Cemetery at Queen's Road.
- (2) Madresa-e-Muhammadiyah in Juma Masjid and its branch in Masjid Street.
- (3) Masaleh-e-Umoor-e-Muslimin, a fund for helping poor Muslims.
- (4) Free Public Library.

Superintendent.—Shaiikh Muhammad Khatkhaty, J.P., B.A., LL.B., Solicitor, Hon. Presidency Magistrate.

MISSIONARY SETTLEMENT FOR UNIVERSITY WOMEN

Reynold's Road, Byculla, Bombay.

The M.S.U.W. is engaged in missionary and educational work in Bombay City. It maintains a hostel for about 60 women students attending the various colleges in Bombay.

STAFF.—Miss E. Watts, *Warden*; Miss D. Hunt, B.A. (Lond.).

NORTH-WESTERN INDIA UNION MISSION OF SEVENTH-DAY ADVENTISTS**HEADQUARTERS ADDRESS:** 16, Club Road, Byculla, Bombay.**PRESIDENT.**—Pastor A. F. Jensen**SECRETARY AND TREASURER.**—Robert L. Juriansz.

North India Mission Headquarters, Cantonment Road, Jullundur:
DIRECTOR.—Faigh Chand

Upper Ganges Mission Headquarters, 23, Curzon Road, New Delhi:
DIRECTOR.—T. R. Torkelson

West Central Mission Headquarters, Nehru Chowk, Aurangabad:
DIRECTOR.—S. L. Khandagale

South Marathi Mission Headquarters, Shahupuri, Kolhapur:
DIRECTOR.—M. D. Moses

SCHOOLS AND HOSPITALS IN NORTH-WESTERN INDIA

Spicer Missionary College, Aundh Road, Kirkee: **PRINCIPAL.**—I. D. Higgins.

Salisbury Park Elementary School, Salisbury Park, Poona:
PRINCIPAL.—A. M. Job.

North Marathi Elementary School, Lasalgaon, Nasik District:
PRINCIPAL.—D. H. Skav.

Surat Mission Hospital of Seventh-day Adventists, Nanpura, Surat.

Simla Sanitarium and Hospital, Carlton House, Simla.

South Marathi Elementary School, Hatkanagale, Kolhapur Post:
PRINCIPAL.—S. S. Pandit.

Roorkee Training School, The Retreat, Roorkee, U.P.:
PRINCIPAL.—C. H. Tidwell.

Hapur Mission School, Hapur, U.P.: **PRINCIPAL.**—G. J. Christo.

PARSI VEGETARIAN AND TEMPERANCE SOCIETY

Noble Chambers No. B, Parsi Bazar Street, Bombay 1.

OBJECTS.—To promulgate among the Parsis knowledge concerning Vegetarianism, Temperance and the Law of Righteousness in general

as taught by Zarathustrianism, by means of public meetings, free literature and a free reading room and library and periodical missions to places in India inhabited by Parsis.

To perform the sacred Jashan ceremony every month.

To perform the rituals of past members under the Anushah Ravan Members ritual scheme.

PRARTHANA SAMAJ

Girgaum, Bombay.

The Bombay Prarthana Samaj is a religious body whose faith is founded on the essential belief in One God who is without form and all-pervading, and in the Brotherhood of man. The principles of its Faith are in essence the same as those of the Brahmo Samaj which was founded in Calcutta by Ram Mohan Roy. The Prarthana Samaj was founded in 1867, and on March 31, 1951 it completed 84 years of its existence. Among its founders were Dr. Atmaram Pandurang, W. B. Nairange, Dr. R. G. Bhandarkar and others, and among those who gave the Prarthana Samaj and its Faith a definite form could be mentioned Justice M. G. Ranade, and Sir Narayan Chandavarkar.

The Prarthana Samaj holds weekly Divine Services on Sundays and organises missionary activities for the spread of its Faith in the State of Bombay. It also conducts educational and charitable activities through the following institutions which are managed by the Samaj: 1. W. B. Nairange Orphanage, Pandharpur, 2. D. N. Sirur Home for Boys, Vile Parle, 3. Ram Mohan English School, Girgaum, 4. Ram Mohan English School No. 2, Dadar, 5. Chandavarkar Primary School, 6. Sunday School, 7. Dr. Bhandarkar Free Reading Room, Library and Book Room, 8. The *Subodha Patrika*, an Anglo-Marathi Weekly.

MANAGING COMMITTEE.—Sir V. N. Chandavarkar, *President*; P. B. Madgavkar, *Vice-President* and others

RAMAKRISHNA MISSION ASHRAM

Khar, Bombay 21.

The Ramakrishna Mission, founded in the year 1897 by Swami Vivekananda, is a Neo-Hindu religious movement, with the object of promoting inter-communal amity, inter-racial concord and international fellowship. Ramakrishna, the master of the great Swami, was the embodiment of harmony of religions. In this age of clash and conflict of cultures, the Mission has been emphasising the unity of religions. Service of humanity is the service of God.—is the motto of the Mission. The Mission has more than one hundred and fifty Centres all over India, Burma, Ceylon and Federated Malay States, Europe, North and South America. The Bombay Branch of the Mission, started in 1923, at Khar, has been conducting religious lectures and classes both in the city of Bombay and its suburbs. It runs an out-door charitable dispensary, a students' home to supplement university education, free reading room and library on non-sectarian principles, looked after by a Committee

President—Swami Sambuddhananda *Hon. Secretary*—S. R. Vakil

SOCIETY OF THE ALL SAINTS SISTERS OF THE POOR

Mazagaon.

The Society is a Community dedicated to a life of prayer and service and living under the vows of poverty, chastity and obedience. Occupied with Mission work and the care of orphan children. The Mother House, St. Albans, Herts, England.

PRINCIPAL INSTITUTIONS IN INDIA.—All Saints Convent, Mazagaon, Bombay (type of work—Orphanage, Indian Hostel, European Hostel, Needlework and Weaving-rooms, Church Embroidery, Altar Breads, Parish visiting among Anglo-Indians and Indians) In-charge, The Mother Provincial.

SOCIETY OF ST. JOHN THE EVANGELIST

The Society of St. John the Evangelist (Cowley Fathers) is a community of priests dedicated to a life of prayers and service and living under the vows of poverty, chastity and obedience. It occupies itself with missionary and educational work. The Mother House of the Society is at Cowley St. John, Oxford. The centre of its work in Bombay is at St. John's Mission House, 42, Mazagaon Road.

PRINCIPAL INSTITUTIONS.—St. Peter's Church, Mazagaon (English); Holy Cross Church, Umarchadi (Marathi); St. Peter's Hostel and St. Peter's School for Europeans and Anglo-Indians and St. Paul's Hostel for Indians.

SPIRITUAL ASSEMBLY OF THE BAHAI'S OF THE CITY OF BOMBAY.

P. O. Box No. 470, Bombay 1.

Administering the religious affairs of the Baha'is Community of Bombay.

Objects.—To establish universal peace and the oneness of mankind in co-operation with fellow Baha'is in 128 other countries through the spiritual principles of the world religion proclaimed by Baha-u-llah in 1863.

SPIRITUALIST DEVELOPMENT AND HEALING CIRCLE

Kalam Kutir, 211/219, Frere Road, Bombay.

The Circle was founded in 1947 by Dr. Fram D. Nasikvala with the help of many distinguished persons. Its objects are to help those who desire to develop psychic power and to give relief to those who are ailing.

The President Dr. Nasikvala conducts the Healing Centre on every Tuesday and Friday between 2 and 5 p.m. and Development on every Friday at 6-30 p.m., after which Seance is held.

There are many distinguished citizens who are on the Advisory Board and would invite prominent foreign mediums to infuse interest into the Science of Life after Death. The Centre also would like to investigate and do research in supernatural phenomena.

ST. JOSEPH'S CONVENT

Bandra, Bombay 20.

This Institution, conducted by the Daughters of the Cross of Liege, Belgium, comprises:—

1. An Anglo-Indian High School (Boarding and Day). The building is one of the finest and most up-to-date in the State. Pupils are prepared for the Cambridge Local, Trinity College of Music, and Bombay School of Arts Examinations and S. S. C.

2. An English-Teaching High School (Boarding and Day). Pupils are prepared for Bombay S. S. C. Examination.
3. An Orphanage Primary School.

THEOSOPHICAL SOCIETY

Blavatsky Lodge, French Bridge, Chowpatty, Bombay.

Theosophical Society founded in 1875 and having its headquarters at Adyar, Madras is a body of seekers after Truth, striving to serve humanity on spiritual lines. Its three declared objects are:—To form a nucleus of the Universal Brotherhood of Humanity, without distinction of race, creed, sex, caste or colour; To encourage study of comparative religion, philosophy and science; To investigate the unexplained laws of nature and powers latent in man.

It is the first Lodge in India, founded in 1879, having a good library and a book-depot.

ZENANA BIBLE AND MEDICAL MISSION

Proctor Road, Bombay.

This is a missionary society organising medical, educational and evangelical work in this country. It includes among its agencies Vernacular, European and English Teaching Schools, also hospitals.

ZOROASTRIAN RADIH SOCIETY

Noble Chambers, No. B, Parsi Bazar Street, Bombay 1.

OBJECT.—To undertake all kinds of Radih works for the benefit and welfare of the Parsi Zarthoshti Community, viz. to undertake the performance of Zoroastrian religious rituals and ceremonies, organize and settle Zoroastrian Tarikat Colonies in suburbs, promote and encourage agricultural and horticultural works and farms, foster home industries, establish educational institutions and free libraries, promulgate the Fasil movement and knowledge about the Right Line of Zoroastrian Calendar commencing the year from Jamshedi Navroz which falls on the Christian date, the 21st of March, to own and conduct Printing Press.

CHURCHES IN BOMBAY

CHURCH OF ENGLAND DIOCESE OF BOMBAY

Bishop of Bombay (St. John's House, Duxbury Lane, Colaba).—The Rt. Revd. William Quinlan Lash, M.A.

Archdeacon of Bombay (Christ Church Parsonage, Byculla, Bombay).—The Ven. Alan Sydney Harvey Johnson.

Registrar of the Diocese of Bombay (C/o Little & Co., Central Bank Building, Esplanade Road).—Chas Grundy.

ALL SAINTS' CHURCH

Malabar Hill, Bombay 6.

This charming little sanctuary stands in an open garden of half an acre, in an ideal spot surrounded by palm trees, tropical foliage, etc., the Church was consecrated by the Right Rev. Louis George Mylne, D.D., Bishop of Bombay, on January 16th, 1882.

SERVICES—Sundays, Holy Communion 8 a.m. Other Services as announced.

CHAPLAIN:—The Rev. Canon Arnold Bolton.

CHRIST CHURCH

Clare Road, Byculla, Bombay.

This Church, the second oldest in the Island, was originally erected as a proprietary Episcopal Chapel and opened for Divine Service on August 10th, 1833. It was consecrated on December 22nd, 1835, by Bishop Daniel Wilson, D.D., first Metropolitan of India and Ceylon, and became a parochial charge. Many improvements have been made from time to time, notably the raising of the Sacristy from dead floor level, with marble steps and paving.

SUNDAY SERVICES—7-0 a.m. Holy Communion (Plain), 8-30 a.m. Holy Communion (Choral), 5-15 p.m. Sunday School, 6-30 p.m. Evensong and Sermon.

WEEKDAY SERVICE—Holy Communion daily 7-30 a.m.

MATINS—Daily half an hour before Holy Communion.

CHURCH OF SAINT JOHN THE EVANGELIST

Colaba.

Afghan Memorial Church.

The Church serves the civilian population as well as the Services personnel of Bombay. Since the closure of the Indian Ecclesiastical Department and the cessation of Government Grants, the Church is maintained by voluntary contributions.

SERVICES: Sundays, Holy Communion, 7 a.m. and 8-15 a.m. Morning Prayer, 7-45 a.m. Evensong and Sermon, 6-30 p.m. Sunday School and Junior Bible Class, 5 p.m. Mondays to Saturdays, Holy Communion, 7-30 a.m. Adults' Bible Class, Wednesdays, 7 p.m.

CHAPLAIN: The Reverend F. D. P. Halliwell. (Telephone: 35217).

CHURCH OF ST. MARY THE VIRGIN

Parol, Bombay.

The land on which this Church stands, with the adjoining plot afterwards added for a Parsonage, were both given by Government, and the two Railway companies together filled up the swampy Church portion to road level. The Church was consecrated on December 4th, 1884, by the Right Rev. L. G. Mylne, D.D. The building consists of a nave, transept, chancel with apsidal termination, Chapel on the south and Vestry on the north sides, whilst a fine terraced and arched cloister-porch is a striking feature of the west front, and in this are several mural tablets to Lady Fergusson and others. Massive tower added 1906. A white marble Gothic Font was the gift of the children of the Parish. The silver Communion Service and Alms dish were presented by W. Hartridge of the then B.B. & C.I. Railway; Brass Candlesticks by Judge Pinney; Cross by Mrs. Atkinson; the Organ by Sir James Fergusson in memory of Lady Fergusson; an Episcopal Altar Chair by the Central Railway; Great Bell by the two Railway Companies; Altar desk by Rev. H. Gundry; Altar Chair by S. G. Sarjant; Lectern by Mr. and Mrs. L. J. P. Holland and G. H. Kitchen. Altarcross, candlesticks and credence table in the side chapel are the gifts of Mr. and Mrs. C. H. Bell in memory of their son George Hubert Bell, lost at sea, October 16th, 1940.

EMMANUEL CHURCH

C. M. S. House, Proctor Road, Girgaum, Bombay.

This Church, which is in connection with the Church Missionary Society, lies to the east side of the Western Railway, about 200 yards south of Grant Road and was opened for Divine Worship in 1868. Two transepts have since been added and a picturesque belfry of cutstone work surmounted by an Iron Cross relieves the exterior north front. In 1885 a fine terraced porch was added at the west entrance and an Organ Chamber was placed at the east of the north transept by C. E. G. Crawford, as a memorial to his wife.

CLERGY: *Marathi*.—Rev. Canon V. M. Gadre.
Sunday Services: English—7-30 a.m. Holy Communion.
Marathi Service—Sundays 10 a.m.

Gujarathi Service—1st Sunday of the month 3-30 p.m.

HOLY CROSS

Umarchadi, Bombay.

This handsome Church stands on a commanding site not far from the Sir Jamsetji Jeejeebhoy Hospital, and took the place of a Mission Room formerly in use. It was opened on December 1st, 1898, and was afterwards dedicated by the Right Rev. James MacArthur, D.D., on 13th July 1899.

The services are conducted in Marathi by an Indian Priest, the congregation numbering about 700 souls. Behind the Church are quarters for the Indian Christian families.

The Golden Jubilee of this Church was celebrated in Sept. 1949.

HOLY REDEEMER CHURCH

Dadar.

There are in the parish over 500 souls. It is a very scattered parish.

CLERGY: The Rev. B. G. Bhonsle.

ST. NICHOLAS' CHURCH

Nicol Road, Ballard Estate, Bombay.

CLERGY.—The Rev. Robert Barlow.

ST. PAUL'S HINDUSTANI CHURCH

Bellasis Road, Byculla, Bombay 8.

9-30 A.M. Sunday Divine Service

7-15 P.M. Thursday Open-Air Public Meeting.

6-00 P.M. Monday, Tuesday, Wednesday, Friday—Free Hindi Classes for all.

A truly National Church under purely Indigenous Leadership, carrying on through Hindustani, Spiritual, Social, Cultural and Charitable activities, for and by the help of General Public, under the guidance of the following Panchayat elected for the year:

Minister and Chairman: J. S. Williams, M.A., C.T., M.R.S.T. (England); *Honorary Secretary*: P. K. Ramball; *Hon. Treasurer*: I. M. Jacob; *Members*: S. V. Sable; Daniel Mahabir; Miss G. R. Lyall, B.P.S.A., Sister, Mrs. S. Hurry; Mrs. A. D. Williams, B.P.S.A., Qabil (Wardha), C.T. (Bombay) and Dr. (Miss) E. Nawalkishore, M.B.S., M.R.C.S. (England), L.R.C.P. (London).

ST. STEPHEN'S

Bandra Hill, Bombay.

The situation of this little House of God is very charming, overlooking the Arabian Sea with its peaceful "God's-acre". The exterior is plain and it is a twin edifice to St. Paul's Matheran, with a spacious porch, a small nave, three transepts, in the easternmost of which is placed the Altar, and a vestry abuts on the south side, whilst at the west end is a small turret. The Church was consecrated by the Right Rev. John Harding, D.D., on December 20th, 1853, and the Baptismal Register commences in 1856. The Parish of St. Stephen's, Bandra, is combined with that of St. Mary the Virgin, Parol.

ST. THOMAS' CATHEDRAL

Vir Nariman Street, Bombay 1.

The first scheme for building a Church on the Island of Bombay originated in 1675, the English Services then being conducted in a Hall in the Castle. Money was collected, but though the Church was

commenced, it never got higher than fifteen feet. In 1715 The Reverend Richard Cobbe appealed to have this stigma removed, and on Christmas Day, 1718, the church was opened with great rejoicings. In 1814 Bombay had been made an Archdeaconry of Calcutta and on 7th June 1816 the church was consecrated with all due solemnity by the Right Rev. Thomas Fanshawe Middleton, D.D. In 1837 Bombay was created a Bishopric, and in 1838, on the enthronement of Dr. Carr, the first Bishop, it was notified to be the Cathedral Church of the See, under the dedication of St. Thomas the Apostle. The present pinnacled tower was erected consisting of a lantern standing upon a square tower at its base, the whole rising 146 feet from ground level and containing a clock with three small quarter bells each suitably inscribed. There are two Silver Chalice of particular interest, one being the gift of Governor Gerald Aungler whilst the other's history is bound up in mystery and is inscribed "The gift of the Greenland merchants of the City of York 1632." In 1867-68 the present beautiful chancel and organ chamber were constructed, the first stone being laid by Sir Bartle Frere. It ceased to be a Government maintained Church on 31st March 1948, and is now maintained by voluntary contributions.

Rev. Canon C. A. Bolton, Chaplain.

TRUSTEES.—The Chaplains.—F. V. Jacob, G. D. Boret and Mrs. W. Burton; Treasurer—W. Jenkins; Organist and Choir Master.—Charles Vellu, B.Sc., A.R.C.M.

Services are held on Sundays at 7 a.m., 8-15 a.m. (sung) 6-30 p.m. The Holy Communion is celebrated on all Sundays at 7 a.m. and 8-15 a.m.

CHURCH OF SCOTLAND—BOMBAY STATE

THE SCOTS KIRK, BOMBAY.

11, Waudby Road, Bombay 1

The Scots Kirk, Bombay is an overseas Parish of the Church of Scotland. The present building dates from 1819. In 1938 it was enlarged and renovated after the union of St. Andrew's Church with St. Columba's Church on Waudby Road, and air-conditioned. It is now one of the finest Church buildings in the city. The furniture incorporates designs from the carved stones on the Holy Island of Iona. The massive Silver Communion Service was given by the East India Company in 1819, and is of thistle shape and design and there are many memorials to former ministers and members on the West Wall of the Church.

Services are at 9-30 a.m. and 6-30 p.m. Holy Communion is celebrated at Christmas, Easter, and on the first Sundays of February, May, August and November.

WESTERN INDIA MISSION OF THE PRESBYTERIAN CHURCH IN THE U. S. A.

Inter-Mission Business Office, Box 92, Bombay.

THE CHURCH OF SCOTLAND MISSION

The overseas mission work of the Church of Scotland is directed by a committee appointed by the General Assembly of the Church, called the Foreign Mission Committee. The offices of the F.M.C. are at 121, George Street, Edinburgh.

The work of the Scottish Missions in India dates from 1823 and takes the form of evangelism, medical, educational and welfare work. It is now being carried on, in association with the Independent United Church of Northern India and the Church of South India, at various places in Bengal, Santal, Eastern Himalayas, Punjab, Rajasthan, Western India, Hyderabad, Nagpur and Madras.

General Secretary, Men's Section.—The Rev. J. W. C. Dougall, M.A., D.D.; Women's Section.—Miss Isa Burns Brown.

NON-CONFORMIST CHURCH

AMBROLI CHURCH

Girgaum, Bombay.

The Ambroli Church, formerly supported by the United Free Church of Scotland Mission, was founded by the Rev. John Wilson, D.D. the renowned missionary. The first worship of the congregation, was held on 4th February, 1831, in the Ambroli House, the residence of Dr. Wilson, in which is now housed the Girgaum Post Office. The Church is now self-supporting and is under the United Church of Northern India.

It is a fairly large building with a beautiful belfry. It stands on Vithalbhai Patel Road halfway between C. P. Tank and Prarthana Samaj.

In the Church compound is the Manse, and a hostel for working class Christian young men.

Sunday Service (Marathi) 5 P.M.

MINISTER.—Rev. P. K. Usgare, Ambroli Manse, Bombay 4.

BAPTIST CHURCH

Opp. Colaba Post Office, Colaba.

The church has been on the present site since 1911 when it was moved from Byculla.

MINISTER.—Reverend James Cross; TREASURER.—W. J. Baker; SECRETARY.—F. M. W. Harrison.

Sunday School at 9 a.m. Church Services at 10 a.m. and 6 p.m.

METHODIST CHURCH

Bombay.

The Methodist Church has been established in the City since 1887 and has the following centre:

Wesley Church, The Causeway. This Church is in charge of the Rev. P. E. Thorne, M.C.E., Wesley House, 62, Causeway, Fort 1. Services on Sundays at 10-00 A.M. and 6-30 P.M.

METHODIST CHURCH IN SOUTHERN ASIA

Robinson Memorial, Byculla, Bombay

RESIDENT BISHOP.—Rt. Rev. John Abdul Subhan, B.A., B.D., D.D.

DISTRICT SUPERINTENDENT.—Rev. James B. Satyavrata.

FINANCIAL AGENT.—Rev. James B. Satyavrata.

CONFERENCE SECRETARY.—Rev. Stanley Downes, G.Th. (Taylor Memorial)

CONFERENCE TREASURER.—Rev. M. L. Bethel (Centenary Church).

BRANCH TREASURER.—Rev. W. W. Bell, B.D., M.B.A.

CHURCHES.

Boven Memorial Church—Landsdowne Road, Apollo Bunder, Fort, Bombay 1. English Church—Rev. Stanley Downes.

Taylor Memorial Church—Clare Road, Byculla, Bombay 8. English Church—Rev. Stanley Downes.

Robinson Memorial Church—11, Sankli Street, Byculla—Bombay 8. Kanarese Central Church—Rev. C. Salins, Marathi Central Church—Rev. D. D. Chandekar, G.Th.

Centenary Methodist Church—Charni Road Junction, Grant Road, Bombay 7. Gujarati Central Church—Rev. Joseph Bhagat Singh, G.Th., Malayalam Central Church—Rev. M. L. Bethel, Hindustani Central Church—Alexander Heins.

Rehabator Memorial Church—Elphinstone Road, Parel, Bombay 12. Marathi Church—Rev. V. D. Deolalikar, Telegu Church—Rev. K. Manikyaiah, Tamil Church—Rev. J. N. Harris, B.A., Gujarati Church—Rev. H. Muljibhai.

World Union Church—Behind Podar Hospital, Worli, Bombay 18. Worli Kanarese Church—Rev. J. B. Satyavrata.

Circuits:

Kanarese Suburban Circuit—Rev. Darius Muthappa, Robinson Memorial, Byculla, Bombay 8, Gujarati Circuit—Bandra.

Karla Methodist Church—New Mill Road, Karla, Bombay Suburb. Marathi Church—Rev. V. Deolalikar, Hindustani Church—Rev. D. D. Chandekar.

There is a social hall known as "Wicke Hall" in the Robinson Memorial Church compound. The Women's Division of Christian Service connected with the Methodist Church has its headquarters at 22, Club Back Road, Byculla, with a hostel for women students and headquarters for zenana and city school work. This institution is managed by Miss J. Blasdel and Miss S. Trikamlal. A centre in Robach Street, Agripada, has a library, a nursery for children and a sewing class for women, managed by Miss Ivy Childs.

The W.S.C.S. of the Kanarese Central Church run a Kindergarten School at 22, Club Back Road, Byculla, which is indigenous.

In-Charge, Religious Education Deptt.—Miss Jean Campbell.

Other Ministerial Workers—Rev. B. A. Francis, G.Th., M.A.; Rev. J. Navgiri, G.Th.; Rev. P. D. Padale, G.Th., B.D.

ORTHODOX SYRIAN CHURCH

Bombay.

The Orthodox Syrian Church of Malankara (comprising the United State of Travancore and Cochin and Malabar) the oldest and the only indigenous church in India, has a well established Parish in Bombay. Divine Services conducted on Sundays and other important Festivals.

VICAR.—The Reverend Father T. G. Koshy, M.A.

The Church has a registered Society known as O.S.C.B. Society at 171, Naigaum Road, Dadar.

HEAD OF THE CHURCH.—Mar Basellos Catholicos.

UNITED CHURCH OF NORTHERN INDIA (ABBOTT HOUSE, BYCULLA, BOMBAY 8).

The Hume Memorial Church: Rev. N. J. Patet (2, Duncan Rd., Byculla).

The Ambroll Church: (Pastorate vacant)

St. Paul's Church, Matunga Labour Camp: Rev. M. L. Sathe (World Church Residence, off Anne-Besant Rd., Worli).

ROMAN CATHOLIC CHURCH ARCHDIOCESE OF BOMBAY.

(Suffragan Dioceses: Ahmedabad, Calcutta, Mangalore, Madras, Poona, Trichinopoly, Tuticorin and Karachi).

The Archdiocese of Bombay comprises the Islands of Bombay, Trombay, Salsette and Bassein and the whole of the Konkan Coast-land beginning southwards at the river Savitri and extending northwards so as to comprise the whole of Gujarat with Kathiawar and Kutch, Sind and Baluchistan.

Archbishop: His Eminence Valerian Cardinal Gracias, D.D., M. Agg.
Vicars-General: The Rt. Rev. Mgr. V. Dyer, The Rt. Rev. Mgr. J. A. Lobo.

Secretary: The Rev. William Gomes.

Postal Address: Archbishop's House, Wodehouse Road, Bombay 1.

The figures given below apply to the southern portion which is the immediate concern of the Archbishop.

Catholic population: 225,723.

Clergy & Auxiliaries: Diocesan Clergy 181; Male Religious 196; Female Religious 345.

Seminarians: Bombay 87; Collegio Urbano de Propaganda Fide 3; Ranchi 1.

DIOCESAN INSPECTORS OF SCHOOLS.

Deanery of South Bombay: The Rev. Fr. A. Solagran, S.J.; *Deanery of North Bombay*: The Rev. Fr. S. Bonet, S.J.; *Deanery of South-West Salsette*: The Rev. Frank E. Lobo; *Deanery of North-West Salsette*: The Rev. Frank E. Lobo; *Deaneries of South-East Salsette & North-East Salsette*: The Rev. P. Pereira; *Deaneries of South Bassein, North Bassein, Dharwar Island*: The Rev. H. J. Remedios; *Deputy Inspector*: The Rev. Frank J. Lobo.

INSTITUTIONS.

Under Male Religious 10; Under Female Religious 24; Under Diocesan Clergy 20; Under Laymen 2; Deaneries or Districts 10; Churches and Chapels 120; Mission Centres 7.

DIOCESAN PUBLICATIONS.

"The Examiner" (Weekly); "Udentechem Neketr" (Konkani Weekly); "Rottit" (Konkani Monthly)

CATHOLIC CHAPEL

Ismail Manzil, Opp. Sewri Cemetery, Bombay 15.

VICAR.—The Rev. F. A. Xavier.

CHURCH OF OUR LADY OF DOLOURS

Sonapur, Bombay 2.

VICAR.—Rev. A. de Souza.

CHURCH OF OUR LADY OF DOLOURS

Wadala, Bombay 14.

VICAR.—The Rev. Fr. E. Rego, S.D.B.

CHURCH OF OUR LADY OF EGYPT

Kole Kalyan, P.O. Santa Cruz.

VICAR.—The Rev. John A. Gomes.

CHURCH OF OUR LADY OF GLORY

Byculla, Bombay 27.

VICAR.—The Very Rev. Mgr. O. de Sa.

CHURCH OF OUR LADY OF GOOD COUNSEL

VICAR.—The Rev. Fr. Egbert, O.F.M.

CHURCH OF OUR LADY OF HEALTH

Cavel, Bombay 2.

VICAR.—The Rev. F. C. Athaide.

CHURCH OF OUR LADY OF HEALTH

Sahar, P.O. Vile Parle (Bombay 24).

VICAR.—The Rev. C. A. D'Abreo.

CHURCH OF OUR LADY OF HEALTH

Versova, via Andheri.

VICAR.—The Rev. M. G. Gonsalves.

CHURCH OF OUR LADY OF THE MOUNT

Bandra Hill, Bombay 20.

VICAR.—The Rt. Rev. Mgr. V. Dyer, Rector.

CHURCH OF OUR LADY OF MOUNT CARMEL

Bandra, Bombay 20.

VICAR.—The Rev. J. S. D'Souza.

CHURCH OF OUR LADY OF THE ROSARY

Mazagon, Bombay 10.

VICAR.—The Rev. S. Pereira.

CHURCH OF OUR LADY OF SALVATION

Dadar, Bombay 11.

VICAR.—The Very Rev. Mgr. F. A. Vaz.

CHURCH OF OUR LADY OF THE SEA

Aldeia Mar, via Andheri.

VICAR.—The Rev. F. de S. Pimenta.

CHURCH OF OUR LADY OF VICTORIES

Mahim, Bombay 16.

VICAR.—The Rev. Ligouri D'Souza.

HOLY CROSS CHURCH

Kurla (Central Rly.).

VICAR.—The Very Rev. Peter Pereira.

HOLY CROSS CHURCH

Lower Parel, Bombay 13.

VICAR.—The Rev. Roque de Souza.

PRO-CATHEDRAL OF THE HOLY NAME

Wodehouse Road, Fort, Bombay 1.

VICAR.—The Very Rev. Angelo Fernandes, Rector.

SACRED HEART CHURCH

Santa Cruz, Bombay 23.

VICAR.—The Rt. Rev. Longinus Pereira.

SACRED HEART CHURCH

Worli, Bombay 18.

VICAR.—The Rev. M. M. Cabral.

ST. ANDREW'S CHURCH

Bandra, Bombay 20.

VICAR.—The Rev. H. J. Remedios.

ST. ANNE'S CHURCH

Nesbit Road, Mazagon, Bombay 10.

VICAR.—The Rev. F. Ribot, S.J.

ST. ANNE'S CHURCH

Palli Hill, Bandra, Bombay 20.

VICAR.—The Rev. Theophilus Lobo.

ST. ANTHONY'S CHAPEL

Chembur.

VICAR.—The Rev. J. Mangan, C.S.R.

ST. ANTHONY'S CHURCH

Mani, P.O. Trombay.

VICAR.—The Rev. Reginald Fernandes.

ST. ANTHONY'S CHURCH

Vakola, P.O. Santa Cruz.

VICAR.—The Rev. S. Fernandes.

ST. BLASE'S CHURCH

Amboli, Andheri.

VICAR.—The Very Rev. P. P. D'Mello.

ST. FRANCIS XAVIER'S CHAPEL

Middle Colaba, Bombay 5.

VICAR.—The Very Rev. Mgr. R. J. da G. Costa.

ST. FRANCIS XAVIER'S CHURCH

Dabul, Bombay 2.

VICAR.—The Very Rev. Mgr. B. A. Pinto.

ST. FRANCIS XAVIER'S CHURCH

Vile Parle, Bombay 24.

VICAR.—The Rev. Frank E. Lobo.

ST. IGNATIUS' CHAPELKazi Syed Street, Near Carnac Bridge, Mandvi,
Bombay 3.

VICAR.—The Rev. Fr. Diego, O.F.M. Cap.

ST. IGNATIUS' CHURCH

Jacob Circle, Bombay 11.

VICAR.—The Rev. H. B. Marques

ST. JOHN THE EVANGELIST'S CHURCH

4, Green Street, Fort, Bombay 1.

VICAR.—The Rev. Alexander Noronha.

ST. JOSEPH'S CHURCH

Colaba, Bombay 5.

VICAR.—The Rev. Ignatius D'Souza.

ST. JOSEPH'S CHURCH

Juhu, P.O. Santa Cruz.

VICAR.—The Rev. R. D'Cunha.

ST. JOSEPH'S CHURCH

Umerkhandi, Bombay 9.

VICAR.—The Very Rev. Mgr. J. M. de Souza.

ST. MICHAEL'S CHURCH

Mahim, Bombay 16.

VICAR.—The Rev. George Fernandes.

ST. PAUL'S CHURCH

Upper Parel, Bombay 12.

VICAR.—The Rev. Fr. H. Cirera, S.J.

ST. PETER'S CHURCH

Bandra, Bombay 20.

VICAR.—The Rev. Fr. D. Donnelly, S.J.

ST. SEBASTIAN'S CHURCH

Marouli, P.O. Chembur.

VICAR.—The Rev. A. Sardinha.

ST. STEPHEN'S CHURCH

1, Nepean Sea Road, Cumballa Hill, Bombay 26.

VICAR.—The Rev. W. Gomes.

ST. TERESA'S CHURCH

Girgaum, Bombay 4.

VICAR.—The Rev. Roque Pereira.

ST. TERESA'S CHURCH, KHAR-PALI

32, Turner Road, Bandra, Bombay 20.

VICAR.—The Rev. Fr. P. Braun, S.V.D.

ST. VINCENT DE PAUL'S CHURCH

Chuin, Bandra, Bombay 20.

VICAR.—The Rev. F. X. Lobo.

THE SALVATION ARMY**WESTERN INDIA TERRITORY.**Territorial Headquarters Morland Road, Byculla, Bombay 8.
Territorial Commander.—Commissioner Janet Allan.
Chief Secretary. Col. Joseph Danya**Evangelical Work Centres :***Maharashtra*.—Bombay, Poona, Satara, Ahmednagar, Puntumha, Shevgaon, Patherdi.*Gujarat*.—Anand, Borsad, Vasad, Nadiad, Dholka, Dohad.**Social Work Centres :***Bombay*.—King Edward Home (Men's Industrial Home); Women's Industrial Home (Rescue Work); Loom Department.*Gujarat*.—Muktipur Farm Colony.**Medical Work Centres :***Emery Hospital, Anand*.—Chief Medical Officer.—Col. (Dr.) A. B. Cook, B.A., M.B. (N.Z.), F.R.A.C.S., M.R.C.P. (Lond.), F.R.C.S. (Edin.), M.D.*Evangeline Booth Hospital, Ahmednagar*.—Chief Medical Officer.—Major (Dr.) D. Andersen, M.D., B.S. (Lond.), F.R.C.S. (Eng.), D.T.M. & H. (Liv.), Warrington Yorke Medalist in Tropical Hygiene (1947).*Hostel*.—Red Shield Hostel, Merewether Road, Colaba, Bombay.*Boarding Schools*.—Girls: Anand; Boys: Kalra; Girls and Boys: Ahmednagar.

BENEVOLENT INSTITUTIONS IN BOMBAY

EMPLOYMENT BUREAU

CATHOLIC WOMEN'S WELFARE SOCIETY

Convent Street, Bombay 1.

The Catholic Women's Welfare Society was founded by Archbishop Roberts in 1938, with the object of protecting working girls and of improving the conditions of living and work in the city for Catholic women (especially those of the poorest classes) so as to enable them to live good, useful and happy lives.

The Society undertakes family case work and runs the St. Martha's Hostel (Dr. Viegas Street, Cavel) for working girls, at the lowest possible rates.

President—His Eminence the Archbishop of Bombay.

INDIAN CHRISTIAN UNEMPLOYMENT RELIEF BUREAU

Shrinath Bhuvan, Picket Cross Road, Bombay 2.

This Bureau has been opened for the purpose of helping Indian Christians residing in Bombay to obtain employment. Relief is provided in the form of odd jobs and commissions according to ability. No charge is made to employer or employee.

Co-operation is solicited from employers in the form of information of vacancies for all types of jobs for men and women and from the public by way of donations.

NAGPADA NEIGHBOURHOOD HOUSE

New Nagpada Road, Byculla.

The purpose is to provide a Centre to assist in cultivating the higher interests of the Nagpada Neighbourhood, to initiate and to maintain educational and philanthropic enterprises, to investigate and to improve social and economic conditions, and at all times to work for the public welfare of Greater Bombay.

Activities.—Medical and dental clinics, children's welfare centre, nursery dramas, meetings, cinemas, games, classes, clubs, athletics, night schools, lectures, sales centre for mission industries, employment bureau.

Support.—The Neighbourhood House is wholly dependent upon the public for its support. Contributions are invited.

Director.—Loy Long, M.A., B.D.

Director of Women's Work.—Edna M. Long, B.A.

Manager, Crafts Sales Centre.—Gool Nagarwalla.

Medical Officer.—Dr. P. M. Mody.

PARSI PUNCHAYET FUNDS AND PROPERTIES

Fort, Bombay.

Trustees.—Sir Shapoorjee Billimoria, Dr. Dadiba Saher, Sir Cowasjee Jehangir, Bart., Nadirshah Mulla, Solicitor, Lady Hirabai Cowasjee Jehangir, Lt.-Col. R. M. Kharegat and Mr. Navroji J. Wadia.

Secretaries.—Sapur Desai; Gustasp Antia.

Trustees manage religious and charitable funds and institutions. Trustees are also custodians of charitable and religious funds of mofussil and foreign towns.

Total movable holdings in 1952.—Rs. 1,08,98,686.

Immovable Properties.—Rs. 1,02,01,025.

REGIONAL DIRECTORATE OF RESETTLEMENT AND EMPLOYMENT, GOVERNMENT OF INDIA, MINISTRY OF LABOUR

Mercantile Chambers, Graham Road, Ballard Estate, Fort.

ORGANISATION: The Directorate runs the following Exchanges in Bombay City:—

(1) Regional Employment Exchange, Hassan Chambers, Parsi Bazar Street, Fort (Tel. Nos. 23109 and 33223).

(2) Sub-Regional Employment Exchange (Parsi), Mercantile Chambers, Graham Road, Ballard Estate, Fort (Tel. Nos. 22429 and 30113).

It also runs an Industrial Training Institute for adult civilians at 374, Arthur Road (Tel. No. 40030).

AIMS AND OBJECTS: Employment Exchanges help resettlement and employment of all categories of employment-seekers. The Training Centre trains suitable candidates in 12 technical trades.

ENDOWMENTS FOR MAINTENANCE

BABAJI CASSINATH DAIVADNYA CHARITABLE FUND

Shanker Seth House, Thakurdwar.

AIMS AND OBJECTS: Help for education and economic relief.

BAI AVABAI AND ROMANJI FRAMJI WADIA CHARITY TRUST

C/o R. A. Wadia, Thakur Nivas, 173, Jamshedji Tata Road, Bombay 1.

AIMS AND OBJECTS: Monetary help to poor Parsis for maintenance, education, etc. Sectional—confined to Parsis only.

ACTIVITIES: Monetary help for maintenance, education, etc.

LATE BAI BACHOOBAI SAPURJI N. CHANDABHOY CHARITY TRUST

C/o Messrs. Chandabhoi & Jasoobhoi, Advani Chambers, 511 P. Mehta Road, Fort.

AIMS AND OBJECTS: Help for maintenance and education and medical relief.

BERAMJI CURSETJE SETHNA PARSI CHARITY TRUST

C/o A. E. Scervial, Marine Mansion, Marine Lines.

AIMS AND OBJECTS: Help for maintenance and education to poor.

BOMBAY FAMILY PENSION FUND OF GOVERNMENT SERVANTS

Western India House, Sir Phirozshah Mehta Road, Fort, Bombay.

The Fund has Widows Pension and Life Assurance Branches. The object is to provide pension for widows of subscribers and life policy for widowers. All Government servants in Civil employ and Local Fund employees in Bombay State, Non-European I.C.S. officers and permanent Central Government servants liable to serve all over India are eligible for admission. Particulars from Fund's Secretary and Treasurer, Western India House, Sir Phirozshah Mehta Road, Fort, Bombay.

BOMBAY PARSI PASTAKIA ANJUMAN FUND

The Anjuman owns pieces of land admeasuring about 45,615 square yards on Malabar Hill. The Fund is maintained by the annual ground-rent of the plots, occasional donations from members of the Bombay Parsi Pastakia Clan and voluntary subscriptions collected monthly from them. Under the Trust Deeds of the Fund, dated 15th November 1849, and 5th March 1862, certain religious ceremonies are to be observed, and religious feasts are to be celebrated annually in Bombay:—

TRUSTEES OF THE FUND.—Fardunji Framji Guard and Ruttansha Dadabhai Rustomjee Bhabha.

HONORARY TREASURER.—Ruttansha Dadabhoi Rustomjee Bhabha, Meher Mansion, near Tardeo Bridge, Tardeo, Bombay 8.

BOMBAY WIDOWS' PENSION FUND, LTD.

Fort Chambers, Hamam Street, Fort.

AIMS AND OBJECTS: Provide pensions or gratuities to widows who are members of the Company. Cosmopolitan.

COWASJI BERAMJI DIVECHA TRUST FUNDS

Darya Building, 375, Hornby Road, Fort.

AIMS AND OBJECTS: Pecuniary help to poor. Help for Navjote, marriage and funeral expenses. Sectional—for Parsis only.

ACTIVITIES: Pecuniary help and maintenance of a grain shop supplying at cost price.

SIR DINSHAW MANOCKJEE PETIT FIRST BARONET CHARITY TRUST

Petit Building, Hornby Road.

AIMS AND OBJECTS: Help to aged and poor Parsis. Sectional—confined to Parsis only.

President.—Sir D. M. Petit, Bart.

Secretary.—R. M. Engineer.

DADABHOY NOWROSJI DAVER CHARITY FUNDS

C/o J. H. Cama, Dalal Street, Fort.

AIMS AND OBJECTS: Religious ceremonies and help to poor and destitute. Also educational help.

DAWOODI BOHRA SOCIETY

Maskati House, Mohamedalli Road.

AIMS AND OBJECTS: Educational, economic and social welfare of Dawoodi Bohras. Sectional—Dawoodi Bohras only.

ACTIVITIES: Grants, scholarships and maintenance allowances to poor families.

DESTITUTE IRANI CHARITY FUND

Beramji Mansion, Sir P. M. Road, Fort.

AIMS AND OBJECTS: Economic welfare of Irani Zoroastrians.

ACTIVITIES: A Dharamshala for Iranis at Hughes Road, Bombay 7. Help to destitute Iranis and also fees for their children.

DHUNJIBHOY DOSSABHOY MAMA CHARITY FUNDS

C/o H. S. Spencer, 18, Mount Mary Road, Bandra Hill.

AIMS AND OBJECTS: Help to poor Parsis. Sectional—for Parsis only.

DISTRICT BENEVOLENT SOCIETY OF BOMBAY

Sir J. J. Dharmasala, opp. Imperial Bank, Byculla Branch.

Committee Members.—Sir Jamsetjee Jeejeebhoy, Bt., *Chairman*; Bomanji P. Sethna, *Hon. Treasurer*; Rao Bahadur R. N. Athavle, Sir Rustumji P. Masani, Miss Prema Jeewandas, Dr. E. Moses, Dr. Mrs. B. M. Dubash, A. E. Servai, N. B. Bhatawdekar and Mrs. J. N. Gobhai.

Hon. Secretary.—Mrs. J. N. Gobhai.

Jt. Secretary.—Dr. Mrs. B. M. Dubash.

EUROPEAN GENERAL (ST. GEORGE'S) HOSPITAL ENDOWMENT FUND

This Fund gives financial assistance to poor Europeans who are sick, convalescent, or unemployed as a result of ill-health. Applications should be sent to the Secretary of the Fund, Kaman Chambers, 32, Nicol Road, Ballard Estate, Bombay.

GOCULDAS TEJPAL CHARITIES

7, Bastion Road, Fort, Bombay.

These Charities maintain one boarding school, one Sanskrit college, three high schools, and Laxmi Narayan Temple in Bombay and two high schools and three A. V. Schools, one temple and Sadavratas in Kutch State. Besides about 100 destitute persons and 10 children of the Bhatia community are given monthly monetary assistance for food, etc.

GOWALIA TANK ROAD PARSİ WELFARE CENTRE

This welfare centre was founded in the year 1942 to render help in various kinds to the poor class people of the community. Office-bearers:—

President.—H. N. Dallas; *Vice-President.*—Adi K. Munshi; *Jt. Hon. Secretaries.*—E. D. Bugwadia and N. B. Cardmaster; *Jt. Hon. Treasurers.*—H. H. Panthaky and M. K. Saklatwala. All communications to be addressed to R. D. Bugwadia, Forjett Cross Lane, Bombay 26.

HINDU DEEN DAYA SANGH

Foundling Home, 255-56, Slon Road, Bombay 22.

This institution is registered as a public trust and approved by the Central Government as a charitable institution for exemption of Income-tax on donations given. Recognised by Government as remand home, under Children's Act. This institution admits foundlings and discarded babies of ages below five and brings them up to make them good citizens.

President.—Kanaylal M. Munshi. *Chairman.*—Pradhashanker R. Bhatt. *Vice-Chairmen.*—J. V. Gokal; Mrs. Babiben Mulji Nayal, J.P. *Trustees.*—Dr. K. S. Mhaskar, M.D.D.P.H.; Gordhandas G. Morarji, J.P.; Madhavaji H. Shah, J.P. *Hon. Secretaries.*—Ratilal C. Kothari, J.P.; M. T. Majmudar.

HORMASJI DORABJI BODE CHARITABLE TRUST

C/o Fardoonji D. Ustad, 35, Rebsch Street, Byculla.

AIMS AND OBJECTS: Religious ceremony primarily and balance for help to poor Parsis.

HORMASJI RUSTOMJI SHROFF CHARITY TRUST

Central Bank Executor & Trustee Co. Ltd.

Central Bank Building, Mahatma Gandhi Road.

AIMS AND OBJECTS: Help for Navjote ceremony and to institutions providing food to poor students.

IRANIAN ZOROASTRIAN ANJUMAN

Kermani Building, Sir P. M. Road, Fort.

AIMS AND OBJECTS: To advance and further the social, moral, physical and educational welfare of Irani Zoroastrians. *Secretary:* Aspidhar M. Aga, B.A. Sectional confined to Irani Zarthostis.

JAM-E-JAMSHED CHARITY FUNDS

Mangalore Street, Ballard Estate.

AIMS AND OBJECTS: Economic welfare of the Parsi community. Sectional—confined to Parsis only.

ACTIVITIES: Maintenance allowance to widows, tenements for poor Parsis at Dadar, a sanatorium at Khandala for convalescents.

JAN SEVA SANGH

Gopal Nivas, Princess Street.

AIMS AND OBJECTS: Relief of distress among the poorer classes. Cosmopolitan.

ACTIVITIES: A milk centre in C-Ward under Government Milk Scheme.

JEEJEEBHOY DADABHOY CHARITIES

Alice Building, Hornby Road.

Founded under the will of the donor in the year 1849 for the following charities:—

Colaba and Sardona Fire Temples, Bombay and Udawa Schools with average attendance of 375 and 225 boys and girls respectively. Madreas at Elav, Ankleshwar, Sigarpore, Savali and Pardi, besides help of every description for Parsis.

Trustees:—Muncherjee D. M. Jeejeebhoy, Nanabhoj B. Jeejeebhoy, Ardeshir R. Jeejeebhoy and Rustumjee Dosabhoj Jeejeebhoy. *Secretary:*—Rustum J. Moberjee.

JEWISH RELIEF ASSOCIATION

Hague Building, Sprott Road, Ballard Estate, Post Box No. 47.

Hostel:—Habib Chambers, 324, Victoria Gardens Road, next to Christ Church football compound, Bombay 8.

The Association assists Jews in or passing through India, participates in Jewish Charities and administers the Jewish children's Feeding Fund.

KAPAWALLA CHARITY TRUST FUND

AIMS AND OBJECTS: Supply of free grain to indigent members of the Parsi community.

ACTIVITIES: Two-thirds of the balance of the income go to the B. D. Petit Parsi General Hospital. One-third to go to Dr. Masina's Hospital.

MANEKJI COWASJI PETIT CHARITY TRUST

C/o Furdoonji C. Petit, Ram Mansion, Napean Sea Road,
Malabar Hill.

AIMS AND OBJECTS: Help to poor and destitute Parsis. Sectional—confined to Parsis only.

MANEKJI FRAMJI SETHNA CHARITY TRUST

Central Bank Executor & Trustee Co.,
Central Bank Building, Mahatma Gandhi Road.

AIMS AND OBJECTS: Help to needy Parsi Funds and for Navjote ceremonies.

ACTIVITIES: A sum not exceeding Rs. 200 to be paid to a Parsi Zoroastrian Fund badly in need of money, or a sum not exceeding Rs. 200 for performance of Navjote of poor Parsi boys or girls.

MANEKJI NOWROJI SETT CHARITIES

Kodak House, Hornby Road, Fort.

AIMS AND OBJECTS: Donations to charitable institutions and rent relief and medical help to poor and lower middle class Parsi families, etc. Sectional—for Parsis only.

MANGESH VISHWANATH RAJADHYAKSHA SCHOLARSHIP AND CHARITY FUND

Mangesh Building, Bhatwadi Road, Girgaon.

AIMS AND OBJECTS: Scholarships to deserving students of the Gowd Saraswat Brahman community, attending schools, colleges and other educational institutions. Monetary assistance to poor and helpless members of the community.

MASALEH-E-UMoor-E-MUSLIMIN

Juma Masjid of Bombay, Bombay 2.

AIMS AND OBJECTS: Help to destitute Kokni Muslim Pardanishin widows. Sectional—confined to Kokni Muslim widows.

MEHERJIBHOY BOMANJI KASSINATH CHARITY TRUST

17-19, Bastion Road, Fort.

AIMS AND OBJECTS: Help to Parsis. Sectional.

N. F. KANNY CHARITY TRUST FUND

C/o P. A. Wadia, 173, Jamshedji Tata Road, Backbay, Bombay 1

AIMS AND OBJECTS: Help to poor Parsis, preferably to relations of the donors. Sectional—for Parsis only.

N. M. PETIT CHARITABLE INSTITUTION

Mehta Building, Medows Street, Fort.

AIMS AND OBJECTS: Eleemosynary and medical relief as well as educational help to Parsis. Sectional—for Parsis only.

ACTIVITIES: Help—in the shape of fees and books to poor students and pecuniary help to the poor.

N. M. WADIA CHARITIES

22-D, Parsi Bazar Street, Fort.

Trustees:—Sir Jamsetjee Jejeebhoy, Bart., Sir Rustom P. Masani, C. P. Wadia and Sir Shapoorjee B. Billimoria, Kt., M.A., E.

The object of the funds of these Charities is to help destitute people irrespective of caste, creed or colour, and the same are used for the following purposes according to the wishes of the founder:—

(1) Marriage of poor maids; (2) Navjote of Parsi boys and girls; (3) Maintenance and education of orphans; (4) Hospitals; (5) Relief of the poor and distressed; (6) Natural calamities; (7) Care and protection of animals; (8) Education; (9) Charities for poor Parsis; and (10) Unspecified charities.

NAVJIVAN SANGH

Gopal Nivas, Princess Street.

AIMS AND OBJECTS: Encouragement of village and home industries.

ACTIVITIES: A grain shop. Dealing in handmade paper, ghani oil, pure ghee, honey and hand spinning instruments.

P. A. HORMASJEE CHARITIES

70, Forbes Street, Fort.

AIMS AND OBJECTS: Economic welfare of the Parsi community. Sectional—for Parsis only.

ACTIVITIES: Monetary help to poor Parsis for maintenance, education and medical purposes. Tenements for poor Parsis at Dadar.

PIROJBAI DARASHA CAPTAIN CHARITY FUNDS

C/o H. S. Spencer, 18, Mount Mary Road, Bandra Hill.

AIMS AND OBJECTS: Help to poor and destitute Parsis. Sectional—confined to Parsis only.

RAOJIN VANJARI NIRASHRIT FUND

47, 4th Kamathipura, Bombay No. 8.

This fund was founded in 1908 with the object of giving maintenance or other allowance, medical help and first day funeral expenses to the poor and needy persons of the Raojin Vanjari community. The fund is managed by a Board of Trustees.

SARAIYA CHARITY TRUST

Swastik Court, 132, Queen's Road, Churchgate Reclamation.

AIMS AND OBJECTS: Help to the poor for maintenance and education. Cosmopolitan.

ACTIVITIES: Scholarships for education and medical relief.

SETH ARDESHIR SORABJI FRAMJI PATEL CHARITY FUND

Yusuf Building, Mahatma Gandhi Road, Fort.

AIMS AND OBJECTS: Maintenance, housing and education of poor Parsis. Help for marriage and funeral expenses. Donations to deserving Parsi institutions. Sectional—confined to Parsis only.

SHREE MAKHARIA CHARITABLE TRUST

Bank House, 203, Kalbadevi Road.

AIMS AND OBJECTS: Education. Relief of distress from disease and poverty, etc. Helps the "Marwari Hospital" with large donations. Cosmopolitan.

SHREE MODH SUBHECHAK FUND

642, Sandhurst Bridge.

AIMS AND OBJECTS: Economic welfare of members of the Modh Vanik Community. Sectional—confined to Modh Vanik Community.

ACTIVITIES: Monetary help for maintenance and education.

SHREE RATANBEN RUKSHMANIBAI SHRAVIK ASHRAM

Jubilee Baug, Tardeo, Bombay 7.

This Institution was founded by Shri Maganbehn, daughter of Seth Maneckchand Hirachand. It has for its object the uplift of Jain widows by giving them shelter, education and knowledge to enable them to maintain themselves quite independently and serve the community as best they can.

SHRI GURU SINGH SABHA

Post Box 640,

264, Frere Road, Fort.

AIMS: To work for the religious and educational advancement and unity of the local Sikhs and foster brotherly relations with other communities.

ACTIVITIES: A Musafirkhana, free kitchen and library are maintained at 264, Frere Road and also at Naigaum, Dadar, with a school for children. These are open to all communities.

SIR RATAN TATA CHARITIES

Bombay House, Bruce Street, Fort.

The aims and objects of the Charities among others are directed towards relief of distress and poverty, medical relief, social welfare, education, learning and industry in all their branches and other objects of public utility but of a charitable character.

Trustees—Lady Ratan Tata; Naoroji Hormusji Tata; Sir Hormusji Dastur, Kt.; Dhanjishaw Hosangshaw Nanavati; Homonji Piroshaw Sett.

Secretary.—Pirosha Pestonji Mistri.

SOCIETY OF N. S. DA PIEDADE, DABUL

40, Dukerwadi.

AIMS AND OBJECTS: Help to the needy.

SOCIETY OF N. S. PIEDADE

Gloria Church, Byculla.

AIMS AND OBJECTS: Support of the poor. Mostly for Christians, but others not excluded.

SOCIETY OF ST. VINCENT DE PAUL, ST. PETER'S CONFERENCE

St. Peter's Church, Hill Road, Bandra.

AIMS AND OBJECTS: Economic and social uplift of the poor Cosmopolitan and regional.

SORABJI MANEKJI SETHNA CHARITIES

C/o Messrs. S. B. Billmoria & Co.

113, Mahatma Gandhi Road, Fort.

AIMS AND OBJECTS: Help to poor and destitute Parsis.

St. ANTHONY'S GUILD

St. Andrew's Church, Bandra.

AIMS AND OBJECTS: Promotion of devotion to St. Anthony's, and help the poor of Bandra, from collections from St. Anthony's Box. Guild is restricted to Catholics but cosmopolitan so far as charity is concerned.

ACTIVITIES: Besides help to the poor, the Guild has a Home containing 12 rooms occupied free by poor people.

St. ISABEL'S (LADIES) CHARITABLE ASSOCIATION

C/o Miss Elizabeth Rowe,

St. Theresa High School, Gaiwadi.

AIMS AND OBJECTS: To visit the female poor and bring help to them. Cosmopolitan.

ACTIVITIES: There are six circles at Kalbadevi, Girgaon, Mazagaon, Byculla, Mahim and Fort, where visits are paid, help given in the shape of money, clothes, etc. and children put into schools or hospitals.

VACHA (DR. B. E. AND DR. R. E.) EDUCATION FUND

14-K, Hamam Street, Fort.

AIMS AND OBJECTS: Educational help to poor Parsi boys and girls and relief to the poor. Cosmopolitan—for relief of the poor of all communities.

ACTIVITIES: Fees to about 35 boys and girls and donations to institutions like the Blind School, Hospitals, Seva Sadan, etc.

WORLI GOPCHAR AND BHOYE SAMSTHAN

Worli, Bombay 18.

This is a Charitable Trust to help students, orphans, and widows of the Pathare Kahatriya community. The original Samsthan consisted of lands on Worli seafront reserved for charitable purposes by the earliest Pathare Kahatriya settlers in Worli in the 13th century. The Estate subsequently became a Trust and in 1930 the High Court framed a scheme for the conduct of the Samsthan's affairs.

Managing Trustees.—M. D. Raote, Y. W. Mantri, B. H. Mantri, G. K. Worliker and J. A. Mantri.

WORK CLASSES**AGRIPADA RAHVASI SEVA MANDAL**

Block No. 2, Wylie Street, Bombay 11.

AIMS AND OBJECTS: Social, cultural and economic uplift of the people of Agripada. Cosmopolitan—for the residents of Agripada locality.

ACTIVITIES: Hindi and literacy classes. Women's handicrafts. Physical training for boys and girls. Co-operative Stores. Films and other entertainments. First Aid and Medical Appliances.

ALL-INDIA ISMAILLIA HELPING SOCIETY

Kersasp Building, Dongri Street, Bhimpura, Bombay 9.

AIMS AND OBJECTS: Welfare of members of the Ismaili Khoja Community.

ACTIVITIES: Industrial classes for women, teaching cutting, sewing, embroidery and other handicrafts, conducted at Dadar, Mahim, Bandra and Thana. Classes open to all communities and recognised by Government Educational Department.

Running two Public canteens, one at Samuel Street and the other at Imamwada Road, catering food and refreshment articles prepared on scientific lines.

ARTYTOYS INDUSTRIAL SCHEME TRUST

Sir Ratan Tata Centre, Gamadia Colony, Tardeo.

AIMS AND OBJECTS: Work for unemployed. Technical training and apprenticeship opportunities to youths. Employment for destitutes. Cosmopolitan.

ACTIVITIES: Two workshops in woodwork, metal-work, electroplating, box-making, toy manufacture, etc.

BHATIA STREE MANDAL

Mangesh Senoy Street, G.P.O., Fort.

AIMS AND OBJECTS: Work for women and children and their uplift. Cosmopolitan.

ACTIVITIES: Classes for women in cutting, sewing and embroidery. Montessori classes and primary schools for children. Economic help to women, and an Industrial Home, namely, Sir Rao Bahadur Vassanji Khimji Udyog Mandir.

BOMBAY PRESIDENCY WOMEN'S COUNCIL

Town Hall, Fort.

AIMS AND OBJECTS: Mutual help and service of women of the State. Cosmopolitan.

ACTIVITIES: A depot for the sale of women's handicrafts at Green's Hotel. Rescue Home at Umerkhadi. Dispensary, nursery school and sewing classes at Matunga Labour Camp. Literacy classes in Hindi, Urdu and Marathi in different localities. Children's Holiday Library. Health Sub-Committee—Visits to markets and dispensaries. Agitation on Beggar Problem.

BOMBAY UPNAGAR JILLA GRAMUDDHOG SANGH

306, Kalbadevi Road.

AIMS AND OBJECTS: Village industry and village uplift. Cosmopolitan.

ACTIVITIES: Classes for training and work class. Library, a museum and a statistical information Bureau.

BHAGINI SAMAJ, DADAR

Dadar Bhagini Samaj, 3rd Lane, Hindu Colony, Dadar.

AIMS AND OBJECTS: Encourage development of health and culture of women. Cosmopolitan.

ACTIVITIES: Gymkhana, gymnasium, library and a work class.

DADAR PARSİ WELFARE CENTRE

614, Najoo Manzil, Jam-e-Jamshed Road, Parsi Colony, Dadar.

AIMS AND OBJECTS: Welfare of Parsis, mainly residents of Dadar. Sectional—confined to Parsis only.

ACTIVITIES: A nursery school, a work class for Parsi ladies in Najoo Manzil including sewing, tailoring and cookery.

Day Nursery: Munsiff Bldg., Mancherji Joshi Road, Parsi Colony, Dadar.

GANDHI SEVA SENA

Adenwalla Mansion, Chowpatty Sea Face.

AIMS AND OBJECTS: Economic, moral and spiritual uplift of the people. Removal of untouchability and promotion of the use of Khaddar. Cosmopolitan.

ACTIVITIES: Khadi shop at Adenwalla Mansion with a work class attached. Cheap grain shop. Night Schools at Dandra and Khar. Village industries shop.

GLORIA CHURCH NEEDLE ROOM

Gloria Church, Byculla.

AIMS AND OBJECTS: To teach needle work to girls of poor families.

ACTIVITIES: A work class, including teaching in knitting and embroidery.

HABONIM WORK ROOM

55, Forbes Street, Fort.

AIMS AND OBJECTS: Training of poor children in dress-making and sewing. Cosmopolitan.

ACTIVITIES: A work class attended by 25 children.

KUMARIKA AND STREE MANDAL

Bhagini Seva Mandir, Sarojini Road, Vile Parle (West).

AIMS AND OBJECTS: Education of Hindu Women, teaching them to be self-supporting through various arts and crafts.

ACTIVITIES: A Bal Mandir, a cutlery shop and classes for crafts.

Parsi Amelioration Committee

Kotwal's Bungalow, Sleater Road, Bombay 7.

AIMS AND OBJECTS: Economic Welfare of Parsi Women and children.

ACTIVITIES: A nursery and primary school in Kotwal's Bungalow. A Young Women's Hostel at Tardeo Road for working girls and also for students. An Institution for cooking and confectionery where Parsi women are employed.

SEVA SADAN SOCIETY

Gamdevi, Bombay 7.

Objects.—Social, Educational and Medical Service (Seva) through Indian Sisters (Regular and lay). The following departments of work are maintained:—1. The Home. 2. Home Education Classes. 3. Marathi Training College. 4. Marathi Primary School. 5. Industrial Department (Tailoring, Machine and Hand Embroidery, Laundry, Hosiery, Cooking are among the chief Industries). 6. Training Homes (Ashrams). Total number taking advantage at present is over 500.

President.—Mrs. Shuffi Tyabji. **Hon. Secretary.**—Miss B. A. Engineer, M.B.E., M.A., LL.B., J.P. **Jt. Hon. Secretary.**—Mrs. V. D. Muzumdar.

SHREE JAIN MAHILA SAMAJ

Mangrol Mansion, Bora Bazar, Fort.

AIMS AND OBJECTS: Physical, cultural and economic welfare of women and children. Cosmopolitan.

ACTIVITIES: Industrial classes for women. Teaching of hand and machine embroidery. Also Montessori and Industrial classes for children.

SIR RATAN TATA INDUSTRIAL INSTITUTE FOR PARSIS WOMEN

Sir Ratan Tata Industrial Institute, Hughes Road.

AIMS AND OBJECTS: To provide work for women of the poorer and middle classes, with a view to making them self-reliant. Sectional—for Parsi women only.

ACTIVITIES: The Institute has the following departments. Catering and confectionery. Hand embroidery and machine embroidery. Sewing department. Laundry and Dyeing.

SIR SORABJI POCHKHANAWALLA'S WELFARE INSTITUTION FOR PARSIS WOMEN

Dubash Building, Gamadia Colony, Tardeo.

AIMS AND OBJECTS: To help home industries among Parsi women.

ACTIVITIES: A work class for women in Gamadia Colony, for plain sewing, dress making, borders, hand-made or machine-made and embroidered household linen.

STRI ZARTHOSTI MANDAL

Hughes Road, Bombay 7.

The chief activity of the Stri Zarthosti Mandal is the Sir Ratan Tata Industrial Institute for Parsi women. It was started in 1928 with the object of promoting the welfare of the poor women of the community by giving them work whereby they could earn their living and support their families. There are eight departments, viz., Catering, Confectionery, Hand-embroidery, Machine-embroidery, Sewing, Laundry, Dyeing and Hand-painted Cards, providing work for nearly 175 women.

President.—Lady Ratan Tata; **Hon. Gen. Secretary.**—Mrs. Dinbal E. S. Patuck; **Hon. Treasurer.**—Miss Manijeh S. Captain.

VANITA SAMAJ

Cadell Road, Shivaji Park, Dadar.

AIMS AND OBJECTS: Social advancement of Indian women. Cosmopolitan.

ACTIVITIES: Lectures, sports, library room and industrial section. A Montessori School and classes in Hindi, embroidery and cookery.

VILLA THERESA

66, Pedder Road, Cumballa Hill.

AIMS AND OBJECTS: Housing and economic welfare. Cosmopolitan.

ACTIVITIES: A Kindergarten School. A Hostel for students and working girls. Industrial training to poor children.

ENDOWMENTS FOR SCHOLARSHIPS AND LOANS**AVABAI AND ISABEL NANJI CHARITY TRUST**

Central Bank Executor and Trustee Co., Ltd.,

Central Bank Building, Mahatma Gandhi Road.

AIMS AND OBJECTS: Help for training Parsi youths and workers in trade and handicrafts or agriculture and students in technical, scientific and general education.

BAI MOTLIBAI WADIA CHARITABLE FUNDS

C/o N. M. Wadia Charities,

22-D, Parsi Bazar Street, Fort.

AIMS AND OBJECTS: Scholarships to Parsi boys and girls attending technical and professional institutions and colleges in India. Sectional—for Parsis only.

BHARATIYA YADAV YUVAK SANGH

"Barsana", Matunga.

AIMS AND OBJECTS: Social and Educational Welfare of Yadav community.

ACTIVITIES: Scholarships to Yadav students. Meetings and conferences for the uplift of the Yadavs.

BOMBAY BHATIA MAHAJAN

C/o Messrs. Vassanji Sons & Co., 9, Wallace Street, Fort.

AIMS AND OBJECTS: Welfare of the Bhatia community.

ACTIVITIES: Scholarships for industrial and vocational training. Scholarships for educational help to Bhatia girls. Classes for general education, music, etc. for Bhatia ladies. A work class for ladies and provision of a trained nurse in midwifery cases.

BOMBAY TELUGU EDUCATION FUND

Kamathipura, Bombay 8.

This is an Educational Institution with a Fund of about Rs. 47,600 for the purpose of granting financial aid to deserving students of the Telugu community residing in Bombay State.

President—V. S. Alkonde; *Secretaries*—Dr. B. R. Nayen, S. S. Manda; *Treasurer*—V. B. Banpel.

BOARD OF TRUSTEES—Consists of 7 members. *Managing Trustee*—S. S. Manda.

BRAHMIN BHAGINI SAMAJ

Asha Nivara, 214, Charni Road.

AIMS AND OBJECTS: Promote educational and social progress of women.

ACTIVITIES: Scholarships to women students. Tailoring classes and classes in Marathi, Hindi and English.

COUNTESS OF DUFFERIN FUND

Government House, Bombay.

The objects of the Branch Association are—*first*, to co-operate with the National Association for supplying Female Medical Aid to the women of India; and, *second*, to give effect in Bombay to the objects for which the National Association has been founded, viz:—

- I.—The Training and supply of nurses and midwives for women and children in hospitals and private houses in Greater Bombay and in the mofussil throughout the Bombay State.
- II.—When the funds of the Association permit, the similar supply of lady-doctors, Hospital Assistants and others with skilled medical training and knowledge.
- III.—Medical tuition, including the teaching and training in India of women as Doctors, Hospital Assistants, Nurses and Midwives.
- IV.—Medical Relief, including—
 - (a) the establishment, under female superintendence of dispensaries, and college hospitals for the treatment of women and children;
 - (b) the opening of female wards under female superintendents in existing hospitals and dispensaries;
 - (c) the provision of female medical officers and attendants for existing female wards, and
 - (d) the founding of hospitals for women when special funds or endowments are forthcoming.

Hon. Secretary and Treasurer, R. N. Bhavnagri, 113, Mahatma Gandhi Road, Bombay.

CURSETJI NUSERWANJI CAMA MEMORIAL FUND

AIMS AND OBJECTS: Educational help to school and college boys and girls.

DABHOLKAR SCHOLARSHIP FUNDS

22, Elphinstone Circle, Fort, Bombay 1.

The above endowments founded by the late Shantaram Narayan Dabholkar, consist of two charity trusts, viz., (a) Bal Shantabai Shantaram Dabholkar Charity Trust, and (b) Bal Anandibai Raghunath Dabholkar Charity Trust.

The object of these endowments is to promote higher education and advancement of members of the Gaud Saraswat Brahmin Community including all its sub-sections (as mentioned in the Trust Deeds) by awarding monthly scholarships to (1) Male members of the Gaud Saraswat Brahmin Community including all sub-sections studying in high schools, colleges and other educational institutions managed or recognised by the Government or the University of Bombay; and (2) Female members of the said community studying in schools, colleges or other institutions or qualifying themselves as nurses or midwives. Special scholarships are reserved for research students both male and female, who do or intend to do real research work.

**DAIWADNYA SAMAJONNATI PARISHAD
MADHYAWARTI SHIKSHAN FUND**

Sarkari Tabela, No. 92/25-260M, Girgaum Road, Bombay 4.

The object of this Fund is to help students of the Daiwadnya community with fees and books. The Fund has special arrangement for students who wish to go for higher industrial education. The Fund also gives away prizes as an encouragement to students passing English Standards from IV to matric, getting the highest number

of marks in Sanskrit. Also five special prizes are awarded as follows: One to the person standing highest in Matriculation, one to a lady student standing highest in the same Examination, one each to the person getting highest marks in Mathematics and English in Matriculation, and one to the person who after Matriculation Examination continues with Sanskrit as second language in college and stands highest among college students.

DARABSHA PALLONJI CHARITIES

C/o Pallonji Eduljee & Sons, New Charni Road.

AIMS AND OBJECTS: Help to college students, boys and girls.

**DR. DHIRAJRAM DALPATRAM AND BAI
DAHIGAORI CHARITABLE TRUST**

Tulsi Villa, Harvey Road, Gamdevi.

AIMS AND OBJECTS: Promotion of Education. For Hindus only, preference to relatives of the donor.

ACTIVITIES: Fees and Scholarships to students.

DIAMOND JUBILEE TRUST

Hasham Premji House, 5, Ghoga Street, Fort.

AIMS AND OBJECTS: Social and educational uplift of Ismaili followers of His Highness the Aga Khan.

ACTIVITIES: Grants given to different institutions, such as maternity homes, orphanages, health centres, hospitals, etc., and scholarships to deserving students for high school, college and vocational education, all over the country. Conducting separate Boys and Girls High Schools, and two Montessori Schools, in Bombay, which are open to all communities.

HIND MAHILA SAMAJ

Cutch Castle, Sardar Vallabhbhai Patel Road.

AIMS AND OBJECTS: Create a spirit of co-operation among women. Cosmopolitan.

ACTIVITIES: A library, sewing and embroidery classes and scholarships to Harijans.

**J. A. WADIA PARSİ EDUCATIONAL CHARITABLE
TRUST**

5, Wilderness Road, Malabar Hill

AIMS AND OBJECTS: Educational help to Parsi children, particularly children studying at Dastur School, Poona. Sectional—confined to Parsis only.

**J. N. TATA ENDOWMENT FOR THE HIGHER
EDUCATION OF INDIANS**

Bombay House, Bruce Street, Fort.

AIMS AND OBJECTS: Provides higher education by training Indians with brilliant records in subjects that will promote the advancement of the country, particularly scientific and technological subjects. Cosmopolitan.

ACTIVITIES: Awarding scholarships for higher training in foreign universities.

K. B. RELE EDUCATIONAL TRUST FUND

Kapur Mansion, 47, Hughes Road, Bombay 7.

The object of the Fund is to render help from its income to the poor, needy and deserving students of the Kshatriya community, who wish to prosecute their studies in Schools or Colleges of Indian or Foreign Universities, by giving (1) Studentships, (2) Scholarships, (3) Prizes to Students.

TRUSTEES: K. S. Rele, B.A., LL.B., Solicitor, *President*; Raghuvver K. Rele, *Secretary*; Harishanker Narayan Penker, *Accountant*; Chandrakant Ramrao Bhiwandkar, *Advocate*; Udhav D. Mastakar; Vasantrao A. Mahimkar; Pradyumna V. Rele, Solicitor.

KUDALDESHASTHA GAUD BRAHMIN VIDYAVRIDDI SAMAJ

30, Kudaldeshkar Brahmin Niwas, Bombay 4.

OBJECTS: Promoting primary, higher, industrial and technical education amongst poor deserving students of the community, by granting scholarships.

Capital Funds of the Samaj, which started in 1894, amount to Rs. 4,60,000. The annual interest thereon and subscriptions aggregating Rs. 15,000 are utilized for scholarships to deserving poor students of the community here and abroad. So far Rs. 2,63,000 have been paid in scholarships to 1,087 students.

LADY TATA MEMORIAL TRUST

Bombay House, Bruce Street, Fort.

The Lady Tata Memorial Trust was endowed in 1932, by the late Sir Dorabji Tata as a memorial to his wife. A fifth of the net income is earmarked for the encouragement of research by Indians in subjects bearing directly or indirectly on the alleviation of human suffering. The rest of the income is devoted to International Awards to candidates of any nationality for research in diseases of the blood with special reference to leucæmias.

Trustees.—Lady Ratan Tata, J. R. D. Tata (*Chairman*), Sir H. P. Mody, J. D. Choksi, D. R. D. Tata, Mrs. P. J. Vesugur and Prof. R. Choksi.

Secretary.—D. S. Francoze.

LINGUBAI EDUCATION FUND

20-48, Lohar Street, Vithal Sayana Building, Bombay 2.

This Fund owes its existence to a bequest of the late Bal Lingubai Rajanna Kalewar, a Raojin Vanjari lady. Scholarships are awarded to poor and deserving students belonging to the Telugu and Raojin Vanjari community resident in Bombay State.

Managing Trustee.—Diwan Bahadur Narayan Vithal Sayana. **Trustees.**—Madhukar Raghunath Kalewar, Naganath Sayaji, N. C. Narshiba Acharya, B.A., LL.B., N. Y. Pedram, B.A., B.T. and S.S. Gangla, B.A.

MAHARATHA KSHATRIYA VIDYA VARDHAK MANDAL

C/o Secretary, B.T.T. Chawl No. 4, Room 59, Polibavdi, Parel.

AIMS AND OBJECTS: Educational help to students of the Maharatha Community.

ACTIVITIES: Scholarships to six students in school.

MAHARATHA VIDYARTHI SAHAKARI MANDAL

Batatawala Mansion, Lal Baug.

AIMS AND OBJECTS: Scholarships to poor Maratha Students. Sectional - for Maharathas.

MALKOO SAIBOO BABBI TRUST

Kamatipura, 5th Lane.

AIMS AND OBJECTS: Scholarships to students of the Telugu community.

ACTIVITIES: Scholarships to 11 students and a reading room.

MANEKJI NOWROJI SETT POLYTECHNIC INSTITUTE

Kodak House, Hornby Road, Fort.

AIMS AND OBJECTS: Giving free or loan Scholarships to poor Parsis for technical training in India or abroad. Sectional—for Parsis only.

MANGALORIAN CATHOLIC EDUCATIONAL CO-OPERATIVE CREDIT SOCIETY, LTD.

14, Noble Chambers, Parsi Bazar Street, Fort.

To help young men for higher, medical, technical, and industrial education. To help young men to learn trades during the period of apprenticeship. Membership Fee Rs. 25 only.

DR. MOTIBAI KAPADIA EDUCATION FUND

C/o Mr. Jamshed J. J. Cursetjee, 55, Worli Sea Face, Bombay 18.

AIMS AND OBJECTS: Assistance for higher studies, especially technical, engineering and scientific courses. Sectional—for Parsis only.

ACTIVITIES: Monetary help for studies to Parsi students.

NUSERWANJI DORABJI BHADA CHARITIES

C/o Ardeshir N. Bhada, Imperial Mahal, Dadar.

AIMS AND OBJECTS: Scholarships and fees to school and college boys and girls.

PARSI CHARITY ORGANISATION SOCIETY

Thakur Nivas, 173, Jamshedji Tata Road, Bombay 1.

Objects.—To cultivate healthy public opinion as to the right direction of charities and their organisation.

Working.—Undertaking inquiries in all cases referred to the Society for enquiry and report.

Hon. Secretary.—Prof. P. A. Wadia, M.A.

PATHARE PRABHU MAHILA SAMAJ

333, Thakurdwar, Kalbadevi 2.

AIMS AND OBJECTS: Social work among women of the Pathare Prabhu Community. Sectional—for Pathare Prabhu women.

ACTIVITIES: A sewing class and a class to teach leather works. Open to ladies of other communities. Scholarships to some deserving students of the community. Periodical competitions of fine arts including Rangoli, cutting, fancy work, drawing, dramatic and culinary are held.

RANCHHODDAS CANJI CHARITY TRUST

114, Vithalbhai Patel Road, Girgaum 4.

AIMS AND OBJECTS: Monetary help to students.

RAO BAHADUR ANANT SHIVAJI DESAI TOPIWALA CHARITY

The Topiwala Charity and its endowments are administered by a Board of Trustees belonging to the Kudal Deshastha Gaud Brahmin Community. The Charity property consisting of buildings is situated at Girgaum Road, Bombay.

The rent realised from the property is utilized towards granting Indian and foreign Scholarships and helping widows and destitutes of the Community.

Chairman.—M. N. Desai Topiwala; **Managing Trustee.**—N. P. Samant

REMAKANT KRISHNA BHENDE SCHOLARSHIP FUND

C/o L. S. Dhabolkar, 22, Horniman Circle.

AIMS AND OBJECTS: Scholarships to boys and girls of the Goud Saraswat Brahmin Community, passing matriculation examination from a High School at Poona.

ACTIVITIES: Scholarships.

ROHIDAS SUDHARAK MANDAL

B.D.D. Block No. 12/B, Room 54, Nalgam, Dadar.

AIMS AND OBJECTS: Welfare of Harijans. Particularly for Harjans and Regional for Greater Bombay, Thana and Kolaba Districts.

ACTIVITIES: Literacy classes and help to students, and library.

President.—R. B. Chandorkar; **Secretary.**—D. I. Ambekar.

SHA HURGOWAN ANANDJI DESAI CHARITIES

Hurgowan Desai Buildings, near M'Inrapole, Bombay No. 4.

These Charities maintain (1) a Boarding Institution at Matunga where students for higher examinations are given free lodging and boarding and paid all fees and expenses of education, (2) thirty widows and thirty orphans are given monthly help, (3) a *Sadavrat* is maintained at the Feasting Oart or Wadi situated at Bhaskar Lane, and (4) an annuity is given to a temple at Mangrol. A *Dharamshala* at Walkeshwar is kept open for the free use of vegetarian Hindus for religious purposes.

SETH MANECKCHAND HIRACHAND JUBILEE BAUG TRUST FUND

Jubilee Baug, Tardeo, Bombay 7.

This Institution was founded by Sheth Maneckchand Hirachand. The income yielded by the estate is devoted to scholarships, Upadeshak Fund, Tirtha Raksha Fund, Parikshalaya and such other funds belonging to the Digamber Jain Community.

Trustees :—Seth Ratanchand Navalechand, Thakordas Panachand, Thakordas Bhagwandas, Vrajlal Kevaldas and Ratanchand Premchand.

Jt. Hon. Secretaries :—Thakordas Bhagwandas Javery; Thakordas Panachand Javery.

SHREE AZAD PANCHAL YUVAK SANGH

Herrarwalla Building, No. 13, Room 43, Dellsie Road, Parel.

AIMS AND OBJECTS : Education and Uplift of Manu Panchal (Luhar) Community. Confined to Panchal Community.

ACTIVITIES : Scholarships and Books to Panchal students. Night classes; free and open to all communities. A free Reading Room and a Library.

SHRI MAHAVIRA JAINA VIDYALAYA

Gowalla Tank Road.

AIMS AND OBJECTS : Encouragement of Secondary and higher education by providing necessary facilities.

ACTIVITIES : Branches at Ahmedabad and Poona accommodating 200 students. Manages more than 40 loan and scholarship trust funds. Publishes books on Jainism.

SIR DORABJI TATA TRUST

Bombay House, Bruce Street, Bombay 1.

Without any distinction of place, nationality or creed, the Trust gives support to charitable objects such as the relief of distress caused by the elements of nature or by any other calamity, the advancement of learning in all its branches, assistance to educational and social institutions and scholarships to individuals; and to charitable institutions or objects endowed by the settler, or by the grandfather, father and brother of the settler.

Trustees :—Lady Ratan Tata; Dr. John Matthai (*Chairman*); J. R. D. Tata; Sir H. P. Mody; A. D. Shroff; N. H. Tata and Prof. R. Choksi.

Secretary :—D. S. Framroze.

SORABJI M. KANGA CHARITY TRUST

36, Warden Road.

AIMS AND OBJECTS : Promotion of education.

ACTIVITIES : Help to deserving students.

SURAT DASSA OSAWAL BANIA EDUCATION ENCOURAGEMENT ASSOCIATION

C/o Manilal Kher Ambalal, Solicitor, 51, Mahatma Gandhi Road, Fort.

AIMS AND OBJECTS : Scholarships and books to Surat Dassa Osawal Bania students.

ACTIVITIES : Scholarships to 30 students.

TULSIDAS GOPALJI CHARITABLE AND DHAKLESHWAR TEMPLE TRUST

204, National Insurance Bldg., Hornby Road, Fort.

The Trust was constituted under a scheme sanctioned by the High Court of Bombay. The late Sheth Tulsidas Gopalji, who belonged to the South Bhanushali community of Porbander, left by his will of 1824 certain landed properties in Bombay, the rental proceeds of which were to be utilised for religious and charitable purposes. The charming Temples of Shri Ranchhodji, Shri Mahadeo and Shri Vitthoba situated on Warden Road at its junction with Pedder Road, and the beautiful tank, a sanatorium and a dharmashala adjacent to them, are maintained from the proceeds of those properties, a part of which is also regularly spent on repairs to temples at Muttra and Vrindavan. The balance of the proceeds is utilised towards the grant of scholarships and for gifts to medical, educational and scientific institutions.

In December 1937, the Trust properties belonging to the old Dhakleshwar Temple Trust at Mahaluxmi were amalgamated, by an order of the High Court of Bombay, with the properties of the Tulsidas Gopalji Charities. The Annual fair held on Dhakleshwar lands during Navratri Puja days of Shri Mahaluxmi is the principal feature of the old Dhakleshwar Temple Trust.

VAISHYA VIDYAVARDHAK SAMAJ

83G, Mugbhat Cross Lane, Girgaum.

AIMS AND OBJECTS : Education of the Konkanaatha Valshya Community.

ACTIVITIES : Monetary help to poor students and scholarships.

VENKOO BALOO CHARITY TRUST FUND

47, 4th Kamathipura, Byculla.

This Fund was founded in 1927 by late Mr. Madhavrao Mahadeo Khandray to give Scholarships to poor and deserving students of Raojin Vanjari Community and to give Medical and other help to needy persons of the Community. *Managing Trustee*.—Laxmibai Ranchandra Kalewa.

VITHOBA PANDORA HALDANKAR (TAT) SOCIETY

Kitte Bhandari Dharmasthan Durgadevi, Kumbharwada.

AIMS AND OBJECTS : Promotion of brotherly feelings and unity amongst members of the Vitthoba Pandoba Haldankar Tat in the Kitte Bhandari Community. Sectional.

ACTIVITIES : Help to poor students and to the ailing.

FREE READING ROOMS AND LIBRARIES

AZAD VACHAN MANDIR

C/o Padmakar B. Karnik, Dharmakuti, Tardeo.

AIMS AND OBJECTS : Education of the people in the locality. Cosmopolitan.

ACTIVITIES : A library and reading room and literacy classes in Marathi.

BANDRA PARSİ ASSOCIATION

C/o Jasmine Ladies Welfare Union, 5-A, Turner Road, Bandra.

AIMS AND OBJECTS : Welfare of Parsi residents of Bandra. Sectional—confined to Parsi residents of Bandra.

ACTIVITIES : Medical relief for the poor, sports and entertainment and a library.

BOMBAY SCOTTISH ORPHANAGE SOCIETY

The object of the Society is to provide maintenance and education for Scottish orphans, and for such other children as the Society shall consider to have sufficient claims to the benefit of the Institution. Subscribers of Rs. 15 annually are members, and donors of Rs. 150 in one sum are life-members of the Society.

Chairman.—J. S. Tilley, O.B.E., Bombay; *Vice-Chairman* :—J. C. Burns, C/o James Finlay & Co., Ltd., Chartered Bank Building, Bombay; *Hon. Secretary*.—Miss D. Small, C/o James Finlay & Co. Ltd., Bombay; *Hon. Treasurer*.—R. C. Watson, C/o Anchor Line Ltd., Bombay.

BRAHMAN SAHAYYAK SANGH

Ganesh Wadi, No. 5, Valiya Road, Dadar.

AIMS AND OBJECTS : Welfare of the Deccani Brahman Samaj.

ACTIVITIES : A library and a reading room. Social functions and religious discussions. Medical Help.

BRITISH INFORMATION SERVICES

Mercantile Bank Bldg., Mahatma Gandhi Road.

AIMS AND OBJECTS : Promotion of closer understanding between India and the U.K. and the strengthening of existing bonds and contacts. Cosmopolitan.

ACTIVITIES : Press service, documentary films, public reading room, public relations work and exhibitions. (Tel. 31001-6.)

BYRAMJEE JEEJEEBHOY PARSEE CHARITABLE INSTITUTION

Opp. Charni Road Railway Station, 33, Queen's Road, Bombay 4.

A Charity High School for Primary and Secondary Education, founded in 1891.

Special Features.—Citizenship Training; Teaching of Accountancy, Shorthand and Typewriting; Free Tiffin and Text-books; Botanical-Zoological Museum; Huge Hall and Library; Old Boys Union helping present boys.

Founder.—The late Hon'ble Seth Byramjee Jeejeebhoy. **Board of Trustees.**—Nanabhoj Byramjee Jeejeebhoy (Chairman); Rustomjee J. R. B. Jeejeebhoy (Managing Trustee); Sir Homi Mody; Sir Rustom Masani; Sir Jamshetji Jeejeebhoy, Bart.; J. R. B. Jeejeebhoy; Behram K. Marzaban.

Principal.—Shrivax N. Havewala.

CHUNILAL SHROFF LIBRARY

Sir Vithaldas Chambers, 16, Apollo Street, Fort.

AIMS AND OBJECTS: To help poor and middle class college students, with books, etc. on loan. Cosmopolitan.

ACTIVITIES: About 400 students helped annually with books.

KUTUB KHANA-I-MADRASE-I-MUHAMMADIAH

Juma Masjid of Bombay, Bombay 2.

AIMS AND OBJECTS: Education. Cosmopolitan.

ACTIVITIES: A free reading room at Juma Masjid.

LOKA SEVA MANDAL

Kala Killa, Dharavi.

AIMS AND OBJECTS: Educational and social welfare of residents of the locality. Cosmopolitan—regional.

ACTIVITIES: Maintains a circulating library and holds meetings. Ventilation of grievances and education of public opinion. Support co-operative movement, form credit societies, conduct gymnasiums.

MAZAGAON TADWADI MUNICIPAL CHAWLS TENANTS' ASSOCIATION

St. Mary's Road, Block 3, Room No. 40, Mazagaon.

AIMS AND OBJECTS: Welfare of tenants of the chawls. Cosmopolitan and Regional.

ACTIVITIES: A free dispensary, a library and a reading room. A free night school and education of tenants in matters of cleanliness, etc.

MUNI MAHARAJ SHREE MOHANLALJI JAIN CENTRAL LIBRARY AND SANSKRIT PATHSHALA

Near Madhav Baug, Bombay 4.

AIMS AND OBJECTS: Education. Cosmopolitan.

ACTIVITIES: A Free Reading Room and a Circulating Library. A Sanskrit Pathshala and a General Library.

UNITED STATES INFORMATION SERVICE

Adelphi, 3, Queen's Road.

AIMS AND OBJECTS: To promote mutual understanding between the U.S. and India.

ACTIVITIES: A free library at 3, Queen's Road, including reference service and book loan programme; film showings; picture exhibits; press services; musical programmes. Sponsoring of lectures and exchange of persons between India and the United States. Issuance of publications.

VIDYADAINI FREE READING ROOM & LIBRARY

Conducted by the Vidyadaini Sabha.

31, Raghunath Dadaji Street, Fort, Bombay.

The institution was established to remove the lack of free reading room and library for the Kannada residents in the Fort area; and also open to all. The library consists of good number of selected Kannada, English books, magazines, newspapers, etc., and new books are added every year.

Library and reading room is open on week days from 7.30 to 9.30 in the morning and from 6.30 to 8.00 in the evening; on Sundays and holidays open from 7.30 a.m. to 12.00 noon.

FREE SCHOOLS

ADARSHA SHIKSHANA SANSTHA

Dadar.

AIMS AND OBJECTS: Physical, mental and moral uplift of youth. Cosmopolitan.

ACTIVITIES: A free night school at Dadar, and other classes.

ANDHRA EDUCATION SOCIETY

T-57, Ex-Military Hurlments, Near King's Circle Station, Slon Road, Bombay 22.

AIMS AND OBJECTS: To impart Education by opening Schools.

ACTIVITIES: Running a high school upto IX Standard.

ARYA SAMAJ (BOMBAY)

Vithalbhai Patel Road, Arya Samaj Lane, Kakad Wadi.

AIMS AND OBJECTS: Religious and Social Reform. Cosmopolitan.

ACTIVITIES: Religious and Social Services classes; a foundling home; an orphanage; a free dispensary; a high school and a women's rescue home.

ARYAN EDUCATION SOCIETY

75, Girgaum Road.

AIMS AND OBJECTS: Imparting Education. Cosmopolitan.

ACTIVITIES: Two High Schools and a Primary School in Bombay. One High School at Palghat. Out of 3,000 students, 150 are free.

BAI HIRABAI J. N. PETIT CHARITY BUILDING

189, Foras Road, Grant Road.

AIMS AND OBJECTS: Provision of accommodation for poor Parsi families. Sectional—for Parsis only.

ACTIVITIES: A chawl with 89 rooms with nominal rental. A nursery school for the children of the tenants.

BAI KABIBAI AND HANSRAJ MORARJI CHARITY TRUST

20, Holi Chakla, Fort.

ACTIVITIES: Bai Kabibai Hindu High School; Hansraj Morarji Public School; Kalyanji Ladha Charitable Dispensary; Morarji-Haridas Charitable Dispensary; Kabibai Boarding at Nasik; Hansraj Morarji Ghatkopar Sanatorium; Kabibai Dharamshala at Mathura; Kabibai Dharamshala at Nasik; Kabibai Sadavrat at Nalla (Kutch). Both the dispensaries give free medical aid to women and children of the locality. The Nasik Boarding provides for College students at Nasik, free of charge boarding and lodging.

BALVIKAS KENDRA

Subash Road, Vile Parle (East), Bombay 21.

AIMS AND OBJECTS: Promotion of Children's Welfare. Cosmopolitan.

ACTIVITIES: Nursery School by name Sou Ranabai Paranjape Bal-Mandir.

BHAGINI SAMAJ

Shri Maganlal Ghia Building, 225, Khetwadi Main Road, Bombay.

The Bhagini Samaj is a registered institution, started in 1916, in memory of Gopal Krishna Gokhale.

Following are the activities of the Samaj:—

- (1) The Chandanben Shah Seva Mandir, a welfare centre for Harijans at Bellasis Road. It conducts Nursery School, an Industrial and Literacy class for women, a Night class for boys and a Free Dispensary.
- (2) T. N. Malvi Bal Mandir which imparts training to children of middle class parents by the Montessori method. Sewing, Embroidery, Hindustani, English and Typewriting classes are conducted at the premises.
- (3) A Club for women and children.
- (4) A Library for women and children.
- (5) A Hostel at Rawal Building at Lamington Road for women in services.
- (6) Patrika—A monthly organ for propagating progressive views on women's problems.
- (7) A Hostel for Raniparaj girls (aboriginal tribes) at Udawa.

BHARATIYA SANSKRITI PARISHAD

(BHARAT CULTURAL SOCIETY)—24B, Hamam Street, Fort.

Centres : Delhi, Calcutta, Jaipur, Indore.**AIMS AND OBJECTS** : Education and Social Relief. Also development of Art. Cosmopolitan.**ACTIVITIES** : A night class for adults and historical tours. A school for children.*President* : Dr. Kalidas Nag, M.A., D.Litt. (Paris).*Founder Secretary* :—J. S. Lodha, B.Com., LL.M. (Lond.), A.C.A. (Eng.), F.C.A.**BOMBAY MAHILA SANGH**

C/o Servants of India Society, Sardar Vallabhbhai Patel Road.

AIMS AND OBJECTS : Welfare of women and children and social reform. Cosmopolitan.**ACTIVITIES** : A nursery school and a monthly bulletin "Sharanik Mahila" for employed women.**DAUGHTERS OF THE CROSS, LIEGE, BELGIUM**

St. Joseph's Convent, Bandia.

AIMS AND OBJECTS : Education and training of girls. Cosmopolitan.**ACTIVITIES** : Anglo-Indian High School; English teaching High School; An Orphanage and Primary School with 250 orphans.**GOCULDAS TEJPAL BOARDING SCHOOL**

Gowalla Tank.

This is more or less a Hostel for students, opened in 1885, and maintained by the G. T. Charities. Free of charge, it feeds, clothes and defrays all expenses of education of about 35 undergraduates till they become graduates of the Bombay University. It is situated at Gowalla Tank Road close to the Shri Laxminarayan Temple.

Superintendent :—Somabhai M. Patel, B.A.**GUJARATI HINDU STREE MANDAL**

Hiravati Hall, Tagore Road, Santa Cruz.

AIMS AND OBJECTS : Social and cultural welfare of women. Open to all women.**ACTIVITIES** : Classes in English, tailoring, sewing and machine embroidery, music and a Bal Mandir.*President* : Mrs. Gangaben Patel.**HINDI VIDYA PRACHAR SAMITI**

C/o Hindi High School, Ghatkopar.

AIMS AND OBJECTS : Imparting free education in primary section, including free books and clothes to poor pupils. Cosmopolitan.**ACTIVITIES** : A Hindi High School at Ghatkopar.**HINDU SEVAK SAMAJ**

C/o Mrs. Usha Khanwalla, Bulchand Nivas, Chowpatty Sea Face.

AIMS AND OBJECTS : Education of Untouchables, their uplift and welfare. Cosmopolitan.**ACTIVITIES** : Infant class at Walpakhadi, Mazagaon, in Municipal Chawls. A creche at the same place. Sarvajanik Middle School at Hill Side, Mount Road, Mazagaon.**MADRESA-E-MUHAMMADIAH**

Juma Masjid of Bombay, Bombay 2.

AIMS AND OBJECTS : Education. Cosmopolitan.**ACTIVITIES** : Two free primary schools, one for boys and one for girls at 27, Masjid Street, Bombay 3.**MODH VANIK BOARDING SCHOOL**(Shah Purbhudas Jeevandas Kothari and Shah Mulchand Vasanji)
4, Kohinoor Road, Dadar.

Established in November 1907, under the patronage of the two gentlemen whose names it bears.

The Institution gives poor and deserving students of the Modh Bania caste, boarding, lodging and means of higher education free.

The funds amount to Rs. 4,25,000 and the Institution now supports 31 students.

Trustees.—Dharamdas Samaldas Kothari, Mathuradas Narandas, Karsondas Bhagwandas and Mathradas Samaldas.**Hon. Secretaries**.—Karsondas Bhagwandas Patel and Mathradas Samaldas Kothari.*Superintendent*.—Nanlal Chunilal Rawal.**NAIGAM SOCIAL SERVICE SOCIETY**

16-A, B.D.D. Chawl, Naigam, Dadar.

AIMS AND OBJECTS : Welfare of residents of the locality. Cosmopolitan, for the residents of Naigam locality.**ACTIVITIES** : Nursery School, Adult Ladies' classes, Dispensary for women and children, play-centre for boys and girls and a small library.**NATIONAL TECHNICAL EDUCATION SOCIETY**

Zaratkar Tailoring College, Bhavan Shankar Road, Dadar.

AIMS AND OBJECTS : Promotion of technical education. Cosmopolitan.**ACTIVITIES** : A tailoring college in Dadar and another in Khandala Ghat, District Poona.**SHREE VILE PARLE KELAVNI MANDAL**

Dadabhai Road, Vile Parle.

AIMS AND OBJECTS : Spread of education. Cosmopolitan.**ACTIVITIES** : Primary School in Vile Parle.**SHISHU VIKAS MANDAL**

Shishu Vikas, Sion, Bombay 22.

AIMS AND OBJECTS : Provide education for small children by every possible means. Regional and cosmopolitan.**ACTIVITIES** : Montessori classes two with 10 children and Primary classes with 40 children.**ST. PETER'S BOYS' HOSTELS**

Mazagaon

AIMS AND OBJECTS : Education and training of destitute and poor boys. Cosmopolitan, though at first started for Anglo-Indian boys.**ACTIVITIES** : Hostels for boys, with accommodation for 140 including apprentices. Annual "Hostel Magazine".**VANITA VISHRAM**

Sardar Vallabhbhai Patel Road.

OBJECTS AND ACTIVITIES : To ameliorate condition of women in Bombay State and other places, to elevate their social status by arousing their interest and educating them in subjects tending to their moral, material and spiritual advancement and opening out for proper and suitable fields of work, usefulness and influence in Society.

The institution conducts Primary Teachers Training Colleges, Primary Schools and Ashrams at Bombay and Surat and a High School at Bombay.

About 1,600 students are taking education in the above Institutions without distinction of caste, creed or religion and there are 240 resident boarders.

Hon. Secretary.—Mrs. Kanta Khandwala, B.A., J.P.**WORKERS' EDUCATIONAL SERVICE LEAGUE**Municipal Central Urdu School Building, Mustan Tank Road,
New Nagpada Road, Bombay 8.

This Institution is conducting a Free Night High School at the Municipal Central Urdu School Building, New Nagpada, under a trained and qualified staff and also a Shorthand and Type-writing Class. Both of them are open to the working class of all the communities irrespective of caste or creed.

YOUNG MEN'S FREE NIGHT HIGH SCHOOL

179, Bazargate Street, Fort ; 200, Bora Bazar Street, Fort

Founded in 1945 to impart free education irrespective of caste or creed. *Officer-in-Charge*, D. P. Puthran; *Principal*, T. K. Banarji, B.A., B.T.; *Head Teacher (H-Sec.)*, S. Venkatraman, B.A., L.T.; *Head Teacher (Primary)*, U. Govind, P.T.C., *Asst. Teachers*, H. Madhava Rao, B.A., LL.B., B. S. Raiyani, B.Sc., B.T., G. B. Bangera, B.A., T. Upoor, N. Hebsur, B.Sc., H. R. Rao Sahitya Shrivani, P. S. V. Rao, N. N. Nalk, C. S. Uchilil, Bhoji Shetty, B. A. Poojari, S.T.C., N. Kanvathir, B.A., C. T. Sallan, B. M. Shetty, R. G. Bangera, V. K. Kunder, S. T. Suvarna, S. B. Kunder, S. B. Sallan, A. V. Puthran, R. S. Karkera, A. A. Bangera, G. R. Kauchan, S. K. Suvarna, Achari, M. Shrinivas, Jacob, B. A.

HOMES AND INSTITUTES FOR THE HANDICAPPED**ACWORTH LEPER HOME**

Matunga, Bombay.

President—P. R. Nayak, M.A., F.C.S.

Superintendent,—Dr. N. Figueredo, M.B.B.S., D.Hy.; *Assistant Medical Officers*,—Dr. S. D. Desai, M.B.B.S.; Dr. N. D. Kaddare, M.B.B.S.; Dr. J. C. Vyas, M.B.B.S.

The Home is maintained by joint contributions from Government and the Bombay Municipal Corporation. The management is under the direction of a Board consisting of 20 members.

The Home accommodates 306 lepers of all classes.

BLIND RELIEF ASSOCIATION

Botanwala Building, Kalbadevi Road, Bombay 2.

OBJECTS.—(1) To help the Incurable Blind and (2) to prevent Blindness.

(1) The N. S. D. I. Home for the Blind, Bombay. The Happy Home for the Blind, Bombay. Dadar School for the Blind, Shri Krishna Kumarsinghi School and Home for the Blind, Bhavnagar. Poona School and Home for the Blind.

(2) Free Eye Hospitals and Dispensaries at Bulsar, Bijapur, Surat, Chalisgaon, Poona and a small centre in Bombay.

The Association is dependent on donations from the public and several Charitable Trusts.

BOMBAY DUMB & DEAF INSTITUTION

Kakadwadi, Girgaon.

The Bombay Dumb and Deaf Institution was started in 1925. There are at present 50 Dumb and Deaf boys and girls who are given free education in writing, speaking and stitching. About 335 boys and girls have taken benefit of this Charitable Institution. Some of them are serving in Bombay. The Principal appeals to the Citizens of Bombay to help the Institution.

Principal :—S. N. Medhekar.

BOMBAY GO-RAKSHAK MANDALI OR THE SOCIETY FOR THE PRESERVATION OF HORNED CATTLE

Shet Mulji Jetha Kapad Bazar Hall, Bombay.

The objects are :—

- (1) To adopt all possible measures for the preservation of horned cattle such as Kine, Oxen, She-Bufferaloes and He-Bufferaloes which are very useful for cultivation and other purposes in India, and on which the welfare of the whole of India depends.
- (2) To make known to the people in different parts of the country by means of Lectures, Essays, Pamphlets and Newspapers the difficulties of agriculture arising from the slaughter of the above-mentioned cattle and the diminution of the means conducive to the well-being of the people and the deterioration of the general prosperity of the country. But in doing so such preachings as may tend to injure the religious feelings of anybody are strictly prohibited.
- (3) To make all possible endeavours to establish branches of the Society at different places in India. To open, and encourage the opening of, Gowshalas (Dairy Farms) at different places

as far as the financial state of the Society may permit, for the propagation of the breed of horned cattle, for bettering their condition and for securing such articles as may be produced from their milk.

- (4) For encouraging the cause and objects of this Society, to ask for assistance from Indian Princes, to adopt all possible means for preventing the slaughter of cattle, to memorialise Government on suitable occasions and to attend to other matters.

BOMBAY HUMANITARIAN LEAGUE

(SHREE JIVA DAYA MANDALI)—149, Shroff Bazar, Bombay 2.

In 1910 the late Sheth Lalubhai Deepchand Jhaveri established an organisation to carry on the work of educating the public in humanitarianism, with the following objects :—

- (1) To adopt means for protecting animals as well as birds and fish from all kinds of cruelty; (2) to educate public opinion as to the advantages of vegetarian diet from the points of view of health, economy and mercy; (3) to appeal to the authorities as well as the public to discontinue cruel customs and ceremonies; and (4) to take up strictly non-political questions of human welfare.

The League has secured 338 Patrons, among whom there are eleven prominent Princes. Besides these, there are several donors and life-members. The reserve and Trust Funds amount to Rs. 3,86,000.

The League issues a Gujarathi Monthly titled "Shri Jivadaya" and pamphlets under "Kendall Humane Publications".

BOMBAY INSTITUTION FOR DEAF-MUTES

Nesbit Road, Mazagon.

The Bombay Institution for Deaf-Mutes is essentially a school, being founded for the education of all deaf and dumb children, irrespective of sex, caste or creed. It is not an asylum or a hospital for defectives. Boys may be admitted as boarders or day-scholars, and girls as day-scholars only. It teaches : Speech; speech-reading and writing; arithmetic and geography; drawing; carpentry; leather craft; tailoring; needlework; physical culture; drill and outdoor games. Languages : English, Marathi and Gujarati.

Children below seven and above fourteen years of age are, as a rule, not admitted.

Weekly holidays and vacations as in normal schools in Bombay.

Orphans and very poor children are admitted free, as funds permit. Religion is taught to Catholic pupils only; and good conduct and morals strictly attended to.

Patron.—His Eminence the Cardinal Archbishop of Bombay.

President.—D. J. Ferreira, Solicitor and Notary Public, Bombay (Knight Commander of the Order of St. Sylvester), President of the Governing Board of Sophia College for Women.

Hon. Secretary and Principal.—J. B. St. John, M.A., LL.B., Advocate (O.S.).

BOMBAY PINJRAPOLE

Post Girgaon, Bombay.

This Institution being recognised as an Infirmary by Government maintains about 1,700 old, disabled animals and birds, annually giving them food, shelter and medical attention, in Bombay near Bhuleshwar (Head Office) and Bhilwandi, Raikha and Chembur (Branches).

TRUSTEES.—Sir Jamsetjee Jejeebhoy, Bart.; Sir Puroshotamdas Thakurdas, Kt.; Khimjee Shamjee, Chatrabhuj Gordhandas; Nariman Khurshedji Sunkook; Pheroze Rustomji Bharucha, Bar-at-Law, Bomanji Pherozeshah Seti; Pratapsinh Mathuradas; Ramdas Kulkarni, Lt.-Col. J. D. Kothawala, Tulsiidas Mulji Vishram; Devji Ratansay, Bhoglal Laharchand; Manooabhai Doongursi and Jivatlal Puriapasi.

VETERINARY ADVISER—Dr. V. S. Rao, G.M.V.C.

SECRETARY.—Dasharathlal Manilal Thaker.

BOMBAY PRESIDENCY WOMEN'S COUNCIL'S RESCUE HOME FOR INDIAN WOMEN

Rescue Home Premises, South Jail Road, Umerkhadi.

AIMS AND OBJECTS: Succour of fallen women and girls and shelter for them. Cosmopolitan.

ACTIVITIES: Rescue Home at Umerkhadi.

BOMBAY SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS

Including

BAI SAKARBAI DINSHAW PETIT HOSPITAL FOR ANIMALS

Petite Building, 350, Hornby Road, Fort.

The Society prevents the cruel treatment of animals and secures their welfare throughout Greater Bombay.

The Society also offers curative treatment to sick animals at the Bai Sakarbai Dinshaw Petit Hospital for Animals.

CHILD GUIDANCE CLINIC OF THE TATA INSTITUTE OF SOCIAL SCIENCES

Bai Jerbai Wadia Hospital for Children, Parel.

AIMS AND OBJECTS: Helping children who present difficulties of adjustment and psychological problems. Cosmopolitan.

ACTIVITIES: Treatment centre for children presenting difficulties of adjustment and habit, personality and behaviour problems. A laboratory for students of social work and students of child psychiatry. The Clinic is open every day and new cases are registered on Tuesdays and Fridays. Holds lectures for doctors. Also lectures before parent-teacher groups. Mental testing is done at the Clinic. The Clinic functions as part of the Tata Institute of the Social Sciences.

Officer-in-Charge.—G. R. Banerjee.

CHILDREN'S AID SOCIETY

83, Lady Hardinge Road, Mahim.

AIMS AND OBJECTS: Help to forward the operation of the Bombay Children Act, 1948 and to further the cause of correctional welfare of children in Greater Bombay.

ACTIVITIES: The David Sassoon Industrial School at Mahim. The objects of the School are the reformation of juvenile offenders and rehabilitation of the destitute and socially handicapped children.

The Remand Home, Umerkhandi. This was started in 1927 for temporary detention of destitute and delinquent children pending decision of their cases before the Court. At present 550 children inclusive of 130 girls are sheltered and provided with the necessities of life.

The Children's Home, Chembur. Established in 1939. It is a Home for the less fortunate children in addition to being a Home for destitute and delinquent children.

Home for mentally deficient children, Chembur. Established in 1940.

(For more details see under Homes for Destitutes)

COW PROTECTION AND BREEDING SOCIETY

Shri Gowardhan Sanstha (Registered), Wai, Poona & Bombay.

At Poona, the Sanstha has a model Dairy Farm of 150 acres, with "KASTURBA GOSHALA" the foundation stone of which was laid by Mahatma Gandhi. Its work, carried on modern lines, has been greatly appreciated by Mr. B. G. Kher, ex-Chief Minister and Raja Maharaj Singh, ex-Governor of Bombay. Cow's pure milk is supplied to the public. It has saved nearly 25,000 cows and bullocks and distributed them among farmers without charging any fee and has also helped them in every possible way.

DADAR SCHOOL FOR THE BLIND

Main Road, Dadar, Bombay 14.

The School was established in 1900 by the late Miss Anna Millard. It was opened during famine times, admitting blind of all age. It gradually developed into an educational institution. Its management has, since April 1, 1948, been with the Blind Relief Association of Bombay.

The School is the only school for blind girls and infants of pre-school age. It is a residential boarding school fully secular in character and charitable in conduct. It aims at making the children self-supporting and self-respecting citizens and helps them take, as contributive members, their rightful place in society.

General education is given up to Marathi Fifth Standard in all subjects. In special cases, however, it is extended through the high school. Extra-curricular activities, such as, scouting and girl-guiding, excursions, socials, musicals and dramatics, etc. are a part of education. Domestic science in practice is a special feature for girls, as gardening and kindred work is for boys.

Physical education plays an important part in the education of blind children who are normally slow in movements and sedentary in habits.

Social education is no less important in building character and personality. It has for objective elimination of certain inherent mannerisms in the Blind, which the sighted hardly overlook.

Vocational education comprises work on cane, sisal and other fibres, bead and other materials, knitting and sewing and occupational therapy. This consists for the present of making rugs, tea-cosies, string-bags, paper-work, etc.

Music, both vocal and instrumental, is by far the most wage-earning vocation for the Indian blind, and the school does its duty conscientiously in this regard. It can boast of an orchestral party, composed mostly of little girls.

Under the co-ordination scheme, sponsored by the Government through the State Council on Blindness, it is fast emerging as an exclusive institution for girls with co-education only up to Kindergarten Standard. Another scheme now under consideration is to open a section for a Sunshine Home Nursery School.

President.—Dr. M. Venkatrao; *Hon. Secretaries.*—Champaklal G. Modi, B.A., LL.B., J.P.; Smt. S. R. Potnis, B.A., LL.B.; Smt. Sudha V. Bhandarkar; *Principal.*—T. K. Ghosal, B.Com.

EDULJEE FRAMJEE ALBLESS LEPER HOME

(Trombay).

The Home admits lepers of every caste, colour and creed, who are housed, clothed, fed and medically treated free of charge. There is no interference with the religious belief of the inmates. It is available for all lepers whether from the State town or from the mofussil. It is maintained (a) from the proceeds of endowments made by several generous benefactors, (b) from Government grant, (c) from donations and subscriptions collected from charitably disposed ladies and gentlemen.

The Home is conducted by the Society of St. Vincent de Paul.

Address: St. Theresa's Church, Girgaum, Bombay 4.

HAPPY HOME FOR THE BLIND

52, B.D.D. Chawli, Worli.

AIMS AND OBJECTS: To reclaim poor blind boys and educate them. Cosmopolitan.

ACTIVITIES: A home for the blind, only for juvenile boys on an average 38 in all maintained.

HINDU WOMEN'S RESCUE HOME SOCIETY

(Shraddhanand Anath Mahilashram.)

King's Circle, Matunga (C. Rly.), Bombay.

The Women's Rescue Home Society was registered on the 22nd of December 1927 under Act XXI of 1860, with the following main objects:—

- To provide shelter for and render assistance to Hindu women in distress without any distinction of class or caste;
- To promote the welfare of poor and destitute Hindu Women and children and provide them with prompt relief in their distress;
- To impart to such women, as part of their education, moral and religious instruction of the Hindu Faith.

The Society is conducting the Shraddhanand Anath Mahilashram at Matunga.

Trustees.—The Hon'ble M. R. Jayakar, P.C.; Sheth Govindlal Shival Motilal; Sheth Rameshvardasji Birla; Velji Lakhamji Nappoo; Jayantilal J. Mulji.

President.—The Rt. Hon'ble M. R. Jayakar, P.C. *Chairman.*—Mrs. Tarabai Maneklal Premchand, J.P. *Vice-Chairman.*—N. H. Pandia, Solicitor, Rao Bahadur S. K. Dole and B. N. Bhagwat, Advocate.

Hon. Treasurer.—K. H. Dhamdhare. *Joint Hon. Secretaries.*—S. S. Navare, B.A.; B. V. Dhadphale.

The Society has its own buildings at Matunga built at a cost of Rs. 2,15,000. Its Rescue Home has been recognised as a Certified School by the Government of Bombay under the Bombay Children Act, 1948. The Bombay Government send to this Home female convicts under orders of conditional release. The Home has an industrial side where sewing, weaving and embroidery are taught. Most of the girls and boys go to outside Schools and Colleges for their education. The Society has a separate house to accommodate poor girl students with a view to making them self-supporting. The average number of inmates at the Ashram is 100 women and 105 children. The monthly expenses exceed Rs. 8,500.

LEAGUE OF MERCY FOR THE STATE AND DIOCESE OF BOMBAY

St. Thomas' Cathedral, Vir Nariman Street.

The objects are to help European and Anglo-Indian women and girls who are in distress and are unable to help themselves and to provide for children found destitute and neglected among evil surroundings.

President.—The Right Rev. the Bishop of Bombay.

Vice-Presidents.—The Venerable the Archdeacon Johnson, Christ Church, Byculla; The Rev. Canon C. A. Bolton, 19, Waudby Road.

Hon. Treasurer.—Canon C. A. Bolton (*Actg.*).

Hon. Secretary.—Mrs. Mewton, Somerset Cottage, Warden Road, Bombay 26.

LEGION OF MARY

St. Theresa Church, Girgaum.

AIMS AND OBJECTS: Moral and social uplift. Cosmopolitan.

ACTIVITIES: Regular and systematic visitation of homes, hospitals, prisons and houses of ill-fame. Visitation of unmarried mothers with a view to making suitable arrangements for them.

N. S. D. INDUSTRIAL HOME FOR THE BLIND

B.D.D. Chawl No. 52, Worli.

AIMS AND OBJECTS: Welfare of the Blind. The Home admits adult Blind above 18 years. The ultimate aim is to train the Blind in various industries and make them useful members of the society. The Blind are trained in industries like caning, weaving, book-binding, string bags making and music. The Home has an excellent orchestra of 20 blind inmates. It works under the auspices of the Blind Relief Association, Motawala Building, Kalbadevi Road, Bombay. There are at present 130 Blind inmates on roll.

Hon. Secretaries.—Capt. H. J. M. Desai, M.A., LL.B.; Lt. G. L. Nardekar.

POONA SCHOOL AND HOME FOR THE BLIND

Kandewadi, Girgaum, Bombay 4.

The Poona School and Home for the Blind was started in 1934 under the auspices of the Blind Relief Association. This institution is working in its own building at 14-17, Kreggaon Park (North), Poona. At present there are 45 blind students receiving free boarding, lodging and education in Braille, bidi making, weaving, music, vocal and instrumental at the hands of expert teachers. The students are admitted without any distinction of caste, creed or domicile provided they are between the ages of 8 to 16 years. Boys culprits sent by the Juvenile Courts are also admitted in this institution for training in Arts and handicrafts.

This institution is run mainly by donations from the public and the small grants received from the Education and Technical Departments of the Government of Bombay.

Honorary Secretary.—Dr. S. R. Machave, L.O.P.S., Kandewadi, Girgaum, Bombay 4.

PROBATION AND AFTER-CARE ASSOCIATION, BOMBAY STATE

B.I.T. Block No. 33, King's Circle, Matunga.

AIMS AND OBJECTS: To help prisoners after release from jails. To assist in the supervision of children placed on probation or under orders of Juvenile Court and who are released from certified schools under the Bombay Children's Act of 1924. To assist offenders discharged from the Borstal Schools in Bombay and undertake supervision of such offenders when discharged. Cosmopolitan.

ACTIVITIES: Work in Bombay city is carried on with the help of probation officers, who make inquiries in respect of adults and about children dealt with by Juvenile Courts, and help released children. Runs after-care hostels in Bombay, Ahmedabad and Hubli. The activities are conducted by the Local Government.

PROF. DATE'S CHARITABLE DEAF AND DUMB INSTITUTE

Kalaram Mandir, Thakurdwar Road.

AIMS AND OBJECTS: Education of the deaf and dumb. Cosmopolitan.

ACTIVITIES: Teaching in drawing, tailoring, needle-work and painting in addition to teaching them how to talk, read and write.

SHEPPARD AFTER-CARE ASSOCIATION

B.I.T. Block, No. 16, Matunga Road, King's Circle, Matunga.

AIMS AND OBJECTS: To give shelter and find job for boys discharged from the Children's Aid Society. Cosmopolitan.

SOCIETY FOR THE PROTECTION OF CHILDREN IN WESTERN INDIA

The Byramjee Jeejeebhoy Home, Matunga, Bombay.

The Society maintains two homes, one for girls and the other for boys at King's Circle, Matunga.

The Society did pioneering work of educating public opinion for the promulgation of Children's Act of 1924.

President.—Sir Rustom Masani, M.A.

Vice-Presidents.—Frank Oliveira, B.A., LL.B.; J. R. B. Jeejeebhoy.

Chairman.—Frank Oliveira, B.A., LL.B.

Hon. Secretaries.—Lady Masani; Lady Kanla; Mrs. G. B. Seervai; Diwan Bahadur Dr. J. S. Nemurker.

Hon. Treasurers.—J. R. B. Jeejeebhoy; N. B. Karanjia.

VICTORIA MEMORIAL SCHOOL FOR THE BLIND

Tardeo Road, Bombay.

Established in 1902 from the Victoria Memorial Fund, raised in memory of the late Queen Empress, and situated at Tardeo Road, Bombay.

It is both a School and a Hostel. There are at present on the rolls 70 boarders and four day scholars. Gujarati and Marathi reading, writing, arithmetic, object-lessons, music as well as industries such as cane-work, tailoring, paper bag making, massaging are taught. Besides, drill, gymnastics and moral instruction are also imparted. The School is housed in a beautiful property of its own at Tardeo Road, which has cost Rs. 2,40,000 with equipment.

The total funds, amounting to the face value of Rs. 1,82,000 are invested in Authorised Securities in the names of five Trustees.

The Institution gets a grant-in-aid from the Government and also a regular annual contribution from the Bombay Municipality.

President.—The Hon. Mr. M. C. Chagla, Chief Justice.

Hon. Secretary.—J. R. Shroff, B.A.

Principal.—K. N. K. Jussawala, B.A., B.T.

Matron.—Mrs. T. C. Kanikhetwala.

FORT OFFICE.—Sir Vithaldas Chambers, Apollo Street, Fort, Bombay.

HOMES FOR DESTITUATES

ANATH HINDU BAL SANGOPAN

(Children's Orphanage.)

Govind Keni Cross Road, Nalgaum, Bombay 14.

Started at Nalgaum by R. N. Rajput on the birthday of Mahatma Gandhi. A year later some ladies and gentlemen came forward as social workers and co-operated with Rajput in his social cause.

Aims and objects.—To provide facilities for free lodging, boarding, clothing and medical treatment including elementary, primary and secondary education to all helpless Hindu children of backward class especially to the children of Criminal Tribes such as Bhamtas, Phase Pardhis, Bhat, Kanjars, Mang, Garoodis, etc. To impart Technical and Industrial education to poor Hindu children with a view to turning out efficient artisans and technicians in various technological arts and crafts, who would in time prove to be an asset to the country at large. To provide shelter and render assistance to Hindu children in distress without any distinction of class or communities. To promote welfare of poor and destitute Hindu children and provide them with prompt relief in their distress. To impart to such Hindu children as part of their education, moral and religious instructions of the Hindu faith and prevent them, without compulsion from conversion to other faiths. To take up strictly non-political questions of welfare of Hindu children. To make all possible endeavours to establish branches of this Anath Hindu Bal Sangopan in different parts of the country. To do all such other things as are incidental or conducive to the attainment of the above objects.

How to help the Sangopan.—By supplying clothes; by giving scholarships to students; by paying boarding charges of one or many students; by supplying school books or fees; by becoming 'patrons', subscribers or members of the Sangopan; by giving articles such as furniture, vessels, etc., for domestic or kitchen use; by giving donation, sending gifts, etc., on auspicious occasions like marriages, thread ceremonies, etc. Patron: Rs. 100; Well-wishers: Rs. 50; Helper: Rs. 2 per month; Member: Rs. 1 per month.

BENE-ISRAEL HOME FOR DESTITUTES AND ORPHANS

Plot 92, Agripada, Jacob Circle, Bombay.

The objects of the Home are:—(a) To provide residence and support for destitutes and (b) to provide board, residence and education for orphans and other helpless children in the Bene-Israel Community.

The Home is managed by the following Trustees:—Benjamin A. Kasooiker (*Chairman*); B. D. Borgawker (*Hon. Secretary*); N. S. Chariker (*Hon. Treasurer*). The remaining Trustees are M. A. Jacob, M. Michael and M. J. Wasker.

BENEVOLENT SOCIETY OF BOMBAY DISTRICT

2, Duncan Road, opp. Imperial Bank of India, Byculla.

AIMS AND OBJECTS: Abolition of vagrancies and provision of food, shelter and clothing to the destitute. Cosmopolitan.

ACTIVITIES: Maintenance of Sir J. J. Dharamshala for the blind, crippled and destitute. With 230 rooms.

CHILDREN'S AID SOCIETY, BOMBAY

83, Lady Hardinge Road, Mahim, Bombay 16.

A quarter century has passed since the inauguration of Children's Aid Society, Bombay. Founded on the 1st May, 1927, the Society became the pioneer in child welfare work under the Bombay Children Act of 1924.

Until 1938, its activities were mainly restricted to managing a Remand Home and a junior certified school on the premises of what once was a jail and at present this institution is a major service centre for all handicapped children coming to it for help.

The Society in September, 1939 launched an experiment which aimed to give expression to new trends in Corrections, when it constructed at Chembur a major certified school on a cottage home plan. This plan aimed at providing the juveniles with conditions conducive to the development of their physical and mental well-being. The agency had in mind particularly the case of a juvenile from the predominantly rural area. The next two years saw the birth of a specialised institution for the care and treatment of the mentally deficient children, the only one certified school of its kind in India.

In July 1947, the management of a reformatory institution, viz. the David Sassoon Industrial School, whose origin dated back to the year 1843, came to be handed over to the Society.

Starting in 1927 with a budget of not more than Rs. 40,000 to take physical care of about 125 children, the Society today spends about a million rupees on the maintenance, training and re-habilitation of about 3,500 children and provides them with services and positive satisfactions of life. The agency thus helps 30 per cent of the total number of children being taken care of in the Bombay State.

OFFICE-BEARERS:

PRE-IDENT.—Shri Morarji R. Desai.

VICE PRESIDENT.—Shrimati Indumati Chimanlal Seth.

CHAIRMAN.—Prabhashanker R. Bhatt.

HONORARY SECRETARY.—Smt. Indrabai P. Joshi.

HONORARY TREASURERS.—Jannadas K. Kothari, Smt. Savitri K. Bajaj

Chief Officer and Secretary.—Dr. M. S. Sabnis.

FEMALE BEGGARS' HOME

Chembur.

AIMS AND OBJECTS: Training and employment of beggar offenders with a view to rehabilitation after expiry of detention. Cosmopolitan.

ACTIVITIES: Trades; tailoring; weaving; spinning; clay-modelling; paper bag making; brooms-making; gardening, etc. Recreational games, songs, etc. Two dispensaries—one for male beggars at the Receiving centre and the other for the inmates of the Home. Government Institution.

KING GEORGE V MEMORIAL

Infirmiry and Lady Dhunbai Jehangir Home for the Destitute.

The Infirmiry has been established with the object of relieving the Hospitals of the City of incurable patients occupying the beds. It has accommodation for 60 patients as also for 150 helpless and destitute beggars. It is also a Certified Institution under the Bombay Beggars Act and has accommodation for 300 crippled beggars.

Chairman.—Dr. E. Moses, M.D.; *Hon. Secretary.*—C. M. Desai, B.A., LL.B., J.P., 45-47, Apollo Street, Fort, Bombay; *Hon. Treasurer.*—K. S. Sethna, J.P., Royal Insurance Building, 14, Jamshedji Tata Road, Fort, Bombay.

LADY DHUNBAI JEHangIR HOME FOR THE DESTITUTE

[See King George V Memorial.]

NASSERWANJEE MANOCKJEE PETIT FUND FOR HELPING DESTITUTE INSANE ZOROASTRIANS

Petit Building, Hornby Road, Fort.

This Fund was started by the late Nasserwanji Manockji Petit, with a sum of Rs. 20,000 with the object of paying, from the interest accrued on that sum, the fees for admission into the Lunatic Asylum, Bombay, of poor and destitute Parsees suffering from insanity, and also their monthly charges. After the death of N. M. Petit, his widow, Bai Dinbai, made a further donation of Rs. 30,000 to the fund. Donations to the fund from the Parsi public are gratefully acknowledged. The total fund was Rs. 3,87,502-15-10 on 31st December 1952.

SHEPHERD WIDOWS' HOME

Byculla.

This Home was built with money bequeathed by Lt. Shepherd of the Indian Navy. It contains eleven rooms for widows, two rooms having been added in 1906 in memory of Mrs. Jane Houghland from a bequest made by her. A Ladies' Committee help to augment the existing available funds, in order that each widow shall receive a total monthly allowance of Rs. 50 excluding any private source of income.

Chairman.—Venble A. S. H. Johnson.

Honorary Secretary.—Mrs. D. Leach.

SOCIETY OF N. SRA. DA PIEDADE

"Casa Piedade," Hatibaug, Love Lane, Mazagon.

Society's Asylum.—"Casa Piedade," Hatibaug, Bombay 10.

OBJECTS.—To assist the needy and destitute, irrespective of caste or creed, and improve the moral condition of the poor under its charge. The Society's Soup Kitchen supplies free meals to the poor. Monthly subscriptions and donations will be gratefully received.

ST. CATHERINE'S HOME

Ambivli, Off Versova Road, Post Ambheri.

AIMS AND OBJECTS: Rehabilitate fallen women and rescued girls and educate court committed and other children. Cosmopolitan.

ACTIVITIES: A Home at Ambivli with 6 Departments. 1. Nursery for illegitimate babies. 2. Cottage for children too big for nursery but not big enough to join school. 3. St. Anne's Home for court committed and other children of school-going age. 4. St. Agne's—Protective girls. 5. St. Margaret for rescued women. 6. Magdala for fallen women and girls.

ORPHANAGES AND FOUNDLING HOMES

ABDULLA DAWOOD BAWLA MOHAMEDAN FEMALE ORPHANAGE

11, Chinchpokli Road.

AIMS AND OBJECTS. Education of destitute and orphan Muslim girls. Sectional—for Muslim girls only.

ACTIVITIES: An orphanage for 50 girls with free boarding, lodging and education. Admit Juvenile Court cases. Strict Purdah observed.

BAI AVABAI FRAMJI PETIT PARSI GIRLS' ORPHANAGE

31, Pali Hill, Bandra.

AIMS AND OBJECTS: To provide a home and education of a practical kind for Parsi girls, orphaned or destitute or for girls in villages where there are no schools.

ACTIVITIES: The Orphanage accommodates 175 girls. Gives besides, academic education, training in domestic science, home nursing, etc.

BARBHAYA VANIK BALA ORPHANAGE

Godhbunder Road, Ville Parle.

AIMS AND OBJECTS: Education of orphans and semi-orphans.
ACTIVITIES: An orphanage for 20 girls.

CURRIMBHOY IBRAHIM KHOJA ORPHANAGE

Telang Road, Matunga, Central Railway.

AIMS AND OBJECTS: Education of poor Khoja boys and orphans. Sectional—for Khoja boys only.

ACTIVITIES: An orphanage for 11 boys, providing free boarding, lodging and education and 22 as paying boarders.

CUTCHI MEMON ORPHANAGE FOR BOYS

8, Jakeria Masjid.

AIMS AND OBJECTS: Education of poor Cutchi Memon boys and orphans.

ACTIVITIES: An orphanage for 42 boys, providing free boarding, lodging and education.

FIDAI ACADEMY

Fidai Baug, Murazban Road, Andheri.

AIMS AND OBJECTS: Educating the poor and the orphan boys—open to all communities.

ACTIVITIES: Conducting a primary and secondary school in the Academy premises. Providing the inmates with facilities of education, food, accommodation, physical training, etc. The boys on attaining majority are helped in finding vocations of their liking. Affairs managed by a committee of fifteen members.

FIDAI GIRLS ORPHANAGE

Fidai Baug, Murazban Road, Andheri.

AIMS AND OBJECTS: Education of poor Khoja Ismaili girls, and orphans.

ACTIVITIES: An orphanage for 30 girls, providing free boarding, lodging and education. Also classes in cookery, sewing and embroidery, etc.

HAJI ZACKARIA HAJI AHMED PATEL MUSLIM ORPHANAGE

170-176, Kambekar Street.

AIMS AND OBJECTS: Education of Sunni destitute boys and orphans. Also of boys from Africa, etc.

ACTIVITIES: An orphanage for 68 boys with free boarding, lodging and education. Juvenile court cases admitted.

HASHIMIA BOARDING HOUSE

Jackeria Masjid Street.

AIMS AND OBJECTS: Education of Muslim orphans and poor boys, Sectional—for Muslims only.

ACTIVITIES: An orphanage and boarding school for boys between the ages of 5 and 17. Children of poor parents also provided with free boarding and lodging. 40 boarders. Boys given training in hand-work and crafts.

JENABAI FAZALBHOY HABIBBHOY ORPHANAGE

20, Dondad Cross Lane.

AIMS AND OBJECTS: Education of Muslim orphan boys. Sectional—for Muslim boys only.

ACTIVITIES: An orphanage for 34 boys who are given free boarding lodging and education.

J. N. PETIT PARSI ORPHANAGE

28, Bund Garden Road, Poona.

BOMBAY OFFICE: N. M. Petit Charity Fund, Petit Building, Hornby Road.

The Institution was founded in 1888 and is situated in commodious premises in Poona. The courses of instruction are both academic and technical. Admissions are made by the Committee of Management. All applications for admission must be made on forms of application obtainable from the Secretary in Bombay.

President.—Sir Dinshaw Petit, Bart.

Secretary.—D. S. Buhariwalla.

Director.—Adam A. Mackay.

KHOJA GIRLS ORPHANAGE

125, Jall Road East, Habib House, Bombay 9.

AIMS AND OBJECTS: Education and Rehabilitation of poor Khoja girls and orphans.

ACTIVITIES: School education upto S.S.C. and domestic Arts. Deserving cases are given further Vocational Training. On marriage girls are given furniture, clothes and jewellery.

LADY NORTHCOTE HINDU ORPHANAGE

No. 7, Chowpatty Road.

This institution during its existence for the last 49 years has maintained and trained thousands of orphans. Some of the past students have become prominent figures. The institution through its training tries its level best to divert their lives into being the best of human beings.

The institution supports about 200 orphans throughout the year and imparts to them literary as well as industrial training at a gross annual cost of Rs. 75,000.

MUSLIM BOYS ORPHANAGE

89, Kambekar Street.

AIMS AND OBJECTS: Education of Muslim destitute boys and orphans. Sectional—for Muslim boys only.

ACTIVITIES: Free boarding, lodging and education of 27 boys.

MUSLIM GIRLS ORPHANAGE

69, Kambekar Street.

AIMS AND OBJECTS: Education of destitute Muslim girls and orphans. Sectional—for Muslim girls only.

ACTIVITIES: An orphanage with 50 girls, providing free boarding, lodging and education, including housekeeping, and domestic training.

NASSERWANJEE MANOCKJEE PETIT CHARITY FUND—(1888)

359, Hornby Road, Fort.

This Fund was founded by the late Nasserwanjee Manockjee Petit for various charitable objects concerning the Parsis. It consists of Jamsetjee Nasserwanjee Petit Parsi Orphanage, Poona; Nasserwanjee Manockjee Petit Fund for helping destitute insane Zoroastrians; Dinubai N. M. Petit Chawls for poor Parsis, Baram Street, Bombay; Avanbai Framji Petit Chawls for poor Parsis, Baram Street, Bombay; The Nasserwanjee Manockjee Petit Sanatorium, Bhiampur; The J. N. Petit Sanitarium, Bori; Nasserwanjee Manockjee Petit Widows' Home, Mody Street; Hamabai M. Petit Widows' Home, Thakurdwar; N. M. Petit Poona Hall and Fire Temple, Poona, and 31 miscellaneous funds in Bombay and other places. The Fund is managed by a Committee composed of some of the leading Parsi citizens of Bombay.

RANCHHODDAS CHATRABHUI CUTCHI LOHANA BAL ASHRAM

63, Parel Road, Chinchpokli, Bombay 12.

AIMS AND OBJECTS: Education of destitute children and orphans. Sectional—confined to Cutchi Lohanas.

ACTIVITIES: An orphanage for 150 children with free boarding, lodging and education.

ST. ANTHONY'S HOME

Bellasis Road, Byculla.

The Home maintains: A Creche for abandoned and destitute babies; a Home for orphan and destitute children; a kitchen for the poor where free meals are given daily, irrespective of caste or creed.

St. Anthony's Girls' High School, a Boarding and Day School upto S. S. C., Special Kindergarten and Commercial classes.

ST. FRANCIS ASSISI ORPHANAGE

Mount Poinaur, P.O. Borivli.

This Orphanage, one of the biggest in the State, with 500 little orphans, has no funds whatever and is supported by the daily donations of charitable people. There is an English-teaching school up to the XI standard, besides workshops for carpentry, printing, tailoring and statue-making. The Orphanage is conducted by the Franciscan Missionary Brothers under the Jurisdiction of the Archdiocese of Bombay. **SUPERIOR.**—Rev. Brother Leonard.

ST. JOSEPH'S HOME AND NURSERY

Reynold's Road, Byculla, Bombay 8.

The Home was opened in 1874 and transferred to its present premises in 1915.

Object.—To receive and shelter foundling babies and destitute orphan children, without distinction of caste or creed. The Home is entirely dependent on the Archdiocese of Bombay under the patronage of His Eminence Cardinal Gracias, and on subscriptions and donations from the charitable public in and outside Bombay.

AMBULANCES**BANDRA NURSING DIVISION**

C/o St. John Ambulance Brigade Overseas.

Hours of work—24 hours.

BOMBAY CITY AMBULANCE CORPS

205, Khetwadi Main Road. (Tel. 71120).

Pirbhoy Mansion, Sardar Vallabhbhai Patel Road. (Tel. 70410).

AIMS AND OBJECTS: Training in Ambulance work. Maintenance of an Ambulance Corps. Cosmopolitan.

ACTIVITIES: Ambulance Service for 24 hours. Lectures and demonstrations for volunteers, in First Aid, etc.

BOMBAY NORTH AMBULANCE CORPS

Kasturchand Mills' Estate, Dadar.

AIMS AND OBJECTS: To run an Ambulance Service for Bombay City and particularly Dadar area. Cosmopolitan.

ACTIVITIES: To run an X-ray Clinic. Free Dispensary and Nursing Home at Moderate Charges. Ambulance service for all 24 hours and the whole week—free or on a nominal charge.

BOMBAY SUBURBAN MEDICAL AND RELIEF SOCIETY

C/o The Jasmine Ladies Welfare Union, Turner Road, Bandra.

AIMS AND OBJECTS: Medical aid for the poor. Cosmopolitan.

ACTIVITIES: Maintenance of an ambulance car available for 24 hours of the day. Supply of food, milk and medical amenities of the needy. Education in health.

BOMBAY SUBURBAN SOCIAL SERVICE LEAGUE AMBULANCE

C/o Verbal H. Mehta, Jayant Villa, 11th Road, Khar.

AIMS AND OBJECTS: An ambulance service in the suburbs of the city between Borivli and Bombay. Cosmopolitan.

INDIAN RED CROSS SOCIETY

(Bombay State Branch).

141, Mint Road, Fort.

President.—The Governor of Bombay.

Chairman.—Dewan Bahadur K. M. Jhaveri, M.A., F.L.B.

Hon. Secretary.—Dr. J. N. Vazifdar, M.B.B.S., M.C.P.S.

Hon. Treasurer.—O. W. Middleton.

General Secretary.—Capt. Khan Bahadur N. J. Vazifdar, M.B.B., L.M. & S., F.C.P.S., F.C.S. (Lond.), J.P.

J. J. HOSPITAL AMBULANCE

J. J. Hospital, Bombay 8.

Intended for carrying patients from or to their hospital only. Hours of work—8 a.m. to 8 p.m. (Tel. 71103).

KING EDWARD MEMORIAL MEN'S INDUSTRIAL HOME

(The Salvation Army).

122, Ripon Road, Byculla.

Brigadier C. C. Draper, A.B.S.C., Social Secretary.

MUNICIPAL AMBULANCE DEPOT

(For Infectious Diseases)

Arthur Road.

Telephone: 40500 or 41242.

Hours of Work—24 hours.

Free for Infectious diseases within Greater Bombay and on payment of usual charges outside. "Dead Body Removal" Service on usual charges within Greater Bombay and outside.

MUNICIPAL AMBULANCE DEPOT

(For all other purposes)

Byculla.

Hours of Work—24 hours.

N. WADIA MATERNITY HOSPITAL AMBULANCE

Parel.

Intended for carrying patients from or to their hospital only. Hours of work—24 hours.

S. S. BALSEKAR MEMORIAL AMBULANCE SERVICE

(Tel. 44808.) Talmakiwadi, Tardeo, Bombay 7.

Object.—To run and maintain ambulances; to render all possible help to suffering humanity.

Chairman.—A. S. Padukone.

Hon. Secretary.—Dr. B. P. Divgi.

Joint Hon. Secretary.—V. S. Hattangadi.

Hon. Treasurer.—N. G. Chhayaker.

ST. JOHN AMBULANCE ASSOCIATION

BOMBAY STATE CENTRE

Main objects of the St. John Ambulance Association:—

The organisation of Ambulance Corps, Invalid Transport Corps and Nursing Corps. And generally the promotion of instruction and carrying out works for the relief of the suffering, of the sick and injured in peace and war independently of class, nationality or denomination.

President.—The Governor of Bombay.

Chairman.—Col. Sir J. N. Duggan, K.B.E., C.I.E., D.O. (Oxon.).

Hon. Secretary.—Capt. N. J. Vazifdar, M.B.E., L.M. & S., F.C.P.S., F.C.S. (Lond.), J.P.

Office Address.—141, Mint Road, Bombay 1.

ST. JOHN AMBULANCE BRIGADE (INDIA)

No. 3 District, Bombay.

District Headquarters.—Red Cross and St. John Ambulance Building, Town Hall Compound, Fort, Bombay.

Commissioner.—Col. Sir J. N. Duggan, K.B.E., C.I.E., D.O. (Oxon.);

District Surgeon.—Capt. F. N. Kapadia, M.D.; **District Superintendent.**—Capt. Khan Bahadur N. J. Vazifdar, M.B.E., L.M. & S., F.C.P.S., F.C.S., J.P.; **District Superintendent, Nursing Division.**—Mrs Khorshed N. Kalyanilala.

ST. JOHN AMBULANCE BRIGADE (INDIA)

COSMOPOLITAN DIVISION

Registered 1st April 1914. Divisional Headquarters—Sir Byramji School, opposite Charni Road Station, Bombay. **President:** Lt.-Col. J. D. Kothawala, C.S.J., J.P., A.I.R.O. (Retd.); **Divisional Superintendent:** S. P. Raue, S.B.S.J., S.T.C., 141, Mint Road, Fort, Bombay 1.

Objects:—

- To afford holders of First-Aid Certificate from the St. John Ambulance Association opportunities of meeting together with Ambulance and Nursing Brigades with the object of combining individual efforts for the public good.
- To render First-Aid to the sick and the injured on public occasions, and to maintain in readiness a body of trained men qualified so to act.
- To enroll a body of civilians qualified in First-Aid and trained in ambulance drill, willing to supplement the public medical services in cases of natural disasters such as earthquakes, fires, floods, explosions and also in cases of riots and civil disturbances.
- To train men in Ambulance Transport duties.
- To develop and promote every means of rendering aid to the sick and the injured.

ST. JOHN AMBULANCE BRIGADE OVERSEAS

MUSLIM AMBULANCE DIVISION

152-154, Kambekar Street, Zakeria Masjid. Phone No. 70145.
Divisional Surgeon.—Dr. G. R. Shalkh, B.Sc., M.B.B.S.

Divisional Superintendent.—Khan Saheb M. I. Baig, Mastanshah Baugh, Dintimker Road, Bombay 8.

AMBULANCE OFFICER.—Shareef Abdul Hameed, Parkar Chambers, Khandia Street, Bombay 8.

The Muslim Division of the St. John Ambulance Brigade is a benevolent organisation having 30 active members on the roll, who devote their spare time to alleviate the sufferings of the sick and the injured.

ST. JOHN AMBULANCE BRIGADE OVERSEAS

MUSLIM NURSING DIVISION

152-154, Kambekar Street, near Zakeria Masjid. Phone No. 70145.

Divisional Surgeon.—Dr. H. Y. Khwaja, M.B., L.R.C.P., F.R.C.S. (Eng.), D.L.O. (Lond.).

Lady Divisional Superintendent.—Mrs. Khadija Shuffi Tyabji, J.P.

Lady Ambulance Officer & Lady Divisional Secretary.—Mrs. Sultana Fazlehusain.

The Muslim Nursing Division is an organisation having 20 active members on its roll, who devote their spare time to alleviate the sufferings of the sick and invalids.

ST. JOHN AMBULANCE BRIGADE OVERSEAS

Parsi Division

Lady Willingdon Building, 1,
 Mahatma Gandhi Road, Fort, Bombay.

The Parsi Division of the St. John Ambulance Brigade Overseas is a benevolent organisation of 105 members who work in the interest of the old Order of Chivalry—of which King George VI was the Sovereign Head and Patron. They devote their spare time to alleviate the sufferings of the sick and the injured.

Members are required to fulfil the condition of "Efficiency" every year as per Regulations, hence the membership is a passport and qualification to undertake first aid duty. They attend open air Public Gatherings, Public Ceremonies or Processions, Elections, Reviews, Shows, Football, Cricket, and Hockey Matches, Exhibitions, Races, Sports, Places of Amusements, Railway Accidents, Fires, Disturbances, Strikes, House Collapses, etc., and on occasions where large bodies of people are present and where there is a probability of accidents occurring. During the Bombay Docks Explosions on 14-4-1944 and two months after when demolition work was going on, members rendered "excellent service" as characterised by Military and Naval Authorities.

The Division has extended its activities by holding Health, Maternity and Infant Welfare Exhibitions, jointly with the Parsi Nursing Division, with free admission to all, to educate the public mind on health rules. The first Exhibition was held in April 1933 and the last in May 1938. It was visited on each occasion by more than 50,000 citizens of Bombay and Suburbs, as it was kept open for nine days each time. They also held an A.R.P. Exhibition for nine days in March 1942 to make the public air minded and it was equally successful. The Division also organised classes for Air Raid Precautions. More than 12,000 persons had been trained in the subject. This includes A.R.P. Instructors, A.R.P. Personnel, Fire Fighters, Anti-Gas Cleansing Personnel, etc. Members had also volunteered their services as A.R.P. Volunteers on First Aid Posts as well as for military evacuation duty in World Wars Nos. 1 and 2.

REMOVAL OF SICK AND INJURED.—The Division possesses three very comfortable Motor Ambulances and has a sufficient number of members qualified in Invalid Transport and renders service to remove the sick and the injured to Hospitals, Railway Stations, Sanatoria, X-Ray Rooms, day and night as far as possible.

The Division also started a Cadet Division in 1925, which has proved a good feeder to the parent Division.

The Division is maintained by Donations from the Parsi Community as a Society.

It is the first Division in India to have a building of its own called Lady Willingdon Building, opened on 9th April, 1932, by Sir Frederick Sykes, the then Governor of Bombay.

SWASTIK LEAGUE

Seth Varjivandas Motilal Swastik Mandir, Vithalbhai Patel Road, Bombay.

Ambulance Service Tel. No. 70232.

THE AIMS AND OBJECTS FOR WHICH THE SOCIETY IS ESTABLISHED ARE:—

- Instruction on scientific lines in Physical culture and discipline by means of various kinds of athletic and open air sports and pastimes, drills and parades and by other means.
- Promotion of moral and intellectual development of its members and of an *esprit de corps*.
- Bringing together persons of the various communities and creating and fostering in them feelings of good-will, brotherhood, peace and co-operation.
- Fostering and encouraging the spirit of practical benevolence and social service *inter alia* by establishing and maintaining an Ambulance Corps, by conducting First Aid and Home Nursing Classes and by other means.
- Diffusion of useful knowledge relating to the objects of the Society by means of oral instruction, publication of literature calculated to advance the said objects, holding demonstrations, etc., and making its members fit for the duties and responsibilities of citizenship.

President.—The Rt. Hon'ble Dr. M. R. Jayakar, M.A., LL.B., Bar-at-Law, F.C., D.O.L.

Vice-Presidents.—Mr. Justice P. B. Gajendragadkar, Seth V. M. Saraiya, B.A., Dr. K. S. Mhaskar, M.A., M.D., D.P.H., Seth Jannadas Mughji Vallabhdas, Prof. V. G. Rao, B.A., Bar-at-Law, O.A., J.P. and D. J. Nanavaty, B.A., LL.B. (Advocate)

Chairman.—M. V. Jayakar, B.A., LL.B., Solicitor.

Jt. Honorary Secretaries.—M. W. Pradhan, B.Sc., LL.B., Advocate S. G. Rane, B.A., LL.B.

Jt. Hon. Treasurers.—Dr. V. P. Kamat, M.B.B.S. and G. D. Lovalekar.

CONVALESCENT HOMES AND SANATORIA

BAI SHIRINBAI MANCHERJI CAMA CONVALESCENT HOME

56, Beramji Jijibhoy Road, Bandra

AIMS AND OBJECTS: To provide opportunities for recovery to Parsi males, females and children. Sectional—confined to Parsis only.

ACTIVITIES: A Home for convalescent women and children at Beramji Jijibhoy Road, Bandra. A Home for convalescent males at Bandra, and a Convalescent Home at Matheran for Females and Children. (Tel. 89527).

BEL-AIR SANATORIUM

Managing Trustee.—Dr. R. B. Billimoria,
 Wassilamal Building, Charni Road Junction.

AIMS AND OBJECTS: Relief and treatment of tubercular patients. Cosmopolitan.

ACTIVITIES: A sanatorium fully equipped at Panchgani with a number of free beds for all communities. Also equipped with modern medical and surgical treatment including lung resection.

BILL NURSING HOME

Dadar.

Chronic bed-ridden cases, the aged and the infirm, whose diseases or disabilities have become incurable and are refused admission to other Hospitals are admitted to this Nursing Home, so as to afford relief to the members of the family of such patients.

This Home has now acquired three Plots of land at Dadar-Wadala under the Bombay Municipality Scheme. A public charitable Trust has been made, of this Home. Two of these three Plots will be occupied for erecting different Wards including Homeopathic, Ayurvedic, Natural Therapy, Obstetrical, Surgical, etc., in addition to Allopathic, for the future use of this Institution and the third Plot for building an Infirmary Home to enlarge the sphere of its present services for the aged and the infirm and thereby to fulfil a long felt want.

Hon. Principal Medical Officer and Managing Trustee.—Dr. M. C. Bilpodiwala, M.B.B.S., J.P.

BOMBAY STATE ANTI-TUBERCULOSIS ASSOCIATION

Red Cross Building, Mint Road, Fort.

Aims:—To give financial help to institutions treating tuberculosis, to do propaganda work for the prevention, study, control, relief and treatment of tuberculosis.

Runs Organised Home Treatment Clinic No. 40, Municipal Chest Hospital, Sewri.

Membership:—Annual: Rs. 5; Life: Rs. 100.

CONSUMPTIVES' HOMES SOCIETY

Seva Sadan, Gamdevi, Bombay 7.

FOUNDERS.—The late B. M. Malabari and Dayaram Gidumal; **Patrons.**—H. H. The Maharaja of Patiala, and Lady Navajbai Ratan Tata.

Hon. Secretaries.—J. F. Kotwal; Jal M. Dotiwalla
Hon. Treasurer: P. F. Taraporevala.

The main object of the Society is to establish Sanatoria for consumptives. At present its activities are mainly confined to King Edward Sanatorium at Dharampur, R. S. (Simla Hills), with accommodation for over 110 beds—paying, part-paying and free. The treatment is carried out along modern methods—including major surgery of chest—and it has a fully equipped Operation Theatre, a Laboratory, X-rays Apparatus, Central Kitchens—to cater for all classes of patients. There is a very commodious Recreation Hall with facilities for several indoor games, dramatic theatre, musical instruments and a library of books in several languages.

Ag. Medical Superintendent.—Dr. D. S. Sethna, M.B.B.S., F.C.P.S.; **Senior Asst. Medical Officer.**—Dr. Miss Zita Nobre, M.B.B.S.; **Junior Asst. Medical Officer.**—Dr. J. L. Bhatia, M.B.B.S.

FRAMJEE DINSHAW PETIT PARSİ SANATORIUM

Cumballa Hill.

ACTIVITIES: A sanatorium for the benefit of convalescent Parsis. **Office.**—359, Petit Bldg., Dr. Dadabhai Navroji Road, Fort, Bombay 1.

KARLA SANATORIUM FOR TUBERCULOSIS, KARLA

(Founded by Sir Bhachandra Krishna, Kt., in 1912.)

OFFICE:—Sir Bhachandra's Bungalow, Girgaum.

This Sanatorium for Tuberculosis at Karla near Lonavla (Poona District) is established for the use of people who may be suffering from Tuberculosis and who may desire to take the benefit of an open air Sanatorium. Accommodation: 18 paying patients and 14 non-paying poor patients. The Khatau Makanji Convalescent Home consisting of two blocks, intended for non-tubercular convalescents is located near the Sanatorium and is under the supervision of the Sanatorium authorities. This institution is purely charitable and is conducted on funds raised for the purpose, and appeals to the public for further help.

PECHEY PHIPSON SANITARIUM FOR WOMEN AND CHILDREN, NASIK ROAD

OFFICE:—6, Apollo Street, Fort.

Objects.—To provide accommodation on the healthy plains of the Deccan for poor women and children resident in Bombay who are in need of a change of climate and whose circumstances do not admit of their taking a house. The cottages are let furnished to families for one month at a charge of Rs. 35 for a large cottage and Rs. 25 for a small cottage to cover Ramoshee, Bheestie, and Halakhore taxes.

TUBERCULOSIS CONTROL

(Bombay Municipal Corporation)

Out-patients are treated on all working days at the clinics at—
Princess Street:—8 to 11 a.m. and 4 to 6 p.m.

Foras Road:—8 a.m. to 12-30 p.m.

Lalbaug:—4 to 6 p.m.

Inpatients are admitted at the Group of Hospitals for Tuberculosis at Sewri as per the waiting list of patients maintained at the Princess Street Clinic.

DISPENSARIES

BOMBAY HOMŒOPATHIC ASSOCIATION'S DISPENSARIES

I. 311, Tardeo Road, Nana Chowk, Bombay 7 (main dispensary).

II. Jamnadas Mody Kapol Nivas, 84, Cavel Street (near Ramwadi Eye Hospital).

At these two institutions, medical advice is given gratis to all patients without any distinction. With a view to enlarging its sphere of activities, meeting expenses and creating a College and Hospital Fund, the Association levies a nominal charge of one anna per day's medicine (2 annas for adults at the main dispensary). Donations from public are gratefully accepted.

FORT GRATUITOUS DISPENSARY

Ravellin Street, opp. Excelsior Cinema.

This Dispensary is supported by endowment funds and voluntary contributions. There are special Eye, Dental, Gynaecological and Ear, Nose and Throat Departments under well-known specialists. Medical advice, medicines, spectacles and dressing are supplied free to poor patients of all castes and creeds.

Managing Committee.—Rustom S. Powvala, J.P., *Chairman*; **Members.**—K. S. Powvala, Dr. K. P. Mody, Dr. Dadiba N. Saher, Dr. Jai R. Patel, Sir Shapurji B. Jhilmoria, Kt. and Rustom Jivanji Mody, Bar-at-Law, *Hon. Superintendent*; Maj. Dady F. Vachha, *Secretary*.

First Medical Officer.—Dr. P. F. Masani, M.B.B.S., L.R.C.P. (London).

Second Medical Officer.—Dr. R. S. Sidhwa, B.Sc., M.B.B.S.

Ophthalmic Surgeon.—Dr. B. H. Pesikaka, D.O.

Gynaecologist.—Dr. (Mrs.) T. J. Padshah.

Dental Surgeon.—Dr. J. D. Kapadia, D.D.S. (America).

Ear, Nose and Throat Specialist.—Dr. Kurshed J. J. Cursetji, B.A., M.B.U.S., B.Hy., M.R.C.S. (Eng.), L.R.C.P. (Lond.).

GIRDHAR JIVA CHARITY TRUST

88, Dadyseth Agiary Lane, Bombay 2.

HIZBUL-HUDA

Tyabji Manzil, Dharamsey Lane,
Ibrahim Rahimtoolla Road.

AIMS AND OBJECTS: Free supply of articles in obsequial ceremonies. Medical help to needy patients.

ACTIVITIES: Managing graveyards, running a dispensary and giving medical aid and general relief to members of all communities on occasions like riots.

KESARBAI CHARITY TRUST

88, Dadiseth Agiary Lane, Kalbadevi Road.

AIMS AND OBJECTS: Medical relief for Hindu ladies and children and for Hindus generally. Sectional for Hindus.

ACTIVITIES: Free Dispensary for Hindu ladies and children and free Eye Clinic for Hindus.

SANTA CRUZ RESIDENTS' ASSOCIATION CHARITABLE DISPENSARY

Ghodbunder Road, Santa Cruz.

AIMS AND OBJECTS: Free medical treatment to residents of the region. Cosmopolitan—regional.

ACTIVITIES: The Dispensary is open on all days except Sundays between 8-30 to 11-30 a.m. and 4-30 to 6-30 p.m.

HOSPITALS

ADAMS-WYLIE MEMORIAL HOSPITAL

Wylie Road, Post Jacob Circle.

This Hospital for the poor was built and equipped by Mrs. Adams-Wylie in 1902 in memory of the late Lieut. C. H. B. Adams-Wylie, I.M.S., who died at Bloemfontein in 1900. The very poor only of all castes and communities are admitted for treatment. The Hospital has a Dispensary for outpatients.

ALBLESS OBSTETRIC HOSPITAL

Cruickshank Road, Fort.

This Hospital is in the compound of the Cama Hospital and under the management of the Medical Staff of the latter. It was built through the liberality of the late Mr. Bomanjee Eduljee Albless and was opened in 1890. It is a Civil Hospital under Government.

The Cama and Albless Hospitals are treated as one Institution. These together contain 155 beds, of which the maternity beds number 88. There is one combined Medical Staff for both.

AYURVEDIC HOSPITAL

Savitribhuvan, 87, Mughibhat Street, Bombay 4.

Meant for all classes, irrespective of caste, creed, sex or race. Treatment is given on the lines of Ayurvedic system of Medicine, excluding that of surgical and eye cases.

It has accommodation for 20 beds out of which 10 are allotted to Maternity and the rest for general—including minor surgical and eye cases. There is also an Outpatient Department.

Partly charitable. Payment is asked according to the means of the patient.

There is a small Operation Room for delivery, eye and other minor operations.

The hospital is conducted by the Society named Ayurvediya Prasarak Mandal. (Tel. 25728).

General Secretary.—Dr. T. R. Naravane, A.V.V., L.M.Z.G.S.

Doctors and Vaidyas.—Vaidya G. M. Abhyankar, *Physician*. Vaidya J. R. Joshi, A.V.V. (Tilak), *Resident Medical Officer*; Dr. D. G. Shidore, M.C.P.S., *Skin Specialist*; Dr. T. R. Naravane, L.M.Z.G.S., *Midwifery*; Dr. B. N. Zaveri, D.O. (Bom.) and Dr. K. K. Vaze, D.O.M.S., *Eye Specialists*; Dr. V. N. Navalkar, M.B.B.S., *Physician*; Dr. Mrs. Tilak, M.D., *Specialist in Midwifery*; Vaidya S. T. Dhamankar.

BAI JERBAI WADIA HOSPITAL FOR CHILDREN

Parel, Bombay. (Tel. 60494.)

This Hospital was built in 1929 to the memory of Bal Jerbal Nowrojee Wadia at a cost of Rs. 18,87,150, towards which her sons the late Sir Cusrow Wadia and Sir Ness Wadia, each contributed Rs. 4,83,575, and the Bombay Municipal Corporation Rs. 7,00,000. It was endowed with 4 per cent Bombay Improvement Trust Bonds of Rs. 15,00,000 face value at a cost of Rs. 12,75,000 contributed by her sons the late Sir Cusrow and Sir Ness.

Number of beds 135. Absolutely free. Payment is only asked for penicillin or streptomycin treatment from those who can afford. Everything else is free including X-ray, Laboratory investigations, etc. A fully equipped Operation Theatre is attached.

Board of Management.

Neville N. Wadia, J.P. (*Chairman*), Sir Jamsetjee Jejeebhoy, Bart., H. S. Bhatlvala, H. R. Bhatlvala, (representatives of Nowrojee Wadia & Sons), Dr. S. R. Wadia, M.B.B.S., A. S. Dina, Dr. V. A. Kothari, L.M. (Dublin), Dr. D. S. Munagekar (representatives of Bombay Municipality).

Honorary Principal Medical Officer.—Dr. R. N. Cooper, M.S. (Lond.), F.R.C.S. (Eng.); *Asst. to Principal Medical Officer*.—Dr. S. H. Adenwalla, M.B.B.S.; *Secretary*.—N. C. Sethna, B.Com.

DR. BACHA'S MEMORIAL BELLE-VUE NURSING HOME

"La Citadelle", next to Government of India Offices, Queen's Road, Marine Lines. (Tel. 26807; 32555).

Meant for all classes without distinction of creed or caste. Has accommodation for 21 beds for patients with extra bed for relations free of cost, all are self-contained rooms with separate entrances. Air-conditioned rooms available. Charges vary from Rs. 15 to Rs. 40 per day. Up-to-date air-conditioned Operation Theatre is attached with all modern Instruments.

Doctors and Surgeons.—Dr. V. R. Mirajkar, F.R.C.S. (Eng.); Dr. R. N. Cooper, M.D. (Lond.), F.R.C.S. (Eng.); Dr. N. K. Sahlar, M.D. (Lond.), M.R.C.P. (Lond.); Dr. V. L. Parmar, F.R.C.S. (Eng.); Dr. A. V. Ballig, F.R.C.S. (Eng.); Dr. D. D. Boovariwala, F.R.C.S. (Eng.); Dr. R. J. Katrak, F.R.C.S. (Eng.); Dr. R. G. Ginde, M.S.; Dr. K. M. Masani, M.D. (Lond.), F.R.C.S. (Eng.); Dr. S. B. Mehta, F.R.C.S. (Eng.); Dr. S. R. Joglekar, F.R.C.S. (Eng.); Dr. V. Sheth, F.R.C.S. (Eng.).

BAI MOTLIBAI AND SIR D. M. PETIT HOSPITALS

Mazagon, Bombay.

These Hospitals are exclusively meant for the treatment of diseases of women (Obstetrics and Gynaecological). They were opened on the 15th March 1892 by His Excellency the Right Honourable George Robert Canning Barron Harris, G.C.I.E., then Governor of Bombay.

The Hospitals accommodate 96 beds, 56 Obstetrics and 40 Gynaecological. They are open to all nationalities. Out-patients are seen in the morning and ante-natal cases in the evening, except Sundays but urgent cases are admitted at any time of the day and night.

The Hospitals are situated along Mazagon Road, next to the Out-patients' Department of the J. J. Hospital. The students of the Grant Medical College attend here for clinical work.

Superintendent.—D. P. Setna, F.R.C.S.; *Honorary Consulting Physician*.—Major S. B. Mehta, F.R.C.S., I.M.S. (Retd.); *Resident Medical Officer*.—N. Y. Anegundi, M.D., F.C.P.S., B.M.S.

BAI SAKARBAI DINSHAW PETIT HOSPITAL FOR ANIMALS

Parel.

Established in 1883 under the auspices of the Bombay Society for the Prevention of Cruelty to Animals and founded by the first Sir Dinshaw Maneckjee Petit, Bart., at a cost of Rs. 1,00,000 and named after his wife. The management of the Hospital is under the direction of the Executive Committee of the Society.

President.—Sir Dinshaw Petit, Bart.

Vice-President.—Miss S. K. Powvala.

Secretary & Treasurer.—P. D. Havewalla.

BAI YAMUNABAI L. NAIR CHARITABLE HOSPITAL

Dr. A. L. Nair Road, Jetha Street.

The Bai Yamunabai L. Nair Charitable Hospital originally started in 1925 by the late Dr. A. L. Nair in memory of his late mother Bai Yamunabai was handed over to the Bombay Municipality from 1-11-1946. The Hospital provides free medical aid without distinction of caste, creed or colour. It also provides Clinical facilities to the students of the T. N. Medical College. There are at present 330 beds.

Dean.—Dr. S. G. Vengsarkar, M.D., F.C.P.S. (Bom.).

DR. BALABHAI NANAVATI HOSPITAL

Ghodhunder Road, Vile Parle West (Opp. Juhu Aerodrome).

Provision of free gynae, maternity, medical and surgical treatment for poor patients, to all Communities facilities for special rooms also available. Deserving patients are treated at concessional rates. Treatment and thorough outdoor investigations undertaken. Fully equipped laboratory, X-ray, dental and ophthalmic departments. Casualty department open at all hours. (Tel. 80033).

DR. BHAJEKAR MEMORIAL HOSPITAL

Dr. Bhajekar Street, off Sandhurst Road.

A Nursing Home type of Hospital. Open to any community or race, but preferably middle class Dakshini Brahmins. Number of beds about 12. A free patient may be kept at the discretion of the Trustees. Charges are made according to the financial circumstances of the patient and according to the service rendered. There is a fully-equipped Operation Theatre attached. The patient can choose his own doctor or surgeon with the consent of the Trustees.

Managing Committee.—Dr. M. V. Bhajekar; V. V. Oak; J. C. Shroff. (Tel. 71852).

BOMANJEE DINSHAW PETIT PARSEE GENERAL HOSPITAL

Bomanji Petit Road, Cumballa Hill, Bombay 26.

Erected for the use of Parsees from subscriptions by the Parsees; Situation, facing the sea; Site 50,000 sq. yards. Presented by Bomanjee Dinshaw Petit.

Commodious accommodation for men, women and children for surgical and medical cases; separate obstetric, gynaecological, ophthalmic, children's observation, out-patients, blocks; well-fitted operation theatre, dispensary, pathological laboratory, X-ray room, Blood Bank, etc.; separate quarters for resident doctors, nurses and servants.

A nursing home as an annexe for Parsee patients sent by any Doctor of whatever nationality who is on the Bombay Medical Register. Nursing Home fees Rs. 15 to Rs. 35.

Management.—General Board of about 120 and Executive Committee of about 24 members.

President.—Dhunjibhoj Bomanjee Petit.

Vice-President.—Dr. D. N. Sahor.

Honorary Medical Secretary.—Dr. H. S. Mehta, M.B., F.C.P.S., B.M.S.I., J.P.

Jt. Honorary Secretary.—D. H. Petit, B.A., LL.B., Attorney-at-Law.

Honorary Treasurer.—Sir Hormuzdyar P. Dastur, Kt.

Resident Medical Officer.—Dr. B. E. Pardiwala, M.B.B.S.

Resident Secretary.—N. N. Akolawala, B.A.

B.P.A. MUNICIPAL FREE EYE HOSPITAL

Main Street, Kamathipura.

Open to all. Number of Beds—at present twelve, to be increased to eighteen. Hospital complete with Operation Theatre, Refraction Department.

The Bombay Municipality is considering a scheme to expand the hospital premises, and to utilise its vast clinical material for the teaching purposes of Municipal medical students.

Managing Committee.—Administered by the Health Department of the Bombay Municipality.

Surgeons.—Two Honorary Ophthalmic Surgeons attending on alternate days are Dr. V. V. Gupta and Dr. M. K. Sathe. (Tel. 41805).

BYRAMJEE JEEJEEBHOY HOSPITAL FOR CHILDREN

Mazagon, Bombay.

This is the first Hospital in the whole of India meant exclusively for treatment of diseases of children. It was opened on 14th November 1928 by Sir Leslie Wilson, then Governor of Bombay. The Hospital accommodates 100 beds, 50 Medical and 50 Surgical; Children below the age of 12 years are admitted and it is open to all nationalities. Out-patients are seen in the morning but urgent cases are admitted at any time of the day or night. Arrangements provide for the admission of the mother along with the child in a few cases.

The Hospital is situated along Mazagon Road, next to the Out-patient's Department of the J. J. Hospital. It can be reached by tram and by train. The closest Western Railway Station is Grant Road, and on the Central Railway, Byculla or Sandhurst Road; the latter is only a few minutes walk from the Hospital. The students of the Grant Medical College attend here for clinical work.

Superintendent.—D. P. Settna, F.R.C.S.E.; *Honorary Physicians.*—P. M. Udani, M.D., D.O.H.; B. D. Patel, M.R.C.P., D.C.H.; Dr. A. K. Jungalwalla, M.R.C.P., D.C.H.; *Resident Medical Officer.*—V. V. Joshi, M.B.B.S., B.M.S.

CAMA HOSPITAL FOR WOMEN AND CHILDREN

Crickshank Road, Bombay.

This is a Civil Hospital under Government and was opened on 30th July, 1886. It bears the name of Pestonjee Hormusjee Cama, a wealthy Parsee inhabitant of Bombay, who contributed Rs. 1,71,722 towards its erection. It is intended for the sole use of women and young children of all castes and denominations, and is entirely under the management of medical women and skilled nurses. Number of beds 67. Connected with the Hospital is a *Training School for Nursing and Midwifery*, supported by the Dufferin Fund in which women of all races are trained in the various branches of Nursing and Practical Midwifery. The Nursing Association has now been dissolved and Government have taken over the management of the Training School as well as Nursing arrangement at the Hospital.

STAFF.—Dr. (Smt.) M. J. Wadia, M.D., F.R.C.S.E., F.C.P.S., *Medical Officer-in-charge*; Dr. (Kum.) G. H. Limaya, M.B.B.S. (Bom.), D.C.O. (Lond.), D.O. (Dub.), L.M. (Rotunda), B.M.S., *Resident Medical Officer (Class II)*; Dr. (Kum.) G. B. Advani, M.B.B.S., B.M.S., *Resident Anaesthetist (Class II)*; Dr. (Kum.) J. H. Patel, B.M.S. (Class III).

CITY FEVER (INFECTIOUS DISEASES) HOSPITALS

Arthur Road, Jacob Circle, Bombay.

These Hospitals, which are equipped and maintained by the Municipal Corporation, Greater Bombay, reopened at Arthur Road on the outbreak of an epidemic of small-pox in 1892. Previous to this, in the year 1888, the Bombay Municipality started a hospital at Grant Road called the Grant Road Infectious Diseases Hospital. This hospital was generally opened during the epidemics of small-pox and cholera and was closed during the rest of the year. The hospital

worked for four, six, one and seven months during the years 1888, 1889, 1890 and 1891 respectively. It was permanently closed on 26th July 1892, and the patients, furniture, etc., were transferred to Arthur Road. This hospital was made ready for the admission of patients on 12th March, 1892, and was known as The Arthur Road Hospital for Infectious Diseases. But when the small-pox section was entirely separated from the general section, the name was changed to "City Fever Hospitals". In the beginning, patients suffering from cholera and small-pox were chiefly admitted and treated, but now patients suffering from all infectious diseases except leprosy and tuberculosis are treated here. During the first outbreak of plague in 1896, patients suffering from the disease were treated at this Hospital, and then onwards till 1901, 6,382 plague patients were treated. Since 1901 the admission of plague patients into this Hospital was discontinued, and a separate hospital known as Maratha Hospital was started for such cases in 1902. But from 1930, the Maratha Hospital is exclusively maintained for advanced tuberculosis and road-side cases, and the admission of plague cases in the City Fever Hospital was resumed.

At present the hospital is divided into two units, one for small-pox and the other for all other infectious diseases except tuberculosis. The accommodation in the former unit is for 254 patients and in the latter for 123 patients. One separate ward with accommodation for 14 beds is reserved for Yellow Fever cases, the maintenance cost of which is borne by the Government of Bombay. The average number of patients treated has been constantly on the increase and the maximum number of patients treated on one day has reached over 800 during the height of small-pox epidemic.

Medical Superintendent.—Dr. J. K. Thanawala; *Resident Medical Officer.*—Dr. R. S. Deshpande.

EYE CLINIC AND HOSPITAL

375, Hornby Road, Opp. Flora Fountain.

Run by Dr. H. D. Dastoor, F.C.P.S., D.O. (Oxon.), D.O.M.S. (Lond.), together with a small staff of assistants. It is a private Institution and the patients are charged fees for consultations and treatment. Nursing Home facilities with an Operation Theatre and with separate rooms and beds for operation cases open for any class or community.

FAKHRI SURGICAL HOSPITAL

117, Ebrahim Rehmatulla Road, Bombay 3.

Meant for all classes of people irrespective of any caste, creed, religion or nationality. Has twelve beds (including two extra beds). Four beds are reserved for maternity cases, rest being for medical and/or surgical cases of either sex. One bed is free (for poor patients). There is a small Operation Room. It is privately managed.

Almost all the leading Physicians and Surgeons of Bombay attend patients whenever called for. (Tel. 71753).

Sole Proprietor.—Dr. F. G. Shafr.

FREE OPHTHALMIC HOSPITALS' SOCIETY

Jehangir Merwanji Road, Polbavdi, Parel.

AIMS AND OBJECTS: Free medical and surgical aid to persons suffering from diseases of the eye, ear, nose and throat and to provide facilities for teaching and research in ophthalmology. Cosmopolitan.

ACTIVITIES: A Free Ophthalmic Hospital at Parel, with an Out-Patients department.

GOCULDAS TEJPAL HOSPITAL

Carnac Road, Bombay.

It is a general hospital for Indian patients of all denominations. Urgent cases are admitted at all hours of the day and night. There is an Outdoor Department for men, women and children, which is open daily from 8 a.m. to 12 noon. (Sundays excepted.)

The hospital has accommodation for 234 beds, including 16 beds for male and 8 beds for female T. B. patients and is provided with X-ray and Electro-Medical Department.

GROUP OF T. B. HOSPITALS, SEWRI

(Municipal)

The three Municipal T.B. Hospitals, viz. (1) Ramesh Premchand T.B. Hospital, started on 15-5-48, (2) Maratha Hospital and (3) Turner Sanatorium have now been grouped together at Sewri and a new hospital called Bahadurji Block added, under a common designation of "Group of Hospitals for Tuberculosis, Sewri."

The group has accommodation for 315 beds and lung tuberculosis cases of early as well as advanced stages are treated. The Institution is fitted up with complete X-ray equipment consisting of 3 X-ray apparatuses and has a well-equipped Operation Theatre. The

treatment to patients includes some major operations and also X-ray and Laboratory investigations like complete blood, Sputum, Urine and Stool examinations as well as vital capacity and basal metabolic rate estimations, complete ear-nose-throat examination, etc. and has the benefit of combined consultations of Medical and Surgical Staff. A.P. and P.P. Refills are regularly given to the discharged patients at these Hospitals.

The out-patient department of the Group of Hospitals for T. B. is attached to the Princess Street T. B. Clinic where the Hon. Medical Officers of these Hospitals conduct the outdoor in the mornings between 8-0 A.M., S.T. and 9-15 A.M., S.T.

STAFF

Medical Superintendent.—Dr. M. S. Kavarana, M.B.B.S., F.O.P.S., D.M.B.E., T.D.D. (Wales); **Resident Medical Officer.**—Dr. I. D. Killawala, M.B.B.S., T.D.D. (Bom.); **Resident Medical Assistants.**—Dr. K. B. Patel, M.B.B.S.; Dr. A. R. Patil, M.B.B.S.; Dr. A. O. Jagot, M.B.B.S.; Dr. G. J. Thakur, M.B.B.S.

NURSING: *Matron.*—Shrimati M. A. Dalal, B.P.N.A. (Fully qualified).

JAMSETJEE JEJEEBHAY HOSPITAL

Babula Tank Road, Byculla, Bombay.

The Hospital was erected at the joint expense of the late E.I. Company and Sir Jamsetjee Jeejeebhoy in May 1843. It contains 478 beds. There is an Out-Patients' Department which is open daily from 8-30 a.m. to 10-30 a.m. (Sundays excepted), but urgent cases are admitted at any time of the day or night. Two new pavilions have been attached to the J.J. Hospital. Sir Sassoon David Hospital and Ellappa Balarum Pavillion are attached to this hospital. The venereal department is open day and night.

Superintendent.—D. P. Sethna, F.R.C.S.E.

JAMSETJEE JEJEEBHAY HOSPITAL NURSING ASSOCIATION

Byculla.

The objects for which the Jamsetjee Jeejeebhoy Hospital Nursing Association is established are—

To provide and maintain a body of trained nurses and midwives for employment in Bombay and elsewhere for private patients of otherwise and to give prizes and scholarships to deserving candidates.

The sources of income are:—Contributions from public bodies and individuals, income from Justice Crowe's and other funds.

Neville N. Wadia (*President*); J. R. Taleyarkhan (*Hon. Secy. and Treasurer*).

KHAN BAHADUR HAJI BACHOOALI FREE OPHTHALMIC HOSPITAL

Poibawdi, Parel.

This Hospital was founded in 1914 with the object of giving free treatment for eye, ear, nose and throat diseases without any distinction of caste, colour and creed and of providing clinical facilities for post-graduate studies and research work. It is conducted by the Free Ophthalmic Hospitals' Society. Treatment is given free but the operations are charged at Rs. 10, but deserving cases are not charged. It has an Operation Theatre attached. Hospital working hours are 2-30 to 5-30. Indoor accommodation 80 beds. Daily average outdoor attendance 250. (Tel. 61192).

Chairman, Hospital Committee.—Dr. Shridhar V. Oak;
Secretary.—Dr. B. D. Telang; *Hon. Supdt.*—Dr. B. D. Telang.

KING EDWARD VII MEMORIAL HOSPITAL

Hospital Avenue, Parel.

The King Edward VII Memorial Hospital has been erected at the expense of the Municipal Corporation, contributions having been received from the funds collected by the King Edward VII Memorial Committee and from Government. The Hospital is equipped and maintained as a general Hospital. It has 510 beds. There is an outdoor department attached for men, women and children, which is open daily from 7 to 10 a.m. (S.T.) excepting Sundays. A ward of 18 beds, constructed with the help of the Governor's Hospital Fund, for the treatment of patients suffering from venereal diseases was opened for the reception of patients, on 15th June, 1936. In 1951 a new building with a fully equipped Blood Bank and an Occupational Therapy Centre and School was added to the Hospital. The Hospital has arrangements for Physical Therapy Treatment. A Prophylactic Immunization Centre and Family Health Centre are located at the Hospital.

STAFF.

Dr. R. G. Dhayagude, M.D. (Bom.) (Dean); Dr. V. V. Jadhav, M.B.B.S. (Asst. Dean); Dr. N. D. Patel, M.D., M.R.C.P., L.R.C.P. (Lond.), M.R.O.S. (Eng.); Dr. J. C. Patel, M.D., M.R.C.P. (Lond.), Ph.D.; Dr. Abdul Hameed, M.D. (Bom.); Dr. M. J. Shah, M.R.C.P. (Lond.), M.B.O.S. (Eng.), D.T.M. & H. (Lond.), L.R.C.P. (Lond.); Dr. P. Baghavan, M.P. (Bom.); Dr. R. J. Yakil, M.D., M.R.C.P. (Lond.) (Hon. Physicians);

Dr. A. V. Baliga, F.R.C.S. (Eng.); Dr. K. G. Munsif, F.R.C.S. (Eng.); Dr. G. M. Phadke, M.B.B.S. (Lond.), F.R.C.S. (Eng.); Dr. M. M. Pandya, F.R.C.S. (Eng.); Dr. A. E. DeSa, F.R.C.S. (Eng.); Dr. R. G. Ginde, M.S. (Bom.) (Hon. Surgeons); Dr. R. J. Katrak, F.R.C.S. (Eng.), M.Ch. (Orthopaedics) (L'pool); Dr. A. K. Talwalkar, F.R.C.S. (Eng.), M.Ch. (Orthopaedics) (L'pool) (Hon. Orthopaedic Surgeons); Dr. S. G. Joshi, M.S. (Bom.) (Hon. Aural Surgeon); Dr. Miss P. C. Daroowalla, M.D. (Bom.); Dr. K. M. Masani, M.D. (Lond.), F.R.C.S. (Eng.) (Hon. Gynaecologist); Dr. S. N. Cooper, D.O. (Oxon. & Bom.), D.O.M.S. (Eng.) (Hon. Ophthalmic Surgeon); Dr. Z. J. Joseph, M.D. (Bom.), D.M.B.E. (Cantab.); Dr. L. H. Athle, M.B.B.S., D.M.B.E. (Eng.) (Hon. Radiologist); Dr. B. N. Sircar, D.A. (Eng.) (Hon. Anaesthetist); Dr. J. A. Fernandez, L.R.C.P. (Lond.), M.R.C.S. (Eng.), M.R.C.P. (Edin.) (Hon. Dermatologist & Venereologist); Dr. N. S. Vahia, M.D. (Bom.) (Hon. Psychiatrist).

MAHADEVI ANANDILAL PODAR HOSPITAL

Worli.

This Hospital started working on the 14th January, 1942. The (Medical) Hospital building is attached to the Rambhais Anandilal Podar College (Ayurvedic) near the Worli Sea shore, for the practical training of students of the College. It has accommodation for 90 beds in the medical, surgical and maternity wards. The medical side is on the Ayurvedic system under a highly qualified physician (Graduate of Ayurveda & Allopathy); surgical and maternity sides are under highly qualified surgeons.

Fees are charged according to Government rates for those whose income is Rs. 61 p.m. or more. There is an operation theatre. It is a Government Hospital administered by the Superintendent of the Hospital directly under the Surgeon-General with the Government of Bombay. (Tel. 41295).

Superintendent.—Kvj. M. K. Shastri, B.A., B.M.S., Ayurvedacharya.

MARWARI MEDICAL RELIEF SOCIETY

232-34, Kalbadevi Road.

AIMS AND OBJECTS: Free medical relief. Cosmopolitan.

MASINA HOSPITAL

Victoria Road, Byculla.

AIMS AND OBJECTS: Treatment of all types of patients. Cosmopolitan.

ACTIVITIES: The hospital has a surgical, a medical, a maternity and a T. B. ward. An average of 32 per cent of the total number of patients are admitted free. (Tels. 41105, 42041 & 42042).

N. M. MENTAL HOSPITAL

Naupada, Thana, Central Railway.

The Hospital is open to all classes. Number of sanctioned beds—240 Males and 150 Females. Number of patients—598 Males and 499 Females. Both paying and non-paying patients are treated. Payment varies from annas 9 to Rs. 3-12-0 per day according to the income of patients or relatives of patients. There is an Operation Theatre. Only Transorbital Leucotomy operations are conducted.

Superintendent.—Dr. G. A. Bhagwat, B.Sc., M.D. (Bom.), B.M.S., Cl. I.

NATURAL THERAPY CLINIC

Sunama House, 140, Cumballa Hill.

Meant for all classes, communities, races, etc. Number of beds—6. Charges—for in-patients: Rs. 30, Rs. 25, Rs. 20 per day for Special Rooms (boarding and treatment inclusive). For out-patients: From Rs. 5 to Rs. 10 per day, depending on the mode of treatment. Hospital is under private management. (Tel. 41721).

Doctor.—Dr. J. M. Jussawalla.

NORTHCOTE POLICE HOSPITAL

New Nagpada, Byculla.

Exclusively meant for the Police patients. Number of beds—114. Policemen of and below the rank of Head Constable are treated free of charge. Officers of G.B.P. Force of and above the rank of Jamadars are charged hospital fees at the rates laid down by Government, while receiving treatment as in-patients in the Northcote Police Hospital, Bombay. An operation theatre is attached to the hospital.

Doctors.—Dr. H. S. Mehta, M.S., F.C.P.S., B.M.S., I, *Police Surgeon*; Dr. D. K. Shiralkar, B.M.S., Cl. III, *First Asst. to the Police Surgeon*; Dr. B. Rajput, B.M.S., III, *Second Asst. to the Police Surgeon*; M. G. Khire, M.B.S., III, *Third Asst. to the Police Surgeon*; Dr. F. S. Mehta, L.D.Sc. (Bom.), D.M.D., *Hon. Dental Surgeon*.

NOWROSJEE WADIA MATERNITY HOSPITAL

King Edward Road, Parol.

The Nowrosjee Wadia Maternity Hospital, Parol, Bombay, was opened for confinement of women in the Mill area and also to give training in midwifery to medical students and nurses. It was declared open on 13th December, 1926, by His Excellency Sir Leslie Wilson, the then Governor of Bombay, and patients were admitted from 15th December 1926.

The cost of the land, building and equipment was Rs. 16 lakhs. Sir Ness Wadia contributed 6 lakhs, and the Government and Municipality 5 lakhs each. Sir Ness Wadia also contributed Rs. 15 lakhs towards the Endowment Fund, which brings in Rs. 60,000 a year as interest. Besides the interest of Rs. 60,000 on the Endowment which goes towards the maintenance of the hospital, the Government of Bombay and the Bombay Municipality share equally the balance of the expenses.

The hospital is under the control of a Board of Management consisting of:—

Neville N. Wadia, J.P. *Chairman*: Sir Jamsetjee Jejeebhoy, Bart.; H. S. Butliwala; Sir Vithal Chandavarkar, Kt., Krishnaraj M. D. Thackersey; Dr. R. B. Dikshit, M.B. (Bom), M.R.C.P. (Edin.), Dr. D. P. Sethna, F.R.C.S.; Dr. J. Leon D'Souza, M.B.B.S.; Dr. P. V. Mundlik, M.B.B.S.

STAFF.

Dr. K. M. Masani, M.D. (Lond.), F.R.C.S. (Eng.), Hon. Principal Medical Officer.

Dr. Miss P. C. Daroowalla, M.D. (Bom.)... } Hon. Visiting
Dr. V. N. Shirodkar, M.D. (Bom.), F.R.C.S. (Eng.) } Obstetricians.
Dr. D. B. Patwardhan, M.D. ... }

PARAKH HOSPITAL

Sardar Vallabhbhai Patel Road.

Established in 1910 with six beds. It has accommodation now for about 40 beds. Meant for all classes irrespective of colour, community or race. Free as well as paying.

Charges vary from Rs. 7 per day to Rs. 20 per day including food, general nursing and treatment. Has a fully equipped Operation Theatre and Labour Room.

Has General and Private Wards for Maternity and Major and Minor Surgical Cases including Diseases of Women. (Tel. 41366).

Doctors.—Dr. F. R. Parakh, Dr. F. Misquitta, Major S. B. Moheta.

PARSI LYING-IN HOSPITAL

The Institution was founded in a temporary building on Marine Lines on 21st March 1887 by the late Sir Temuljee Bhicajee Nariman, Kt. with co-operation of other eminent members of the Parsi community. The permanent building on Outram Road, Fort, was completed and declared open on 11th January 1895. The cost amounted to Rs. 1,00,500 which was subscribed by the community. The Wadia Wing was provided at a cost of Rs. 30,000. 45 Patients are accommodated.

PEOPLE'S MOBILE HOSPITALS

C/o Hon. Gen. Secretary
510, Moos Building, Kalbadevi Road.

AIMS AND OBJECTS: Medical assistance to the poorer classes and to the general public at their doors. Cosmopolitan.

ACTIVITIES: Self-contained and manned medical mobile units cum ambulances, visits scheduled localities at fixed timings. Minor operations performed and serious cases admitted to the hospitals. (Tel. 70404; 11759).

RAMWADI FREE EYE HOSPITAL

36/69, 1st Cavel Cross Lane, Kalbadevi Road.

Open to all classes. It has accommodation for 26 beds. No payment is asked for. There is an Operation Theatre.

Doctors: Hon. *Ophthalmic Surgeons*.—Dr. Chimanlal N. Shroff, M.B.B.S., D.O.M.S. (Lond.); Dr. Hiralal D. Patel, M.B.B.S., D.O.M.S. (Lond.); Dr. D. G. Vyas, M.B.B.S., D.O.M.S. (Lond.); Dr. B. D. Telang, M.B.B.S., D.O.M.S. (Lond.); Dr. V. S. Talwalkar, M.B.B.S., D.O. (Bom.), D.O. (Oxon.); Hon. *Consulting Physician*.—Dr. C. V. Talwalkar, M.D. (Bom.), M.R.C.P. (Lond.); Hon. *Consulting Surgeon (Ear, Nose and Throat)*.—Major M. B. Thakore, M.B.B.S., F.R.C.S., I.M.S.; Hon. *Anaesthetist*.—Dr. J. J. Merchant, M.B.B.S.; Hon. *Assistant Ophthalmic Surgeons*.—Dr. M. H. Joshi, L.C.P.S., D.O.M.S. (Bom.); Dr. B. N. Jhaveri, D.O.M.S., D.O. (Bom.); *Refractionist*.—Dr. B. P. Purohit, L.C.P.S.; Hon. *Bacteriologist and Pathologist*.—N. D. Shah, B.Sc.

SIR COWASJEE JEHangIR OPHTHALMIC HOSPITAL

Bombay.

The Sir Cowasjee Jehangir Ophthalmic Hospital is situated at the South-West Corner of the J. J. Hospital Compound. It is named after the first Sir Cowasji Jehangir, who contributed towards the erection of the building, and the Hospital was built in the year 1866. The second Baronet made a further contribution towards the new wing which was completed early in 1909. The Baronet further made a donation of Rs. 1,50,000 towards the re-building and extension of the Hospital which was constructed and taken into use from October 1930. The whole hospital has now been brought well up-to-date and ample provision also exists for the treatment of out-patients.

The out-patients are admitted between 8 and 10 a.m. while urgent accident cases are treated at any time by the House Surgeon of the Hospital in the absence of the Surgeon.

Superintendent.—Dr. D. P. Settna, F.R.C.S.E.; Hon. *Consulting Ophthalmic Surgeon*.—Col. Sir Jamshetji N. Duggan, Kt., C.I.E., K.B.E., D.O. (Oxon.); Honorary *Ophthalmic Surgeons*.—Dr. V. K. Chitambar, D.O. (Oxon.), F.C.P.S.; Dr. H. D. Dastur, D.O. (Oxon.), D.O.M.S. (Eng.), F.C.P.S.; Honorary *Assistant Ophthalmic Surgeons*.—Dr. B. B. Velankar, M.B.B.S., D.O.; P. B. Banaji, M.S., D.O., D.O.M.S., F.R.C.S. (Oph.); Honorary *Refractionist*.—S. E. Hussein, D.O., D.O.M.S.; *Resident Medical Officer*.—Dr. V. V. Joshi, M.B.B.S., V.B.S.; *Assistant Resident Medical Officer*.—Dr. V. P. Pandya, M.B.B.S., D.O., B.M.S.

SIR CURRIMBHAY EBRAHIM MEMORIAL DENTAL COLLEGE & HOSPITAL

Byculla, Bombay 8

The Institution trains candidates for the degree of Bachelor of Dental Surgery (B.D.S.) of the Bombay University.

The course is of 4 years duration and the minimum entrance requirements are that the candidate must be L.Sc. B.Group of the Bombay University or its equivalent recognised by the Bombay University.

The Hospital attached to the College is very nicely equipped and all types of dental treatment is given to the patients.

SIR HURKISONDAS NUROTTUMDAS HOSPITAL

New Charni Road, Bombay.

Established in 1925 from the fund bequeathed to charity by Sir Hurkisondas and Lady Mankorbal, amounting to Rs. 7,91,000. The public have also subscribed liberally.

The Hospital has accommodation for 250 beds out of which, 160 are free. Narandas Manordas Nurses' Training College and Hospital, New Nurses' Quarters, were declared open by late Sardar Vallabhbhai Patel during the Silver Jubilee Week in May 1950.

Up-to-date X-ray, Dental and Pathology Departments are attached to the Hospital. The Pathology and X-ray Departments are open to the public, irrespective of caste or creed.

Leading doctors are on its staff and the Hospital is governed by the Managing Council consisting of prominent citizens of Bombay.

Doctors: Dr. J. L. Desai, D.M.R.E. (Cantab.); Dr. P. M. Desai, D.M.R.E. (Cantab.) (Hon. *Radiologists*); Dr. B. B. Yodhi, M.R.C.P. (Lond.); Dr. N. J. Modi, M.R.C.P. (Lond.); Dr. M. J. Shah, M.R.C.P. (Lond.) (Hon. *Physicians*); Dr. V. L. Parmar, F.R.C.S. (Eng.); Dr. M. V. Modi, F.R.C.S. (Eng.); Dr. S. J. Mehta, F.R.C.S. (Eng.); Dr. K. G. Munsif, F.R.C.S. (Eng.) (Hon. *Surgeons*); Dr. S. B. Trivedi, L.M. (Rot.), M.R.C.P. (Edin.) (Hon. *Gynaecologist*); Dr. V. M. Desai, D.D.S. (U.S.A.), F.I.C.D. (Hon. *Dental Surgeon*).

ST. GEORGE'S HOSPITAL

Frere Road, Fort.

The St. George's Hospital, Bombay is a General Hospital open to all classes of public without distinction of race, caste or creed. There is a special lying-in-ward. Emergencies are received at all hours of the day and night. Out-patients are attended to daily between 8-30 a.m. and 10-30 a.m. on week days. Visiting hours are from 4 p.m. to 6 p.m. There is also a Nursing Home attached to this hospital.

The daily fees for the General Wards are as per Notification No. 1692/33 dated 5-4-1949 of Health and Local Government Department.

Lying-in-ward.—Fees based on income of the husband of the patient plus special Maternity fee equal to five times daily ward charges.

Children Ward.—At the rates as per parent's income.

Nursing Home.—Rs. 17 per day.

Superintendent.—Dr. A. K. Pardhy, M.A., M.B., B.Chir. (Camb.), F.R.C.S. (Eng.).

SUBSIDIARY POLICE HOSPITAL

New B.D.D. Chawl No. 6, Nalgaum.

The hospital is exclusively meant for Police Patients. There are 40 beds. Same rules which are applicable to Northcote Police Hospital are applicable to this hospital also. No Operation Theatre.

Doctors.—Dr. H. S. Mehta, M.S., F.C.P.S., B.M.S., I, *Police Surgeon*; Dr. J. Chauhan, B.M.S., II, *Medical Officer*; K. S. Gupta (Raja), B.M.S. III *Officer*.

SURGICAL NURSING HOME AND FRACTURE CLINIC

16, New Queen's Road, Next to Opera House Cinema, Bombay 4.

Open to all, irrespective of class, community or race. There are 10 beds and it is a private paying Nursing Home having a well equipped Operation Theatre. (Tel. 34941).

Managing Board.—Dr. R. G. Talwalkar, F.R.C.S. (Eng.); Dr. M. G. Talwalkar, F.R.C.S. (Eng.); Dr. G. R. Talwalkar, T.D.D. (Wales), *Tuberculosis Specialist*; Dr. C. G. Talwalkar, D.M.R.E. (Lond.), *Radiologist*; Dr. S. G. Talwalkar, D.A.R.C.P.S. (Lond.), *Anaesthetist*; Dr. M. G. Talwalkar, F.R.C.S. (Eng.); Dr. R. G. Talwalkar, F.R.C.S. (Eng.), *Surgeons*; Dr. V. S. Talwalkar, D.O. (Oxon.), *Eye Surgeon*; Dr. M. S. Talwalkar, M.D., *Specialist in Women's Diseases*; Dr. N. G. Talwalkar, M.D., M.R.C.P. (Lond.); Dr. C. V. Talwalkar, M.D., M.R.C.P. (Lond.), *Physicians*.

SURGICAL NURSING HOME AND LYING-IN HOSPITAL

Belle Ville, Cumballa Hill.

Open to all. It has 25 beds. Patients are charged. Has an Operation Theatre attached. Managed by prominent Doctors.

TATA MEMORIAL HOSPITAL

Hospital Avenue, Parcel.

This Hospital, founded by the Trustees of the Sir Dorabji Tata Trust for the purpose of investigation and treatment of cancer and allied conditions, was opened by the Governor of Bombay on 28th February, 1941. The hospital is devoted to the treatment of one type of disease and almost all the medical and scientific members of its staff are full-time workers. The building has been planned on lines similar to the New Memorial Hospital at New York and its specialised function has been responsible for its unique design and conception in this country.

The Institute is equipped with the most modern scientific appliances for diagnosis and treatment.

X-ray and Radium Department.—Besides very efficient diagnostic units for specialised work, the X-ray Department is fitted with high and low voltage appliances for superficial and deep radiation therapy. Two grammes of radium costing nearly 2 lakhs of rupees are put into solution and the emanated gas—radon—is extracted, purified and collected in gold and glass tubing. The quantity of gas is accurately measured and the tubes after calibration and sealing are supplied in specially designed applicators for the treatment of patients in different regions of the body.

Surgical Department.—There are three up-to-date operating theatres built with walls of glass bricks on one side to exclude dust and other extraneous material and to let in sufficient light during day time. The theatres are all air-conditioned and the incoming air is filtered, sterilized, cooled and dehumidified before being distributed by means of ducts. The supply of oxygen, nitrous oxide and compressed air is ensured through pipes from a central supply room.

Laboratories.—There are well-equipped pathological, chemical and physics laboratories, where routine work and investigations are carried out on material sent from the clinics. The Hospital has facilities for storing and preserving blood or plasma and blood transfusions are undertaken in serious cases at very short notice.

The Hospital has a maximum capacity of 100 beds. It is essentially a charitable institution but private patients are expected to pay a fee.

The Out-Patient Department is open from 9 a.m. to 1 p.m. on all days except Sundays.

Heads of Departments.—Col. P. B. Bharucha, O.B.E., D.S.O., F.R.C.S. (Eng.), I.M.S. (Retd.), *Superintendent*; Dr. V. R. Khanolkar, M.D. (Lond.), B.Sc. (Lond.), *Hon. Director of Laboratories*; Dr. K. P. Mody, B.A., L.M. & S., M.R.C.S., L.R.C.P., D.M.R. (Eng.), *Director, Dept. of Radiology*; Dr. J. C. Paymaster, D.O.C.O. (Lond.), F.R.C.S.E., *Chief Surgeon*.

TUBERCULOSIS NURSING HOME

20, New Queen's Road.

Meant for all classes, creed and community. Has ten beds. All are charged. Charges are moderate and vary from time to time. There is an Operation Theatre in the Polyclinic Nursing Home. (Tel. 34614).

Proprietor and Chief Medical Officer.—Dr. Bhaskar Patel, M.D., M.R.C.P., T.D.D.

VENEREAL DISEASES FREE CLINIC, BOMBAY MUNICIPALITY

254, Bellasis Road.

This is an Institution for the prevention and treatment of Venereal Diseases.

The clinic is open morning and evening. Men, women and children suffering from Venereal Diseases are treated free of charge. There is also a Prophylactic centre at this clinic for Prophylactic treatment which is open day and night. Facilities also exist for examination of blood sent by Medical Practitioners for the diagnosis of these diseases free of charge.

WORLI GENERAL HOSPITAL

Sea Face Corner, Bombay 18.

Open to all classes, irrespective of caste, creed or community. It has 25 beds; 20 beds semi-paying open to all with an income of below Rs. 200 per month. Five nursing home beds. Rs. 20 to Rs. 30 for a stay upto 15 days including operation charges, X-rays, Laboratory investigations, ordinary medicines and injections.

Has a fully equipped Operation Theatre suitable for any major abdominal and chest surgery, with full set of endoscopy instruments including gastroscopy, Operating cystoscope, etc. There are Medical, Surgical, Gynaecological and Ophthalmic and Dental out-patients dept., X-ray and Electromedical dept. having two X-rays, Electroencephalography Dept. and Electrocardiography Dept. Clinical Laboratory fully equipped for all the routine tests, Blood Bank Dept. (Tel. 74003).

Doctors.—Dr. Kantil J. Sheth, F.R.C.S., *Surgeon Supdt. and founder of the Hospital*; Dr. A. H. Nakhoda, M.R.C.P., *Hon. Visiting Physician*; Prof. S. G. Talwalkar, D.A.R.C.P. & S., *Hon. Consulting Anaesthetist*; Dr. S. S. Daruwalla, M.D., *Hon. Visiting Gynecologist*; Dr. A. M. Charagaonkar, D.O., *Hon. Visiting Ophthalmic Surgeon*; Dr. (Miss) Mira N. Shroff, M.D., *Hon. Visiting Pediatric Physician*; Dr. Adils Batliwalla, M.B.B.S., *Hon. Visiting Pathologist*; Dr. D. S. Sabnis, L.D.S., *Hon. Visiting Dental Surgeon*; Dr. N. J. Kolhari, M.D., *Hon. Visiting Psychiatrist and Electroencephalographer*; Dr. M. B. Vangikar, M.B. B.S., *Resident Medical Officer*.

MATERNITY, CHILD WELFARE AND HEALTH CLINICS**AGA KHAN'S HEALTH CENTRE**

Ismail House, Nisahanpada Road.

AIMS AND OBJECTS: Maternity and Infant Welfare in the Ismaili Community. Sectional—for Ismaili Khojas.

ACTIVITIES: Maternity and Child Welfare Clinics. Health Visits, lectures and films on Health topics and Baby shows. (Tel. 42710.)

ANDHERI MATERNITY & NURSING HOME

Opposite Gazdar Hall, Ghodbunder Road, Andheri.

A private nursing home, meant for all classes and communities. Number of beds—8. Patients are charged for. Ordinary class Rs. 75 for maternity cases for ten days. Special class single room for one bed Rs. 150 for maternity cases.

Medical and Surgical cases are not admitted. No Operation Theatre but there is a Labour Room. (Tel. 86010).

Managing Committee.—Dr. R. P. Bhatt, M.B.B.S.; Dr. M. R. Bhatt, M.B.B.S.

BOMBAY CLINIC

Indra Bhuvan, 514, Sardar Vallabhbhai Patel Road, Bombay 4.

Meant for all irrespective of class, creed, religion or race. Has 25 beds. Patients are charged. Nursing Home fees from Rs. 10 to Rs. 25 a day. Equipped with Operation Theatre and X-Ray facilities and Laboratory.

Managed by Resident Medical Officer, House Surgeon, Lady Almoner, X-Ray Assistants and Managing Secretary.

Surgeon.—J. A. Dhacka, F.R.C.S. (Eng.). (Tel. 70584; 34197).

BOMBAY MOTHERS AND CHILDREN WELFARE SOCIETY

(No. 10, B.D.D. Chawl, DeLisle Road, Bombay No. 11).

OBJECTS:—To promote Maternity and Child Welfare in Bombay State.

ACTIVITIES: (1) *Bombay City Section:* There are two Maternity and Child Welfare Units, two Child Welfare Centres, one Creche and one Health Visitors' Institute in the city of Bombay. (2) *Mofussil Section:* There are six Welfare Units, 1 Maternity Centre, 3 Maternity and Child Welfare Centres, 7 Child Welfare Centres, and one Health School at Khed (Dt. Poona).

President.—Shrimathi M. D. Bajpai. **Chairman.**—Lady Cowasji Jehangir. **Jt. Hon. Treasurers.**—Khushru S. Sethna, J.P. and Dr. Socrates Noronha. **Jt. Hon. Secretaries.**—Dr. H. V. Tilak, F.R.C.S. and Dr. K. S. Mhaskar, M.A., M.D.

BRAHMAN SABHA MHASKAR MATERNITY HOSPITAL

9, Benham Hall Lane, Girgaum, Bombay.

This Charity Hospital started in February 1932, has 32 beds and is managed by Brahman Sabha under the supervision of Dr. K. S. Mhaskar, M.A., M.D., B.Sc., D.P.H., D.T.M. & H. It is recognised by the Bombay Nurses, Midwives and Health Visitors' Council for Midwifery Training.

CALCUTTA NURSING AND MATERNITY HOME

81a Nivas, Parel, opp. Central Rly. Workshop.

Exclusively for Mental and Maternity cases, also general cases are treated. Has 14 beds. There is an Operation Theatre attached. It is a proprietary concern. Besides treatments mentioned it also offers electric shock, narcosynthesis, ice-water bath shock, the occupational therapy and psychoanalysis treatments, for mental diseases.

COLABA MATERNITY HOME AND DISPENSARY

3rd Pasta Lane, Colaba.

Open to all classes of people irrespective of caste, creed or race. Has eight beds. Patients are charged. Single Private Room for ten days with food and medical attendance, Rs. 200. Double Room for ten days with food and medical attendance, Rs. 150. It is a private maternity home owned, managed and run exclusively by Dr. Mrs. Kishni Anand. (Tel. 35992.)

COLONY NURSING HOME

Sir Bhalchandra Road, Matunga (Central Rly.).

Open to all classes and communities. Number of beds 22. Patients are charged. Special Room for Rs. 20 per day and general ward Rs. 10 per day. A fully equipped Operation Theatre is attached.

Doctors.—Dr. G. M. Phadke, M.B., F.R.C.S., *Surgeon*; Dr. V. N. Shirodkar, M.D., F.R.C.S., *Gynaecologist*.

KANCHANGAVRI MANGALDAS PAREKH MATERNITY AND GYNÆCOLOGICAL HOSPITAL AND DISPENSARY

Dr. Bhajekar Street, Sardar Vallabhbhai Patel Road.

Open for all. Number of beds—40. Charges for treatment of delivery for 12 days Rs. 40 inclusive of food, medicine, milk etc. expenses, except that admission to patients whose husband's income does not exceed Rs. 100, is free. Operation Theatre and Pathologist Department with the latest equipment attached. Charges are nominal. Operation is performed free if one cannot afford to pay. (Tel. 71191).

Honorary Staff.—*Hon. Consulting Obstetricians*, Dr. J. Jhirad, M.D. (Lond.); Dr. Chamanlal M. Mehta, F.R., F.F.S.G., L.M.; *Hon. Obstetricians*, Dr. Sarlaben L. Sheth, M.D., F.C.P.S.; Dr. Vasantiben K. Vakil, L.R.C.P., M.B.O.S., L.M.; *Hon. Physicians*, Dr. B. B. Yodh, M.B.O.P. (Lond.); *Hon. Surgeon*, Dr. Ramanlal T. Desai, F.R.C.S.E., D.L.O. (Lond.); *Hon. Pediatrician*, Dr. K. C. Shah, M.R.C.O.G. (Lond.), D.C.B.R.C.P. & S. (Eng); *Hon. Anaesthetists*, Dr. Janak H. Mehta, D.A.; Dr. Jamnadas J. Merchant, M.B., B.S.; Dr. Jugalkishor J. Merchant, D.A.; *Hon. Pathologist*, Dr. Ramesh C. Desai, M.D. (Path.).

KHATAU MAKANJI FREE DISPENSARY & BHATIA MATERNITY AND NURSING HOME

Fort.

The organization and management of this Home is undertaken in Bombay since 1922 by the Nursing Service Department of the Poona Seva Sadan Society, on the lines and conditions laid down for it, at the invitation of the late Seth Mulraj Khatau. Its aims are to render free medical aid of various kinds in a suitable form to the women and children mainly of the Bhatia Community in Bombay and the suburbs. The scheme is now managed under the direct supervision of the sons of the late Seth Mulraj Khatau and includes (a) one Antenatal and Infant Welfare Centre for women and children of mothers conducted by one lady doctor and (b) a Midwifery service at the homes all aiming at the reduction of the rate of high mortality among mothers and infants. The scheme has achieved most fruitful results in reducing the rate of mortality among mothers and infants.

LAXMIBAI MATERNITY HOME

96, D'Souza Street, Wadgaol.

Started by the late Mr. Keshavji Dhanji and the late Mr. Channabhai Paraj in memory of their mother Laxmibai. Open for Hindus. There are 26 beds. Treatment is free. Donations are however accepted if paid. The maternity home has an up-to-date Operation Theatre. (Tel. 24918.)

Hon. Physicians and Surgeons.—Dr. (Mrs.) Padmaben Mehta, M.D.; Dr. (Miss) Bharati Kothari, M.B., B.S., F.C.P.S.; Dr. (Miss) Radha Yagneshwar, M.B., B.S.; Dr. O. J. Shah, M.D., F.R.C.S.; Dr. M. C. Kothari, L.C.P.S. (*Hon. Superintendent*).

MARINE HOSPITAL AND MATERNITY HOME

5, New Marine Lines, Bombay 1.

This is a private institution started in April 1943 jointly by Dr. Parsram Bulchand M.B.E., M.B., B.S., Retired Civil Surgeon, his son Dr. Girdhari, M.B., B.S., and Dr. (Miss) Devi Vallram, M.B., B.S., L.M., D.C.O.G. (Lond.), Obstetrician and Gynaecologist.

It has 6 indoor beds and an operation theatre and a small clinical laboratory. Charges for an indoor patient are Rs. 5 to Rs. 10 per day, and an extra fee is charged for operations.

MODERN CLINIC

Near Prarthana Samaj, Sardar Vallabhbhai Patel Road.

Meant for all communities. Number of beds 6. Patients are charged at Rs. 8 per day per bed. Operation Theatre is attached. It is a proprietary concern owned by Dr. K. U. Jhatakia, M.D. and Dr. C. S. Worah, M.S. (Tel. 70106.)

Doctors attached.—Dr. K. U. Jhatakia, M.D., *Physician*; Dr. C. S. Worah, M.S., *Surgeon*; Dr. C. M. Kamdar, L.M., D.R.C.O.G., *Gynaecologist*.

NORTHCOOTE NURSING HOME LTD.

Ormiston Road, Apollo Bunder.

Open for all classes, communities and races. 27 beds for medical, surgical and maternity cases. Charges ranging from Rs. 20 to Rs. 35 per bed per day. A fully equipped Operation Theatre and a Labour Room are attached.

Mrs. V. N. Adenwalla; N. R. Adenwalla, *Managing Director*; R. C. Doodhmul; Dr. P. K. Antia, M.B., B.S., R.M.O.; Dr. B. R. Billimoria, F.R.C.S., R.M.O., Consulting Room in the Nursing Home. All the leading consultants bring their cases to this Nursing Home and treat them here. (Tel. 35123).

DR. PURANDARE MATERNITY, GYNÆCOLOGICAL HOSPITAL AND RADIUM INSTITUTE

4, Chowpatty Seaface.

Meant for all classes, communities and races. Number of beds—88. Patients are charged depending upon the type of operations performed, and nature of delivery. There is a well-equipped Operation Theatre.

Benign and malignant conditions of the female genital tract are treated with radium. Besides the histopathological department and Research Laboratory, departments of medical photography, X-ray and library are also attached to this hospital. (Tel. 23020).

Doctors.—Dr. N. A. Purandare, M.D., F.R.C.O.G., F.C.P.S.; Dr. B. N. Purandare, M.D., F.R.C.S., F.C.P.S., F.I.C.S.; Dr. V. N. Purandare, M.D.; Dr. V. P. Desai, L.M. & S., D.O.

TALWALKAR NURSING HOME AND MATERNITY HOSPITAL

153B, Hindoo Colony, next to Ruia College, Bombay 19.

Admits medical, surgical, eye, ear, nose, throat, fracture, Orthopaedic, fever and maternity cases under expert supervision of highly qualified doctors and is open to all members of medical profession, who may admit and treat their own cases. Stay charges Rs. 8 to 18 per day. Concession rates to cases staying for long time at the discretion of the Managing Committee.

DR. TILAK AND DR. KAIKINI'S SURGICAL AND MATERNITY HOSPITAL

831, Charni Road, Bombay 4.

Meant for all classes of people. Number of beds—30. Patients are charged. There is an Operation Theatre attached.

Doctors.—Dr. H. V. Tilak, F.R.C.S. (Edin.); Dr. V. M. Kaikini, F.R.C.S. (Edin.).

VIENNA CLINIC AND MATERNITY HOSPITAL

53, Portuguese Church Street, Dadar.

Meant for women only of all classes irrespective of any caste, race or community. It has eight beds. All are charged. Special, First and Second Class at Rs. 8 to Rs. 20 per day, inclusive of vegetarian food. There is an Operation Theatre attached. Private hospital. (Tel. 61306).

Proprietor.—Dr. Nagindas P. Shah, L.M. (Dublin), Z.U. (Vienna), J.P.

MEDICAL RELIEF

BOMBAY CITY RED CROSS BLOOD TRANSFUSION SERVICE

Red Cross Office, 141, Mint Road.

Chairman.—Sir Vithal N. Chandavarkar, Kt.; *Jt.-Hon. Secretary.*—Dr. H. S. Mehta, M.S., J.P.; *Hon. Secretary and Treasurer.*—Dr. (Mrs.) D. J. R. Dadabhoy, M.B.E., M.D., M.R.C.P. (Lond.), F.C.P.S.; *Superintendent, Blood Bank.*—Dr. (Miss) Gool N. Vazifdar, M.D., F.O.P.S.; *General Secretary.*—Capt. Khan Bahadur N. J. Vazifdar, M.B.E., L.M. & S., F.O.S. (Lond.), F.C.P.S., J.P.

GOVERNOR'S HOSPITAL FUND FOR BOMBAY

Allice Building, Hornby Road, Fort.

The object of the fund is to supplement the existing inadequate hospital accommodation in the City by the addition in the first instance of 850 beds as the first instalment of a scheme of ultimate extension to 2,000 beds, and after completion of the scheme to proceed with the scheme or any further instalment thereof and/or to continue the fund on a permanent basis on the lines of the King Edward's Hospital Fund for London.

Joint Secretaries.—Dr. J. A. Collaco, L.M. & S.; J. B. R. Jeejeebhoy.

KING GEORGE HINDU SANATORIUM

Nasik Road.

This Sanatorium founded in 1912 by the late Rao Bahadur Manaji Rajooji Kalewar, J.P., consisting of eight furnished blocks including utensils, one reading room and Rajoo Balooji Charitable Dispensary. For the upkeep of the sanatorium Rs. 25 per mensem are charged.

The climate is dry and healthy. Applicants should apply for the printed forms to the Managing Trustee, Prafulla Press, 380, Girgaum Road, Bombay 2.

LUXMI BAUG AROGYA MANDAL

C/o D. K. Kulkarni, Luxmi Baug, Slon.

AIMS AND OBJECTS: Provide Medical help. Cosmopolitan for residents of Slon.

SHREE RAMKUNVAR CHARITABLE X-RAY INSTITUTE

Ranade Road, Dadar (Western Rly.).

The above Institute was started on 4th November 1947 by Mr. Girdharlal D. Daftary and a Trust has been created for the said Institute and called Ramkunvar Charitable X-Ray Institute Trust. The main object is of providing cheaper X-ray and screening facilities to the public and other forms of electrical therapy at cheap rates to the public in order that an early diagnosis of Tuberculosis may be made by providing X-ray screening and other activities.

Trustees:—Sgt. Girdharlal Damodar Daftary; Dhiraajlal Damodar Daftary; Prabhulal A. Sanghavi; Dr. Shantilal P. Mehta, M.D.; Sgt. Velji Lakhamsahi Napoo, B.A., L.L.B., J.P.; Sgt. Vishnu-prasad D. Trivedi.

Managing Trustee:—Girdharlal Damodar Daftary.

Medical Superintendent:—Dr. S. P. Mehta, M.D.

Radiologist:—Dr. G. K. Kripalani.

ST. ELIZABETH'S NURSING HOME

Harkness Road, Malabar Hill, Bombay.

This Nursing Home is ideally situated facing the sea being within 2 minutes walk from Harkness Road Bus Stand. Patients may bring their own doctors under the care of Daughters of the Cross.

CHEAP HOUSING

GARIB ZARTHOSTIONA REHETHAN FUND

Rustom Building, Vir Nariman Street.

AIMS AND OBJECTS: Provide cheap accommodation for the poorer classes. Sectional—confined to Parsis only.

ACTIVITIES: About 40 buildings situated at Gilder Lane, Lal Chimney, Wadia Street, Cassinath Street and Dadar with a total accommodation for 300 families.

GAUD SARASWAT BRAHMIN CO-OPERATIVE HOUSING SOCIETY, LTD.

Saraswat Bank Building, Girgaon.

AIMS AND OBJECTS: To acquire land and buildings for housing members.

ACTIVITIES: Houses at Sitaladevi Temple Road, Mahim.

INDIAN SAILORS' HOME SOCIETY

Musjid Sliding, Bombay.

The Home, which is in Musjid Bunder Sliding Road, was founded to provide living accommodation for Indian Seamen of all creeds while in Bombay, and also to assist shipwrecked and distressed seamen with food, clothes, etc. It provides lodging for about 500 men.

The Society recently took over the Indian Seamen's Hostel from the Government of India which provides lodging for additional 500 men.

The Home was opened in 1931, as a memorial to the Indian Seamen who lost their lives in the war of 1914-1918 and whose names are recorded in the Memorial Hall which is a feature of the Home. The maintenance of the Home is met from donations from the Bombay Port Trust and Shipping Companies.

Office-Bearers:—L. T. Gholap, I.C.S. (*Chairman*); S. J. Pandya (*Dy. Chairman*); R. U. Patel (*Hon. Secretary*); I. B. Das Gupta (*Hon. Treasurer*); Syed Mahamad (*Superintendent*).

SAU BHRATRA SANGHA LTD.

14, Vasant Breezy Chambers, King's Circle, Bombay 19.

The Sangha was incorporated as a Company, limited by Guarantee in June 1951, under the Indian Companies Act VII of 1913. It has for its objects the alleviation of the lot of middle class people generally and, in particular, provision of houses for the homeless immediately by organising a homogeneous colony of people whose ways of life are identical. Subscription rates: Ordinary Members—Rs. 1/- per month and entrance fee Rs. 1/-. Life Members: Rs. 250/-.

SHETH HIRACHAND GUMANJI DHARAMSHALA

(Hirabag)

C. P. Tank Road, Bombay 4.

This Institution was founded by Messrs. Panachand, Maneckchand, Navachand and Premchand Motichand to perpetuate the memory of their father, Sheth Hirachand Gumanji and has for its object the provision of accommodation to high caste Hindus visiting Bombay.

Trustees:—Sheth Ratnachand Navachand, Thakordas Panachand, Thakordas Bhagvandas, Vrajilal Kevaldas and Ratnachand Premchand.

Secretary:—Ratanachand Premchand.

SIR RATAN TATA WELFARE CENTRE

Cawasji Jehangir Colony, Tardeo.

AIMS AND OBJECTS: Welfare work for the benefit of residents of the colony.**ACTIVITIES:** Sewing classes for women at the colony. Hindi literacy classes and sports. Play centre for the children.**ZOROASTRIAN BUILDING SOCIETY, LIMITED**

16, Horniman Circle, Fort.

Chairman.—Kavasji J. Billimoria, B.A., LL.B.**Hon. Secretaries.**—Dr. Dadiba Naoroji Saher, L.M. & S., and Merwanji J. Anlia, I.E.S. (Retd.)**Secretary.**—M. R. Patel.**Accountant.**—Jehangir H. Bhoot.**OBJECTS.**—To provide, at moderate rent, for the middle class and poor Parsis, well ventilated and conveniently situated houses, built on sanitary principles and to help them to acquire convenient and sanitary dwelling-houses of their own.**HOSTELS****KASHIBAI HERLEKAR HOME**

98, Deepak, Shivaji Park, Dadar

and

83, Cadell Road, Govind Bhuvan.

AIMS AND OBJECTS: To provide a shelter for decent ladies, women studying for profession, deserted wives and women in trouble. Sectional—for Hindu women only.**ACTIVITIES:** Two separate Homes in Shivaji Park where women share food and lodging expenses.**Secretary.**—Shantabai Kashalkar.**NARAYANRAO KULKARNI MEMORIAL WELFARE SOCIETY**

20, Hamam Street, Fort.

Aims and Objects.—The Society has established a cheap and charitable welfare institution at Alibag, viz., a HOLIDAY HOME for the use of members and their families who wish to go for a short change of air and intends to build a STUDENTS' HOME to provide cheap hostel accommodation for poor boys studying in High School. The motto of the Society is to help the helpless.**President.**—A. S. Padukone, B.Sc.; **Vice-President.**—Dr. S. S. Kulkarni, L.C.P.S., D.T.M.; **Jt. Hon. Secretaries.**—V. R. Kulkarni; B. N. Kulkarni.**ADULT EDUCATION INSTITUTIONS****BHAGINI SAMAJ, LAL BAUG**C/o Mrs. Indirabai Naik,
Datar Block No. 3, Kalyan.**AIMS AND OBJECTS:** Welfare of the Bhaginis in Lal Baug, and surrounding areas.**ACTIVITIES:** Lectures, exhibitions, etc. Manuscript magazine half yearly—"Mahila Jivan." Conducting Shikhu Vihar for boys and girls under ten years at Khatau Terrace, Lalbaug, Parel.**SOCIAL REFORMS INSTITUTIONS****ALL-INDIA WOMEN'S CONFERENCE**41, Queen's Barracks Foreshore Road.
Branches all over India.**AIMS AND OBJECTS:** Welfare of Women and Children. Promotion of ideals of citizenship, unity, peace. Cosmopolitan—for women only.**ACTIVITIES:** By-annual Conference. For activities in Bombay, see Bombay Branch. One Magazine—in English and in Hindustani "Roshni".**CENTRAL OFFICE:** Delhi. 36 branches in India.**ALL-INDIA WOMEN'S CONFERENCE, BOMBAY BRANCH**

41, Queen's Barracks, Churchgate Reclamation.

AIMS AND OBJECTS: Welfare of women and children, promotion of ideals of citizenship and Social Reform. Cosmopolitan.**ACTIVITIES:** Work done by Branches, situated in Greater Bombay as below: Thakurdwar, Parel, Shivaji Park, Fort, Mandvi, Vile Parle, Andheri, Goregaon, Ghatkopar, Khar and Dadar-Matunga.**ALUMNI ASSOCIATION OF THE TATA INSTITUTE OF SOCIAL SCIENCES**C/o Tata Institute of Social Sciences,
105-109, Ghodbunder Road, Andheri.**AIMS AND OBJECTS:** Promotion of Social Service Work. Cosmopolitan. For ex-students of Tata Institute of Social Sciences.**ACTIVITIES:** Initiation and organisation of social service movement, e.g., Indian Conference of Social Work, Debates, Lectures, etc.**ATHORNAN MANDAL**

Representative Body for Parsee Priests in India.

Navsari Building, 240, Hornby Road, Fort.

OBJECTS:—

- Amelioration, independence and raising of Status of Parsee Priests.
- Spreading true Zoroastrian tenets and culture for religious guidance of Priests and Laity.
- Dealing with enquiries on religious and ritual questions for guidance of Parsees.
- Maintaining Athornan Boarding Madressa at Dadar for secular, religious, ritual and ethical training and supplying efficient, educated and devout priests to Parsee Community. Run on donations only.

BHARATIYA STREE SEVA SANGH

C/o Bharatiya Vidya Bhavan, Chowpatty.

AIMS AND OBJECTS: Uplift of women and encouragement of Indian Arts and Crafts. Cosmopolitan.**ACTIVITIES:** Organisation of Shows and Exhibitions.**BOMBAY MAHARATHA SAMAJ**

Maharatha Samaj Gruha, Chamarbag Road, Parel.

AIMS AND OBJECTS: Welfare of Marathas. Sectional for all Marathas irrespective of caste, creed or religion.**ACTIVITIES:** Provides educational facilities and there is a project for an Assembly Hall.**'BRITISH WOMEN'S ASSOCIATION**C/o The Hon. Secretary, B.W.A.,
6, Apollo Street, Fort.**AIMS AND OBJECTS:** Promote social activities among members and welfare work in Bombay State. Membership of the Association is open to ladies resident in Bombay who are citizens of the United Kingdom and Colonies, of any Dominion overseas or of Eire.**DEPRESSED CLASSES MISSION SOCIETY OF INDIA**

112, Meadows Street, Fort.

Established in 1906 to promote education, provide work, and remedy the social disabilities of the depressed classes. Founder of Society, V. K. Shinde, B.A. Has a Hostel for boys at Parel, with a branch at Poona (Bhokarwadi, Nana's Peth).

President.—Dr. M. R. Jayaker, Bar-at-Law; **Hon. General Secretary.**—N. S. Kajrolkar, M.P.; **Hon. Asst. General Secretary and Treasurer.**—U. H. Kulkarni; **Supdt. of the Hostel.**—R. B. Chaudorkar.**HARIJAN SEVAK SANGH**

(Bombay Provincial Board)

C/o Congress House, Bombay 4.

The Harijan Sevak Sangh with its Headquarters at Delhi, with Shri G. D. Birla as President was formed after the epic fast of Mahatma Gandhi in September 1932. The Bombay Provincial Board is one of the 31 Provincial Boards of the Sangh all over India with 169 District Committees working under Delhi office.

The Board is working for the removal of untouchability and amelioration of Harijans.

President.—N. S. Kajrolkar, M.P.**Hon. Secretary.**—V. N. Puroa, J.P.

HIS HIGHNESS, THE AGA KHAN'S KHOJA SHIA IMMAMI ISMAILI COUNCIL

Khoja Jamatkhana, Khadak.

AIMS AND OBJECTS: Promotion of interests of the Khoja Shia Immami Ismaili Community.

ACTIVITIES: A court for hearing and deciding disputes and differences relating to betrothal, marriage, meher, divorce, maintenance, guardianship, conduct of members in Jamatkhana, etc. This work is done by a council of 12 members nominated by the Aga Khan.

INDIAN CONFERENCE OF SOCIAL WORK

16, Government Hutments, 6/A, Cooperage, Bombay 1.

An All-India body functioning as a national organization for the promotion of social welfare throughout India, founded in Bombay in November 1947. It has branches functioning in Assam, Bihar, Delhi, Hyderabad, Madras, Madhya Bharat, Mysore, Orissa, Uttar Pradesh, West Bengal and District Branches in Baroda, Broach, Colimbator, Nasik, Singhbhum (Jamshedpur) and a city branch in Greater Bombay.

It is affiliated to the International Conference of Social Work and maintains close contact with the Division of Social Affairs, United Nations at Lake Success and their Regional Office at Bangkok and many other international social welfare agencies all over the world.

The Central Office is situated in Bombay and it serves as a clearing house of information and a central body for planning, co-ordinating and collaborating social work in India. It also serves as the Regional Office of the International Conference of Social Work for the Far East with jurisdiction from Australia to Egypt.

JASMINE LADIES WELFARE UNION

5-A, Turner Road, Bandra

AIMS AND OBJECTS: General welfare of middle-class suburban ladies

ACTIVITIES: Classes held once a week in fancy-work, music, cooking, ladies' tailoring. Games and tournaments. Lectures in First Aid, nursing and mothercraft. Children's section is provided with many forms of games and sports

JHILLOBAI WADIA AND BHICAJI MODY CHARITABLE ENDOWMENT

Thakur Nivas, 173, Jamshedji Tata Road, Bombay 1.

AIMS AND OBJECTS: To employ trained social workers who will promote welfare work. Sectional

ACTIVITIES: A social worker is attached to the Parsi Charity Organisation Society.

LIAISON COMMITTEE FOR ORGANISATION OF PARSI CHARITIES

22-D, Parsi Bazar Street, Fort.

AIMS AND OBJECTS: Co-ordination of Parsi charities with a view to centralising investigation of applications and planning rehabilitation. Sectional—confined to Parsis.

ACTIVITIES: Investigation, diagnosis and treatment of relief cases. General rehabilitation and planned welfare of the community.

MAHARASHTRA MAHAR PANCHAYAT

B. M. Chawl No. 2, Room 13, Chandanwadi.

AIMS AND OBJECTS: To raise the social, and economic and educational level of all the Schedule Castes of Maharashtra. Confined to Schedule Castes.

MAHILA MANDAL

C/o V. W. Bhatt, 15, Vikra, Slon.

AIMS AND OBJECTS: Welfare work for the residents of Slon. Regional and cosmopolitan.

ACTIVITIES: Embroidery and literacy classes at Laxmi Baug, Slon.

SARASWAT BRAHMAN SAMAJ

Saraswat Bank Building, Nikadwari Lane, Girgaum.

The Samaj was started with the object of creating a healthy social feeling amongst the members of all the sub-sects of the Goud Saraswat Brahman Community in the Deccan.

SEVA MANDAL SANYUKTA SAMITI

C/o Shishu Vikas, Slon, Bombay 22.

AIMS AND OBJECTS: To co-relate the work of all Social Welfare Agencies in Bombay State. Regional—cosmopolitan.

THE FIRST PROVINCIAL CONFERENCE FOR THE BLIND

C/o Victoria Memorial School for the Blind, Tardeo.

AIMS AND OBJECTS: To deal with the problems of the blind and their welfare. Cosmopolitan.

ACTIVITIES: Meetings and conferences. Enlisting public sympathy through a Standing Committee for the benefit of the blind.

UNIVERSAL PRIMARY EDUCATION SOCIETY

C/o Social Service League, Sardar Vallabhbhai Patel Road.

AIMS AND OBJECTS: Study of problems of universal primary education with special reference to Bombay State. Cosmopolitan.

VANI VIHAR MAHA VIDYALAYA

(Choksi Bhavan, Bhlmani Street, Matunga)

Research Institute in Oriental learning.

Founder Principal, M. R. Gopalacharya, M.A.

Honorary Secretaries, H. S. K. Rao; S. P. Rao.

YOUTH WELFARE

BOMBAY PHYSICAL CULTURE ASSOCIATION

22, Nikadwari Lane, Girgaum, Bombay 1.

AIMS AND OBJECTS: Encouragement of physical culture. Cosmopolitan.

ACTIVITIES: Assisting the work of physical culture in schools, gymnasia, sports-clubs, etc.

PESTONJI D. MARKER PHYSICAL CULTURE HOME

Corner of Gunpowder and Dockyard Road, Mazagaon.

AIMS AND OBJECTS: Imparting physical culture to Parsi youth.

ACTIVITIES: Conducts a Physical Culture Home at Mazagaon under an expert.

SOCIETY OF PEACE AND PROGRESS

C/o Miss R. M. Raymond,

Tayeb Building, New Nagpada Road, Byculla.

AIMS AND OBJECTS: Youth Welfare.

ACTIVITIES: Supply of free milk and food to school children, helping youth to find employment. Study circles and social gatherings.

ZARTHOSTI UNATI DWARA

C/o M. J. Guzdar, Bombay House, Bruce Street.

AIMS AND OBJECTS: Organise Zoroastrian community life.

ACTIVITIES: Play centres, group games, indoor-games, cultural activities, debates, lectures, and educational outings and camps. *Centres*.—Noble Chambers, Parsi Bazar Street, Fort; Murazban Colony, Gilder Lane, Tardeo, with a library in Bode Block; At Nowroze Baug, Lal Baug, H-1; Diggy Tank Maidan, Station Road, Mahim; Malcolm Baug, Jogeshwari; A Central Cultural Circle at Udyog Ashram, Episcopalian Church, Baram Street.

ASSOCIATIONS IN BOMBAY

AKHIL BHARAT VARSHIYA MARWARI AGRAWAL JATIYA KOSH

227, Kalbadevi Road, Bombay 2.

OBJECTS.—To promote the interests of the members of the Marwar Agrawal community in religious, moral, intellectual, social, physical, commercial and political spheres by awarding scholarships, to help individual members of the community and by helping educational and other social institutions.

President: Madan Mohan Rula; *Vice-President:* Fatchchand Jhunjhanwala; *Joint Secretaries:* Niwas B. Bagarka and Tolaram Churiwala.

ALL-INDIA ANIMAL WELFARE ASSOCIATION

140, Shroff Bazar, Bombay 2.

President: S. K. Patil

Vice-Presidents: Ganpatishanker Desai; Jannadas Sethia.

Jt. Hon. Secys.: Mrs. Shera Noshir Vajifdar; Mrs. Mehra R. Vakil; J. N. Mankar.

Jt. Hon. Treasurers: Miss Freney Wadia; Mr. J. N. Mankar.

ALL-INDIA BOBBIN MANUFACTURERS' ASSOCIATION

Amar Building, Sir P. M. Road, Bombay 1.

OBJECTS.—To promote co-operation among manufacturers of bobbins, to regulate and standardise and preserve high standard of production and business integrity, to safeguard the interests of industry.

ENTRANCE FEE: Rs. 51; **ANNUAL SUBSCRIPTION:** Rs. 100.

OFFICE-BEARERS.—*President:* V. N. Shah; *Vice-President:* J. R. Engineer; *Hon. Secretary:* S. K. Khan; *Hon. Treasurer:* B. P. Koppikar; *Secretary:* I. N. Parekh, M.A.

ALL-INDIA BRUSH MANUFACTURERS' ASSOCIATION

Swadeshi Mills Estate, Bombay 4.

OBJECTS.—To encourage and assist production of brushes, brush-ware and brush materials in India, and to help development of brush making industry in India.

The business of the association is conducted by the managing committee.

MANAGING COMMITTEE: *Chairman*—Chhmanlal M. Shah; *Hon. Secretaries*—S. M. Doctor, M. B. Gidwan; *Members*—S. K. Karanjia, M. V. Sarlya, P. Rai.

ALL-INDIA EXPORTERS' ASSOCIATION

Churchgate House, Vir Nariman Street, Bombay 1.

OBJECTS.—To promote and protect the export trade of the Country and safeguard the interests of exporters in India by having an organised action on all matters relating to the export trade.

The Association has about 300 members on its rolls. It is a trade association recognised by the Govt. of India and is represented on the Port Textile Export Advisory Panel, Bombay. It is one of the sustaining members of the Indian Standards Institution, New Delhi.

OFFICE-BEARERS: *President:* Chinnobhai C. Javeri; *Vice-President* Purshotamdas R. Ashar.

ALL-INDIA FEDERATION OF MASTER PRINTERS

274, Tardeo Road, Bombay 7.

President.—J. C. Jain, M.A.

Vice-President—S. N. Guha Ray.

General Secretaries—Parmanand Sugnomal Mehra; K. C. Raman.

Treasurer.—S. Ramu.

ALL-INDIA KAYASTHA CONFERENCE

Co-operative Insurance Building, Sir P. M. Road, Fort, Bombay 1.

AIMS AND OBJECTS.—To break down restrictions on sub-castes; to abolish or amend local customs and usages in the social intercourse of the Kayasthas which may prove harmful to the progress of the community; to advance the spiritual, moral, physical, social, educational, material and economic progress of the community; to hold and conduct conferences of Kayasthas in different centres of India.

ALL-INDIA MANUFACTURERS' ORGANISATION

Industrial Assurance Building, opp. Churchgate, Bombay 1.

The object of the organisation is to promote the rapid industrialisation of the country on sound and progressive lines.

To achieve this objective, the organisation strives to propagate the ideal of industrialisation in all parts of the country to place before the industrialists the requisite information regarding technical, financial and organisational aspects of different industries and to study the various economic and industrial problems confronting the country and to suggest solutions for them. It has Provincial Boards at New Delhi, Calcutta, Nagpur, Madras, Bangalore, Ernakulam, Bombay and Patna and District and City Councils in important centres of industrial activity.

WORKING COMMITTEE.—*President:* Sir M. V. V. Varadachari; *Chairman:* Murarji J. Valdia; *Vice-Chairmen:* Lt.-Col. J. D. Kothawala, H. P. Merchant, A. G. Bandigowda, Hanaraj Gupta, Babulal Rajgarhia; *Jt. Hon. Secretaries:* Prabhu V. Mehta, N. S. Pochkanawala, B. D. Somani; *Hon. Treasurer:* Essuffally Mahomedally; *Secretary:* P. L. Badami, *Jt. Secretary:* S. P. Subramanian.

ALL-INDIA RADIO MERCHANTS' ASSOCIATION

Fatch Manzil, Opera House, Bombay 4.

OBJECTS.—To promote co-operation among persons, firms or companies connected with the wireless trade and industry in India, whether as manufacturers, importers, exporters, or wholesale or retail dealers or as persons interested in the sale, repair, servicing, insurance or hire of radio television or wireless goods with a view to their adopting a common policy and collectively taking such steps as may be deemed necessary or expedient to further and safeguard the interests of the radio trade and industry.

The Association has its central office at Bombay, and zonal offices at New Delhi, Calcutta, Madras and Bombay.

CENTRAL COMMITTEE.—*V. A. Fazalbhoy, President;* K. L. Bansal, S. C. Israni, R. K. Phatak, *Vice-Presidents;* J. R. D. Bakshi, *Hon. General Secretary;* V. C. Shah, *Hon. Secretary;* K. M. Parekh, *Hon. Treasurer;* *Committee Members:* Hari Krishan Lal, J. S. Monga, L. S. V. Easwar, A. J. Valla, P. M. Shaw, N. Sivashanker.

ALL-INDIA RESERVE BANK EMPLOYEES' ASSOCIATION

Reserve Bank of India, Fort, Bombay

President—Dr. Gyan Chand.

General Secretary.—A. S. R. Chari.

Asstt. Secretaries.—K. S. Mani; A. K. Sen.

Treasurer.—C. R. Sen Gupta.

Auditor.—T. Limmathwala.

ALL-INDIA SINDHWORK MERCHANTS' ASSOCIATION

Commissariat Building, 231, Hornby Road, Bombay 1.

Main object of the Association is to promote and safeguard the interests of the Indian Sindhi merchants, who are pioneers of India's overseas trade for over a century.

President: Purshotam H. Sabnani.

Vice-President: T. Murl.

Jt. Hon. Secretary: Hashmatrai T. Thadani.

AMATEUR CINE SOCIETY OF INDIA

C/o. J. B. Whyte & Co., 195, Hornby Road, Bombay 1.

THE OBJECTS OF THE SOCIETY ARE.—To bring together all classes of amateur cine photographers operating sub-standard sizes of film; to co-operate and pool their knowledge and resources with a view to providing keener interest and instruction in their hobby, of providing film, book and magazine library; to arrange for club competitions in scenario writing, film making, etc., in order to promote amateur efficiency; to encourage and help members to enter international competitions; to co-operate with similar societies elsewhere through the exchange of literature or copies of films.

OFFICE-BEARERS: *President.*—M. P. Polson, *Vice-President.*—M. B. Kajiji, *Jt. Hon. Secretaries.*—A. Q. Jalrazbhoy and Derrick Jefferies, *Hon. Treasurer.*—S. N. Somani.

ANDHRA MAHASABHA GYMKHANA, BOMBAY

Opp. King George High School, Hindu Colony, Dadar.

Objects.—1. Maintenance of reading rooms and libraries; 2. Opening of extension classes for Andhra children and promotion of adult education; 3. Promotion of Carnatic music; 4. Holding of lectures on educational, economic and social subjects; 5. Developing stage; 6. Organisation of sports; and 7. Co-operation with other institutions which have similar objects.

The Institution has sections for ladies and children.

President.—Dr. S. R. Rao.

Jt. Secretaries.—C. N. Das, B. S. Raju, B. P. Sarma.

ANGLO-INDIAN ASSOCIATION

PRESIDENT:—Vacant.
JT. HON. SECRETARIES:—S. A. Monte, P.O. Box 1251, Bombay;
 C. Joseph, P.O. Box 1251, Bombay.

ANTHROPOLOGICAL SOCIETY OF BOMBAY

Founded 1886, to promote the prosecution of anthropological research in India; to correspond with Anthropological Societies throughout the world; to hold meetings for reading and discussing papers; and to publish a journal containing the transactions of the Society. Annual subscription Rs. 10. Student Membership subscription Rs. 3. **President:** P. G. Shah, M.A., B.Sc., A.I.A.S. (Retd.). **Hon. Secretary:** Sapur E. Desai, B.Sc. **Asstt. Secretary:** K. P. Dastoor, M.A. **Office Address:** C/o K. R. Cama, Oriental Institute Building, 136, Apollo Street, Bombay 1.

ARYA SAMAJ

90-98, Bora Bazar Street, Bombay 1.

A social institution.

OFFICE-BEARERS:

President:—Maganbhai V. Patel.
Hon. General Secretary:—M. K. Amin.
Hon. Treasurer:—H. Sheena Poojary.

ARYAN EXCELSIOR LEAGUE

AIMS AND OBJECTS:—(1) To spread useful knowledge among the masses and especially among students. (2) To adopt measures from time to time for promoting loyalty, patriotism and devotion to duty. (3) To promote social intercourse and friendly feeling among all classes of people.

ACTIVITIES:—Free Moral Instruction Classes, Free Reading Room and Library, Free Medical Relief, a Ladies' Circle, Free Hemant Vyakhyan Mala, Boy Scout Troop.

ASSOCIATION OF AUTHORS, COMPOSERS & WRITERS OF INDIA

Kitab Mahal, 190, Hornby Road, Bombay 1.

The Association was formed in August 1939 with the object of protecting the rights and property of all those who create copyrightable material of whatever kind or nature; to advise and assist all such in business matters relating to the disposal of their productions and to obtain for them prompt remuneration therefor.

ASSOCIATION OF ELECTRICAL UNDERTAKINGS, BOMBAY STATE

Killick Building, Home Street, Bombay 1.

This is the Bombay State's association of electric supply companies which was registered in December 1940. The objects of the Association are:—To promote, advance and develop the science, practice and business of generating, accumulating and supplying of electrical energy in the State, to protect and safeguard the rights, privileges and interests of the Association and to give to Government, Municipalities and other public bodies information and advice on matters affecting the industry.

PRESIDENT:—K. G. Milne; **VICE-PRESIDENT:**—N. C. Javeri; **MEMBERS OF THE COUNCIL:**—M. B. Lukman, G. D. Morarka, J. A. Colaco, P. E. Patel, L.E.E., A.A.I.E.E., J. R. Mehta, M. J. Manecjki, N. N. Adajania, K. S. Guzder, D. H. Nariman, B. D. Sonani; **SECRETARY:**—R. P. Aiyer.

ASSOCIATION OF INDIAN IMPORTERS OF DYE STUFFS

Fort Chambers, Hamam Street, Fort, Bombay 1.

The objects of the Association are, among others, to promote and protect the trade and business of Indian importers of dyestuffs and allied chemicals and the business of dealers relying on them; to promote and advance commercial and technical education which may tend to develop the dyestuffs trade and allied industries in India; to organise departments for purposes of research work, etc., etc.

Membership is open to any Indian individual, firm or company importing dyestuffs and allied chemicals or products into India.

PRESIDENT:—J. H. Doshi; **SECRETARY:**—Ishu N. Kaji.

ASSOCIATION OF INDIAN INDUSTRIES

Industrial Assurance Building, Churchgate, Fort, Bombay 1.

An organisation for the promotion and protection of Indian industries.

This Association is an organisation of industrialists, factory owners and manufacturers. Its main objects are to encourage, develop, promote, organise and protect industries of all descriptions of this country.

PRESIDENT:—C. P. Shah; **VICE-PRESIDENTS:**—N. H. Mapara; R. M. Agrawal; **JT. HON. SECRETARIES:**—H. Rancy, D. M. Desai; **HON. TREASURER:**—Nagindas G. Shah; **SECRETARY:**—S. P. Subramanian.

ASSOCIATION OF MERCHANTS AND MANUFACTURERS OF TEXTILE STORES AND MACHINERY (INDIA)

Sir Vithaldas Chambers, 16, Apollo Street, Bombay 1.

OBJECTS:—To promote co-operation among Indian firms, companies, corporations or persons connected with the textile stores and machinery, dyes and chemicals trade and industry situated anywhere in India; to regulate and standardise trade terms, payments and other business practices and to arbitrate in disputes arising in the textile stores and machinery trade and industry.

PRESIDENT:—Balakrishna K. Mehta; **HON. SECRETARY:**—B. M. Ghia; **SECRETARY:**—M. M. Gandhi.

ASTHIKA SAMAJ

Asthika Samaj Building, King's Circle, Matunga, Bombay 19.

The aims and objects of the Samaj are the cultivation of devotion to God, the promotion of the spirit of brotherhood, service amongst members, and the establishment of a temple of worship and of a cultural centre wherein members may worship, meditate and meet together on an equal status for the promotion and advancement of their spiritual and religious knowledge. Membership open to South Indian Hindus. The Samaj owns a spacious hall in a central locality in Matunga which is also made available for all Hindus to have religious ceremonies performed. The Samaj has 6 Patrons, 68 Life Members and about 400 Ordinary Members. It was established in 1924 and has completed 25 years of service.

PRESIDENT:—Dr. S. R. Ramachandran; **JT. HON. SECRETARIES:**—K. S. Padmanabhan, V. K. Moorthy.

BALKAN-JI-BARI

AKHIL HIND BALAK SANGH
 (THE ALL-INDIA CHILDREN'S ASSOCIATION)
 'Gullistan', Khar, Bombay 21.

An Association of children started in 1926. Children of its various local units in Bombay and Suburbs and all over India, in Assam, Gujarat, Maharashtra, South India, U.P., M.P., Delhi, Bihar, Rajasthan, Bengal and other States meet frequently for stories, songs, games, arts, handicrafts, picnics and excursions. Activities consist of periodical meetings, libraries, museums, outings and publication of 'Children's Corners' in papers of the different States. The Association conducts a monthly Sindhi magazine 'Gullistan' and an English journal *The Home and the World*. It also runs Child Welfare Workers' Training Classes.

Chief Patron:—Dr. Rajendra Prasad; **President:**—Smt. Vijayalakshmi Pandit; **Chairman:**—Smt. A. John Mathai; **Vice-Chairman:**—Smt. M. R. Masani; **Gen. Secretary:**—Shewak Bhojraj.

BILLAWAR ASSOCIATION

17, Raghunath Dadaji Street, Fort, Bombay 1.

Aims and Objects: Encouragement of education by grant of scholarships and freeships to deserving poor students, conducting free reading room and library, dispensary and schools, and granting general help to deserving persons. Conducts ladies free industrial and handicrafts class. Training in embroidery work, knitting, needle work, etc., is given by experts and lectures on important subjects pertaining to the welfare of ladies are also arranged. The strength of this institution is 65 and keen interest is evinced by one and all interested women. Membership strength 2,000. Maintains volunteer corps consisting of 45. Rendered help to the poor to the extent of Rs. 20,000 in fulfilment of the above objects.

President:—B. M. Kotian
Secretary:—T. Thanlya.

BOMBAY ACCIDENT INSURANCE ASSOCIATION

6, Rampart Row, Bombay 1.

The objects of the Association are to unite all companies transacting accident insurance business, to take action in all matters affecting their common interest and welfare and to issue tariffs, regulate the rating of risks and establish rules for the conduct of the business generally throughout the area controlled by this Association.

BOMBAY ADVOCATES' ASSOCIATION

Small Causes Court, Carnac Road, Bombay.

The aims and objects of the Association are to raise and maintain the professional status of advocates, especially those practising in Bombay, to consider and make suggestions and representations concerning the law, practice, procedure and constitution of the courts, legislation and other matters affecting the public in general and the legal profession in particular.

Office-Bearers.—A. S. Davar, B.A., LL.B., *President*; D. S. Doodhar, B.A., LL.B., *Vice-President*; M. D. Khandwala, B.A., LL.B., *Hon. Treasurer*; D. L. Dahal, B.A., LL.B. and N. H. Helekar, B.A., LL.B., *Jt. Hon. Secretaries*.

BOMBAY AMATEUR BOXING FEDERATION

"The Recluse", 31, Murzban Road, Bombay 1.

The Federation controls all amateur boxing in Bombay State and has about 40 clubs affiliated besides individual members. It is affiliated to the Indian Amateur Boxing Federation and the corresponding member in the U.K. is H. V. Polnton, Fulbourne Road, Walthamstow, London, E 17. Western India Championships for seniors are decided every year at an open tournament and junior championship tournament is also conducted every year.

President: Oscar H. Brown, C.F.E., O.B.E., Bar-at-Law; *Vice-Presidents*: Commander C. D. Sethna, O.B.E., R.L.S., A. A. Jasdnyah, J.P., *Jt. Hon. Secretaries*: W. Abraham, J.P.; F. W. Hanson, *Hon. Treasurer*: W. Abraham, J.P.

BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

Town Hall, Bombay 1.

Founded in 1804 to investigate and encourage Oriental Arts, Sciences and Literature. Annual subscription Rs. 60. *President*: Mr. Justice M. C. Chagla.

BOMBAY CITIZEN'S LEAGUE

Sunectha, Ridge Road, Malabar Hill

President.—Sir Purshotunddas Thakurdas.**BOMBAY COMMISSION AGENTS' ASSOCIATION**

Sal Bhuvan, Princess Street, Bombay.

President.—Bhagwan Ramchandra Parulekar; *Vice-President*.—Shivram Raghoba Prabhu, *Secretaries*: Anant Gahanashyam Shetye, Channappa Mallappa Handigund, *Treasurer*: Vithal Raghoba Prabhu Shirodkar.

BOMBAY CUSTOM HOUSE CLEARING AGENTS' ASSOCIATION

46, Veer Nariman Street, Bombay 1.

Aims & Objects.—(a) To encourage and promote a friendly feeling and unanimity among the Bombay Custom House Clearing Agents on all subjects involving their common good; (b) To secure organised action on all subjects relating to the interest of the Bombay Custom House Clearing Agents directly and/or indirectly.

Chief Office-Bearers.—*President*: Karsandas Tulidas Khimji; *Vice-President*: K. F. Vakkel; *Treasurer*: Erushaw D. Mistry; *General Secretary*: R. C. Ghandy; *Secretary*: P. M. Khambatta.

BOMBAY DIAMOND MERCHANTS' ASSOCIATION

Zaveri Bazar, Dhanji Street, Bombay 3.

The Association consists of diamond merchants and those dealing in diamonds.

The aims and objects of the Association are to safeguard the rights and interests of its members and improve the trade.

President.—Amratlal V. Jasanli.*Vice-President*.—Ratllal C. Kothari.*Hon. Secretaries*.—Jayasukhlal D. Jhaveri and Shantilal G. Jhaveri.**BOMBAY EUROPEAN RELIEF ASSOCIATION**

115, Love Lane, Mazagon, Bombay 10.

The Association was established in 1900, to take over and carry on the work of several charitable institutions, to give relief to destitute Europeans and Anglo-Indians, to be the recognised medium of such relief and to prevent indiscriminate charity and check imposition and fraud, and to provide, if necessary, homes and workshops for the needy. The Association is managed by a General Committee with Sub-Committee for the various institutions.

General Committee.—R. E. Peters (*Chairman*); Major H. R. Henderson (*Honorary Treasurer*); E. Woolridge (*Secretary*).

The following are the institutions affiliated to the Association:—

Poor Fund.—Relief given by small cash payments, old clothing, payment of railway fares, etc. The Poor Fund Sub-Committee meet twice a month to deal with applications.

European Pensioners' & Widows' Home, Mazagon.—Provides accommodation and meals for destitute widows.

Strangers' Friend Society.—European Relief Home, 115, Love Lane, Mazagon, provides food and shelter for men in distressed circumstances and those seeking employment. *Superintendent*.—R. C. Bruce.

BOMBAY FIRE INSURANCE ASSOCIATION

Jacob Sassoon Building, 6, Rampart Row, Bombay 1.

The objects of the Association are to unite all fire insurance companies (through the local representatives) transacting business in Bombay to secure joint action in all matters affecting the interests of such companies, and to establish and enforce rules for the working of Fire Insurance business generally throughout the area controlled by this Association.

BOMBAY GEOGRAPHICAL ASSOCIATION

C/o Byramjee Jeejeebhoy Institution, 33, Queen's Road, Bombay 4.

The Bombay Geographical Association was started in Bombay in 1935 by the late H. L. Kaji, Dr. A. S. Kalapesi and other educationists with the object of promoting Geographical knowledge and improving the methods of teaching Geography. These objects are to be secured by (a) Holding meetings where lectures, addresses and papers shall be delivered, read and discussed; (b) Organising Geographical exhibitions, excursions and conferences; and (c) Starting a Geographical journal and organising a geographical library and museum.

The Association is holding periodical diploma courses, refresher courses and summer school for geography teachers.

Patron.—Dinkarrao N. Desai.

President.—C. P. Budrani, B.A., B.T., T.D. (London); *Vice-Presidents*.—S. Nurullah, Dr. A. S. Kalapesi, V. D. Ghate, B. N. Valdyia, B. M. Kapadia, V. R. Nerurkar, C. B. Joshi, R. S. Gaitonde, S. N. Havewala.

Secretaries.—C. V. Ganesan, A. J. Joshi; *Treasurer*.—P. B. Bamboat.

BOMBAY HARDWARE TRADERS ASSOCIATION LTD.

Taber Mansion, Narayan Dhuru Cross Lane, Bombay 3.

Aims: To protect the interests of the Hardware trade and their members.

President.—Naraindas Ranchhoddas Surname.*Hon. Secy*.—Parelal P. Talwar.**BOMBAY HOMOEOPATHIC ASSOCIATION**

311, Tardeo Road, Bombay 7.

Objects:—To inform the public of the benefits of homoeopathy; to promote the practice of genuine homoeopathy; to impart systematic education in homoeopathy by establishing a college or classes and establish a hospital and charitable dispensaries. At present the Association conducts two charitable dispensaries.

President.—M. M. Pakvasa.*Vice-Presidents*.—Dr. A. C. Das, Charandas Megji.

Governing Council.—N. C. Vakil, B.A., LL.B., Bar-at-Law (*Chairman*); Dr. S. E. Phatak, M.B.B.S. (*Vice-Chairman*); C. C. Vakil, B.A., LL.B., Solic. and B. V. Pakvasa, B.A., LL.B. Solic. (*Jt. Hon. Treasurers*); Dr. K. L. Ray and N. N. Majmudar, Adv. (*Jt. Hon. Secretaries*); Dr. K. Surendranath; N. T. Nanavati, B.A., LL.B., Adv.; V. S. Kir and G. L. Koppikar (*Members*).

BOMBAY INCORPORATED LAW SOCIETY

118, Mahatma Gandhi Road, Bombay 1.

The general object of the Society is to support the legal profession and particularly the status and interests of solicitors and attorneys practising in the Bombay State, and to promote honourable practice. The Society are the successors of the former Bombay Law Society established in the year 1861. Annual subscription Rs. 12. The Society has 386 members on its roll.

President.—Tricumdas Dwarkadas; *Hon. Secretary*.—M. B. Madgavkar; *Hon. Asstt. Secretary*.—B. T. Merchant.

BOMBAY INSURANCE BROKERS' ASSOCIATION

19, Bruce Street, Bombay 1.

Objects.—This Association has been started chiefly to afford all possible facilities to insurance brokers, to raise their status, to develop in them fitting professional characteristics, and to help to bring out such insurance brokers as can command the respect and confidence of the public.

OFFICE-BEARERS

Directors.—M. M. Patel, M. N. Shanghavi, J. E. Papa, K. S. Popat and R. J. Ashar, Ashruff Dharamsey and Jethabhai Narsey.

President.—M. M. Patel; *Vice-President*.—P. N. Mehta; *Jt. Hon. Secretaries*.—M. N. Shanghavi and J. D. Nagda; *Jt. Hon. Treasurers*.—R. J. Ashar and Khimji S. Popat.

BOMBAY JOINT TOWN PLANNING COMMITTEE

Mercantile Bank Building, Mahatma Gandhi Road, Bombay 1.

A non-official body on which are represented leading commercial, civic and engineering organisations in Bombay. The aims and objects *inter alia* include investigation and advising on town and traffic planning, formulation of master plans for cities, etc.

Chairman.—N. V. Modak, C.I.E., B.E. (Bom.), M.I.C.E., M.I.E. (Ind.), M.I.M.

Hon. Secretary.—D. S. Venkatraman.

BOMBAY KERALATEYA SAMAJ

Road No. 2, Hindu Colony, Dadar.

Established in 1930 purely for the social, moral, economical and cultural advancement of Keralites in Bombay. The Samaj is running an Ayurvedic dispensary, a free reading room & library, a sports club, and a Malayalam quarterly journal *Visalakeralam*.

President.—N. Balakrishna; *Chairman*.—A. Narayanan; *Secretary*.—M. N. Kurup; *Treasurer*.—T. K. Warier; *Editor*, *Visalakeralam*.—N. R. Nayar; *Physician*.—M. C. K. Namboodiri (L.I.M.).

BOMBAY LEGAL AID SOCIETY

Hamam House, Hamam Street, Bombay 1.

The object of the Society is to co-operate with the judiciary, bar and organisations interested in the administration of justice, so as to make justice more readily accessible to the poor.

Patron.—Mr. M. C. Chagla, Chief Justice of Bombay.

President.—Framroze A. Vakil. *Hon. Secretary*.—Nayan H. Pandia.

BOMBAY LIBRARY ASSOCIATION

People's Free Library, Dhobi Talao, Bombay 2.

OBJECTS.—To promote library service and librarianship mainly within the Municipal limits of Greater Bombay and to carry on educational activities in general for the purpose.

BOMBAY MEDICAL UNION

Blavatsky Lodge, French Bridge, Chowpatty, Bombay 7.

Founded in 1883 to promote friendliness and exchange of views and experiences between its members and to maintain the interest and status of the medical profession in Bombay State. *President*.—Lt.-Col. R. A. Davar; *Vice-Presidents*.—Dr. G. Coelho, Dr. B. A. Shete; *Hon. Librarians*.—Dr. N. J. Doshi, Dr. K. N. Baria; *Hon. Treasurer*.—Dr. R. A. Valdia; *Jt. Hon. Secretaries*.—Dr. H. G. Patel, Dr. Dars R. Hakim.

BOMBAY NATURAL HISTORY SOCIETY

114, Apollo Street, Bombay 1.

Founded in 1883 to promote the study of Natural History in all its branches. The Society has a membership of about 1,400 all over the world and a museum with a representative collection of the different vertebrates and invertebrates found in the Sub-continent and Ceylon. In 1921 the Society was entrusted with the management of the Natural History Section of the Prince of Wales Museum, and a great part of the Society's collections have been transferred to that Museum. A journal is published three times during the year which contains articles on natural history and sport as well as descriptions of new species and local lists of different orders. The Society's library is open to members and books may be borrowed under special arrangement by members residing in the metropolis.

BOMBAY NURSES, MIDWIVES AND HEALTH VISITORS' COUNCIL

Old Yacht Club Building, Apollo Bunder, Bombay 1.

Objects.—To ensure uniformity in the system of training nurses of affiliated nursing associations and training institutions and to provide for the examination, grant of certificates, registration of nurses, midwives, assistant midwives, health visitors and provident fund.

President.—Dr. B. B. Dikshit, M.B., M.R.C.P.

Registrar.—P. N. Mazumdar, M.A. (Lond.), LL.B.

The Council consists of 21 members of whom the Surgeon-General with the Government of Bombay (ex-officio) is the President.

BOMBAY OILSEEDS EXCHANGE LTD.

Jenabai Building, Musjid Bunder Road, Bombay 3.

The Bombay Oilseeds Exchange Ltd. regulates trading in oilseeds for hedge, forward and ready delivery contracts under the Bombay Forward Contracts Control Act, 1947 being recognised for this purpose by the Government of Bombay. It maintains a survey department.

President.—Ramdas Kilachand; *Secretary*.—Bijin R. Chudai.

BOMBAY PARSİ ASSOCIATION

Objects.—To promote unity and brotherhood amongst the Parsi Zoroastrians of Bombay. To assist Parsi residents in particular in municipal and other civil matters. To relieve poor Parsis from the clutches of Pathan and Marwadi money-lenders. To encourage the study of Ancient Persian History amongst the rising generation. To settle disputes amongst Parsees by arbitration. To hold Social gatherings to discuss communal questions. To hold competitions amongst Parsi youths in public speaking.

Patrons.—Vicejoe Ardeshir Taraporvala, F.R.I.B.A.; Dr. D. N. Saher, L.M. & S., J.P.; Vicej F. Taraporvala, Bar-at-Law; Mrs. Khorshedbanu K. J. Dubash.

President.—Vicejoe Ardeshir Taraporvala, F.R.I.B.A.; *Vice-Presidents*.—K. J. Dubash, J.P., B.A., LL.B., Solicitor; Major S. R. Bamji, M.B.E., J.P.; B. M. Daruwala; *Hon. Joint Treasurers*.—Marzban C. Master and H. M. Majoo, F.C.I., A.M.I.R.A.; *Hon. Joint Secretaries*.—H. M. Majoo and T. B. Chinoy.

BOMBAY PARSİ TEXTILE LEAGUE

Prospect Chambers Annexe, Hornby Road, Fort.

The object of this League is to safeguard the interests of all Parsees employed in textile industry.

President.—F. H. Mehta; *Vice-Presidents*.—Major S. R. Bamji, F.R.S.A., M.B.E., J.P.; C. M. Badsha; D. D. Chothia; *Hon. Jt. Secretaries*.—J. F. Shroff and Godrej Vakharia; *Hon. Jt. Treasurers*.—K. M. Mehta and B. M. Daruwala.

BOMBAY PIECE-GOODS MERCHANTS' ASSOCIATION

Mulji Jetha Cloth Market Hall, Shaik Memon Street, Bombay 2.

Office-Bearers.—Purshottam Mulji Kapadia, Advocate, *Chairman*; Padamsey D. Govindji, *Deputy Chairman*; Himatlal T. Muni, Navatlal L. Shah and Ratilal Shah, *Joint Hony. Secretaries*; Haridas Chaturbhuj, *Hony. Treasurer*.

Objects of the Association.—To promote the business of the piece-goods trade in general in Bombay; to protect the interest thereof; to try to remove all the trade difficulties and to hear disputes that may be referred to for arbitration, etc.

BOMBAY PORT HAJ COMMITTEE

Mahomed Haji Saboo Siddick Musafirkhana, Musafirkhana Road, Bombay 1.

Objects are to render every possible service to pilgrims to the Hejaz by disseminating useful information, assisting them in vaccination, inoculation, medical inspection, issue of pilgrim passes, giving relief to indigent pilgrims and doing such other duties connected with the pilgrim traffic as may be entrusted to it by Government. The Committee has also been empowered to negotiate and co-operate with railways and shipping companies for securing travelling facilities for pilgrims to bring their grievances to the notice of the authorities concerned and suggest remedies.

Chairman.—Haji Hasanally P. Ebrahim, M.L.A.

Vice-Chairmen.—Haji Ahmed Haji Abdulla and A. K. Safree.

Offg. Executive Officer and Secretary.—M. S. Raiba.

BOMBAY PORT TRUST EMPLOYEES' UNION

Port Trust Kamgar-Sadan, Nawab Tank Road, Mazagon, Bombay.

The aims and objects of the Union are (a) to promote friendly feelings and to foster a spirit of brotherhood and co-operation among the employees of the Port Trust; (b) to consider the question of their various disabilities with regard to their work and wages and to try to bring about their removal by all lawful and constitutional means; (c) to promote friendly and harmonious relations between the employees and their superior authorities; (d) to maintain funds for the relief of members when sick or in distress and for the relief of dependents of the deceased members; (e) to improve the conditions of the employees by instituting schemes of benefit, insurance, provident fund, co-operative societies, medical relief and such other kindred benefits; and (f) generally to ameliorate the social, educational and economic condition of the employees and their dependents.

President.—Asoka Mehta; *Vice-President.*—Adam Adil; *General Secretary.*—Shanti Patel; *Treasurer.*—B. M. Bahadurji.

BOMBAY PORT TRUST RAILWAYMEN'S UNION

Office: B. P. T. Frere Land Estate, Kalachowky, Bombay 12.

The aims and objects of the Union are: to invite and promote harmony, fellowship, co-operation and social intercourse among its members, and also to help them to represent to the Authorities concerned in a constitutional manner their just grievances and requests, abolition of colour and racial distinctions as well as privileges and favouritism in respect of their service and treatment, etc., etc.

BOMBAY PRESIDENCY ADULT EDUCATION ASSOCIATION

136, Apollo Street, Bombay 1.

Activities.—Extension courses of collegiate grade for educated adults; free literacy and post literacy and continuation classes; free popular Science courses in Marathi and Gujarati for primary teachers and persons interested in scientific subjects; free reading rooms and libraries at Byculla and 136, Apollo Street, Bombay; free public lectures are arranged on current problems.

President.—Sir I. H. Taunton, Kt.; *Vice-Presidents.*—Dewan Bahadur K. M. Jhaveri; The Rev. Fr. J. Dühr; *Hon. Treasurer.*—Commander C. B. Sethna; *Jt. Hon. Secretaries.*—Miss Amy B. H. J. Rustonjee; Prof. R. Choksi; Principal C. A. Christie.

BOMBAY PRESIDENCY ASSOCIATION, 1885

107, Esplanade Road, Bombay 1.

The Association advocates and promotes the public interests of this country by all legitimate and constitutional methods, such as holding meetings, whenever necessary or expedient, for the discussion of public affairs; preparing and submitting memorials to the State or Central Government for the removal and prevention of injurious measures and the introduction of others which may be calculated to promote the general interest of this country; and by taking such other action as may be conducive to the accomplishment of the purposes in view.

President.—Sir Cowasji Jehangir, Bart.; *Hon. Secretaries.*—Naushir Bharucha and L. X. Rego; *Asst. Secretary.*—V. R. Bhende.

BOMBAY PRESIDENCY TRADES ASSOCIATION, LIMITED

6, Rampart Row, Bombay 1.

Affiliated to the Indian & Eastern Association for Promotion & Protection of Trade, Ltd., London.

And Federation of Trades Associations of India, Delhi.

Objects.—To promote the interests of the Trading Community of the Bombay State, collect and distribute information to protect members from loss or damage, arbitrate disputes, collect debts due to members, circulate statistics and information relating to trade, etc.

Office-Bearers.—*Master:* J. B. McMillan; *Dy. Master:* E. B. Pratt; *Hon. Treasurer:* D. J. Khajotia, B.A.; *Hon. Secretary:* E. J. Hawes, M.C., J.P.

BOMBAY PRESIDENCY WOMEN'S COUNCIL

Town Hall, Bombay 1.

Objects.—To associate women of all races in the Bombay State, for their mutual help and the service of others; to further in every way, as may be deemed advisable, the interests and advancements of women in India, and to train women in the responsibilities of citizenship.

Relationship.—The Bombay Presidency Women's Council is federated to the National Council of Women in India which is federated to the International Council of Women.

Membership.—(a) 900 members. *Affiliated Societies:* 31. Branches: 5.—Ahmedabad, Belgaum, Poona, Sholapur and Dharwar.

President: Mrs. F. D. Nanavati; *Vice-President:* Mrs. D. S. Buhlic; *Hon. Treasurer:* Mrs. R. G. Saranya; *Hon. Secretary:* Mrs. Shera S. Oomrigar.

BOMBAY PRESIDENCY WOMEN GRADUATES' UNION

Objects.—(a) To act as an organisation which may afford opportunities for the expression of united opinion and concerted action by University women. (b) To facilitate intercourse and co-operation between University women and enlist their interest in and connection with academic life. (c) To get itself affiliated with associations aiming at similar objects. (d) To award scholarships and book-money and (e) Generally to promote the interests and welfare of women in India.

BOMBAY PRESS-OWNERS' ASSOCIATION

196B, Gaiwadi, Girgaum, Bombay 4.

Started on 30th April 1919, to promote the interests of the printing and litho presses and allied trades, to bring about harmony and co-operation among press-owners and workmen and to take such steps as may be necessary in furtherance of the above object.

Honorary Secretary and Treasurer.—M. C. Modi.

BOMBAY PROVINCIAL HOCKEY ASSOCIATION LTD.

'D' Road, Lloyds Reclamation, Churchgate, Bombay 1.

President.—N. H. Tata.

Hon. Secretary.—J. Gonsalves; *Hon. Treasurer.*—K. Ziauddin.

BOMBAY PROVINCIAL OLYMPIC VOLLEY BALL AND BASKET BALL COUNCIL

The Times of India Building, Bombay 1.

Objects.—To encourage, promote and regulate on a strictly amateur basis the games of basket ball and volley ball in the whole State; To organise, conduct and supervise tournaments in the State; To train up referees and officials in the city and maintain a register of qualified referees and officials; generally to do such other things as are conducive to the attainment of the above objects.

Chairman: S. G. Vengsarkar; *Vice-Chairman:* M. C. Kapadia; *Members:* P. S. S. Iyer; V. A. Chandran; N. S. P. Saugar; S. H. Bhoot. *Hon. Secretary:* Khan Saheb M. I. Baig.

BOMBAY SANITARY ASSOCIATION

Princess Street, Kalbadevi, Bombay 2.

OBJECTS.—(a) To create an educated public opinion with regard to sanitary matters in general; (b) to diffuse the knowledge of sanitation and hygiene generally, and of the prevention of the spread of disease amongst all classes of people by means of lectures, leaflets and practical demonstrations, and by holding classes and examinations; (c) to promote sanitary science by giving prizes, rewards or medals to those who may by diligent application add to our knowledge in sanitary science by original research or otherwise; (d) to arrange for homely talk or simple practical lectures for mothers and girls in the various localities and different chawls. The Association has a building of its own—The Sanitary Institute—at Princess Street.

The Institute provides a lecture room, a library of standard literature on sanitation and hygiene and a museum of sanitary appliances. It has also a bureau for information and a teaching centre on subjects connected with the problems of Public health. Popular lectures and practical demonstrations are given from time to time by distinguished persons on subjects connected with sanitation and hygiene.

Hon. Secretary & Treasurer.—Dr. V. V. Puri, M.B.B.S., D.P.H., D.T.M.

BOMBAY SHROFFS ASSOCIATION LTD.

233, Shroff Bazar, Bombay.

Objects :—To foster harmony among shroffs and commission agents; to make rules and regulations for Hundi; to promote indigenous banking and to protect the interests of both and discuss matters relating thereto, to correspond with public bodies and others in matters pertaining to the objects of the Association and to make representations to the Local and Central Governments on any matter affecting trade, commerce, banking and industry of the country; to hear and decide matters referred for arbitration.

This Association maintains a commercial library which contains a fairly large number of books on Finance, Banking, Industry and Commerce. It always supplies Hundi Forms in Gujarati to its members as well as non-members almost at the cost price, so as to bring into use one standard Hundi Form throughout India.

President :—Sheth Jayantilal M. Shah; **Vice-President** :—Sheth Mohanlal Ambalal Parikh; **Treasurer** :—Sheth Tribhovanadas Bhalakhai; **Hon. Secretaries** :—Sheth Shankarlal C. Sura, Sheth Bipinchandra Kantilal; **Secretary** :—Ishwarlal Sarabhal Parikh. B.A., LL.B.

BOMBAY SOCIETY OF MODEL ENGINEERS

Noble Chambers, Rooms 23 and 24, Parsi Bazar Street, Bombay 1.

The Society was established to develop the rich potentialities of handiwork and craftsmanship of the younger generation and to bring together all lovers of handicrafts and model engineering. Its activities include hobbies like model engineering from Meccano outfits, model railroading, fretwork, carpentry, model aeronautics, model yacht and shipbuilding, wood-turning on lathe, metal turning on lathe, etc.

AIMS AND OBJECTS :—(1) To afford opportunities to those boys who have the initiative in them but are unable to give vent to their creative power owing to lack of encouragement so that their latent talents may be developed; (2) to create interest in mechanical model building which will give intelligent occupation and instructive pleasure to all who participate in it; (3) to stimulate assurance, initiative with independence of action by fostering the highest ideals of craftsmanship, to widen the mechanical knowledge of its members and gradually mould their vague ideas along productive channels so as to be of infinite value to them in the future; (4) to seek to serve the engineering services and stimulate their growth for national benefit; (5) to promote and spread practical and technical knowledge amongst its members irrespective of caste, creed or colour.

Chairman :—M. P. Polson; **Vice-Chairman** :—H. K. Colah; **Hon. Treasurer** :—P. R. Sunkersett; **Hon. Secretaries** :—B. A. Engineer; H. P. Tavadia.

BOMBAY STATE AMATEUR ATHLETIC ASSOCIATION

C/o Anjuman-I-Islam High School, Bombay 1.

Objects :—To encourage, promote, organise, conduct, control, and assist in promoting and organising amateur athletics in the State of Bombay.

President :—A. P. Sabavala; **Vice-Presidents** :—S. H. Mehta and J. J. Jameson; **Hon. Treasurer** :—Dr. M. B. Vajidkar; **Joint Hon. Secretaries** :—M. K. Choksi and Jal D. Parilwala.

BOMBAY STATE AQUATIC ASSOCIATION

C/o Victoria Swimming Bath, Back Bay, Bombay 1

A leading swimming association in Bombay State and controlling body for aquatics in India. It is affiliated with the Swimming Federation of India, recognised by the Federation International De Natation Amateur. **OBJECTS** :—To encourage the art of swimming, diving and water polo among amateurs of both sexes, to control and regulate all amateurs Aquatic meets, championships, select and train teams and to make arrangements for Inter-State championships, etc.

It is composed of leading swimming pools, clubs, associations, institutions, schools, universities, etc. Regular yearly competitions are held in Bombay and Poona for junior, senior championships, water polo long course and open sea races.

President :—M. N. Mehta; **Vice-President** :—Sunderji Morariji; **Hon. Treasurer** :—A. M. R. Nazir; **Hon. Secretary** :—K. F. Gollwala.

BOMBAY STATE ASSOCIATION OF PHYSICAL EDUCATION AND RECREATION

No. 10, B.D.D. Chawl, Delisle Road, Post Jacob Circle, Bombay 11.

OBJECT :—Promotion of physical education and recreation in the State and research in physical education and recreation, etc.

OFFICE-BEARERS : **President** :—Dr. K. S. Mhaskar, M.A., M.D., B.Sc., D.P.H.; **Hon. Treasurer** :—G. V. Purnalik, B.A.; **Hon. Gen. Secretary** :—Vasant P. Borkar.

THE BOMBAY STATE BHARAT SCOUTS & GUIDES

The Chunilal Mehta Scout Hut, Mahatma Gandhi Road, Bombay 1.

The aims and objects are to promote the welfare of the Boy Scouts and Girl Guides movements in Bombay State and to arrange for harmonious co-operation between Scout and Guide Local Associations in different districts in accordance with the aims, policy, rules and organisation of the Bharat Scouts & Guides, National Headquarters, New Delhi.

State Chief Commissioner :—Mr. Justice M. C. Chagla; **State Commissioner (Scouts)** :—N. N. Pundole; **State Commissioner (Guides)** :—Lady H. J. Kanla.

BOMBAY STATE BILLIARDS ASSOCIATION

C/o Islam Gymkhana, Kennedy Sea Face, Bombay 2.

Objects :—To foster, encourage, stimulate interest in, promote and develop the game of billiards and other recognised games played on a billiard table.

CHIEF OFFICE-BEARERS :—**President** :—A. A. Jardenvalia; **Vice-President** :—R. K. Vissanji; **Jt. Hon. Secretaries** :—Rufek Dina and R. K. Adenwalla; **Hon. Treasurer** :—Bhogilal C. Shah

BOMBAY STATE CHESS ASSOCIATION

C/o 'Chetana', 31, Rampart Row, Bombay 1

AIMS AND OBJECTS :—To encourage the study and practice of the game of chess in the State of Bombay; To get affiliated the chess organisations in the State and to assist the affiliated units to organise and develop the game; To hold chess championship tournaments and to afford all facilities for the development of the game.

OFFICE BEARERS :—Rev. Father M. M. Balaguer (**Chairman**); V. V. Vad (**Honorary Secretary**); D. P. Ratnagar (**Honorary Treasurer**).

BOMBAY STATE CONSUMERS' CO-OPERATIVE SOCIETY LTD.

Oriental Building, Flora Fountain, Bombay 1.

AIMS, OBJECTS AND ACTIVITIES :—(a) To carry on wholesale as well as retail business of all articles of consumption excepting agricultural requisites such as seeds, manures, agricultural implements, etc. (b) To manufacture such articles either by itself or in combination with other consumers' societies or producers' societies, subject to the provision in bye-law No. 3 (a). (c) To distribute its profit among its members or to utilise a part of the profits for public benefit. (d) To do all things expedient for accomplishing or incidental or conducive to the attainment of all or any of the objects of the Society.

The Society runs 17 stores all over the State out of which 11 are in Bombay city, which cater to the requirements of the common people of all consumers goods.

President :—Shri Y. B. Chavan, Minister for Civil Supplies, Government of Bombay; **Members** :—R. N. Samarth, B.A. (Oxon) (**Chairman**); V. T. Dehejia, I.C.S., B.A. Kori-shi, B.A., LL.B., M.N. Bajaj, B.A., B.Com., D. N. Tondon, B.A., LL.B., F.W.M.A. (Lond.), I.F.W. (Lond.); P. S. Nadkarni, B.A. (Hons.), M. G. Bhutt, J. J. Limaye, Mohamed Ansh Vazir Mohamed Tambe, P. B. Desai, B.A., LL.B.

BOMBAY STATE CYCLING ASSOCIATION

(Affiliated with the Bombay Provincial Olympic Association).

C/o 105, Apollo Street, Post Box 448, Bombay 1.

OFFICE BEARERS :—**President** :—H. D. Durgor, M.I.S.E., M.M.E.A. (Ind.), A.S.E. (Lond.); **Vice-President** :—Father Joseph Fell, S.J.; **Treasurer** :—D. H. Durgor; **Hon. Secretaries** :—P. Unwala and J. K. Iran.

BOMBAY STATE SHORTHAND WRITERS' ASSOCIATION

Krishna Nivas, opp. Napoo Gardens, Matunga, Bombay 19.

OBJECTS :—To coach up students for Bombay Government Higher Proficiency Examination in shorthand and to hold speed tests and award certificates, etc.

Admission fee Re. 1; **Annual membership fee** Re. 1; **Tuition fee** Rs. 1-12-0.

President :—G. A. Mahadevan; **Vice-President** :—M. Sitaram; **Hon. Secretary** :—S. S. Sarma; **Hon. Treasurer** :—N. V. Ramana.

BOMBAY STATE SOCIAL REFORM ASSOCIATION

Servants of India Society's Home, Sandhurst Road, Bombay 4.

OBJECTS:—(1) Securing full development of all men and women irrespective of sex, caste or creed; (2) Promoting changes in the social system based upon justice and strengthening the fabric of Society; (3) Raising the status of women by education and encouraging monogamy, divorce and widow marriage and improving their rights under the law; (4) Abolishing untouchability; (5) Enforcing total prohibition; (6) Improving the social condition of labour; (7) Removing the evils of the caste-system.

The Association endeavours to bring about these reforms by educating public opinion by holding meetings, issuing leaflets and promoting social legislation for them.

BOMBAY SUGAR MARKET LTD.

104-114, Frere Road, opp. Victoria Dock, Bombay 9.

The aim and objects of the Bombay Sugar Market are: to provide business premises and godowns for sugar merchants; to pool and purchase sugar, gur, molasses and the by-products of sugar and to consider and settle all questions connected with the trade of sugar.

BOARD OF DIRECTORS:—Ardeshr Hormasji Bhiwandiwalla (*Chairman*); Maneklal Ujamsli (*Mg. Director*); Dr. Kantilal Jagjivan Seth, Chunilal Manekchand Jagjivandas Maganlal. *Secretary*.—Gautamlal A. Shah, B.A., LL.B., Advocate, High Court.

BOMBAY SUGAR MERCHANTS' ASSOCIATION, LTD.

104-114, Frere Road, opp. Victoria Dock, Bombay 9.

The Sugar Merchants' Association was started in 1900 with a view to fostering unity and brotherly feeling amongst its members and brokers, protecting, promoting and safeguarding their trade interests, providing, regulating and enforcing sales for the equitable carrying on of trade in sugar, adjusting all controversies, disputes and differences arising out of trade relations amongst them, mainly by its own Panchayat, putting import houses in touch with merchants abroad, supplying and spreading useful information in connection with the manufactures of and trade in sugar and offering its quota by way of subscriptions and donations to public and charitable causes.

Office-bearers:—

President.—Sheth Maneklal Ujamsli.

Vice-President.—Sheth Chunilal Manekchand.

Hon. Secretary.—Sheth Jannadas Thakurdas Talreja.

Secretary.—Gautamlal A. Shah, B.A., LL.B., Advocate.

BOMBAY TAMIL CATHOLIC ASSOCIATION

202, Frere Road, Bombay 1.

The aims and objects of the Association are: To foster a spirit of union, friendship and self-help among the members of the Tamil Catholic Community: to pursue social service generally with a view to improving the religious, intellectual, economic and physical welfare of the members of the community. Any Catholic over 18 years of age, irrespective of sex, of Tamil-speaking districts, shall be eligible for membership of the Association.

BOMBAY TAMIL SANGAM

1, Improvement Trust Blocks, King's Circle, Bombay 10.

A registered Society established for the last ten years, for the development of Indian literature in general and Tamil literature in particular in this part of the country by holding literary classes, competitions, festivals, dramas, exhibitions and such other activities of cultural nature every year.

President.—A. N. Sattanathan (Collector of Customs, Bombay); *Vice-Presidents.*—T. V. Ramanujam, C. S. Nair; *Hon. Secretaries.*—R. Murugiah, S. Kandawamy; *Hon. Treasurer.*—T. S. Hariharan; *Hon. Librarians.*—Kumari K. Vasantha, Kumari R. Kamalavijayam.

BOMBAY TENANTS ASSOCIATION

17, Benham Hall Lane, Bombay 4.

Founded in 1931 with the object of safeguarding the rights of tenants and to redress their just grievances.

OFFICE BEARERS:—*President.*—V. G. Dalvi, Bar-at-Law. *Vice-Presidents.*—S. Home Abraham and R. N. Karnik, B.A., LL.B., Bar-at-Law. *Joint Hon. Secretaries.*—A. N. Namjoshi and Mrs. S. N. Vajifdar, M.Com. *Hon. Treasurer.*—R. B. Patel.

There are branch offices and secretaries in each ward and 42 members of the Managing Board.

BOMBAY TEXTILE AND ENGINEERING ASSOCIATION

Opp. Railway Station, 343, Grant Road, Bombay.

OBJECT.—To afford opportunities for promoting acquaintanceship and frequent interchange of opinion, amongst employers, managers, masters, engineers, foremen, draftsmen and apprentices connected with the diverse textile and engineering trades, and by providing literary matter relative to the above trades, to give members a ready means of keeping up-to-date with regard to all new inventions. The Society will also afford mutual help to members out of employment.

The Association holds meetings for the purpose of reading papers on subjects of interest and instruction to members and for discussion thereon. It has a library of its own, containing technical works and it circulates scientific journals amongst members at their own places.

The Association also gives its considered opinion on the different bills pertaining to the textile industry, which are or may be introduced in the Legislative Assembly.

President.—H. L. Dawlatjada, M.A., B.Sc., LL.B.; *Vice-President.*—N. F. Bharucha, Comp. I.E.; *Hon. Secretary.*—Jull J. Master; *Hon. Treasurer.*—K. S. Ponegar.

BOMBAY TRUNK MANUFACTURERS' ASSOCIATION, LTD.

Bamonji Building, Jail Road North, Bombay 9.

The aims and objects of the Association are to bring about unity amongst merchants engaged in the manufacture of steel trunks and to take action in all matters affecting their common interests and welfare. Membership is open to any individual, firm or company engaged in the manufacture of steel trunks.

BOMBAY TYPE FOUNDRY OWNERS' ASSOCIATION

B-100, Gaiwadi, Girgaon, Bombay 4.

Started in 1927 to protect the interests of the Type Foundry industry and to help in bringing about the general improvement and betterment of the entire industry.

Hon. Secretary.—M. C. M. di.

BOMBAY UNDERWRITERS' ASSOCIATION

6, Rampart Row, Bombay 1.

Objects of the Association.—To unite Insurance Companies transacting Marine Insurance business and to secure joint action in all matters affecting the interests of such Companies.

BOMBAY UNION OF JOURNALISTS

Prospect Chambers Annexe, Hornby Road, Bombay 1.

Objects.—Promotion and defending of status and interests of its members with regard to salary, conditions of employment, tenure of service, professional usages and other matters, provision of means of social and cultural activities to members, etc.

Membership.—Persons who depend for their livelihood on practice of Journalism.

Chairman of Executive Committee.—M. Sivaram; *General Secretary.*—K. R. Kamath; *Treasurer.*—H. Y. Sharada-Prasad.

BOMBAY VIGILANCE ASSOCIATION

Churchgate House, 30-32, Churchgate Street, Bombay 1.

The objects of the Association are (1) to secure recognition of the principle that the moral law is the same for both men and women; (2) to suppress and prevent the traffic in women and girls and the outrage, corruption, abduction and prostitution of persons under eighteen; (3) to do rescue and vigilance work in general; (4) to see that the provisions of the Indian Penal Code and of the Prevention of Prostitution Act of 1923, are efficiently carried out; (5) to prevent the publication and sale of indecent and obscene pictures, books and papers, and of objectionable advertisements, cinema films and theatrical performances; and (6) to carry on active propaganda work for the ultimate and complete abolition of brothels.

President.—Shri Morarji B. Desai.

Hon. Secretaries.—Shrimati Sarala Sheth; C. J. Shah, M. A. Moses.

BOMBAY YARN EXCHANGE LIMITED

Hauman Building, Tamba Kanta, Bombay 3

To promote and protect the interests of manufacturers, distributors and merchants carrying on business in Bombay and elsewhere in India, to regulate their methods of business, to establish just and equitable principles in the trade, and maintain uniformity in the rules, regulations and usages of the trade, to provide forms of contracts, fix market rates, and arbitrate between manufacturers, distributors, merchants and brokers, to acquire, preserve and disseminate useful information connected with the trade, and fix or adopt standards of classification of yarn, to decrease or insure the local risk attendant upon the business to provide, regulate and maintain suitable headquarters for the Exchange in Bombay and elsewhere, and generally to control, promote and regulate the yarn trade in Bombay, and elsewhere in India improve its stability and augment the facilities with which it may be conducted

Chairman — Seth Gordhandas Jadavji, Vice Chairman — Seth Kantilal Nalchandani, Secretary — Taxmi Chandia P. Jain

BOMBAY ZIONIST ASSOCIATION

63 67 Meadows Street P.O. Box 539 Bombay 1

The aims and objects of the Association are to educate public opinion regarding Zionist activities throughout the world, to foster Zionist ideals among Jews in India and to promote the establishment of cordial relations between India and Israel

EXECUTIVE COMMITTEE President — A. Mannasch, Vice President — A. I. Heller, Chairman — H. Gynowicz, Hon. Secretaries — A. S. Japheth and P. S. Gourgey, Hon. Treasurer — B. S. Sonckh

BOMBAY ZOROASTRIAN CO-OPERATIVE LIFE ASSURANCE SOCIETY, LTD

241 Princess Street Bombay 2

Business transacted — Life

OBJECTS — To maintain life assurance fund of members to render financial assistance for religious ceremonies when death occurs by issue of whole life assurance

BRITISH MEDICAL ASSOCIATION

(Bombay Branch)

Founded in 1886 to promote medical and the allied Sciences and the maintenance of the honour and interests of the medical profession. Secretary — Dr D. R. Bharucha F.R.C.S. (Eng.) Dreamland, 25 New Queen's Road Bombay 4

BUTTER MANUFACTURERS' ASSOCIATION

C/o Globe Dairy Co., "Rattil Villa," Tardeo, Bombay 7

This Association has for its object the safeguarding of the interests of indigenous butter manufacturers from foreign competition and against adulteration, etc

President — Byramji Cowasji (Globe Dairy Co.)

Vice-President — Narayan S. Kajrolkar, M.P. (Star of India Dairy Co.)

Hon. Treasurer — H. A. Parikh (Morton's Butter Depot)

CALEDONIAN SOCIETY OF BOMBAY

The object of the Society is to promote and foster matters of Scottish national interest and more particularly to provide for the due observance of the anniversary of St. Andrew and generally to promote Fellowship among Scotsmen. The Society may also, so far as its funds admit and so far as is deemed advisable by its Committee, render aid in cases of real and urgent distress among Scotsmen except when such cases would be more properly dealt with by local charities.

OFFICERS — President — R. W. Oakley; Vice-Presidents — Rev. J. A. Patterson, J. E. Jack, Hon. Secretary — A. M. Cameron, C/o The Imperial Chemical Industries (India) Ltd., Douglas Road, Ballard Estate, Bombay, Hon. Treasurer — J. E. Milligan.

CINEMATOGRAF EXHIBITORS' ASSOCIATION OF INDIA

Sandhurst Building, Sandhurst Road, Bombay 4

The chief object of the C.E.A.I. is to promote, develop and encourage the growth of the exhibition branch of the Indian film industry in all possible ways to protect the interests of members, to collect and furnish information about any matters relating to exhibition of films, to settle and arbitrate upon disputes amongst members and among members and outsiders and establish branches or subsidiary Associations wherever it may be deemed necessary to extend the activities of the Association

President — B. D. Bharucha, Vice President — G. Patwardhan, Secretary — I. K. Menon

CINEMATOGRAPHIC IMPORTERS' ASSOCIATION

Canada Building, Hornby Road, Bombay 1

The objects of the Association are

To promote co-operation, goodwill and unity among persons, firms or companies specially connected with importation of cine goods, equipment and all lines closely allied to it as importers, with a view to their adopting a common policy and collectively taking such steps as may be deemed necessary or expedient to further and safeguard the interests of the importers

MEMBERS OF THE MANAGING COMMITTEE — I. S. H. Rock (President), P. C. Kapadia (Vice-President), W. H. Hume, W. E. Kollmyer, A. R. Laydon, M. B. Bhilmoria, J. I. Patel, M. A. Izalbhoy, S. N. Agrawal, I. K. Menon (Secretary)

COLLEGE OF PHYSICIANS AND SURGEONS OF BOMBAY

Hospital Avenue, Parel, Bombay

Established in 1911 by leading members, European and Indian of the Medical profession in the State under the auspices of the then Surgeon General H. W. Stevenson, C.S.I., I.M.S. (Retd.), for providing a purely Medical Institution of good standing, recognised by Government and managed by members of the profession

The College is at present an examining body only but, by encouraging the formation of good teaching schools and by means of its professional museums and library, it is eventually intended to become the centre of medical education in the State. The College consists of a President, a Council and an unlimited number of Fellows and Members and grants F.C.P.S., M.C.P.S., I.D.S.C.P.S., L.C.P.S., and post graduate Diplomas in several subjects

PRESIDENT — Khan Bahadur Captain N. J. Varliar, M.B.E., I.M.S. F.C.S.

SECRETARY — Darabsha Kharshedji Bharucha.

COMMERCE GRADUATES' ASSOCIATION

Wadia Building, Dalal Street, Bombay 1

President — R. G. Saraiya B.A., B.Sc., B.Com., J.P. Chairman — L. R. Maini B.Com., J.P. Hon. Secretaries — N. R. Patel M.Com., N. T. Dalal B.Com., F.C.A. Hon. Treasurer — M. T. Purohit, B.Com.

MEMBERSHIP FEES — Annual Rs. 6, Life Rs. 100, Patron Rs. 250 and over, Donor Rs. 500 and over

CONSUMPTIVES' HOMES SOCIETY

Seva Sadan Buildings, Gamdevi, Bombay

This Society was started by Byramji Malabari and Dayaram Gidmal on the 1st of June 1909. Malabari secured a large grant of land in a Himalayan pine forest in Dharampore (Simla Hills) from H. H. the Maharaja of Patiala for a Sanatorium for Consumptives. His Highness also gave a donation of Rs. one lakh. In 1911 by special permission the Sanatorium was named the King Edward VII Sanatorium. It has its waterworks known as the Lady Hardinge Waterworks, presented by Sir Chinubhai Mulhavyal, Bart., of Ahmedabad. The Sanatorium has a Guest House, the Noshirwan Abdul Qasim House for visitors to Dharampore. It has accommodation for over 120 patients including the special Punjab Block built from a grant of the Punjab Government for European patients. Most of the blocks and cottages are built by Parsis. Dr. D. S. Sethna, M.B., B.S., F.R.C.S., is the Medical Superintendent in Charge, assisted by the Asst. Medical Superintendent, Dr. J. I. Bhatia, M.B., B.S., and two other Junior Medical Officers. Phiroze I. Taraporevala is the Hon. Treasurer, Jai M. Dotiwala and J. F. Kotwar are the Hon. Secretaries.

DECCAN SUGAR FACTORIES' ASSOCIATION

Industrial Assurance Building, Churchgate, Bombay 1.

The Deccan Sugar Factories' Association was started in the year 1939 with the primary object of promoting, protecting and safeguarding the interests of the sugar industry and sugar trade in the Deccan.

OFFICE BEARERS OF THE ASSOCIATION: *President*.—D. M. Dahanukar; *Vice-President*.—W. Jenkins; *Secretary*.—G. G. Rege, M.A., LL.B., Solicitor.

DEPRESSED INDIA ASSOCIATION

Association's New Building, Clarke Road, P. O. Jacob Circle, Bombay 11.

OBJECTS.—To supply the needs of the Depressed Classes in India; to spread education among them; to improve their moral and economic status; to improve them socially; to protect the interests of the industrial and agricultural labourers.

TRUSTEES.—Sir Purshotamdas Thakurdas, Kt., C.I.E., M.B.E., M.L.A.; Madan Mohan R. Rula, Jannadas M. Mehta, M.A., LL.B., Bar-at-Law; R. S. Nekaljay, Ex-M.L.C.

EXECUTIVE COMMITTEE.—*President*.—R. S. Nekaljay, Ex-M.L.C. & Municipal Corporator.

Vice-Presidents.—Dr. V. R. Bhoskarath, M.B.E.S., M.H.San. (Lond.); Sheth Mulraj Karsandas, Ex-Municipal Corporator.

Hon. Treasurer.—Rao Bahadur R. S. Asavle, Ex-M.L.C. & Municipal Corporator.

Hon. Secretary.—D. G. Waghmare.

DEVADIGA SUDHARAKA SANGHA

108, Bora Bazar Street, Bombay 1.

The aims and objects of the Devadiga Sudharaka Sangha are to promote educational, social, physical and economic welfare of the Devadiga Community. The Sangha conducts a free reading room and library which is open to the members as well as public.

President.—M. Venkat Rao. *Jt. Hon. Secretaries*.—M. Dayananda Rao, K. Sanjivan.

EAST BOMBAY BHARAT SCOUTS & GUIDES LOCAL ASSOCIATION

Object.—To perform the functions of a local association in the East Bombay local area according to the rules of the Bharat Scouts and Guides in India.

Headquarters.—Sir Chundilal Mehta Hut (Mahatma Gandhi Road), Bombay.

President.—Sir Hormazdyar Phiroze Hoshang Dastur, Kt., Bar-at-Law.

Dist. Commissioner (Scouts).—J. D. Smith

Dist. Commissioner (Guides).—Miss Emily S. Barla

Hon. Secretary.—Padam S. Pavil

Jt. Hon. Secretary for Guides.—Mrs. Mani Billimoria

Hon. Treasurer.—M. R. Patel

Hon. Auditor.—Dara Sorabji

EAST INDIA COTTON ASSOCIATION, LIMITED

Cotton Exchange, Marwarl Bazar, Bombay 2.

OBJECTS.—To provide forms of contracts compulsory or permissive and regulate the making, carrying out and enforcement or cancellation of contracts; to adjust by arbitration or otherwise controversies between persons engaged in the cotton trade; to establish just and equitable principles in the said trade; to maintain uniformity of control of the said trade; to fix or adopt standards of classification of cotton; to acquire, preserve and disseminate useful information connected with the cotton interest throughout all markets; to decrease or insure the local risk attendant upon business; and generally to control, promote and regulate the cotton trade in the State of Bombay and elsewhere in India, improve its stability and augment the facilities with which it may be conducted.

Chairman.—Sir Purshotamdas Thakurdas, K.B.E., C.I.E.; *Vice-Chairman*.—Chimantlal Bapudal Patilkh, J.P.; *Secretary*.—C. M. Parikh, B.Com., J.P.; *Asstt. Secretary*.—S. A. P. Aiyar.

ELECTRICAL CONTRACTORS' ASSOCIATION

63, New Stock Exchange Building, Apollo Street, Bombay 1.

This Association was formed in 1925 to safeguard the interests of those engaged in the electrical engineering trade in the Bombay State in general and of licensed electrical contractors in particular. In recognition of its services to the trade in the past and in the present, Government has given the right to the Association to nominate two of its members on the Licensing Board, the highest

statutory body that looks to cases of malpractice, granting, suspension or cancellation of licences of electrical contractors. The Association publishes under its auspices *Indian Electrical Contractor and Trader*, the only monthly magazine of its type in India, and also maintains a reference library for the use of its members.

President.—S. N. Jhaveri; *Vice-President*.—V. D. Treasurer; *Hon. Secretary*.—B. S. Kurwa; *Hon. Treasurer*.—D. M. Doctor; *Members, Licensing Board*.—B. P. Sheth, K. C. Patel.

EMPLOYERS' FEDERATION OF INDIA

Elphinstone Building, Churchgate Street, Bombay 1.

Objects.—To promote and protect the interests of employers engaged in the trade, commerce, industries and manufactures of India; to promote or oppose legislation or other measures affecting their interests; to collect and circulate statistics and other information of interest to employers; to nominate delegates and advisers to the International Labour Conferences and to formulate opinions on the subjects coming for discussion before such bodies, and to promote or oppose their recommendations; to secure concerted action on all subjects involving the interests of its members; to consider and support well-considered schemes for the welfare and uplift of Labour and establish harmonious relations between Capital and Labour, and to carry on propaganda for the purpose of educating public opinion with regard to the character, scope, importance and needs of industrial enterprise as represented by the Federation.

OFFICE-BEARERS

President.—Sir Homi Mody, K.B.E.

Deputy Presidents.—Sir Robert Menzies, Sir Vithal Chandavarkar; Sir Allan Eliott Lockhart and C. S. Ratnasabapathy Mudaliar.

Secretary.—T. S. Swaminathan.

ENGINEERING ASSOCIATION OF INDIA

Bombay Region

The All-India body has its office at Calcutta. 23-B, Netaji Subhas Road, Calcutta, while the Regional body has its office in Bombay, at Construction House, Ballard Estate, Bombay.

The President of All-India body is D. N. Jalan and its Secretary, R. D. Tiwari. The Chairman of the Regional body is Pranlal Patel and the Secretary M. de Melo.

ESTABLISHMENT OF THE BOMBAY NURSES, MIDWIVES AND HEALTH VISITORS' COUNCIL

Old Yacht Club Building, Apollo Bunder, Bombay 1.

The legislation for the registration of Nurses, Midwives and Health Visitors with a view to protecting the public from persons who misrepresent themselves as fully qualified Nurses, Midwives or Health Visitors was passed by the Bombay Government, in April 1935, namely the Bombay Nurses, Midwives and Health Visitors' Registration Act. The Act obtains for them the necessary status and secures their registration in other States and States Unions in India.

The training and registration of nurses, midwives and health visitors in Bombay State is controlled by the Council. Nurses who are trained and registered in this State can now get registration with the General Nursing Council of England and Wales and the General Nursing Council of Scotland and can practice as qualified nurses in these Counties.

EXHIBITION SOCIETY

Central Bank Building, Hornby Road, Bombay 1.

The Society is founded for organising exhibition sales of indigenous household articles with the dual object of giving publicity and encouraging sales of Indian arts and crafts and to give facility to the general public to buy varieties of goods including cloth at marked prices from one place only. The Society is a non-sectarian and non-profit-making body, hence stalls are given entirely free to charitable institutions and to new craftsmen. Likewise entrance to the exhibitions is always free.

EX-SERVICES ASSOCIATION, INDIA

BOMBAY BRANCH.—T/18, Barracks, Colaba, Bombay 2.

Chairman.—B. J. O'Shaughnessy.

Vice-Chairman.—Major H. R. Henderson.

Hon. Treasurer.—Lt.-Col. W. J. Frawley.

Secretary.—Major A. H. Grylls.

FAMILY PLANNING ASSOCIATION OF INDIA

5, Carmichael Road, Bombay 20.

The aims and objects are the propagation of the principle of family planning for all classes through the press, lectures, film shows, and practical schemes of work undertaken by the organisation. Amongst the latter are the following: (a) Active co-operation with the Municipal Family Planning Clinics and similar Centres in the country. Enlisting co-operation of Medical practitioners, welfare-organisations, women's associations, employers, trade unions and social workers in order to make Planned Parenthood popular among the masses. (b) The Kutumba Sudhar Kendra (Family Welfare Centre), Opp. Central Station, Bombay, provides advice on planned parenthood in all its aspects. (c) A free library and reading room at Mint Road, Fort Market, Bombay. (d) A monthly paper *Planned Parenthood* giving Family Planning information and general news items on this subject.

President — Lady Rama Rau.*Vice-President* — Mrs. Mithan J. Lam.*Hon. Secretaries* — Mrs. Avabai Wadia, Mrs. Klara Aigaoonkar.*Hon. Treasurers* — Mrs. R. D. Char, Mrs. M. S. H. Jhabyala.**FEDERATION OF BRITISH INDUSTRIES**

(Incorporated in England by Royal Charter)

Head Office — 21, Tothill Street, London, S W 1*Indian Branch Office* — United India Building, Sir Pherozshahi Mehta Road, Bombay 1

The Federation's membership comprises over 7,000 British manufacturing firms in the United Kingdom covering all industries; in addition, over 250 individual British trade associations are affiliated to the Federation.

The Indian branch office acts as special representatives for the Association of British chemical manufacturers and the Association of solid woven belting manufacturers.

Branch Manager — A. St. J. Shuttleworth, O B E**FEDERATION OF ELECTRICITY UNDERTAKINGS OF INDIA**

Killick Building, Home Street, Bombay 1.

OBJECTS — To promote, protect and assist the rights and interests of its members and licensees in India and to give the Government of India, State Governments, Municipalities and other Local Authorities and others, facilities for conferring with and ascertaining the views of the Electric Supply Industry as regards matters directly or indirectly affecting it, and negotiate with them on behalf of the industry on all questions, problems and grievances affecting or which are likely to affect the industry.

COMMITTEE — K. G. Milne; I. A. Macpherson; N. N. Jengar; J. W. Fawcett; J. A. Sayer; T. M. Rangachari; P. E. Patel; N. C. Javeri; B. D. Somani.

Secretary — R. P. Aiyer.**FEDERATION OF SOCIAL WELFARE ASSOCIATIONS**

207, Bazar Gate Street, Bombay 1

Aims and Objects. — To establish co-operation among organisations carrying on social welfare work, and to bring about co-ordination of their activities; to investigate and study social and economic conditions and problems obtaining in the city of Bombay, with a view to suggesting their solution either through fresh social welfare activities or by preparing a legislative programme.

FILM FEDERATION OF INDIA

Sandhurst Building, Sandhurst Road, Bombay 4.

Federation of the various film trade organisations in India with its head office at Bombay. Among its objects are:—

(a) to promote the development of the Indian film industry by co-ordinating the various units of the industry, by enforcing discipline within its fold, by investigating into its peculiar problems, by establishing better public relations, by acting as a liaison between the industry and Government.

(b) to protect, safeguard and further the interests of the Indian film industry by applications, deputations, petitions, memorials etc. to the Government and public bodies and other institutions.

President — B. N. Sircar; *Vice-Presidents* — M. B. Billimoria and A. Bhandarkar; *Hon. Treasurer* — S. K. Mukherji; *Secretary* — D. Pramanik.

FIRE SALVAGE ASSOCIATION OF BOMBAY, LTD.

Jacob Sassoon Building, 6, Rampart Row, Bombay 1.

Executive Assistant — T. H. Asanpota.*Secretaries* — Bombay General Insurance Association.

Objects. — To provide an organised salvage corps of trained men, who will always be ready to attend at fires, take charge of salvage and handle salvage, if necessary.

Station — Sewree Cotton Depot. *Superintendent* — S. M. Saleh; *Station Officers* — M. A. Telang, C. I. Job, *Station Sub-Officer* — Nana Govind.

FRIENDS OF BURMA SOCIETY

17, Elphinstone Circle, Bombay 1.

The Society was established in 1917 under the able guidance of the late S. A. Brelvi. It aims at promoting better relations between India and Burma.

President — M. C. Setalvad. *Hon. Gen. Secretary & Treasurer* — R. A. Bhimjee, J. P.

GAMDEVI CONSUMERS' CO-OPERATIVE SOCIETY, LTD

Harkishan Bldg, Gamdevi, Bombay 7.

Objects. — To sell to its members and others all articles of consumption bought by it or manufactured by it, to distribute its profits to members and customers and to apply a part of the profits for works of social benefit.

President — Prof. M. V. Chandgadkar, M. A.; *Chairman* — Vasant P. Borkar; *Hon. Secretary* — Pyarelal Shamrao Paralkar, B. Sc.; L. L. B.; *Advocate* — *Hon. Treasurer* — Ganpat Vinayak Chemburkar.

GAMDEVI SEVA SANGH

J. K. Building, No. 4, Gamdevi, Bombay 7

Aims and Objects. — To improve the physical, intellectual, social and material status of the members of the Society in general and those of the Sangh in particular and to inculcate in them spirit of co-operation, comradeship and sacrifice.

President — Vasant P. Borkar, *Vice-Presidents* — S. R. Koppalkar and K. S. Laud, *Jt. Hon. Secretaries* — D. S. Moolgaokar, B. A.; R. G. Pope, *Jt. Hon. Treasurers* — Pyarelal S. Paralkar, B. Sc., L. L. B.; M. J. Ramnathkar, Advocate.

GAUD BRAHMIN SABHA

30, Kudalakeshkar Gaud Brahmin Nivas, Girgaum, Bombay.

This social institution was founded in Bombay in 1897. The primary object of the institution is to work for the all-round advancement of the Kudalakeshkar Gaud Brahmin Community by all legitimate means.

President — N. D. Samant, J. P.*Vice-President* — P. J. Galvanker.*Treasurer* — B. R. Khanolkar.*Secretary* — V. G. Mainkar.**GOAN UNION**

75, Princess Street (West), Bombay.

A representative Association of the Goans.

Object. — The object of the Goan Union is to serve as a strong bond of union among Goans all over and to promote their moral, social, economic, intellectual and educational advancement. It has also a Bureau of Information.

Membership is open to all individuals of Goan origin.

The Union owns and manages the Little Flower of Jesus High School founded in 1924 by late Rev. Fr. Herculano Gonsalves.

GOAN YOUTHS' ASSOCIATION

Shrinath Bhuwan, Picket Cross Road, Bombay 2.

Objects. — To mobilise young Goans for the humanist ideal of intellectual, social, economic and political advancement by (a) organising study circles, debates, lectures and publishing periodicals, pamphlets and books bringing out the desirability of a progressive and equalitarian social system, (b) combating illiteracy and backwardness in all their forms, (c) maintaining a free library, (d) helping talented youths, (e) maintaining an employment bureau and (f) the promotion of instruction and the relief of the needy, generally. Co-operation from all progressive people is solicited.

GRAIN AND OILSEEDS MERCHANTS' ASSOCIATION

72-80, Masjid Bunder Road, Mandvi, Bombay 3.

Objects.—To promote and protect the general mercantile interests in the grain and seeds trade of Bombay in particular, and of the State in general; to collect information concerning the grain and seeds trade; to remove grievances affecting grain and seeds merchants as a body; to decide references on matters of usages and customs in dispute; to communicate with public authorities, etc., on the subject of general mercantile and public interest; and to arbitrate between parties willing to refer to and abide by the judgment of this Association.

President.—Seth Velji Lakhamsi Nappoo, B.A., LL.B.; **Vice-President.**—Seth Doyji Rattansey; **Hon. Secretary.**—Seth Vallabdas Peral; **Secretary.**—K. N. Joshi.

GUJARATI HINDU STREE MANDAL

123, Vithalbhai Patel Road, Bombay 4.

The aims and objects of the Mandal are the development of Gujarati womanhood by various activities, social, religious and educational.

The main activity of the Mandal is educational. It conducts home classes, an industrial home, Lady Teachers' College of Tailoring and Embroidery, the Vernacular final class, the Bala-Mandir, &c., in its premises.

The Mandal maintains the Jamnabai Sakkal Free Library, and also the Sir Jagmohandas Library for children. It issues a monthly patrika.

President.—Lady Tarabai C. Mehta; **Jt. Hon. Secretaries.**—Mrs. Raskamani B. Desai, Mrs. Kusungauri M. Munshi and Mrs. Tilottama S. Pathak.

HOTEL & RESTAURANT ASSOCIATION OF BOMBAY REGION

Taj Mahal Hotel, Bombay 1.

Objects.—To encourage, promote and protect the interests of proprietors and other persons interested or concerned in hotels, restaurants, boarding houses, and all allied trades and to take all such steps as may be considered expedient for that purpose, including the provision of legal and other professional advice and assistance, etc.

OFFICE BEARERS. **President.**—A. P. Sabavala; **Hon. Secretary.**—Maneck S. Shaw; **Hon. Treasurer.**—S. V. Kulkarni.

INDEPENDENT NATIONALIST HARIJAN PARTY

112, Meadows Street, Bombay 1.

The aims and objects of the party are to ameliorate the social, educational, economic and political interests of the Depressed Classes.

President.—S. G. Songavkar.
General Secretary.—N. S. Kajrolkar, M.P.

INDIAN CANCER SOCIETY

Tata Memorial Hospital, Parel, Bombay 12.

The aims and objects of the Society are to encourage and support scientific research for the causes of cancer and for its prevention and control; to save lives by creating a public awareness of curability of early cancer and a medical awareness of the best methods of detection, diagnosis and treatment; to give encouragement and volunteer aid to persons suffering from cancer in various forms and to combat quackery in cancer.

Chairman.—N. H. Tata.
Vice-Chairman.—Dr. V. B. Khanolkar, B.Sc., M.D. (Lond.).
Hon. Treasurer.—P. A. Narielwala.
Hon. Secretary.—Dr. D. J. Jussawalla, M.S., F.R.C.S.E., Surgeon, Tata Memorial Hospital, Parel, Bombay 12.

INDIAN COUNCIL FOR PROMOTION OF INTERNATIONAL TRADE

Industrial Estate, Lalbaug, Bombay 12.

OBJECTS.—The object of the Council is to promote International trade with all countries on the basis of equality with due regard to the needs of the industrialisation of the country and with a view to increasing the aggregate national income and to take all steps for promoting and safeguarding the interests of trade in general.

OFFICE BEARERS: **President.**—Murari J. Vaidya (Bombay); **Vice-Presidents:** Chimanlal B. Parikh (Bombay); K. K. Birla (Calcutta); Charat Ram (Delhi); D. P. Mukerji (Lucknow); **Hon. Treasurers:** G. V. Purnalk (Panvel); Pravinchandra V. Gandhi (Bombay); **Hon. Secretaries:** Arvind Kishchand (Bombay); N. H. Kotak (Bombay); P. M. Shah (Bombay); K. U. Barodia (Bombay).

INDIAN INSTITUTE FOR EDUCATIONAL AND CULTURAL CO-OPERATION

N. M. Wadia Trust Building, 22-D, Parsi Bazar Street, Bombay 1.

President.—Sachivottam Sir C. P. Ramaswami Aiyar, K.C.S.I., K.C.I.E., LL.D.; **Chairman of the Executive Committee.**—Sir Rustom Masani, M.A.; **Honorary Secretaries.**—Prof. N. A. Nadvi, M.A., Dr. B. M. Gal, M.A., Ph.D.; **Honorary Treasurer.**—Ramdeo Anandilal Podar.

INDIAN INSTITUTE OF BANKERS

Imperial Bank of India Building, Apollo Street, Bombay 1.

Objects.—To support and protect the character, status, and interest of persons engaged in or connected with the business of banking particularly in India.

To encourage the study of the theory of banking.

To promote information on banking and kindred subjects by lectures, discussions, books and correspondence with public bodies and individuals.

To collect and circulate statistics, and other information, relating to the business of banking in India.

Secretary.—C. T. Shivdasani.

INDIAN MOTION PICTURE DISTRIBUTORS' ASSOCIATION

Mogul Lane, Off Sitaladevi Temple Road, Mahim, Bombay 16.

The Association, was established with the object of promoting, developing and encouraging the growth of the distribution branch of the Indian film industry in all possible ways—by fostering friendly relations among those engaged in distribution of Indian films; by protecting members against unethical practices, infringements, etc.; by collecting and furnishing information about all matters relating to distribution and exhibition; by settling disputes and arbitrating amongst contending parties; by establishing branches or subsidiary associations in other territories, etc., etc.

INDIAN MOTION PICTURE PRODUCERS' ASSOCIATION

Sandhurst Building, Sandhurst Road, Bombay 4.

The Association, was established with the object of promoting the development of the film industry in India by enhancing and safeguarding the interests of the members; by encouraging the growth of friendly feelings among persons engaged in the industry; by collecting and furnishing information about all matters relating to films and their production, distribution and exhibition, etc., etc.

President.—Jahnani Dewan, **Vice-President.**—S. J. Bhat; **Secretary.**—I. K. Menon.

INDIAN NATIONAL SOCIETY

Soho House, Lohar Chawl, Bombay 2.

AIMS AND OBJECTS.—To create democratic consciousness amongst masses, to popularise Indian culture and study, promote good will and understanding amongst various communities in India. Cosmopolitan.

ACTIVITIES.—Help to poor students. Lectures, film-shows, etc. for educational uplift amongst the poorer classes. Organisation of inter-communal gatherings at various festivals.

INDIAN RAILWAY PASSENGERS' CONFERENCE ASSOCIATION

Ruby House, Colaba Tram Terminus, Bombay 5.

Aims and Objects.—To instruct and spread knowledge amongst the members of the travelling public, the railway staff and the members of the railway police, regarding the rules and regulations governing railway travel and to acquaint them with regard to their legal obligations to each other, to found or maintain libraries or reading rooms and to publish literature, pamphlets, brochures, news-letters, news-sheets, newspapers, periodicals and/or other publications dealing with the carriage of passengers and the transport of goods, for general use, open to the public, to hold periodical conferences for the purpose of the diffusion of useful knowledge amongst the travelling public, the railway staff and the railway police, to establish Poor Homes at any place or places in India for the benefit of destitute men, women and children, orphans, beggars and/or others who infest railway premises or otherwise, to prevent them thereby from a life of crime and to convert them into law-abiding citizens by providing them with food, shelter, medical treatment, clothing and employment and to instruct and help them to earn a livelihood through cottage industries and other suitable employment or spheres, to set up museums and to organise exhibitions to demonstrate or display, *inter alia*, the progress and development of the transport industry, to render free legal advice and aid to railway passengers.

President.—Motadin Hariram Khaitan; **Vice-Presidents.**—Prabhashankar Shukla, J.P., Z. F. Bootwala, Bar-at-Law; **General Secretary.**—C. B. L. Bhatnagar.

INDIAN ROADS & TRANSPORT DEVELOPMENT ASSOCIATION, LIMITED

27, Bastion Road Bombay 1

Patron —Mr. Girdja Shankar Rajpal Governor of Bombay

The Association has its headquarters in Bombay and branches at Calcutta, Bombay, Madras, Nagpur, New Delhi and Gauhati.

The aims and objects of the Association are to promote the development of transport of any kind including Road Motor and Air Transport throughout India by making representations to the Government of India, Governments of States, District Boards and other Public Bodies concerned, regarding the construction, improvement and maintenance of roads, bridges, aerodromes, etc., to make representations to all or any of the bodies regarding the adjustment of taxation, customs duties and excise affecting motor vehicles and other modes of transport and the employment of same in such a manner as to facilitate the development of transport throughout India, to educate the public by means of propaganda and to create authoritative public opinion with regard to the needs of and advantage to be derived from, improved road and air communications and the use of these forms of transport.

President M. R. Masani *M.P.* *Vice President* —L. A. Nadirshaw
O.B.I. 11

INDIAN SOCIETY OF AGRICULTURAL ECONOMICS

46/48 Esplanade Mansions, Mahatma Gandhi Road Fort Bombay

INDIAN STATISTICAL INSTITUTE (Bombay Branch)

C/o Department of Research and Statistics Post Bag No. 1036 Reserve Bank of India Bombay 1

OFFICE BEARERS —V. J. Mehta *President* C. N. Vakil *I.S.* Vaidyanathan *R.G.* Saranya *D.N.S.R.* Sastri *Vice Presidents*, V. V. Divatia *K.S.* Rao *Joint Secretaries* Dr. D. I. Lakdawala, *Treasurer*

INDIAN STOCK EXCHANGE LTD.

Lakshmi Building, Sir Phirozshah Mehta Road, Bombay 1

The Indian Stock Exchange Ltd., was established in 1937 by some of the eminent and leading business men of Bombay with a view to providing adequate facilities for the Stock Exchange trade.

Membership Full Members —Rs. 200 Associate Members —75

DIRECTORS

President Sir Chunilal B. Mehta *Kt.* *Other Directors* —Sir Bhram N. Karanjia *Jt.* Hemraj Annandlal Mankalal Chundlal Shah, Premchand C. Bhatnagar, Bishwambharilal Maheshwari, Trambaklal Amulakh, *Secretary* —R. Ramaswami

INDUSTRIAL WELFARE ASSOCIATION (INDIA)

Scientific Management (India) Ltd

Taj Mahal, Post Box 2394, Bombay 2

The Association, popularly known as IWA (India) having its central office in Bombay with proposed branches in important industrial centres all over India, is a professional body of welfare workers in industry combined with progressive industrial concerns.

Aims and Objects —

- (i) to promote and organise scientific training and research in industrial welfare administration with a view to ensuring a high standard for the profession;
- (ii) to supply information on matters relating to industrial welfare through its Information Bureau;
- (iii) to disseminate knowledge on industrial welfare through its quarterly organ, "Organisation, Planning and Efficiency";
- (iv) to undertake study tours or research work in industrial relations and personnel management;
- (v) to provide existing industrial welfare workers with opportunity for study and training through its School for Labour and Industrial Relations.

The Association awards diplomas and certificates to qualifying candidates. F. I. W. A. (Ind.), Dips. of Fellowship, M. I. W. A. (Ind.), Dips. of Membership; A. I. W. A. (Ind.), Certs. of Association.

Executive Committee:—Patron—The Hon'ble Shri V. V. Giri, Minister of Labour, Government of India; *President* —S. K. Patil, M.P.; *Vice Presidents*—Miss Dorothy Moses, M.A., B.T., Dip. S.S. (Liverpool), C.S.W. (New York); Dr. M. V. Moorthy, B.A., Ph.D.; L. Piskal, M.Sc.; D. K. Sanyal, M.A., O.B.E.; *General Secretary*—E. J. S. Ram; *Treasurer*—V. K. Kothia.

INSTITUTE OF SECRETARIES

Lentini Chambers Dalal Street, Fort

President —A. C. Ramalingam, J.P.

Chairman —C. C. Sutaria

Hon. Secretary —C. J. Gambhirwala

Hon. Treasurer —P. I. Kapadia

INSTITUTO INDO-PORTUGUESE

Dhobi Talao, Bombay

IRAN LEAGUE

Navsari Building Hornby Road Bombay 1

Aims and Objects —To renew and continue the connection between the old land of Iran and Hind. To continue and encourage fraternal sentiment towards and interest and enthusiasm in the cause of Iran. To confederate the Zoroastrian population in Iran with a view to ameliorate their condition and also to strive for their uplift. To make researches with reference to their religion and ancient Parsi history. To stimulate commercial relations with Iran. To obtain and spread among Parsis and others by means of lectures and literature authentic information regarding the state of affairs in Iran. To secure the sympathy of the Indian Government and the Iranian subjects towards the cause of Parsis and Iran.

Secretary —K. A. Fitter, Neshan e Film

ISMAILIA ASSOCIATION

Recreation Chambers, Imamwada Road, Bombay 9

The Association originally the Recreation Club Institute a philanthropic and humanitarian body founded in 1912 with the object of uplifting and elevating the poor without distinction of cast or creed. It also tries to improve the social, economic and spiritual condition of the poor classes of people and with this intent has founded primary schools, associations and such other departments in order to ameliorate their condition and to achieve these objects by constructive and constitutional means. It has several branches in different parts of the country.

The Institute has lecture halls for social and religious gathering and publishes the *Isma'ili* (1 weekly) and *Alina* (monthly) both Anglo Gujarati.

Board of Executives —*World Head* All Mahomed Meekia *President*, Mahomedali G. I. Azubhooy *J.P.* *Vice President*, Mangalji A. Hooda, *Gen. Secretary* Gulamhussein D. Varas

JOGESHWARI RESIDENTS ASSOCIATION

Jogeshwari, East

President S. M. Madan *Vice President* G. V. Morvana, *Hon. Secy.* K. M. Borgaonkar *K. I. Bhagra* *Treasurer* S. P. Mehra

KANARA CATHOLIC ASSOCIATION

14 Noble Chambers, Parsi Bazar Street, Fort

OBJECTS —To promote mutual friendship between Mangaloreans at social gatherings along with other communities invited as guests, for dances, whilst drives, picture shows—Proceeds of which go for charitable institutions and leper homes.

KANARA SARASWAT ASSOCIATION

13, 1-2, Association Building, Talmakiwadi, Tardeo Road, Bombay

Objects —To foster a spirit of brotherhood and co-operation among the members of the Kanara Saraswat Community, to organise social service and promote the moral, intellectual and material advancement of the community.

President —Ganesh B. Bhatkal, *Vice-President* —Atmaram H. Kulkarni, *Chairman* —K. S. Mavinkurve, *Secretary* —G. V. Mavinkurve, *Jt. Secretary* —Gajanan V. Nadkarni, *Treasurer* —G. V. Nadkarni, *Jt. Treasurer* —R. K. Kombarball

KANDOLIA YOUNG MEN'S ASSOCIATION

13, Anantwadi, Bombay 2

The Association's aims are to bring about union amongst the Community, to promote friendship between different circles, help to educate poor students, to run a periodical devoted to the Community's needs, etc.

KARKAL BILLAWAR UNION

192, Bazar Gate Street, Bombay 1.

Objects —To spread education among the Billawars of Karkala taluk, award scholarships, establish hostels, schools, reading rooms and libraries for the benefit of Billawars and other educationally backward communities.

KERALAYA MAHILA SAMAJ

Cadell Road, Shivanji Park, Bombay 18.

Nature of the Body Social

President. Mrs. Yasoda Karuvan.*Vice-President.* Mrs. Mary Korula.*Secretaries.* Mrs. S. R. Nair, Mrs. M. Cherlan.**KHORSHED MANDAL.**

C/o Messrs. Gagrut & Co., All Chambers, Medows Street, Bombay 1.

Objects.—Advancement *inter alia* of the religious, moral, educational and social well-being of Parsis professing the Zoroastrian Faith and the performance of Jasan and Navjot ceremonies of poor Parsi boys and/or girls, holding of elocution competitions for Parsi students attending schools and colleges and giving help to poor and deserving Parsi students.

Board of Trustees.—M. S. Banaji, F.C.R.A. (Lond.) (*Chairman*); D. D. P. Adenwalla; H. A. Gagrut, B.A., LL.B., Solicitor; H. E. Mistry, B.A. (Hons.), LL.B.; S. P. Bharucha; P. R. Patel, B.A., LL.B.

KINEMATOGRAPH RENTERS' SOCIETY LTD.

Huron House, Bazar Gate Street, Bombay 1

The objects for which the Society is established are to guard the prosperity and development of the motion picture industry in India and to protect its members against all persons who discredit the motion picture business.

J. Remi Crasto (President), N. C. Laharry (Vice-President), B. N. Nadkarni (Council Member)

KITTE BHANDARI AIKYA-WARDHAK MANDALI

K. B. A. V. Mandali's Building, Gokhale Road (North), Dadar, Bombay.

Object.—To strive for the educational uplift of the Kittle Bhandari Community and to assist by the grant of Scholarships to the poor and deserving students of the community.

President.—Rao Bahadur S. K. Bole.*Vice-Presidents.*—H. S. G. R. Jaokar and S. B. Golatkar.*Secretary.*—A. B. Parker.*Treasurers.*—Rao Bahadur S. K. Bole, V. D. Kunagutkar; V. S. Bole; K. R. Deyker and A. S. Bagatkar.*Treasurer.*—Y. D. Bole.*Asst. Treasurer.*—D. B. Kamblit.**KOLI YUVAK SANGHA**

475, Madhavrao Bokde Street, Bombay 9.

Objects.—(1) To strive for the uplift and advancement of the Koli Community, (2) To remove illiteracy and promote education.

MANAGING COMMITTEE.

President.—T. J. Thanekar, *Vice-President*—P. N. Thanekar; *Jt. Secretaries.*—R. L. Thanekar, J. N. Thanekar, *Auditors.*—M. R. Koli, B. N. Thanekar, *Members.*—S. L. Thanekar, D. P. Thanekar, K. J. Thanekar.

LOCAL SELF-GOVERNMENT INSTITUTE

11, Elphinstone Circle, Bombay 1.

Association of Municipalities and other Local Bodies in Bombay State, established in 1927.

Conducts training classes for Local Self-Government Service, awards L.S.G.D. Diploma, recognised by Government of Bombay.

Maintains a big library and runs book depot of publications on Local Self-Government subjects, conducts four journals in English, Marathi, Gujarathi and Kanarese.

Tenders free legal and technical advice to Local Bodies, acts as Central Stores Purchasing Agency, holds periodical Conferences of Local Bodies, and renders other numerous services.

LOKAMANYA SEVA SANGH

Tilak Mandir, Vile Parle (East), Bombay No. 24.

A non-communal and non-sectarian body which aims at co-operation and unity amongst all citizens, in all matters, social, educational and civic.

The Institution owns a large building (Tilak Mandir), which is equipped with a gymnasium, a library and a meeting hall. Among various other activities, the Institution conducts a ration grain shop. All activities are handled by honorary workers.

President.—H. D. Phansalkar; *Chairman, Mfg. Committee.*—H. N. Kale; *Secretaries.*—S. M. Joshi and K. B. Phansalkar.

MAHARASHTRA LIBRARY ASSOCIATION

737, Parsi Colony, Dadar, Bombay.

OBJECTS.—(a) To spread the movement of public libraries and reading rooms by starting new ones; (b) To help the existing ones by various means; (c) To institute a model free library and reading room for Maharashtra; (d) To carry on educative propaganda in general and to make endeavours for attaining the objects of the resolutions passed at the last Maharashtra Libraries Conference; and (e) To organise free reading rooms and libraries in Maharashtra.

MAHIM-PARSEE ASSOCIATION

Narielwalla Building, Station Road, Mahim, Bombay 18.

The Institution was founded for the social and economic welfare of the Parsee Zoroastrians residing at Mahim and neighbourhood.

OFFICE-BEARERS.—*President.*—B. K. Bomun-Behram; *Vice-President.*—S. N. Kotwal; *Honorary Treasurer.*—D. R. Kharas; *Honorary Secretary.*—T. B. Chinov.

MANGALOREAN CATHOLIC CO-OP. CREDIT SOCIETY LIMITED

14, Noble Chambers, Parsi Bazar Street, Fort.

OBJECTS.—To encourage thrift and co-operation amongst its members and to create funds by means specified hereafter, to be lent out at interest to the members of the society and to other registered co-op. societies, by issuing shares or debentures, by receiving deposits, by receiving loans and by donations.

MARATTA MANDIR, LTD.

Lamington Road (North), Bombay.

The aims and objects of the Maratta Mandir are to work generally for the uplift of the masses backward in educational, social and other fields.

The Maratta Mandir has at present six branches, including Bombay Education League, which runs:—

High School at Thakurdwar, 320, Girgaon Road, Worli High School, No. 49, B.D.D. Chawls, Worli. Primary School, Byeculla; Shri Shahaji High School, Akalkot; Training College for men, Akalkot; Sri Ramrao Vidya Mandir, Jath; Maratta Mandir, Sholapur Branch; Maratta Mandir's Co-operative Bank, Ltd.; Maratta Mandir's Seva Sangh; Maratta Mandir Higher Education Fund and Birla Foreign Scholarship Fund and Maratta Mandir's Publicity Bureau.

GOVERNING COUNCIL.—*President and Patron.*—Lieut.-General His Highness Sir Jiwajirao Maharaja Shindia Alkhan Bahadur, G.C.S.I., G.C.I.R., Maharaja of Gwalior, *Patron.*—Major-General His Highness Maharaja Sir Pratapsinha, Maharaja of Baroda; *Vice-President and Patron.*—Ft./Lt. Patangshah Yeswantrao Mukne, Maharaja of Jawhar; *Patron.*—B. D. Sawant; *Treasurer.*—B. D. Sawant, A. H. Sawant; *Vice-Patron and General Secretary.*—G. G. Gawde; *Hon. Jt. Secretary.*—T. D. More.

MARITIME UNION OF INDIA

204, Hornby Road, Bombay 1.

The Union formed in 1939 is a registered, recognised and representative Union and is affiliated to the International Transport Workers' Federation, the Officers (Merchant Navy) Federation of London and the Hind Mazdoor Sabha.

The Union is recognised by the principal shipping companies and is represented on the Maritime Labour Advisory Committee, Port Welfare Committee, and on the Councils of the Officers (Merchant Navy) Federation, Hind Mazdoor Sabha, and the Indian Sailors Home Society.

The Union's quarterly publication the "OCEANITE" is the only maritime magazine in India.

The Merchant Navy Co-operative Stores, Ltd. situated opposite Red Gate, Alexandra Dock, is sponsored by the Union.

The Union has a branch office in Calcutta.

President.—Capt. R. R. Memery.

General Secretary.—J. D. Randheri.

MARWADI SAMMELAN

Kalbadevi Road, Bombay 2.

Objects.—To spread education amongst the people; to undertake activities for their literary, social, spiritual and moral progress; to render medical help; to encourage and help Hindi literature and language; to establish educational institutions; to open dispensaries, service leagues, debating societies, etc.; to educate the public by demonstrations; to undertake the printing and publishing of newspapers, periodicals and books; to encourage the formation of volunteer corps; to award scholarships to deserving scholars; and, for the purpose of the society, to collect funds by means of donations and subscriptions and to expand the same for the benefit of the society.

MECHANICAL ENGINEERS' ASSOCIATION (INDIA)

Janmabhoomi Chambers, 29, Fort Street, Bombay 1

Objects.—To promote the general advancement of engineering science (Civil, Mechanical, Electrical, etc.) and its application to India; and to facilitate the exchange of views, ideas regarding allied subjects amongst members and persons attached to the Association, and maintain local centres in several important States and thus ensure each individual member being given equal opportunity to enjoy the rights and privileges of the Association in all engineering matters.

President.—N. V. Modak, C.I.E., B.E., M.Inst. C.E., M.I.E. (India), F.R.San, I., M.M.E.A. (India); **Vice-President.**—B. N. Karnik, Lieut., I.N.V.R., L.E.E., L.M.E., M.M.E.A. (India); **Hon. Secretary.**—K. F. Kapadia; **Hon. Treasurer.**—R. L. Sen, L.M.S., A.M.Inst. B.E. (London), M.M.E.A. (India).

MEMON MERCHANTS ASSOCIATION

Nawab Building, Chakla Street, Bombay 3.

Nature of Body: Commercial.

President. Jannmohamed Haji Dawood.**Hon. Secretary.**—M. I. E. Bangalorevala.**Secretary.**—Mohamed Iyob.**MILLOWNERS' ASSOCIATION, BOMBAY**

Elphinstone Building, Vir Nariman Road, Bombay 1.

The Association, was established in 1875 and its objects are:—(a) To encourage friendly feeling and unanimity amongst Millowners and users of steam, water and or electric power on all subjects connected with their common good. (b) To secure good relations between members of the Association. (c) To promote and protect the trade, commerce and manufactures of India in general and of the cotton trade in particular. (d) To consider questions connected with the trade, commerce and manufactures of its members. (e) To collect and circulate statistics and to collect, classify and circulate information relating to the trade, commerce and manufactures of its members. (f) To take all steps which may be necessary for promoting, supporting or opposing legislative and other measures affecting the trade, commerce or manufactures of its members. (g) To make representations to Local and Central authorities on any matter connected with the trade, commerce and manufactures of its members. (h) To arbitrate in the settlement of disputes arising out of transactions in piece-goods and yarn between parties willing or agreeing to submit to arbitration in accordance with the arbitration rules of the Association. (i) To advance and promote commercial and technical education connected with the trade and commerce of its members. (j) To undertake special enquiries and initiate or support any action for securing the redress of legitimate grievances connected with the trade or commerce of its members. (k) To take any action which may be conducive to the extension of the trade and commerce of its members or incidental to the attainment of this object. (l) To subscribe, to become a member of and co-operate with any other Association whether incorporated or not whose objects are altogether or in part similar to those of this Association and to procure from or communicate to any such Association such information as may be likely to forward the objects of this Association. (m) To establish or aid in the establishment of funds to benefit employees of the Association or the dependents, of such persons and to subscribe, donate or guarantee money for charitable or benevolent purposes at the discretion of the Association. (n) To regulate conditions of employment in the industry conducted or carried on by its members. (o) And generally to do all that may be necessary in the interests of the realisation of the above objects of the Association directly or indirectly.

From the 1st July 1924, the Association started an Insurance Company under the name of "The Millowners' Mutual Insurance Association Ltd." for payments of claims made by workmen under "the Workmen's Compensation Act."

Committee.—Sir Vibul N. Chandavarkar, Kt. (Chairman); Neville N. Wadia (Deputy Chairman); T. V. Baddeley, D. M. Khatau, K. M. D. Thackersey, J. C. Burns, G. D. Sonani, Ramnath Podar, Radhakrishna Ramnarain Rula, M. L. Tapuria, S. P. Jain, E. D. Sheppard, F. Edwards, P. Bhoglal, A. N. Mafatlal, N. H. Tata, B. L. Buhna, F. H. Kemple, R. L. Coghlan and L. N. Birla; N. S. V. Aiyer (Secretary) and R. G. Gokhale (Labour Officer).

MILLOWNERS' MUTUAL INSURANCE ASSOCIATION, LTD.

The Association was registered in 1924 as a Company limited by guarantee. The registered office of the Association is located in Elphinstone Building, Vir Nariman Road, Bombay 1.

Objects.—(a) the mutual insurance of members of the Company against liability to pay compensation or damages to workmen employed by them or their dependents for injuries or accidents, fatal

or otherwise, arising out of and in the course of their employment; (b) the insurance of members of the Company against loss or damage by or incidental to fire, lightning, etc.; and (c) to insure or in any way provide for or against the liability of the Company upon any assurances granted or entered into by the Company and generally to effect and obtain re-insurances, counter-insurances and counter-guarantees, etc., etc.

Directors.—

D. M. Khatau (Chairman), Sir Joseph Kay, K.B.E.; Krishnaraj M. D. Thackersey; J. C. Burns; Radhakrishna S. Khaitan; Neville N. Wadia; T. V. Baddeley, C.B.E. and A. N. Mafatlal.

A. C. M. Cursetjee, M.A., LL.B., Secretary

MOGAVEERA VYAVASTHAPAKA MANDALI, BOMBAY

Mahek Mansion, 8, Nanabhai Lane, Bombay 1.

Branch at:—Hampankatta, Mangalore.

Objects.—1. Promoting the spread of education by day and night schools. 2. Awarding scholarships to deserving students of the Mogaveera community. 3. Establishing hostels, schools, reading rooms and libraries to foster a spirit of brotherhood and co-operation, and 4. Holding commercial classes, conversational debating meetings and lectures.

MOTION PICTURE SOCIETY OF INDIA

Sandhuist Building, Sandhurst Road, Bombay.

Objects.—The objects of the Society are promotion of the Film Industry in general by providing a meeting place for exchange of views of all interested; investigating problems peculiar to the industry with a view to helping it to make rapid progress; educating the general public in the utility of the film industry from social, industrial and educational points of view, etc.

President.—Chandulal J. Shah; **Vice-President.**—M. B. Billimoria; **Hon. Treasurer.**—B. D. Bhurucha; **Secretary.**—I. K. Menon.

MOTOR MANUFACTURERS' & IMPORTERS' ASSOCIATION, LTD.

Bank of Baroda Building, Apollo Street, Bombay 1.

Objects.—To encourage, promote and protect the interests of the motor trade and industry, and in particular the interests of manufacturers and importers of and dealers in motor vehicles, wholesale and retail, and users of motor goods and others having commercial relationship with the motor industry.

Chairman.—C. Bonnet United Motors (India) Ltd., Hughes Road, Bombay. **Vice-Chairman.**—Dr. J. M. Rane, Dadajee Dhackjee & Co. Ltd., Sandhuist Bridge, Bombay.

Secretaries and Treasurers.—Ford, Rhodes, Parks & Co., Chartered Accountants.

MUSLIM AMBULANCE SOCIETY

Muslim Ambulance Building, 152-154, Kanbeker Street, near Zakeria Masjid, Bombay 3.

Objects.—(1) Organisation of ambulance corps, invalid transport Corps. (2) General promotion of instructions and carrying out works for the relief of suffering of the sick and the injured in peace and in war independently of nationality or denomination. (3) Establishment and maintenance of ambulance stations, hospitals, etc. (4) To do all such things as are incidental or conducive to the attainment of the above objects or any of them.

MYSORE ASSOCIATION, BOMBAY

32, Bhanu Daji Road, Matunga, Bombay 19.

Patron.—His Highness Sri Jayachamaraja Waiyyar, Bahadur, G.O.S.I., Raj Pramukh of Mysore.

President.—B. Narayanaswamy.

Vice-President.—S. K. Swamy.

Jt. Hon. Secretaries.—T. R. S. Anandam and N. R. N. Iyengar.

NAIGAUM SOCIAL SERVICE SOCIETY

164, B.D.D. Chawls, Nalgaum, Bombay 14.

This Institution has been working for the welfare of the women and children of the labouring classes residing in the neighbourhood.

It is a sort of culture centre as it tries through its various activities such as a nursery school, women's classes, dispensary and play-centre, etc. to help them to become physically, mentally, as well as morally healthy and strong.

President.—Mrs. Shufi Tyabji; **Hon. Secretary.**—Mrs. Nalini Dahanukar; **Hon. Treasurer.**—Miss H. D. Hunt; **Warden.**—Miss V. Gadre.

NATIONAL ASSOCIATION FOR THE BLIND

Office :—C/o The Victoria Memorial School for the Blind, Tardeo, Bombay 7.

AIMS AND OBJECTS :—To work in the whole of India for the prevention and cure of blindness and for the blind and the welfare of the Blind, to bring about co-operation among the various organizations of the Blind, to co-ordinate their activities, to organise and start new organisations and institutions for various activities for the welfare of the blind and to do all such other things as may be necessary for the promotion of the interest of the Blind.

Funds are derived from donations from the public and by organising entertainments, etc.

OFFICE-BEARERS :—*President* :—R. M. Alpalwalla, Bar-at-Law; *Vice-Presidents* :—Col. Sir Jamshedji N. Duggan, K.B.E., C.I.E., D.O. (Oxon.), Sir Rustom P. Masani, Principal Amal Shah; *Secretaries* :—Capt. H. J. M. Desai, V. R. Parulkar, K. N. K. Jussawala, Lt. G. L. Nardekar, P. N. S. Razdan; *Treasurers* :—B. R. B. Vakil, R. S. Poochkanawalla.

NATIONAL EMPLOYERS' MUTUAL GENERAL INSURANCE ASSOCIATION LTD.

Kamant Chambers, 32, Nicol Road, Ballard Estate, Bombay.

Manager for India. K. L. Pasricha.

Branch Manager.—H. K. F. Narlman.

Chief Office for Northern India.—4, Peareylal Building, Queensway, New Delhi.

Manager.—M. L. Pasricha.

NATIONAL INDIAN ASSOCIATION

(Ladies' Branch.)

The objects of the Association are the advancement of education of women in Bombay colleges by award of scholarships; the promotion of friendly intercourse between different communities by social gatherings and lectures (barring religious and political subjects).

Office-Bearers :—*President*.—Shrimati Bajpai; *Vice-Presidents*.—Lady Byramjee Jeejeebhoy and Lady Chandavarkar; *Hon. Secretaries*.—Mrs. J. R. B. Jeejeebhoy and Mrs. Velinkar; *Honorary Treasurer*.—Mrs. David; *Official Residence*.—"The Cliff", Ridge Road, Bombay.

NATIVE SHARE AND STOCK BROKERS' ASSOCIATION

The Stock Exchange.

Sir Dinshaw Petit Brokers' Exchange Hall, Dalal Street, Bombay 1.

President :—K. R. P. Shroff.

Vice-President :—Amratlal Kalidas.

Honorary Treasurer :—Fali Jehangir Guzdar.

Secretary :—P. J. Jeejeebhoy.

Asst. Secretary :—A. J. Shah.

NORTH KANARA GOUD SARASWAT BRAHMAN SANGH

Laxmisadan, 861, V. J. Patel Road, Bombay 4.

Aims and Objects :—To foster brotherhood and co-operation among members of the community; to promote unity and solidarity among them and to encourage physical, intellectual and social well-being provided always that the Sangh shall not carry on any political propaganda.

OIL MERCHANTS' CHAMBER

281-83, Narsi Natha Street, Bombay 9.

Object : To do everything for the benefit and advancement of oil trade industry in Bombay State and elsewhere in India.

The chamber has standard rules and regulations and practically the whole of vegetable oil trade in Bombay is being done under the contracts of this Chamber. The Chamber has its own arbitration machinery for settlement of trade disputes. Besides its normal activities the Chamber maintains a Laboratory under its auspices for analysis of various oils and has arrangements for analysis of oilseeds and oilcakes as well.

For the collection and dissemination of information and statistical data pertaining to oil and oilseeds as well as for the advancement of this trade and industry the Chamber has been publishing an exclusive Journal devoted to oils and oilseeds *Oils and Oilseeds Journal*. This is of course a pioneering endeavour on the part of this Chamber in the country.

The Chamber had taken a notable lead in convening an All India Conference of Associations of Oil Industry & Trade in July 1950. The Conference culminated in the formation of the Central Organisation for Oil Industry & Trade.

An analytical laboratory for analysis of samples of oils, oilseeds and oilcakes, symposium on oils and fats, held under its auspices during February 1953 are some of the notable services rendered by this Chamber to oil industry & trade. The Chamber issues certificates of sampling and analysis, certificate of weightment, certificate of origin of goods, etc. for the convenience of export trade as well as local trade at very nominal cost.

OFFICE-BEARERS :—*President* : Ratilal Mulji Gandhi, M.L.C., J.P.; *Vice-President* :—Vallabhadras V. Mariwala, J.P.; *Hon. Secretary* : Tulalidas M. Vishram; *Secretary* : Ramanlal C. Sheth, B.A.

PAPER TRADERS' ASSOCIATION

54, Sutar Chawl, Bombay 2.

Objects :—To create, maintain and encourage friendly feeling and secure co-operation among the members, on all subjects connected with the paper trade, to provide them with a common meeting ground and to protect the interests of this trade and the persons engaged in it.

President.—B. M. Chokshi; *Vice-President*.—B. K. Doshi; *Hon. Secretaries*.—Amabalal P. Shah, T. V. Seshan; *Hon. Treasurer*.—Mohanlal S. Dharia.

PARSI CENTRAL ASSOCIATION CO-OPERATIVE HOUSING SOCIETY, LTD.

Bombay Mutual Annexe, Gunbow Street, Bombay 1.

Chairman.—Mancherji Edulji Joshi; L.C.E., M.I.N. (India).

Hon. Secretary.—J. J. Engineer, B.A., B.E., A.M.I.E. (India).

Jt. Hon. Treasurers.—B. E. Kumana, B.Com., B.A., A.S.A.A. (Lond.), Incorporated Accountant; H. D. Katrak, B.Com., LL.B., G.D.A.

PARSI CENTRAL ASSOCIATION & POLITICAL LEAGUE

107, Mahatma Gandhi Road, Bombay 1.

Aims and Objects :—(a) To protect and safeguard the political, economic and other interests and rights of the Parsi community and for that purpose to take such steps as may be necessary and expedient. (b) To secure equitable political rights for the Parsi community in the present and future Constitutions that may be under contemplation with a view to seeing that the community is given a share in the administration of the affairs of the country, considering its position as an enlightened community with wide economic, commercial and industrial interests. (c) To use all constitutional ways and means for achieving the aforesaid objects.

President.—Sir Cowasji Jehangir, Kt., K.C.I.E., G.B.E.

Hon. Secretaries.—S. N. Guzder and Naushir Bharucha.

PARSI FEDERAL COUNCIL

Jehangir Mansion, 1st Marine Street, Post G.P.O., Bombay.

President.—Dr. M. C. Bilpodiwala; *Vice-Presidents*.—B. K. Mistry, Dr. K. K. Dadachanji, J. C. Tarapore; *Hon. Secretaries*.—A. B. Homavazir, N. H. Billimoria, Dr. H. B. Bana; *Hon. Treasurer*.—Khan Sahib C. P. Madon.

PASSENGERS' AND TRAFFIC RELIEF ASSOCIATION

Anand Bhavan, Hornby Road, Fort, Bombay 1.

Objects :—(a) To endeavour to redress grievances of the travelling public using railways, steamers, local transport or air. (b) To deal with transport problems in general. (c) To make representations to Government, Local Bodies and all transport undertakings for redress of complaints, amenities and betterment of conditions and difficulties in carriage of goods. (d) To educate the public using transport with regard to their rights and remedies and also their responsibilities. (e) To take all necessary steps in the furtherance of these objects.

President.—A. B. Pandya. *Vice-President*.—G. D. Modi.

Hon. Joint Secretaries.—Homi J. H. Talyarkhan, F. B. Mistry.

PATHARE KSHATRIYA CO-OPERATIVE HOUSING SOCIETY, LTD.

Office :—C/o K. U. Club, Vamnal Hall, Dadar, Bombay.

Sub-Office :—C/o P. K. V. Samaj, Gamdevi, Bombay.

Objects :—To buy, sell, hire and develop land in accordance with co-operative principles and carry on social, recreative and educational work relating to its tenants.

Chairman.—M. D. Raote, F.A.C.C.A.; *Hon. Secretary*.—Pyarelal Shamrao Parulkar, B.Sc., LL.B., Advocate; *Hon. Treasurer*.—Nilkanth Balwant Bendekar.

PATHARE PRABHU CO-OPERATIVE HOUSING SOCIETY, LTD.

Ram Bhuvan, 6th Road, Khar Bombay-21

Objects—To buy, sell, hire and develop land in accordance with co-operative principles and perform social, recreative and educational work relating to its tenants and make purchases of domestic requirements of its members

President—Rao Saheb Ramrao Dhakjee Rane B.A. I.L.B., Advocate.

Chairman—Ramrao M. Rane B.A.

Hon. Joint Secretaries—Sunderrao V. Rane and Vamanrao Y. Vijayakar, B.A.

PATHARE PRABHU SOCIAL SAMAJ

P. P. Dnyani Bhuvan No. 2 Room No. 12
1hakurdwar Bombay 2

Objects—(1) To promote the cause of union among the members of the community by holding gatherings, organising soirees etc.
(2) To improve the literary and rhetorical knowledge of its members by delivering lectures, reading essays, holding discussions and
(3) To otherwise strive to promote the welfare and prosperity of the community

PEPPER & GINGER MERCHANTS' ASSOCIATION LIMITED

28, 87, Narsi Natha Street Bombay 9

Nature of Body—Trade

President—Vallabhdas V. Matiwala **Vice President**—Javerchand Padamsahi **Hon. Secretary**—Anandji B. Nagda

PERFUMERY RAW MATERIALS TRADE ASSOCIATION

143 Princess Street Sanj Bhuvan 1 Bombay 2

The objects of the Association are—to promote co-operation and friendly feelings amongst the persons, firms and companies engaged in or connected with the perfumery raw materials trade in Greater Bombay whether as stockists, importers, exporters, agents, or wholesale and retail merchants with a view to their adopting a common policy and collectively taking such steps as may be deemed necessary or expedient to further and safeguard the interests of the trade, to promote and safeguard the interests of the trade in all its branches and by all possible means, to represent officially the views of the Association on any matters affecting or likely to affect the trade to the Government of India, Local Government or any other local body or bodies, to promote support or oppose legislative or other measures affecting the trade, and to form, regulate and control, in the interests of the members of the Association, business policy, principles and etiquette

OFFICE BEARERS **President**—V. R. Valavalkar **Vice President**—Dr. V. M. Bhaye **Treasurer**—Vinayak G. Vaze **Honorary Secretaries**—Purshotam C. Patel and Kantilal N. Shah

PHARMACEUTICAL AND ALLIED MANUFACTURERS' AND DISTRIBUTORS' ASSOCIATION, LTD.

Imperial Chemical House, Ballard Estate, Bombay 1

G. P. O. Post Box No. 214, Bombay

The objects for which the Association is established are—to promote co-operation between and to protect the interests of persons, firms or companies owning, manufacturing, distributing or acting as accredited agents or representatives for the distribution of chemicals, drugs, pharmaceuticals, medical preparations, toilet and allied products, surgical, dental and veterinary instruments and appliances in India, and to co-operate with similar associations or bodies

To promote fair competition and methods of sale or distribution and to discourage unethical practices and propaganda or misleading and inaccurate claims and advertisements

OFFICERS—F. W. Griffin, M.B.E., B.Sc., Ph.D., **President**, R. Lumley, M.P.S., **Vice-President**, R. E. B. Rollo, M.P.S., **Hon. Secretary**, D. L. Amore, **Hon. Treasurer**

PHILATELIC SOCIETY OF INDIA

Formed on 6th March 1907. Annual Subscription Rs. 12. **Hon. Secretary**—R. Franklin DeSouza, 20-C, Khotachiwadi, Bombay 4.

PHOTOGRAPHIC SOCIETY OF INDIA

Saheb Building, 195, Hornby Road Bombay 1

Affiliated to the Royal Photographic Society of Great Britain and Photographic Society of America

The largest photographic Society in the East

The objects of the Society are to promote and encourage photographic art in India, to provide studio and dark room facilities to publish its photo magazine, to hold Exhibitions and lectures, etc

Annual Subscription Rs. 24 for Local Members, Rs. 12 for Mofussil Members **Entrance Fee** Rs. 5

Lectures and demonstrations every Friday at 6.30 p.m.

PRESS ASSOCIATION OF INDIA

196B Gaiwadi Girgaum Bombay 4

Started in 1915 to ventilate grievances of the newspapers and presses of India and to promote their interests in general

Hon. Secretary—M. C. Modi

PROGRESSIVE ARTS CIRCLE

Clifton Studios Standard Building Hornby Road 1 Bombay 1

Chairman—I. A. Makani J.I.

PROGRESSIVE GROUP

Shil House, Cumbw Street Fort

President—Miss Sylla Spencer

Vice President—Jalil Kapadia

Jt. Hon. Secretaries—Miss Shera Noshir Vajitkar Dhrubhai Kapadia **Hon. Treasurer**—Luxmi Das Kapadia

PROPERTY OWNERS' ASSOCIATION

Raja Bahadur Bansilal Mansion, 11, Bruce Street Bombay 1

Objects—To protect the interests of the property owners of the Bombay State and to safeguard their rights by all constitutional means, to organise and hold meetings, publish and distribute information and propaganda calculated to advance the true interests of the property owners and generally to give all possible services to members regarding their properties

Membership—Open to any person having attained the age of majority and owning any property or land in the Bombay State either in his or her individual right or as trustee or guardian or custodian or receiver of the property of a minor. Person includes firms, companies, associations entitled through their representatives to one vote

President—J. S. Dabholkar **J.P. Vice Presidents**—S. B. Kurwa, M.B.E. Bar at Law, S. M. Dahanukar B.E. AMIE SM (USA) M.L.C., **Jt. Hon. Secretaries**—R. C. Rile B.A., I.L.B. Solicitor, P. R. Sunkersett, B.A., Bar at Law, **Hon. Treasurer**—S. B. Goregaoker

PROVINCIAL INDUSTRIAL CO-OPERATIVE ASSOCIATION LTD

9 Bake House Lane Post Box 1115 Bombay 1

This is an apex body for producers co-operative societies in Bombay State

Chairman—D. M. Khatao **Secretary**—D. N. Iandon

PURE DRINKS STAFF UNION

Mogal House DeLisle Road Bombay 11

President—S. Partap Singh J.P.

Vice Presidents—K. N. Batra M. M. Mehta

General Secretary—Hardip Singh

Secretary—S. P. Singh

Treasurer—S. Kedar

Hon. Member and Labour Adviser—K. S. Gupta

RAJPUTANA SHIKSHA MANDAL

227, Kalbadevi Road, Bombay 2

Objects—To spread education, knowledge and science in all its branches amongst the people of Rajasthan, to start, establish, maintain, aid, take over, guide, supervise, manage and administer schools, colleges, pathshalas, institutions, literary societies and other educational institutions, to grant, arrange or award scholarships, stipends, etc., to deserving students

At present there are 26 schools in various parts of Rajasthan under this Mandal

RATHESTAR MANDAL

A Parsi association founded in Bombay for the physical, mental, moral, social and religious upliftment of the Parsi community.

Hon. Secretary & Treasurer.—Jehanbax Bomanshaw Vatchha, Tafti Building, South Frere Bridge, Grant Road, Bombay 7.

RESERVE BANK OF INDIA EMPLOYEES' ASSOCIATION

Reserve Bank of India, Bombay.

President.—Seth G. G. Moraji; *Vice-President.*—S. N. Elavin; *Hon. Secretary.*—K. M. Menon; *Hon. Asstt. Secretaries.*—C. R. Sen Gupta, P. R. Palekar; *Hon. Accountant.*—A. R. Subramanyam; *Hon. Treasurer.*—M. Nazareth; *Hon. Auditor.*—T. Limathwala.

ROHIDAS (HARIJAN) EDUCATION SOCIETY

112, Medows Street, Bombay 1.

Established in 1939 to promote education, provide work, and remedy the social disabilities of the Chambar (Harijan) classes.

President.—N. S. Kajrolkar. *Secretary.*—S. N. Shiwarkar.

SAFETY FIRST ASSOCIATION OF INDIA

Indian Globe Building, Fort Street, Bombay 1

The aims include the promotion of safety teaching and safety measures and the prevention of accidents on roads, in factories, mines, workshops, schools and homes, and the encouragement of co-operation between different sections of road-users and between employers and employed.

The maintenance of a continuous educational safety propaganda through the press, platform, the wireless and the Association's monthly magazine "Efficiency News" and through publications such as Industrial Efficiency Communiques, Games Lessons, Indian Highway Codes, leaflets and posters, exhibitions and film shows.

President.—The Hon'ble Sir Rahimtoola Chunoy, Kt; *Hon. General Secretary.*—P. J. D'Souza; *Chairman, Bombay Prior Branch.*—A. A. Jashnvala; *Hon. Secretary.*—D. S. Venkatraman, F.C.S.

SAMYUKTA KARNATAK SANGHA

Navsari Building, Hornby Road, Bombay 1.

A federation of Karnatak institutions in Bombay formed to co-ordinate their activities and to present a common platform for all important cultural events and undertakings pertaining to Karnatak. The present number of associations affiliated to this Sangha is nineteen representing nearly twenty-five thousand members.

Ex-Presidents.—Rajakavyaprakashta K. Ramaswami, Justice R. A. Jahagirdar and Justice N. S. Lokur, N. V. S. Murty and R. V. Murthy.

OFFICE-BEARERS.—*President.*—K. N. Gaitonde; *Vice-President.*—H. S. C. Swamy; *Treasurer.*—J. N. Iyer; *Hon. Gen. Secretary.*—Varadraj A. Adya; *Joint Hon. Secretaries.*—H. M. K. Murty and C. M. Desai; *Auditor.*—R. K. Karanth.

SANTA CRUZ MALAYALEE SAMAJAM

Air View Building, Pandit Jawaharlal Nehru Road, Santa Cruz, Bombay 25

Aims and Objects.—To promote unity amongst the Malayalees in Bombay; to improve their physical and intellectual status; to open libraries and free reading rooms; to encourage arts and crafts; to conduct Hindi and Malayalam classes; to run Ayurvedic dispensaries; to promote the social, economic and cultural welfare of the community by such other means in co-operation with other organisations of similar nature. Membership open to all Malayalees.

President.—K. R. Menon; *Vice-President.*—V. R. Motilal; *General Secretary.*—K. V. Menon

SCREEN PRINTERS' ASSOCIATION

Kalbadevi, Bombay 2.

Formed in 1943 to meet the growing needs of the rapidly developing Hand-Industry of "Screen-Printing"—an artistic and scientific process of printing on Textiles.

AIMS AND OBJECTS.—To safeguard interests of the industry—to find out ways and means to ensure its full development and efficient and uniform working—to strive for removal of all difficulties, viz. foreign competition, etc., standing in the way of its perfect growth—to collect information and statistics in respect of the industry for circulation amongst members—to adopt ways and means to facilitate dealings between members *inter se*, members and non-members, etc., in respect of this industry.

SERVANTS OF INDIA SOCIETY

BOMBAY BRANCH.

Sardar V. Patel Road, Girgaum, Bombay.

The Society was founded in 1905 by G. K. Gokhale with the object of training national missionaries for the service of India and promoting the true interests of the Indian people by all constitutional means. The Bombay branch takes special interest in social and educational work and the labour movement.

Bombay Branch Members. Dinkar D. Desai, *Senior Member*; K. J. Chitalla, *Member*; K. L. N. Rao, *Member and Secretary*.

SEVA SADAN

The Society was started on the 11th of July 1908, by the late B. M. Malabari and Dayaram Gidumal. It is the pioneer Indian ladies' society for training Indian sisters and serving the poor, the sick and the distressed. To spread its gospel far and wide, the first branch was opened at Poona as early as 1909. The Society has its headquarters in Gamdevi, Bombay, and maintains the following departments of work: (1) Home for the homeless; (2) *Ashramas* (Training homes); (3) A Marathi Training College, with a Primary School; (4) Home education classes; (5) Industrial department including a workroom, sewing, cutting, hosiery, cooking and pastry, and machine and hand embroidery are among the chief industries taught. The total number of women in the different classes is over 900.

Hon. Secretary. Miss B. A. Engineer, M.A., LL.B., M.B.E., J.P.

SEWREE IRON & STEEL COMPANY EMPLOYEES' UNION

Mogul House, Delisle Road, Bombay 11.

President.—S. Parbat Singh, J.P.

Vice-Presidents.—Atma Singh, T. A. Natayan

General Secretary.—Balwant Singh.

Secretary.—Champaklal R. Oza

Treasurer.—Stanley D. Rozario

Hon. Member and Labour Adviser.—K. S. Gupta

SHREE KANDOLIA YUVAK MANDAL

Bhuleshwar, Anantwadi, Madanji Mohanji House, Bombay 2.

The object of the Mandal is to promote union in the community, initiate social reforms, to run a journal devoted to the interests of the community, etc.

SILK & ART SILK MILLS' ASSOCIATION LTD.

Podar Chambers, 109, Parsi Bazar Street, Bombay 1.

OBJECTS.—To encourage friendly feeling and unanimity amongst manufacturers of Silk and Art Silk products in India; to promote the interests of manufacturers of Silk and Artificial Silk products in India generally; to collect and circulate statistics and also to collect, classify and circulate information; to make representations to Local and Central Governments on any matter connected with the trade, commerce and manufactures of its members; to arbitrate in the settlement of disputes arising out of transactions in silk and artificial silk piece-goods and yarn; to undertake special inquiries and initiate or support any action for securing the redress of legitimate grievances connected with the trade or commerce of its members; to regulate the conditions of employment in Silk and Art Silk Industry conducted or carried on by its members, etc.

Chairman.—D. N. Shroff

Vice-Chairman.—M. J. Vaidya.

Secretary.—H. A. Bharucha.

SILK MERCHANTS' ASSOCIATION

Dahanuker Building, Kalbadevi Road, Bombay 2.

Has contributed to a very great extent to the establishment, expansion and stabilisation of Silk and Art Silk trade in India.

Aims.—To make efforts to expand import and export trade, to protect the interests of the members and help them in their difficulties in connection with the trade. To contact the Government and other authorities concerned for securing legitimate protection against foreign competition for the trade. To encourage and take advantage of any research which may be in the interests of the trade. To collect information and statistics regarding this trade for circulation amongst members, etc. To make rules and regulations so as to secure smooth dealings between members *inter se*. To arbitrate in the disputes arising from the transactions amongst members *inter se* and between members and non-members.

OFFICE-BEARERS:

President.—P. M. Chahal.

Vice-President.—T. Murl.

Hon. Secretary.—Purshotamdas H. Sabrani.

Hon. Jt. Secretary.—Manilal Bapuj.

SOCIAL SERVICE LEAGUE

Servants of India Society's Building,
Sandhurst Road, Girgaon, Bombay 4.

Aims and Objects.—Collection and study of social facts. Promotion of the physical, moral and economic welfare of the people. **Training of social workers.** Cosmopolitan. **Activities.**—Two night schools, the Marathi Night School at Chinchpokli and New Nagpada Urdu Night School at Nagpada. A free library and reading room at Chinchpokli and at Madanpura. A Textile Technical School at Parel. Industrial schools for women in 6 different centres in the city. Three dispensaries, namely, Bachubhai Kanji Kaisandas Charitable Allopathic Dispensary at Parel, Nazir Ayurvedic Charitable Dispensary at Parel and Dubash Homoeopathic Charitable Dispensary at Madanpura. A gymnasium for working men at Parel. The Parel Night High School at Parel. A Co-operative Credit Society for members. **Magazine.** A Quarterly Magazine called the *Social Service Quarterly*.

SOCIAL WORKERS' SOCIETY

207, Bazar Gate Street, Bombay 1.

Aims and Objects.—The pursuit of social service generally, and especially with a view to ameliorating the physical, moral and mental condition of the people, irrespective of caste or creed.

President. Miss K. Khandwalla, M.A., **Vice-Presidents.**—C. G. Vakil, Miss P. N. Nariman **Hon. Secretaries.**—M. A. Moses, G. P. Rawal **Hon. Treasurer.**—R. B. Patel

SOCIETY FOR THE CARE, TREATMENT AND TRAINING OF CHILDREN IN NEED OF SPECIAL CARE

Ravi Lodge, Warden Road, Bombay

President. N. J. Wadia; **Vice-President.** Sir Janardan Madan, Kt., C.S.I., C.I.F.; **Hon. Secretary.** Mrs. Jai H. Vakeel, **Hon. Treasurers.**—N. J. Wadia, Mrs. Jai H. Vakeel

SOCIETY FOR THE PROTECTION OF CHILDREN IN WESTERN INDIA

(Byramjee Jeejeebhoy Home for Children)

King's Circle, Shradhdham Road, Matunga, Bombay 19.

The objects of the Society are :—To rescue children of all castes and creeds from the streets of Bombay, to prevent begging or other improper use of poor children by adults, to pass such children on to existing charitable institutions and to provide for those otherwise unprovided for, with the support and assistance of the police, to prevent children so far as possible from appearing in Police Courts, to prevent the public and private wrongs of children and the corruption of their morals, to take action for the enforcement of the laws for the children and if necessary to suggest new laws or amendments to the existing laws, to promote education, to provide and maintain an organization for those objects, to do all other lawful things, incidental or conducive to the attainments of the foregoing objects.

Several experiments are being carried out successfully in self-expression and self-government by children of the B. J. Home.

SOCIETY OF THE HONORARY PRESIDENCY MAGISTRATES OF BOMBAY

Esplanade Police Court Building, Bombay.

The objects of the Society are (a) to afford facilities to members of the Society for meeting and discussing matters connected with the functions, duties, rights, privileges and interests of the Honorary Presidency Magistrates.

Office-bearers. **President.**—Khusru S. Sethna, J.P.; **Vice-President.**—P. M. Chinal, J.P.; **Jt. Hon. Secretaries.**—N. C. Pujana, J.P., Adam M. Bhurucha, J.P., **Hon. Treasurer.**—Hansraj Rattansey, J.P.

SOCIETY OF INDIAN MAGICIANS

211-219, Frere Road, Bombay 1.

The Society was founded in 1934 to foster and promote the interest of magic amongst the professionals and amateurs throughout India; to bring together all magic-minded persons of either sex and put them into proper touch with the art of magic in all its branches; to promote social contact amongst members and to provide a common meeting place for them; to obtain recognition of magic as an art and its entertaining value in the eyes of the public; to provide and maintain a library for the benefit of members, and to arrange performances in order to enable members to show their talents.

SOCIETY OF RETIRED PARSI OFFICERS

Noble Chambers, Parsi Bazar Street, Bombay 1.

The aims and objects of this Society are (1) to raise a corps of voluntary workers willing to render communal service and to help the cause of the poor and unemployed in their distress, (2) to initiate and promote educational, industrial and other activities for the welfare and advancement of the Parsi community, and (3) to assist the other Parsi organisations and associations for similar objects either by advice, co-operation or co-ordination.

The Society had framed a scheme, in co-operation with different associations of all communities, to enlighten the public as to the movements of the Second World War by giving lectures in different localities of Bombay and Suburbs in different languages from time to time. The "Nucleus" that has been formed is non-political and non-communal

SOUTH INDIAN ASSOCIATION, BOMBAY

Matunga (C.R.), Bombay 19

The objects of the Association are to promote the welfare of South Indians in Bombay or its suburbs without distinction of caste or creed.

SOUTH INDIAN CO-OPERATIVE CONSUMERS' SOCIETY, LTD.

'Co-operative House', Telang Road, Matunga, Bombay 19.

President.—S. Nagasundaram, **Chairman.** C. N. Narayanan; **Hon. Secretary.** K. S. Krishnan.

Board of Directors.—A. G. Pisharodi, Satish Bharadwaja, K. S. Ram Narayan, R. Vaidyanathan

Committee Control.—N. Vaidyanathan, T. R. Krishnan, V. Srinivasan, K. V. Raman, V. Krishnaswamy

Branch No. 1. Sri Krishna Nivas, Matunga (W.R.), C. S. Subramanian (**Chairman**)

Branch No. 2. Motashaw Building, Khar (W.R.), K. V. Vaidyanathan (**Chairman**)

Branch No. 3. Bharat Kunj, Vile Parle (East) (W.R.), M. R. Rangaswami (**Chairman**).

TAHERI SCHOLARSHIP SOCIETY

Mohamedli Baug, 21, Sarang Street, Bombay 3.

The Society is being run by contributions from His Holiness and members of the Dawoodi Bohra community. The aims and objects of the Society are to award scholarships to Dawoodi Bohra students of both sexes taking education in schools and colleges; to hold elocation competition every year among Dawoodi Bohra college and school students with a view to developing their power of speech; to conduct essay competition every year among Dawoodi Bohra students of both sexes, and to encourage Dawoodi Bohra students making research in any branch of knowledge

Hon. Secretaries.—A. A. Pathania, B.A.; V. A. K. Falzullabhai.

TELUGU SEVA SANGH

Vithal Sayana Bldg., Lohar Street, Bombay 2.

The Sangh was established in 1939 with the object of working for the promotion of literacy and amelioration of the social and economic conditions of the Telugu people living in the State of Bombay. **Foundation Members.**—S. L. Sliam, N. C. Narshuha Acharya and B. Hanuman Rau.

TEXTILE ASSOCIATION (INDIA)

Ganesh Bhuvan, Suparibaug Road, Parel, Bombay 12.

The Association is a central body of supervisory staff in textile mills all over India.

Membership of the Association stands at about 1,500 covering members from all parts of India. The usual activities of the Association are (1) publication of a quarterly journal the *Textile Digest*; (2) Holding of monthly socials and public lectures for discussions on technical subjects; (3) Conducting a library and reading room; (4) Conducting an employment bureau for helping to find suitable posts for technicians; (5) Arranging visits to mills and factories; (6) Organising All-India textile conferences, annually.

The Association also awards the Associateship—A.T.A.—and fellowship—F.T.A.—of the Textile Association (India) to qualifying technicians.

THE TIMES OF INDIA CO-OPERATIVE STORES LIMITED

Times Building, Hornby Road, Bombay 1

Objects—To conduct a general stores, to sell to its members and other consumers all articles of consumption

To conduct or manage medical and various other ameliorative measures for the general well-being of the members

President—J C McNab

Chairman—J C Pinto

Jt. Hon.—P P Shukla

Secretaries—Michael Vaz

Committee Members—C B Shaw B N Shetty K V Patkar D K Madye, M F Kavina N R Dighe

Control Committee—B V Chitnis, V R Chandran Abdul Husein Zalmulabidin

THE TIMES OF INDIA EMPLOYEES' CO-OPERATIVE CREDIT SOCIETY, LIMITED

This Society was established in 1936 for the benefit of the employees of, and under the patronage of, Messrs Bennett, Coleman & Co. Ltd., Proprietors of *The Times of India* and other allied publications

The objects of the Society are—

(a) To encourage thrift and co-operation among the staff, (b) to enable its members to obtain loans on reasonable terms, and (c) to prevent indebtedness among members by lending money from funds at interest to the members of the Society and to other Co-operative Societies approved by the Registrar

President—R M Bidskar

Vice-President—R V R Iltao

Hon. Secretary—M B Deshpande M Com

Hon. Treasurer—C I Desai B Com

Committee Members—J C Pinto Jacob Lopes S S Roge B S Patkar, J C McNab M F Brown J K Banaji I Corrett, N N Shinde

THEOSOPHY COMPANY (INDIA), LIMITED

51 Mahatma Gandhi Road, Bombay 1

The objects for which the Company is established are—

To promote, inculcate and propagate the doctrines of Theosophy, and to do all things conducive to the advancement of Theosophy, e.g., to hold meetings and classes, to print, publish, edit and circulate books and magazines, and to accept any funds for the purposes of the Company, and to hold and apply the same according to the character thereof for the purposes of the Company

Hon. Secretary—N A Subramaniam

UNITED KINGDOM CITIZENS' ASSOCIATION (BOMBAY BRANCH)

32, Nicol Road, Billard Estate, Bombay 1

Objects—To promote the interests of U.K. citizens in India and to foster social intercourse between them and citizens of India

Chairman—E Parker **Hon. Secretary**—D J Marsh

VIDYADAINI SABHA

31, Raghunath Dadaji Street, Bombay 1

The Sabha was started in 1920 with the object of ameliorating the conditions of the Billava community educationally and socially. It conducts a free reading room and library and maintains a Seva Dal. It awards scholarships to the poor deserving students

President—K K Suvarna, **Vice-President**—S Mainda, **Secretary**—R A. Kotian, **Asst. Secretary**—S M Sanil, **Treasurer**—D V Karkera, S Anchan, **Librarian**—N I Bangera

Captain, Seva Dal—P T Kunder

VIKAS MANDAL

Mohan Building, next to Majestic Cinema, Girgaum Road, Bombay 4.

Aims and Objects—To improve the physical, intellectual, social and material status of the members of the society in general and those of the Mandal in particular and to inculcate in them spirit of co-operation, comradeship and sacrifice

WATTOOL-GRAM SEVASANGH SAHAKARI PATPEDHI, LIMITED

C/o B T Chavan Sonavala Bldg No 5, D Block, Tardeo, Bombay.

The objects of the Patpedhi are—(1) to encourage thrift and co-operation among the villagers, (2) to enable members to obtain loans on reasonable terms, (3) to enable members to save part of their income in a safe and convenient way, and (4) To prevent indebtedness among members, etc

WESTERN INDIA AUTOMOBILE ASSOCIATION

Lalji Narani Memorial Building, Churchgate Reclamation, Bombay 1.

BRANCH OFFICES—Ahmedabad, Lal Darwaja, Coronation Bldg., 7, Moledina Road Poona 1

The objects of the Association include the encouragement and development of motoring, improvement of road communications, free legal advice and defence facilities for touring, etc

Patron-in-Chief—Dr Rajendra Prasad President of India

President—D N Khandke B A J P

Vice Presidents—S N C Patuck P P Kapadia, F R I B A B A, B K J I

Secretary—Jehangir J K Patell, B A, A C A, R A, F C R A, F I O B.

Asst. Secretary—K G Subramanian

WESTERN INDIA FOOTBALL ASSOCIATION

Cooperage Football Ground, Bombay

The objects of the Association are to promote and administer football and other games and to assist in the development of athletics in all its branches

Patron—Shri G S Bajpai Governor of Bombay **President**—Khan Bahadur R I Munshi **Vice Presidents**—J C Maitra Gaman M Mehta **Hon. Secretary**—K Zinuddin J P **Hon. Treasurer**—Fali V Chitroy

WESTERN INDIA NATIONAL LIBERAL ASSOCIATION

107, Esplanade Road, Bombay 1

The object is to foster a spirit of broad minded liberalism based on principles of liberty, equality and fraternity, among the different classes and communities of the people

President—Sir Cowasji Jehangir, Bart, G B K **Vice Presidents**—Sir Yithal Chaudavarkar and D G Dalvi **Hon. Secretaries**—Messrs J R B Jeejeebhoy and A D Shroff, **Assistant Secretary**—V R Bhende

YARN MERCHANTS' ASSOCIATION, LTD.

111, Chawla Bldg, Lambakanti, Bombay 3

Objects—To promote and protect the interests of manufacturers, distributors and merchants carrying on business of yarn in Bombay and elsewhere in India, to regulate their methods of business, to establish just and equitable principles in the trade and maintain uniformity in the rules, regulations and usages of the trade to provide forms of contracts, fix market rates for fixed delivery contracts, arbitrate between members to acquire, preserve and disseminate useful information connected with the trade, fix or adopt standards of classification of yarn, and in general, to control, promote and regulate the yarn trade

The Association was appointed in 1945 as the nominee of the Government of Bombay for the distribution of yarn, in Bombay State

OFFICE-BEARERS—**President**—M R Bharucha **Vice-President**—Nanakchand Devdas Khanna, **Treasurer**—Ratilal Kuberdas Patel, **Secretary**—D M Barodia B A, I L B

YOUNG MEN'S HINDU ASSOCIATION

Vithalbhai Patel Road, Bombay 4.

This Association was founded in 1910 and endeavours for the social, moral, educational and cultural advancement of the Hindus. The membership is open to all Hindus which include Jains, Buddhists, Lingayats, Brahmins, Gurkhas and Arya Samajists, Aboriginal Classes, Harijans, etc

OFFICE BEARERS—**President**—Mangaldas M Pakvasa, **Vice-Presidents**—K M Kabbar and Paramanand Sugnomal, **Chairman**—S L Shyam, **Jt. Hon. Secretaries**—Manubhai K Bhimani, Aniruddha G Rele and K M Amrute; **Jt. Hon. Treasurers**—Dinubhai L. Bhate, G D A, B A and C. E. Mahimkar

ZOROASTRIAN ASSOCIATION

16, Elphinstone Circle, Bombay 1.

Formed to safeguard and improve interests of Zoroastrian community in matters social, educational and economic. Its principal activities are : giving scholarships to students ; conducting Shorthand and Typewriting classes and female work-classes ; advancing loans for petty business ; running cheap-price stores ; and to take measures conducive to community's well-being.

President.—Sir Cowasjee Jehangir, Kt., K.O.I.E., G.B.E., O.C.I.

Hon. Secretary.—Lt.-Col. Rustom M. Kharegat, I.M.S. (Retd.), J.P.

ZOROASTRIAN ASSOCIATION CO-OPERATED STORES

16, Elphinstone Circle, Bombay 1.

Sales Depots :—(1) 2B, Dr. Jehangir Daji Street, Chikalwadi, Tardeo, Bombay 7. (2) Sethna's Chawl, 558, Chitra Bazar, Dhobi Talao, Bombay 2.

It is a semi-charitable institution conducted by the Zoroastrian Association of Bombay. It is worked on Sundays only from 9 a.m. to 12 noon by volunteers.

ZOROASTRIAN BROTHERHOOD

C/o Jehanbax Bomanshaw Vatcha, Tafti Building, South Frere Bridge, Grant Road, Bombay 7.

The objects are : (a) to strengthen the ties of friendship and unity and promote affection and brotherly feeling ; (b) to perform Jashan

on the third day (Boj Ardibeasht) of every Parsi month ; (c) to hold gatherings for public lectures, as are purely religious and tending to promote faith in the Zoroastrian religion ; (d) to invite and publish pamphlets, books, essays, etc. ; (e) to discuss in a friendly spirit Zoroastrian religious and social questions, and to carry on such other propaganda as would promote the welfare of the community and (f) to encourage Zoroastrian authors and publishers of books that are in consonance with the objects of the Brotherhood.

President.—Dr. Dadiba N. Saher, L.M. & S., J.P. ; *Hon. Secretary.*—Jehanbax Bomanshaw Vatcha ; *Hon. Treasurer.*—Tehmurasp B. Chinoy.

ZOROASTRIAN PHYSICAL CULTURE AND HEALTH LEAGUE

Central Bank Building (Dean Lane Entrance), Bombay 1.

1. *Objects* :—To conserve the racial vitality and characteristics of the Zoroastrian community ; to promote on scientific lines its physical welfare, development and efficiency and its culture and character ; and to prevent illness, disease, and premature mortality.

2. To disseminate knowledge relating to the maintenance of health, the prevention of disease, and the theory, principles and practice of scientific physical education and culture of open air sports and games and of military training suited to different ages.

CLUBS IN BOMBAY

AGA KHAN GYMKHANA & INDUSTRIAL HOME

Adenwala Mansion, Chowatty Sea Face.

The Club was established on 1st February 1939 under the patronage of His Highness the Aga Khan.

The aims and objects of the Gymkhana are to provide a central place for the Ismail Khojas to meet during leisure hours to take part in indoor and outdoor games and to increase unity and feelings of cordiality amongst the various classes of the Ismail Community. It runs an Industrial Home for poor Ismailis with a view to providing them training in Cottage Industries, securing employment or helping them to set up in independent business.

BANDRA GYMKHANA

Perry Road, Bandra.

Sports :—Tennis, Badminton, Cricket, Billiards, Table Tennis.

Members : (a) Ordinary : Entrance Rs. 10 ; Deposit Rs. 10 ; Monthly Rs. 2. (b) Associate : Entrance Rs. 20 ; Deposit Rs. 20 ; Monthly Rs. 3.

GAMES FEES :—Tennis Rs. 60 per year for Gents ; Rs. 40 per year for Ladies. Badminton Rs. 6 per year.

MONTHLY WHIST DRIVE AND DANCE : First Sunday of each month from 6 p.m. to 10-30 p.m.

Trustees :—Leo Rodrigues, Dr. Cecil J. D'Monte, J. S. Pereira.

President :—Leo Rodrigues.

Honorary General Secretary :—J. S. Pereira

BOMBAY CLUB

Junction of Marine Drive and B. Road.

President : Sir Joseph Kay, K.B.E. ; **Vice-President** :—A. P. Darlow ; **Trustees** : H. C. MacColl, J. R. C. Taylor ; **Committee** : A. E. Blair, E. D. Sheppard, A. Kirkwood Brown, John Bryson, H. J. Miller, John Symon ; **Hon. Secretary** : H. T. Coultas.

BOMBAY FLYING CLUB, LTD.

Juhu Aerodrome, Santa Cruz, Bombay.

President : R. E. M. Patel ; **Vice-President** : J. N. Guzder ; **Hon. Secretary** : M. F. Mayji ; **Hon. Treasurer** : K. S. Sethna ; **Representatives of Government** : Santok Singh, Capt. M. J. B. Manekji, Godse ; **Members of the Committee** : F. Mascarenhas, P. M. D. Thackeray, P. D. Sidhwa, P. A. Chandranti, R. S. Cambata, N. K. Himji ; **Asst. Secretary** : A. C. Italia ; **Ag. Chief Pilot Instructor** : R. H. Captain ; **Pilot Instructors** : C. W. Sequelra, M. M. Lall ; **Chief Ground Engineer** : G. B. Bhikde ; **Asst. Ground Engineers** : A. L. Fernandes, S. B. Dravid, J. B. Doctor.

BOMBAY GYMKHANA, LTD.

Esplanade Road.

President :—M. J. Dickins.

This Club was established on the 19th of June 1875. **Sports** :—Cricket, Football, Golf, Rowing, Lawn Tennis, Badminton, Hockey, Swimming, and Squash Rackets. Entrance fee Rs. 150. Monthly Subscription Rs. 16. Non-residents, on being duly proposed and seconded, can become temporary members.

Hon. Secretary and Treasurer :—L. R. Bury.

BOMBAY MUNICIPAL SPORTS CLUB

Next to Municipal Head Offices, Crutchebank Road, Bombay 1.

MAIN ACTIVITIES :—The Club gives all the amenities of indoor as well as out-door games to its members.

President :—P. R. Nayak, I.C.S., Municipal Commissioner.

Vice-Presidents :—N. V. Modak, Special Engineer, Bombay Municipal Corporation ; J. K. Daruvala, Dy. Municipal Commissioner.

Chairman, Managing Committee :—T. V. Doraiswamy, Chief Accountant, Bombay Municipal Corporation.

Hon. General Secretary :—D. M. Fernandez

BOMBAY PRESIDENCY GOLF CLUB, LTD.

Chembur.

The Club founded in 1927 at Sewri moved to its present site in 1940. The Course is one of 18 holes situated in pleasant surroundings 11 miles from the G.P.O. with good road approach.

Particulars for membership can be had from the Hon. Secretary on application. Visitors resident beyond the Island of Bombay may be allowed to play on payment of Green fees.

BOMBAY PRESIDENCY RADIO CLUB, LTD.

157, Arthur Bunder Road, Colaba, Bombay.

A Cosmopolitan Social Club with all amenities, situated on a fine site by the sea. Total membership about 2,000.

Entrance Fee Rs. 1,000.

Patron :—The Governor of Bombay

President : V. L. Parmar ; **Vice-President** :—H. S. Doctor ; **Jt. Hon. Secretaries** :—K. G. Shroff, H. H. Ismail ; **Jt. Hon. Treasurers** :—Bhoglal C. Shah, G. V. Dayal.

BRITISH INDIA MARINE SERVICE CLUB

Hornby Road, Bombay.

Entrance fee Rs. 20 for Commanders and Officers of the B.I.S.N. Coy's Service. Monthly Subscription Rs. 7. **President** :—A. Kirkwood Brown ; **Hon. Secretary** :—W. R. Smith ; **Joint Hon. Treasurers** :—W. R. Smith, J. Sloan ; **Superintendent** :—K. G. Joshi.

ADDRESS :—Kodak House, Post Box No. 29, Fort, Bombay 1.

BURMA-SHELL SPORTS CLUB

Burmah-Shell House, Ballard Estate, Bombay.

MAIN ACTIVITIES : Football, Hockey, Cricket, Badminton, Tennis and also Indoor Games such as Cards, Catrom, Table Tennis, Bagatelle, etc.

Vice-President : P. C. R. Coates

Hon. Genl. Secretary :—V. V. Pandit

Hon. Treasurer :—K. M. Buch.

CATHOLIC GYMKHANA

Kennedy Sea Face, Marine Drive, Bombay.

The objects of the Gymkhana are to furnish facilities for sports and other recreation chiefly to members of the Catholic Community and also to Christians of other denominations. Government have granted the lease of a plot of ground (about 1,500 sq. yards) on which a pavilion has been erected. Tennis, Hockey, Cricket, Billiards, Badminton, Swimming and other games are available to members. The Club also provides social amenities to about 900 members and their families.

Trustees :—Dr. Jos. Alban de Souza, B.A., L.M.A.S., M.L.C. ; Leo Rodrigues, B.A., LL.B., J.P. ; M. S. Noronha, B.A., LL.B., J.P.

President : C. Sales de Andrade ; **Vice-President** : Fred J. D'Souza ; **Hon. Gen. Secretary** : J. M. Pinto ; **Hon. Asst. Gen. Secretary** : J. Furtado ; **Hon. Treasurer** : J. C. Silveira

CENTRAL RAILWAY MECHANIC'S INSTITUTE

Vincent Road, Patel, Bombay 12

Nature of the Body : Social

President : J. W. E. Gurr.

Secretary : S. L. Pottle

Treasurer :—M. J. D'Cruz.

CHESS CLUB OF INDIA

34, Rampart Row, Bombay 1

Nature of the Club : Sports

President : Lt. Gen. His Highness Sir Jiwajirao Semdia, the Raj Pramukh of Madhya Bharat.

Chairman :—J. G. Bodhe.

Hon. Secretary :—V. V. Vad.

Treasurer :—D. P. Ratnagar.

COLABA SAILING CLUB

C/o Royal Bombay Yacht Club, Apollo Bunder, Bombay 1.

Commodore : A. P. Hasler ; **Vice-Commodore** :—P. Deeth ; **Rear Commodore** :—Dr. G. Foges ; **Hon. Treasurer** :—K. K. Minocher

Honji ; **Hon. Secretary** :—V. Grenfell.

OBJECTS :—To encourage yachting, motor boating and amateur boat building on the West Coast of India. Entrance fee Rs. 30. Annual Subscription Rs. 20. Life membership Rs. 200.

CRICKET CLUB OF INDIA

Headquarters :—Brabourne Stadium, Bombay.

A Cosmopolitan Sports Club having one of the finest and largest Cricket Stadiums in the world. It is equipped with Tennis courts, Indoor Badminton courts, Squash courts, and a Swimming Pool ; also has Billiard Tables, Card Rooms, Table Tennis and Dancing for Members and Guests. Residential chambers for visiting members.

Hon. Secretary :—Homl Contractor.

Asst. Secretary :—Major S. Bhattacharji.

ELPHINSTONE COLLEGE AND INSTITUTE OF SCIENCE GYMKHANA

Elphinstone College, Mahatma Gandhi Road, Bombay 1.

ACTIVITIES.—The students of the Elphinstone College and Institute of Science and members of staff are members of the Gymkhana. Membership is open to past students also. Provides facilities for games and athletic sports, runs a reading room and publishes 2 journals annually.

President.—N. L. Ahmad (Principal); *Vice-President.*—Dr. F. R. Bharucha; *Hon. Gen. Secretary.*—Prof. D. C. Motwani; *Hon. Treasurer.*—Prof. K. N. Wani.

ISLAM CLUB

Chowpatty, Bombay.

Entrance fee Rs. 100, annual subscription Rs. 60, monthly subscription Rs. 6.

President.—Sir Rahimtulla M. Chinoi, Kt., J.P.

Vice-Presidents.—Dr. Taherally M. Kaji, M.A., LL.D., Bar-at-Law; Mahomed Ali Chaiwala, B.A., LL.B., Solicitor; K. B. Mahomedali Allabux, Ramjanally Ebrahim, Mahomed Ali Z. Ahiraza.

Honorary Secretaries.—Ebrahim Haji Habib; Fidaaly Mohamedaly Potla, J.P.

Honorary Treasurer.—Esmail A. K. Punjoo.

ISLAM GYMKHANA

Kennedy Sea Face, Bombay.

President.—A. A. Jasdewala.

Vice-President.—S. M. Khatkhatai.

Auditors.—H. M. Contractor & Co.

Honorary Treasurer.—Sayed Abdul Huq Kadri.

Jt. Hon. Secretaries.—E. T. Kanthawala and R. Duia.

The Gymkhana was established in 1892. Subscription for Life Membership Rs. 750; Entrance fee Rs. 50; Ordinary Membership quarterly subscription Rs. 12; Patron Rs. 1,000.

KSHATRIYA UNION CLUB

Vanmah Hall, 70-D, Chhambaldas Road, Dadar, Bombay 28.

OBJECTS AND ACTIVITIES.—Promotion of social reform and union amongst the members of the Pathare Kshatriya Community, furtherance of highest education and relief of distress, encouragement to literary and sporting activities and Arts and Crafts.

President.—Kesarinath Baburao Bhatte; *Vice-President.*—Dattatraya Janardan Pathare, B.A., LL.B.; *Gen. Secretary.*—Anand Wasudev Pathate, M.A.; *Treasurer.*—Khanderao Sadashiv Sahani. *Curator.*—Durgadas Balaram Paralkar, C.A.

MATUNGA GYMKHANA

Lakhami Nappu Road, Matunga, Bombay 19.

OBJECTS.—To create and promote a taste for physical culture and sports.

President.—Seth Velji Lakhami Nappu; *Vice-Presidents.*—Bhaglal Shah and R. S. Patankar; *Hon. Secretaries.*—G. M. Divekar and M. C. Mehta; *Hon. Treasurers.*—M. D. Lotlikar and N. V. Nathan.

Departmental Secretaries.—M. R. Gurjar (Tennis); T. K. Sarangan (Shuttle Badminton); V. V. Joshi (Cricket); S. N. Kunta (Table Tennis); S. D. Manohar (Gymnasium); S. Subbiah (Card).

NEWCORD SPORTS CLUB

16, Vir Nariman Street, Fort, Bombay.

A social and recreational institution for the employees of "The New Zealand" and "The Concord of India" Insurance Companies and their allied or subsidiary companies at Bombay. Plays cricket, table-tennis, carrom, etc. and maintains a circulating library.

President.—S. W. J. Hoit; *Vice-President.*—S. S. Balwally; *Jt. Hon. Secretaries.*—N. H. Chawalla, S. D'Lima; *Hon. Treasurer.*—D. H. Karani; *Committee Members.*—E. D. Anklesaria, R. R. Menon, R. B. Marolia, A. V. Remedios, Miss E. Sweeney.

ORIENT CLUB

Chowpatty, Bombay.

OBJECTS.—This Club was opened on the 1st May 1900, and owes its origin to a desire to provide a first-class Club, to which persons of culture and position could be admitted irrespective of race, creed, or politics, on terms of social equality.

Trustees.—Sir Cowasjee Jehangir, Bart., M. M. Amersey and J. G. Bhagat.

COMMITTEE OF MANAGEMENT.—Mr. Justice S. R. Tendolkar (*President*); J. G. Bhagat and R. Mathalone (*Joint Hon. Secretaries*); L. S. Dabholkar (*Hon. Treasurer*); Sir Cowasjee Jehangir, Bart., C.B.E., K.C.I.E., N. V. Purshotam, F. D. Madon, Y. P. Pandit, Dr. M. M. Pandya, F.R.C.S., M. H. Patel, Mr. Justice G. S. Rajadhyaksha, J. V. Saraiya, Dipchand B. Shah, V. S. Velinker, A. R. D. Wadia.

PALI HILL GYMKHANA

Pali Hill, Bandra, Bombay 20

MAIN ACTIVITIES.—Golf, Tennis and social activities. Entrance fee Rs. 50, monthly subscription Rs. 7

President.—J. S. R. Spelman

Jt. Hon. Secretaries.—P. G. Kendall, A. R. Leyden.

P. J. HINDU GYMKHANA

Netaji Subhas Road (Marine Drive), Bombay 2.

Patron: Fee Rs. 2,000; Life Membership Fee Rs. 1,500; Admission Fee Rs. 25; Ordinary Membership Rs. 3 per month.

Games: Cricket, Tennis, Billiards, Badminton, Table Tennis, Carrom and Cards.

membership over 3,000.

PARSEE GYMKHANA

Marine Lines, Bombay.

President.—Sir Cowasji Jehangir, Bart.; *Chairman.*—M. P. Dadachanji; *Jt. Hon. Secretaries.*—Dinshaw S. Tata and N. H. Colah; *Committee.*—P. F. Pavri, H. J. Engineer, H. M. Vakeel; H. N. Kanga; M. J. Vakil; R. K. Adenwala; E. B. Mistry; N. F. Billa; B. D. Dhalla (*Hon. Treasurer*).

PRINCESS VICTORIA MARY GYMKHANA AND GYMNASIUM

Queen's Road, Cooperage, Bombay.

MANAGING COMMITTEE.—*President.*—Srinath Bapal. *Vice-Presidents.*—Mrs. Shuffi Tyagi; Lady Cowasji Jehangir; Mrs. I. David and Mrs. M. V. Desai. *Hon. Treasurer.*—Mrs. J. R. B. Jejeebhoy. *Joint Honorary Secretaries.*—Miss Dhun Desai and Mrs. Avabi M. Mehta. *Members.*—Lady Byramjee Jejeebhoy, Lady Duggan, Mrs. Jalundhwala, Mrs. Abdulvab Maskati, Lady Nowroji Saklatvala; Mrs. Hanied, Mrs. Jal, Mrs. F. A. Vakil; Mrs. Gourgy; Mrs. Sophie Judah; Mrs. D. S. Lawyer; Mrs. M. D. Dubash; Mrs. H. S. Billimoria; Mrs. R. N. Kohiyar; Miss Bastavala; Miss Luxmibai Thakersey.

RAMNARAIN RUIA COLLEGE GYMKHANA

Matunga, Bombay 19.

Activities. Cricket, football, volley-ball, tennis, etc.

President.—Dr. N. N. Murti

RIPON CLUB

Mahatma Gandhi Road, Bombay.

Members elected by ballot. Entrance Fee Rs. 300; Annual Subscription Rs. 100. Present membership 400.

President.—Sir Cowasji Jehangir, Bart., C.B.E., K.C.I.E., O.B.E.

Vice-Presidents.—Sir Jamshed B. Kanga, Kt.; Sir Jamsetjee Jejeebhoy, Bart.; Sir Homi Mody, K.B.E.; Sir Shapoorji Billimoria; Hon. Mr. Justice N. H. C. Coysjee.

Hon. Treasurers.—H. S. Jassawala; D. C. Gazder. *Hon. Secretaries.*—M. J. Antia and N. B. Davar.

ROTARY CLUB OF BOMBAY

Green's Hotel, Bombay.

The object of Rotary is to encourage and foster the ideal of service as a basis of worthy enterprise and, in particular, to encourage and foster: (1) The development of acquaintance as an opportunity for service; (2) High ethical standards in business and professions; the recognition of the worthiness of all useful occupations and the dignifying by each Rotarian of his occupation as an opportunity to serve society; (3) The application of the Ideal of Service by every Rotarian to his personal business and community life; (4) The advancement of international understanding, goodwill, and peace through a world fellowship of business and professional men united in the Ideal of service.

President.—S. G. Nadkarni; *Secretary.*—S. M. Kini; *Treasurer.*—N. B. Karanjia.

ROYAL BOMBAY YACHT CLUB

Apollo Bunder, Bombay.

LIST OF OFFICERS AND MEMBERS OF COMMITTEES

President.—A. E. Blair, M.C., M.A., LL.B.; *Vice-President*.—*C. A. Cunciffe; *Commodore*.—D. Gordon; *Trustees*.—*L. F. H. Goodwin, O.B.E., E. D. Sheppard, J. C. Burns.

General Committee.—W. H. Adcock, *G. E. Corey, B. K. Denton, *A. B. Haseler, *F. V. Jakob, R. H. McCallum, C. W. Middleton, K. J. Quick, *S. Murray Scott, J. S. Thurman.

* Members of the House Committee.

Balloting Committee.—E. O. Austin, C. S. Barrett, G. H. Brown, D. S. Cowan, N. H. G. Grant, L. B. Green, J. V. Hanlon, A. L. Kerbridge, Capt. H. J. Miller, B.D., R.N.R., J. J. O'Shaughnessy, M. H. Phillips, A. Simpson, E. M. Smythe, F. H. G. Taylor, C.I.E.

Hon. Secretary.—K. J. Quick.

The Officers of the Club, the three Trustees and the ten Members of the General Committee are *ex-officio* Members of the Balloting Committee.

ROYAL WESTERN INDIA TURF CLUB, LTD.

Race Course, Mahalaxmi, Bombay.

ADDRESS.—1st November to 30th April—Bombay. 1st May to 31st October—Poona.

ENTRANCE.—Club Member, Rs. 750; Stand Member, Rs. 250; Annual Subscription, Rs. 25; Lady Stand Member, Rs. 15.

Secretary.—F. K. Vakil. *Assistant Secretary*.—P. R. Mehta, B.A., LL.B., Solicitor. *Handicapper*.—M. Dhalla. *Stipendiary Stewards*.—S. R. S. Captain, M.R.C.V.S., N. S. Chhachhi, N. K. Pudumjee and Tuleidas M. Goculdas. *Totalizer General Manager*.—E. Newnes.

SARASWATI VOLUNTEER AND ATHLETIC LEAGUE

16, Talmakiwadi, Tardeo, Bombay 7.

OBJECT.—To encourage physical culture and discipline by imparting knowledge of Indian and foreign methods of physical education.

President.—Dr. B. P. Divgi, M.B.B.S., M.L.A.

Vice-President.—M. R. Shirur.

Chairman.—D. K. Halseker.

Hon. Secretary.—Vasant N. Kalle.

Joint Hon. Secretary.—S. S. Verdoor.

Hon. Treasurer.—Mohan V. Nadkarud.

SHREE KRISHNA HINDU MERCHANTS' CLUB

Belle Vue, Chowpatty, Bombay.

OBJECT.—Promotion of social and commercial intercourse. Donation Rs. 500. Entrance fee Rs. 501. Annual subscription Rs. 100. Reserve Fund about Rs. 90,000.

PATRON.—Rattanchand Tullockchand Master.

President.—Dwarkanadas Jaminadas; *Vice-President*.—Maneklal Chunnilal Shah, J.P.; *Hon. Secretaries*.—Hiralal Bhaidas Shroff, Manilal H. Patel, Anandlal M. Mehta (Sole), J.P.; *Hon. Treasurers*.—Gopaldas Poonjabhai, Ratilal B. Desai.

ST. XAVIER'S COLLEGE GYMKHANA

St. Xavier's College Gymkhana Ground, Parel, Bombay 12.

Fostering Sport in North Bombay. Ground is engaged throughout the year with Hockey and Football matches being played daily, while Sports Meets are held on week ends. Full equipment for Sports together with well marked tracks.

Director of Sports.—Rev. Fr. J. Fell, S.J.

In-Charge, Ground and Buildings.—Brother G. Noguera, S.J.

Manager.—O. Ferreira.

THE TIMES OF INDIA SPORTS CLUB

Times of India Building, Hornby Road, Bombay.

A social and sporting club for the employees of Bennett, Coleman and Co., Ltd.

Provides facilities for Billiards, Table Tennis and Dancing. Runs Football, Hockey, Cricket and Table Tennis teams, has sections for athletics, cycling and boxing, Indian Games and a circulating library.

President.—J. C. Jain.

Chairman and Vice-President.—Pyarelal Sah.

Hon. Secretary.—K. A. Verneem.

Hon. Treasurer.—D. D. Bramhandkar.

UNITED SERVICES CLUB

Colaba, Bombay.

(INSTITUTED IN 1928).

President.—Major-General U.C. Dubey.

Vice-President.—Brigadier K. K. Varma.

Members.—Commodore R. M. T. Taylor, R.N.; Lt.-Col. N. S. Bhagat; Mrs. J. Kimber; K. M. Nanjappa; F. W. Courtney; Major E. Dautre; Commander H. R. Claudius, I.N.; Capt. J. K. Dhaiyram; R. C. Bainbridge.

Hon. Secretary.—Lt.-Col. V. Bhagwan Singh.

There are four hard Tennis Courts, one Squash Court and one Badminton Court. The Club Swimming Pool is situated on the sea wall, a few hundred yards from the Club. The Changing Rooms at the Pool are open at convenient hours daily between October and May. The sailing at Pilot Bunder, Colaba, is open to all members who can take boats on hire during sailing season.

The Club premises are situated at the southernmost point of Bombay Island. They consist of Committee Room, Reading Room, Library, Bar, Lawns and Changing Rooms.

WELLINGTON CRICKET CLUB

Brabourne Stadium, Fort, Bombay 1.

(Est'd. 1932)

Proprietor and Hon. Secretary.—Darabshaw Hormusji Talati, c/o The Cricket Club of India Ltd., Brabourne Stadium, Fort, Bombay 1.

Entrance fee Rs. 5. Monthly subscription Re. 1.

The Club is open to any Community domiciled in India. Daily net practice on Cross Maidan, Plot No. 19. The Club is affiliated with the Bombay Cricket Association. It takes part in the Zoroastrian Jubilee and Framroze Pastakia Cricket Tournaments and also Padmakar Talim Shield Tournament every year. Cricket Fixtures are being fixed annually from June to January with the various Gymkhanas, Colleges and Cricket Clubs in Bombay, Poona, Nasik, Deolali, Lonavla, etc.

WILLINGDON CATHOLIC GYMKHANA

Santa Cruz.

The Club is open to Catholic as well as non-Catholic residents of Santa Cruz and the neighbouring suburbs.

Chairman and Trustee.—J. A. Colaco; *Trustee*.—Baldwin Ribeiro; *Hon. Treasurer and Trustee*.—E. Mascarenhas; *Hon. General Secretary*.—Dr. J. Mathias; *Hon. Joint Secretary*.—M. Lobo.

WILLINGDON SPORTS CLUB

Bombay 11.

(Founded in 1917 by the late Lord Willingdon when Governor of Bombay).

President.—Girja Shankar Bajpai, Governor of Bombay.

Vice-President.—Mr. Justice N. H. C. Coynjee.

Trustees.—Rustam S. Powwala, Sir Jamssetjee Jejeebhoy, Bart., Puran Chaud Malhotra.

Secretary.—S. G. Pick, O.B.E., M.C.

WODEHOUSE GYMKHANA LTD.

182, Queen's Road, Bombay 1.

ACTIVITIES.—Billiards, Table Tennis, Tennis, Bowls. Membership fee Rs. 15 per mensem.

President.—W. G. Wilson; *Vice-President*.—R. Owen; *Hon. Treasurer*.—L. Moss; *Secretary-Manager*.—A. J. D'Souza.

SOME OTHER CLUBS

List of clubs about which details had not been received at the time of going to press:

BHATIA SPORTS CLUB, BOMBAY.

DADAR PARSEE COLONY GYMKHANA, BOMBAY.

KHAR GYMKHANA, KHAR, BOMBAY.

KHATAU SPORTS CLUB, BOMBAY.

MERRY MAKERS' CLUB, BOMBAY.

RUIA SPORTS CLUB, BOMBAY.

SHIVAJI PARK GYMKHANA, BOMBAY.

BOMBAY UNIVERSITY CLUB, BOMBAY.

V.J.T. INSTITUTE CLUB, BOMBAY.

W.I.A.A. CLUB HOUSE, BOMBAY

SWIMMING POOLS AND BATHS IN BOMBAY

BACK BAY BATHS CO., LTD.

The Back Bay Swimming Baths (Cosmopolitan) are situated on the Back Bay Reclamation close to Cooperage Band Stand. Dimensions of the Pool:—100 ft. x 35 ft.

Daily Charges	.. ..	Rs. 1-0-0
Monthly Charges	.. ..	7-0-0
Yearly Charges	.. ..	50-0-0

The Back Bay Baths Co., Ltd. intend to open up more swimming Pools in the various parts of the City and a new Ice Skating Club; an Air-conditioned Stadium will be constructed very soon; and a new type of indoor sport will be inaugurated for the sports-loving public of Bombay.

BREACH CANDY SWIMMING BATH TRUST

66, Bhulabhai Desai Road, Bombay.

Dimensions of Pool: The main pool is irregular in shape covering an area of approximately 3,500 sq. yards containing about 1½ million gallons of sea water.

Admission: Restricted to the European community on daily and Season ticket rates.

Chairman.—E. E. Cockram, O.B.E.

Honorary Secretary.—J. T. Kellock.

Honorary Treasurer.—F. F. Stewart.

CRICKET CLUB OF INDIA SWIMMING POOL

The Dimensions of the Pool are 75 feet by 30 feet.

The charges per month are Rs. 6 for members and Rs. 4 for members' children.

Hon. Secretary.—R. C. Nazir.

GOLWALLA'S VICTORIA SWIMMING BATH

Back Bay, Fort, Bombay.

This has been a Cosmopolitan Swimming Pool since 1901, and over 100,000 people of both sexes have learnt Swimming, Diving and Water Polo.

The Baths will be remodelled in the near future and a modern Olympic Swimming Pool, Restaurant, Boat Club and other amenities will be given to the public of Bombay.

Appreciating the vital need of a cosmopolitan institution on the same lines, however, the late Golwalla Bros. acquired a site on Back Bay Shore and on March 21, 1900, Sir Lawrence Jenkins, the then Chief Justice, laid the foundation stone of what is known, as the Golwalla Bros' Victoria Swimming Bath.

In addition to other aquatic activities Messrs. Golwalla Bros. introduced Water Polo in Bombay in 1903, the first seen in India, and since then it has become a very popular feature in Bombay.

The Bath has also a most up-to-date Rowing and Boating Club for the benefit of all its members and a modern Restaurant.

The Bath is open to all communities of both sexes and special personal instruction in Swimming, Diving, Life Saving, Water Polo, Rowing, etc., is given by a staff of well qualified teachers.

MAFATLAL PARK SWIMMING POOL

Warden Road, Bombay.

Dimensions of the Pool: 60 ft. 6 in. long and 30 ft. 4 in. wide. The depth varies from 3 ft. at one end to 8 ft. 3 in. at the deepest point and it again reduces to 6 ft. 9 in. at the other end.

The swimming pool is meant for the use of the tenants of Mafatlal Park only, free of charge. However tenants can bring their own guests in which case they are charged at the rate of Re. 1 per guest, per day.

The Swimming Pool is managed by Messrs. Mafatlal Gajalbhai & Co., Ltd., Bombay, the proprietors of Mafatlal Park.

MAHATMA GANDHI MEMORIAL OLYMPIC SWIMMING POOL

Cadell Road, Mahim.

Largest fresh-water pool in India constructed as a memorial to Mahatma Gandhi. The pool can accommodate over 450 persons at a time. It satisfies all the conditions required for holding aquatic competitions on an olympic basis.

Dimension of the Pool: 165 ft. by 60 ft. with a recess for diving 60 ft. by 40 ft. Depth varying from 3 ft. shallow end to 16 ft. below the diving stage. Capacity 7½ lakhs of gallons.

Entrance fee: Re. 1; Monthly: Rs. 3; Quarterly: Rs. 8; Yearly: Rs. 30.

Director-in-Charge: K. F. Golwalla; *Asstt. Director-in-Charge:* A. K. Golwalla; *Hon. Secretary:* M. R. Merchant.

MINT SWIMMING POOL

India Government Mint, Bombay.

The Mint swimming pool is a private pool meant for the exclusive use of Mint Recreation Club members at no extra cost.

Dimensions of the Pool: Length—40'-0"; Breadth—15'-0"; Depth—Shallow end 4'-0", Deep end 9'-0".

President.—Major D. V. Deane, C.I.E., O.B.E., R.E. (Retd.).

Vice-President.—B. K. Bose, M.Sc., D.I.C., A.M.I.M.M.

PRANSUKHLAL MAFATLAL HINDU SWIMMING BATH AND BOAT CLUB TRUST

OFFICE: Netaji Subhas Road, Bombay 7.

The above Club owns two swimming pools (Gents' and Ladies') situated at Marine Drive with total strength of about 7,000 members, the area covered is about 1,200 sq. yards, and constructions cost about Rs. 6,25,000.

The Club is governed by a scheme approved by the High Court and managed by the Managing Committee consisting of six Trustees as ex-officio members in addition to fourteen elected members.

Hon. Secretary.—Manilal T. Bodaji.

Hon. Treasurer.—Jannadas D. Saurashtri.

WILLINGDON SPORTS CLUB SWIMMING POOL

Bombay 11.

(FOR MEMBERS ONLY).

Size of the Pool—60' x 30'.

Depth—at shallow end 3'-3".

.. below high diving board 9'.

.. at deep end 7'.

Capacity of Pool—80,000 gallons.

.. of Filtration Plant—7,000 gallons per hour.

Admission: Members and their guests only.

VAGJIBHAI SWIMMING POOL

Vile Parle.

This is a private pool. Charges are nominal especially for learners and that too only for three months.

There are two swimming pools of dimensions 40' by 30' and 40' by 25'. The former is 7' deep one side and 14' other side while the latter is 3' deep on one side and 6½' deep on the other side.

Proprietor: H. V. Bhatia.

RATIONING OFFICES IN BOMBAY

Controller of Rationing : Bank of India Building, Mahatma Gandhi Road, Fort. Tel. 32007, 32008, 32009, 32000.

Public Relations Officer : Bank of India Building, Mahatma Gandhi Road, Fort. Tel. 32007, 30372.

Index Section : Muzafarabad Hall, Proctor Road, Grant Road. Tel. 71589.

Permits Section : No. 11, Queen's Barracks, opp. Cooperage, Fort. Tel. 35745.

WARD OFFICES

A WARD (11-12, Queen's Barracks, Netaji Subhas Road (Marine Drive). Tel. 20079) : For Colaba; Fort; Bori Bunder; Esplanade.

B WARD (128, Jakaria Masjid Street. Tel. 71322) : For Mandvi; Chakla; Umerkhadi; Dongri.

Week days (except Monday) 9 A.M. to 10-30 A.M. skeleton work and 10-30 A.M. to 5-30 P.M. regular work.—Sunday 9 A.M. to 2 P.M.—Monday holiday.

C WARD (i. *Main Office* :—Ladwadi, Vithalbhai Patel Road. Tel. 72527; ii. *Sub-Office I* :—Keshav Baug, Princess Street. Tel. 30525; iii. *Sub-Office II* :—Bani Imami Street, Null Bazar. Tel. 42803) : For Khara Talao; Kumbharwada; Bhuleshwar; Market; Dhobi Talao; Fanaswadi.

Week days (except Monday) 9 A.M. to 10-30 A.M. skeleton work and 10-30 A.M. to 5-30 P.M. regular work.—Sunday 9 A.M. to 2 P.M.—Monday holiday.

D WARD (i. *Main Office* :—Laxmi Baug, Awantikabai Gokhale Road, Opera House; Tel. 20971; ii. *Sub-Office I* :—Anand Bhawan, Vithalbhai Patel Road. Tel. 30542; iii. *Sub-Office III* :—13, Hughes Road. Tel. 41414) : For Khetwadi Tardeo, Girgaum; Chowpatty; Walkeshwar; Mahalaxmi.

Working days and hours same as for C Ward.

E (EAST) WARD (Sawta Mali Hall, opp. Railway Station, Byculla. Tel. 40324) : For Mazgaon; Tarwadi; Nagpada; Byculla (East); Ghorupdeo.

Working days and hours same as for C Ward.

E (WEST) WARD (i. *Main Office* :—Salvation Army Building, Sankli Street Byculla. Tel. 44898; ii. *Sub-Office* :—Vithal Sayana Pavillon, 8th Lane, Kamathipura. Tel. 41838) : For Kamathipura; Byculla (West).

Working days and hours same as for C Ward.

F (SOUTH) WARD (i. *Main Office* :—Bhavsar Kshatriya Mahajan Wadi, Chamarbaug Road, Park. Tel. 61483; ii. *Sub-Office* :—Captain Building, King Edward Road, Sewree. Tel. 61141) : For Parel (North); Sewree; Lalbaug.

Working days and hours same as for C Ward.

F (NORTH) WARD (i. *Main Office* :—Napoo Hall, Matunga. Tel. 61039; ii. *Sub-Office* :—Labour Welfare Centre, Naugaum. Tel. 60448) : For Naugaum; Matunga; Sion.

Working days and hours same as for C Ward.

G (NORTH) WARD (i. *Main Office* :—C. K. P. Hall, Ram Maruti Road, Dadar. Tel. 61025; ii. *Sub-Office* :—Kermani Bldg, opp. Mahin Railway Station. Tel. 62946) : For Dadar; Mahin; Prabhadevi.

Working days and hours same as for C Ward.

G (SOUTH) WARD (Gopchar and Bhoyn Sanathan Hall, opp. Municipal Market, Worli. Tel. 40218) : For Worli; Chinchpokli; Love Grove; Lower Parel.

Working days and hours same as for C Ward.

BANDRA (i. *Main Office* :—Hill Road, Bandra. Tel. 89519; ii. *Branch Office I* :—Laxmi Nagar, 10th Road, Khar; iii. *Branch Office II* :—Juhu Municipal Office, Juhu; iv. *Sub-Office* :—1st Hasanabad Lane, Santa Cruz) : For Bandra; Khar; Santa Cruz; Juhu.

For Main Office, week days (except Monday) 9 A.M. to 10-30 A.M. skeleton work and 10-30 A.M. to 5-30 P.M. regular work.—Sunday 9 A.M. to 2 P.M.—Monday holiday.

For Branch Offices I and II, week days (except Monday) 10-30 A.M. to 5-30 P.M.—Sunday 9 A.M. to 2 P.M.—Monday holiday.

For Sub-Office, week days 9 A.M. to 10-30 A.M. skeleton work and 10-30 A.M. to 5-30 P.M. regular work.—Sunday 9 A.M. to 2 P.M.—Monday holiday.

ANDHERI (i. *Main Office* :—Kirtikar Bungalow, 13, Kurla Road, Andheri. Tel. 86350; ii. *Sub-Office* :—Vile-Parle Municipal Building, Vile-Parle. Tel. 86278; iii. *Branch Office I* :—Tukaram Pandu Building, Bazar Road, Versova; iv. *Branch Office II* :—Kuthanwala Bungalow, 60, Kurla-Marol Road, Marol) : For Vile-Parle; Andheri; Versova; Jogeshwari; Marol.

For Main and Sub-Offices, week days (except Monday) 9 A.M. to 10-30 A.M. skeleton work and 10-30 A.M. to 5-30 P.M. regular work.—Sunday 9 A.M. to 2 P.M.—Monday holiday.

For Branch Offices, 9 A.M. to 2 P.M.—Monday closed.

MALAD (i. *Main Office* :—Zakaria Bungalow, Malad. Tel. 84053; ii. *Sub-Office* :—103, Shanti Bhawan, Ghodbunder Road, Borivli. Tel. 84017; iii. *Branch Office I* :—Goregaon Gram Panchayat Office, near Goregaon Railway Station, Goregaon. Tel. 87207; iv. *Branch Office II* :—Notified Area Committee's Office, Ghodbunder Road, Kandivli) : For Malad; Goregaon; Borivli; Daktar; Kandivli.

For Main Office, week days (except Monday) 9 A.M. to 10-30 A.M. skeleton work and 10-30 A.M. to 5-30 P.M. regular work.—Sunday 9 A.M. to 2 P.M.—Monday holiday.

For Branch Office I, week days (except Monday) 10-15 A.M. to 5-15 P.M.—Monday closed.

For Branch Office II, week days 9 A.M. to 2 P.M.—Sunday 9 A.M. to 1 P.M.—Monday closed.

KURLA (i. *Main Office* :—Sane Villa, Pipe Road, near Station, Kurla. Tel. 87111; ii. *Sub-Office* :—Jariwala Building, Trombay Road, Chembur. Tel. 87183) : For Kurla; Chembur.

Week days (except Monday) 9 A.M. to 10-30 A.M. skeleton work and 10-30 A.M. to 5-30 P.M. regular work.—Sunday 9 A.M. to 2 P.M.—Monday holiday.

GHATKOPAR (i. *Main Office* :—Bhagwan Bhuvan, Mahatma Gandhi Road, Ghatkopar. Tel. 87125; ii. *Sub-Office* :—Bawa Pandumansing & Sons Building, Bombay Road, Mulund. Tel. 87007; iii. *Branch Office* :—Opp. Railway Station, Bhandup) : For Ghatkopar; Bhandup; Mulund.

For Main Office and Sub-Office the same working days and hours as for Kurla.

For Branch Office, week days (except Monday) 10-30 A.M. to 5-30 P.M.—Sunday 9 A.M. to 2 P.M.—Monday holiday.

CINEMAS IN BOMBAY

ALEXANDRA TALKIES, Bellasla Road, Byculla.
 ALFRED TALKIES, Grant Road Corner.
 AURORA CINEMA, King's Circle, Matunga.
 BANDRA TALKIES, Ghodbunder Road, Bandra.
 BHARAT CHITRA MANDIR, Kurla.
 BHARAT MATA CINEMA, Lal Bang, Parel
 BROADWAY TALKIES, Vincent Road, Dadar.
 CAPITOL CINEMA, Opposite Victoria Terminus.
 CENTRAL CINEMA, Charni Road and Girgaum Road Junction.
 CHITRA TALKIES, Vincent Road, Dadar.
 CITY LIGHT CINEMA, Lady Jamshejji Road, Mahim.
 DAULAT TALKIES, Falkland Road.
 DEEPAK TALKIES, De'Lisle Road.
 DIANA TALKIES, Tardeo Tram Terminus, Falkland Road low level.
 DURBY TALKIES, Nowrojee Hill Road.
 EDWARD TALKIES, Kalbadevi Road.
 EROS CINEMA, Junction to J. T. Road and Queen's Road, Churchgate.
 EXCELSIOR CINEMA, Ravelin Street, Fort.
 GARRISON TALKIES, R. C. Church, Colaba Barracks
 HIND MATA CINEMA, Govindji Keni Road, Naigaum.
 IMPERIAL CINEMA, Lamington Road, near the junction of Vithal-bhai Patel Road.
 JAI HIND TALKIES, near Byculla Goods Station, Parel.
 JAWAHAR TALKIES, Station Road, Kurla.
 KAMAL TALKIES, Golpitha, Sandhurst Road.
 KISMET CINEMA, Prabhadevi Naka, Cadell Road.
 KOHINOOR CINEMA, Ranade Road, Dadar.
 KRISHNA CINEMA, Junction of Tribhuvan Road and Charni Road.
 KUM KUM CINEMA, Haines Road, Worli Naka.
 LAMINGTON CINEMA, Lamington Road, near New Forum Road.
 LIBERTY CINEMA, New Marine Lines
 LIDO CINEMA, Juhu Road, Santa Cruz West.
 MAJESTIC CINEMA, Girgaum Road.
 METRO CINEMA, Mahatma Gandhi Road.
 MINERVA CINEMA, Lamington Road.
 NAAZ CINEMA, Lamington Road, Mangaldas Wadi.
 NATIONAL TALKIES, Kumbharwadi, Sandhurst Road
 NEPTUNE TALKIES, Opposite Bandra Railway Station, Turner Road, Bandra.

NEW EMPIRE CINEMA, Murzban Road, Fort.
 NEW MODEL TALKIES, Old Agra Road, Kurla.
 NEW TALKIES, Junction of Hill Road and Waterfield Road, near Bandra Post Office, Bombay 20.
 NISHAT TALKIES, Grant Road Corner.
 NOVELTY CINEMA, Grant Road, near Lamington Road Junction.
 PALACE TALKIES, Victoria Garden Road, Byculla.
 PARADISE TALKIES, Lady Jamshejji Road, Mahim.
 PLAZA CINEMA, N. C. Kelkar Road, foot of Tilak Bridge, Dadar.
 PRAKASH TALKIES, De'Lisle Road, near Apollo Mills.
 RADHESHAM TALKIES, Mahatma Gandhi Road, Ville Parle East.
 RADIO TALKIES, Palton Road.
 REGAT CINEMA, Opposite Museum, Causeway Road.
 REX TALKIES, Fort Street, Fort.
 REVOLI CINEMA, Lady Hardinge Road, Matunga (Western Rly.).
 ROOP TALKIES, Pandit Jawaharlal Nehru Road, near Santa Cruz Railway Station (East).
 ROSHAN TALKIES, Falkland Road.
 ROXY TALKIES, New Queen's Road, Churchgate.
 ROYAL OPERA HOUSE, Junction of New Queen's Road and Sardar Vallabhbhai Patel Road.
 ROYAL TALKIES, Grant Road.
 SHERIA TALKIES, Junction of Clarke Road and Jacob Circle.
 SHREE CINEMA, Lady Hardinge Road, Matunga (Western Rly.).
 SHRI KRISHNA TALKIES, Bhandup.
 SILVER TALKIES, Falkland Road.
 STAR CINEMA, Reay Road, near Dockyard Railway Station.
 STRAND CINEMA, Opposite Arthur Bunder Road.
 SUPER CINEMA, Grant Road and Bruchsha Hakim Road Junction.
 SURYA CINEMA, Dadar Main Road.
 SWASTIK CINEMA, Lamington Road, near Tribhuvan Road.
 TAJ TALKIES, Grant Road Corner.
 UDAY TALKIES, 4th Road, Ghatkopar, near Ghatkopar Railway Station.
 USHA TALKIES, New Nagardas Road, Mogra East, Andheri.
 VENKATESH TALKIES, Mahatma Gandhi Road, Ville Parle East, in front of Radhesham Talkies.
 VIJAY TALKIES, Slon Trombay Road, near Chembur Naka, Chembur

LIBRARIES IN BOMBAY

BLAVATSKY LODGE LIBRARY (French Bridge, Chowpatty).
 DAVID SASSOON LIBRARY AND READING ROOM (152, Mahatma Gandhi Road, Fort). See also under Literary and Scientific Institutions.
 DEPARTMENT OF INDUSTRIES LIBRARY (Secretariat).
 DIRECTORATE OF INFORMATION LIBRARY (Secretariat).
 HAFFKINE INSTITUTE LIBRARY (Old Government House, Parel).
 J. N. PETIT INSTITUTE LIBRARY (Hornby Road). See also under Literary and Scientific Institutions.
 J. N. PETIT INSTITUTE LIBRARY (Dadar).
 K. R. CAMA ORIENTAL INSTITUTE LIBRARY (Old Custom House Road).
 LABOUR OFFICE LIBRARY (Secretariat).
 MARWADI HINDI PUSTAKALAYA.

MOOLJIBHOY JIVRAJ KHOJA GENERAL READING ROOM AND LIBRARY (9, Dondat Cross Lane, Khadak). See also under Literary and Scientific Institutions.
 MULLA FIROZ LIBRARY.
 MUMBAI MARATHI GRANTH SANGRAHALAYA NATIONAL LIBRARY (Bandra).
 NATURAL HISTORY SOCIETY LIBRARY (114, Apollo Street). See also under Literary and Scientific Institutions.
 PEOPLE'S FREE READING ROOM AND LIBRARY (Ravelin Street, Fort; Dhobi Talao). See also under Literary and Scientific Institutions.
 ROYAL ASIATIC SOCIETY LIBRARY (Town Hall). See also under Literary and Scientific Institutions.
 SECRETARIAT LIBRARY (Secretariat).
 JAIN CENTRAL LIBRARY.
 UNIVERSITY LIBRARY (Rajabai Tower Bldg.).

CHAMBERS OF COMMERCE IN BOMBAY

BOMBAY CHAMBER OF COMMERCE

MACKINNON MACKENZIE'S BLDG., BALLARD ESTATE, BOMBAY 1.

THE objects of the Chamber are to encourage and promote a friendly feeling and unanimity among commercial men on the general mercantile interests of the State; to promote, protect and to collect and circulate information on all matters of general commercial interest.

All firms or persons engaged or interested in mercantile pursuits are eligible for election as Ordinary Members or Associate Members in their conventional or corporate name. The Chamber member's annual subscription is Ordinary Rs. 480, Associate Rs. 300. An Ordinary Member on election pays an entrance fee of Rs. 1,000 and an Associate Member Rs. 100.

Officials and others indirectly connected with the trade, commerce or manufactures of India, or who may have rendered distinguished service to the interests represented by the Chamber may be elected by the Committee Honorary Members of the Chamber.

ORDINARY MEMBERS

A.C.E.C. India Ltd.
Acme Thread Co., Ltd.
Adamji Lookmanji & Co.
Adrema Ltd.
Alcock Ashdown & Co., Ltd.
Alexander & Co.
Allahabad Bank Ltd.
Allen & Hauburys Ltd.
Allied Photographics, Ltd.
Allied Steel Traders.
All-India Groundnut Syndicate Ltd.
Aluminium Hindustan, Ltd.
Amalgamated Chemicals & Dyestuffs Co., Ltd.
American Express Co., Inc.
Anchor Line, Ltd.
Andrew Yule & Co., Ltd.
Anglo-Thai Corporation, Ltd.
Ardesair B. Cursetjee & Sons Ltd.
Armstrong Smith, Ltd.
Asbestos Cement, Ltd.
Asbestos, Magnesia & Friction Materials Ltd.
Asea Electric (India), Ltd.
Aspens, Ltd.
Associated Cement Companies, Ltd.
Associated Electrical Industries (India), Ltd.
Atherton & Co. (Eastern), Ltd., G.
Atlas Assurance Co., Ltd.
Automobile Products of India Ltd.
Avery Co., Ltd.
Babcock & Wilcox of India, Ltd.
Balmer Lawrie & Co., Ltd.
Bank of India Ltd.
Bassam & Bros., A. R.
Batliboi & Co.
Beardsell & Co., Ltd., W. A.
Beharilal Ramcharan Cotton Mills Ltd.
Bell, Russ & Co., Ltd.
Bennett, Coleman & Co., Ltd.
Biddle Sawyer & Co. (India), Ltd.
Blackie & Son (India), Ltd.
Bombay Ammonia & Refrigeration Co., Ltd.
Bombay Company, Ltd.
Bombay Dyeing & Mfg. Co., Ltd.
Bombay Gas Co., Ltd.
Boots Pure Drug Co. (India), Ltd.
Bourjois (Eastern), Ltd.
B. F. (India), Ltd.
Brady & Co., Ltd., W. H.
Breul & Co.
Britannia Biscuit Co., Ltd.
British Drug Houses (India), Ltd.
British Insulated Callender's Cables Ltd.
British Metal Corporation (India), Ltd.
British Overseas Airways Corporation.
Bunge & Co., Ltd.
Burmah-Shell Oil Storage & Distributing Co. of India, Ltd.
Burmah-Shell Refineries Ltd.
Burroughs Welcome & Co. (India), Ltd.
Byramji & Co., T.
Cadbury-Fry (Export), Ltd.
Caltex (India), Ltd.
Card Clothing & Belting Ltd.
Carr & Co. Ltd.
Cement Marketing Co. of India Ltd.
Central Agency, Ltd.
Central Railway.
Central Trading Co.

Chartered Bank of India, Australia & China.
Chaturbhuj Bhattachandbhai & Co.
Chinoy & Co., Ltd., F. M.
Chunilal Mehta & Co., Ltd.
Ciba Dyes, Ltd.
Ciba Pharma Ltd.
Commercial Union Assurance Co., Ltd.
Comptoir National D'Escompte De Paris.
Corn Products Co. (India), Ltd.
Courtaults (India), Ltd.
Cox & Co., Ltd., H. S.
Cox & Kings (Agents), Ltd.
Craigie, Blunt & Caroe.
Crawford, Bayley & Co.
Crompton Parkinson (Works) Ltd.
Crookes Laboratories Ltd.
Crown Life Insurance Co.
Currimjee Jeewanji & Co.
Dahanukar & Co., Ltd., M. L.
Daulatram Nandlal.
David Sassoon & Co., Ltd.
Deeth & Co. Ltd., W. H.
Dhanraj Mills Ltd.
Dodsall Limited.
Drennan & Co.
Duncan Stratton & Co., Ltd.
Dundas (Eastern), Ltd., R. K.
Dunlop Rubber Co. (India) Ltd.
Eagle Star Insurance Co., Ltd.
East Asiatic Co. (India), Ltd.
Eastern Bank Ltd.
Eastern Chemical Co. (India).
Edgar Handley & Co. Ltd.
Elephant Oil Mills Ltd.
Eli Lilly & Co. of India Inc.
Elof Ransson Agency Ltd.
Empire of India Life Assurance Co., Ltd.
English Card Clothing Co., Ltd.
English Electric Co., Ltd.
Evans Medical Supplies (India), Ltd.
Eve Fabrics Ltd.
Fairdeal Corporation, Ltd.
Federation of British Industries.
Ferguson & Co., A. F.
Firestone Tyre & Rubber Co. of India, Ltd.
Fleming Shaw & Co., Ltd.
Forbes, Forbes Campbell & Co., Ltd.
Ford Motor Co. of India, Ltd.
Ford, Rhodes Parks & Co.
French Dyes & Chemicals (India) Ltd.
French Motor Car Co., Ltd.
Gannon Dunkerley & Co., Ltd.
General, Accident, Fire & Life Assurance Corp. Ltd.
General Electric Co. of India, Ltd.
General Motors (India), Ltd.
General Radio & Appliances Ltd.
Geoffrey Manners & Co., Ltd.
George Willis & Sons (India), Ltd.
Getz Brothers & Co.
Gill & Co., Ltd.
Gillanders Arbuthnot & Co., Ltd.
Glaxo Laboratories (India), Ltd.
Glenfield & Kennedy, Ltd.
Godfrey Phillips (India), Ltd.
Gokal & Co., Ltd., J. V.
Golden Tobacco Co.
Goodlass Wall Ltd.
Grahams Trading Co. (India), Ltd.
Gramophone Co., Ltd.
Greaves Cotton & Co., Ltd.
Gresham Life Assurance Society, Ltd.
Grindlay's Bank Ltd.
Guest, Keen, Williams, Ltd.
Gulf Oil (India), Ltd.
Gurdial Naraindas & Co.
Haji Hasan Dada.
Hardcastle Waud & Co., Ltd.
Harold F. Ritchie (India), Ltd.
Heatly & Gresham, Ltd.
Henley's Telegraph Works Co., Ltd., W. T.
Herbertsons, Ltd.
Hill Elliott & Co., Ltd.
Hill, Son & Dinshaw Ltd.
Hind Mills Ltd.
Hind Trading Co.

Hindustan Vanaspathi Manufacturing Co., Ltd.
 Hoare Miller & Co., Ltd.
 Hollerith (India), Ltd.
 Hongkong & Shanghai Banking Corporation.
 Imperial Bank of India.
 Imperial Chemical Industries (India), Ltd. (Chemicals & Dyes).
 Imperial Tobacco Co. of India, Ltd.
 India Tyre & Rubber Co. (India), Ltd.
 Indian Casablancas High Draft Co., Ltd.
 Indian Oxygen and Acetylene Co., Ltd.
 Indian Textile Engineers, Ltd.
 Indokem Ltd.
 International General Electric Co. (India), Ltd.
 James Finlay & Co., Ltd.
 Jayant Trading Co.
 Jeena & Co.
 John Fleming & Co., Ltd.
 John T. Hardakar (India), Ltd.
 Johnson & Johnson (Gt. Britain) Ltd.
 Johnson & Phillips Ltd.
 Jost's Engineering Co., Ltd.
 Kapadia Trading Co.
 Kemp & Co., Ltd.
 Kerr & Co., Ltd., F. S.
 Keymer & Co., Ltd., D. J.
 Khatau Vallabhdas & Co.
 Kishachand Devchand & Co., Ltd.
 Killick Industries, Ltd.
 Killick, Nixon & Co., Ltd.
 Kinetograph Renters' Society of India, Burma & Ceylon, Ltd.
 Kishinchand Chellaram.
 Kodak Ltd.
 Kores (India), Ltd.
 Lakshminathan Engineering Works, Ltd.
 Larsen & Toubro, Ltd.
 Latham Abercrombie & Co., Ltd.
 Lederle Laboratories (India) Ltd.
 Lever Brothers (India), Ltd.
 Lewis & Jones.
 Lionel Edwards, Ltd.
 Lipton Ltd.
 Little & Co.
 Lloyds Bank Limited.
 London & Lancashire Insurance Co., Ltd.
 Louis, Dreyfus & Co., Ltd.
 Mackinnon Mackenzie & Co., Ltd.
 Macmillan & Co., Ltd.
 Mafatal Gagalbhai & Co., Ltd.
 Manilal Patel & Co.
 Mansetta & Brothers, N.
 Mappin & Webb (India), Ltd.
 Marshall Sons & Co. (India), Ltd.
 Martin, Burn, Ltd.
 Martin & Harris, Ltd.
 May & Baker (India), Ltd.
 Mazagon Dock Ltd.
 McKenzies, Ltd.
 Mehta & Co., H. M.
 Mercantile Bank of India, Ltd.
 Metal Box Co. of India, Ltd.
 Metcalfe & Hodgkinson, Ltd.
 Millar's Timber & Trading Co., Ltd.
 Monsanto Chemicals of India, Ltd.
 Mooljee Jaitha & Co.
 Morrison, Son & Jones (India), Ltd., J. L.
 Mousell & Co., Ltd.
 Muller & Phipps (India), Ltd.
 Mullick & Co., M. A.
 Musry Ltd., G. N.
 Narandas Rajaram & Co., Ltd.
 Nariman Brothers, H. D.
 National Bank of India, Ltd.
 Nationale Handels Bank, N. V.
 National Transport Co.
 Nelson Trading Corporation Ltd.
 Netherlands Trading Society.
 New India Assurance Co., Ltd.
 New Zealand Insurance Co., Ltd.
 Norwich Union Life Insurance Society.
 Nowrojee Ardaseer & Sons.
 Oomdechand Kashiram & Co.
 Orient Longmans Ltd.
 Oriental Government Security Life Assurance Co., Ltd.
 Ormerods (India), Ltd.
 Osier (India) Ltd., F. & C.
 Oxford University Press.
 Parke Davis & Co., Ltd.
 Parry & Co., Ltd.
 Patel Cotton Co., Ltd.
 Pavri, J. K.
 Pavri Sons & Co.

Pearl Assurance Co., Ltd.
 Phipson & Co., Ltd.
 Pilkington Brothers, Ltd.
 Pinchin Johnson & Associates Ltd.
 Polson Limited.
 Poona Electric Supply Co., Ltd.
 Pragdas Mathuradas (Bombay), Ltd.
 Pravinkant Keshavlal & Co.
 Premchand Roychand & Sons, Ltd.
 Purdie & Co.
 Racek & Co., Ltd., F.
 Rallis India, Ltd.
 Ramdas Khimji Brothers.
 Remington Rand, Inc.
 Richardson & Cruddas Ltd.
 Roberts, McLean & Co., Ltd.
 Royal Insurance Co., Ltd.
 Sales Products, Overseas, Ltd.
 Sandos Products, Ltd.
 Sankey Electrical Stampings, Ltd.
 Sapt Textile Products (India), Ltd.
 Scottish Union and National Insurance Co.
 Sepulchre Brothers (India), Ltd.
 Sethna & Leburau.
 Seymour & Co. (India), Ltd., L. D.
 Sharp & Tannan.
 Shaw Wallace & Co., Ltd.
 Shrivastav C. Cambatta & Co., Ltd.
 Shuttleworth & Brett.
 Singer Sewing Machine Co.
 Sizing Materials Co., Ltd.
 S.K.F. Ball Bearing Co., Ltd.
 Society of Motor Manufacturers and Traders, Ltd.
 Sorabji Nowroji & Co.
 South British Insurance Co., Ltd.
 Spencer & Co., Ltd.
 Standard Vacuum Oil Co.
 Standard Vacuum Refining Co. of India, Ltd.
 Steel Bros. & Co., Ltd.
 Stewarts & Lloyds of India, Ltd.
 Stone & Co. (India), Ltd., J.
 Stronach & Co. (India), Ltd., L. A.
 Sun Life Assurance Co. of Canada.
 Suren & Co., Ltd., W. T.
 Tata Hydro-Electric Power Supply Co., Ltd.
 Tata Iron & Steel Co., Ltd.
 Tata Sons, Ltd.
 Thos. Cook & Son (Continental & Overseas), Ltd.
 Trading Co. Late Hegt & Co., Ltd.
 Trans World Airlines, Inc.
 Triton Insurance Co., Ltd.
 Tulsi Das Khimji.
 Turner Hoare & Co., Ltd.
 Turner, Morrison & Co., Ltd.
 United Liner Agencies of India, Ltd.
 United Steel Companies (India), Ltd.
 United Traders, Ltd.
 Van Reekum-Gepacy Paper, Ltd.
 Vasanjee Laljee & Sons.
 Vissanji Sons & Co., Ltd.
 Volkart Brothers.
 Vulcan Trading Co., Ltd.
 Wakefield & Co., Ltd., C. C.
 Wallace & Co.
 Western India Match Co., Ltd.
 Western Railway.
 Westrex Co., India.
 William Jacks & Co., Ltd.
 Williamsons (India), Ltd.
 Wilson Brothers Bobbin Co., Ltd.
 Yorkshire Insurance Co., Ltd.

ASSOCIATE MEMBERS

Abdulazer Ltd., J. A.
 Ahmed Oomerbhoy.
 Ahmedabad Electricity Co., Ltd.
 Alfred Herbert (India), Ltd.
 Bakelite (India), Ltd.
 Baldota Bros.
 Rashimal Tirathram.
 Bharat Tiles and Marbles, Ltd.
 Bharat Trading Co.
 Bombay Cotton, Ltd.
 Bombay Paper Marketing Co.
 British Paints (India), Ltd.
 Budroodn Mahomedally & Sons.
 Capco, Ltd.
 Cable Ltd.
 Central Dyes & Chemicals Co.
 Chloride & Exide Batteries (Eastern), Ltd.

Chowgule & Co. (Hind), Ltd.
Consolidated Pneumatic Tool Co., Ltd.
Devidayal (Sales), Ltd.
Dodge & Seymour (India), Ltd.
Durgaprasad Ramcharan, Ltd.
Edward Textiles, Ltd.
Evans Fraser & Co. (India), Ltd.
Fine Dyestuffs & Chemicals (India), Ltd.
Gestetner Duplicators, Ltd.
Giovanni Bari.
Gokaldas & Sons.
Gopinath Changamull.
Goveas (India), Ltd.
Gulamhussein Ahmedally & Co., Ltd.
Haji Aziz & Abdul Shakoor Bros.
Hardacre & Co., J.
I.B.M. World Trade Corpn.
Indian Industries Palace.
India Unifed Mills, Ltd.
James MacIntosh & Co., Ltd.
Josef Blum, Ltd.
Jostle Trading Corporation, Ltd.
Karanjia Bros., Ltd.
Kidarnath Kishan Chand.
Kilburn & Co., Ltd.
Kishinchand & Co. (India), Ltd.
Kilmit & Lion, Ltd.
K. L. M. - Royal Dutch Airlines.
Laxmi Construction & Trading Co., Ltd., The
Lee & Multhead (India), Ltd.
Lloyd Triestino, S P A N.
Machine Tools (India), Ltd.
Madhowji Thackersey Sons & Co.
Manubhai Sons & Co.
McNeil J. (Tech. Top The Mond Nickel Co., Ltd.)
Mohanlal Motilal
Motor & General Stores Supplying Co
National Carbon Co. (India), Ltd.
Natwarlal Shamaldas & Co
Noble Paint & Varnish Co., Ltd.
Norinco, Ltd.
Parmanand Maneklal & Co.
Popatlal Ghebbhal & Co.
Premji Haridas & Co
Protos Engineering Co., Ltd.
Rajnikant & Co
Shah Narotamdas Harjivandas Co.
Shah Trikanddas Damji.
Shantilal Karamshi Somaiya.
Sharda Electric & Radio Co., Ltd.
Shroff & Co.
Takandas H. Kataria
Tapuriah & Sons, Ltd.
Textile Export, Ltd.
Thos. W. Ward (India), Ltd.
Tractor and Allied Equipment Manufacturers & Importers' Association, Ltd.
Trade Wings, Ltd.
Typhoon Blower Co.
Underswriters, Ltd.
Vijaysinh Virchand.
Westinghouse Trading Co. (Asia), Ltd.
Williams G., & Co., Ltd.

HONORARY MEMBERS

The Australian Government Trade Commissioner at Bombay.
The Canadian Government Trade Commissioner for India, Burma & Ceylon.
The Commercial Attache to the French Embassy.
The Commercial Secretary, Royal Netherlands Embassy.
The Consul for Italy.
The Consul-General for Belgium.
The New Zealand Government Trade Commissioner.
The Royal Danish Legation.
The Swiss Trade Commissioner.
U.K. Trade Commissioner at Bombay.
The Consul-General for the Federal Republic of Germany.

GENERAL COMMITTEE.—E. L. C. Gault (*President*), R. L. Coghlan (*Vice-President*), K. C. Bakhe, A. Kirkwood Brown, A. J. Hoskyns Abraham, A. A. Jasdanyala, W. Jenkins, H. C. MacColl, E. Parker, R. H. Schuepp, N. M. Wagle, Pratapsinh Mathuradas, A. D. Wenzel, L. A. Boulton (*Secretary*).

AFRICA AND OVERSEAS MERCHANTS' CHAMBER

31, People's Building, Pherozshah Mehta Road, Bombay 1.

OBJECTS.—An influential body of exporters and importers trading with all foreign countries; to protect the interests of traders and develop India's foreign trade; to take an interest in the well-being of Indians overseas.

Secretary: Mohanlal V. Rupani.

EAST INDIA CHAMBER OF COMMERCE LIMITED

Patwa Chawl, Sheikh Memon Street, Bombay-2.

OBJECT.—To conduct a market under the auspices of the Chamber, wherein the members can do business in oilseeds, wheat and other grains, sugar, metals, spices, jute, hessian, gunny bags, oils, yarn, artificial yarn and in hundi, chithi sarafi and other banking business. It has a membership of 500.

Board of Directors.—*President*, Shivali Narpatlal Maniar; *Vice-President*, Champaklal Jamnadas Shah; *Hon. Secretary*, Jayantilal Chunilal Shah; *Jt. Hon. Secretary*, Jayantilal Nanchand Shah; *Treasurers*, Narandas Navalchand Doshi and Jivanlal Amulakh. *Directors*, Balchand Ishwarlal Vora, Shantilal Sukhlal Kamdar, Amarchand Kilachand Mehta, Jayashanker Mulshanker Joshi, Shiyadattal Baldevdas Pillai, Kikabhai Ratanchand, Chimanlal Chandrabhan Kothari, Vardhilal Vamalshi, Ratilal Premchand, Kantilal Nagardas Shah, Radhakishan Bagarka, Jivatlal Harjivandas Shah, Manilal Lavjibhai Shah, Amulakh Jhunjhabhai Kamdar, Sitaram Shiybhagwan Devda. *Manager*, Ambalal Kalidas Dave.

INDIAN MERCHANTS' CHAMBER

Lalji Naranji Memorial, Indian Merchants' Chamber Building, Back Bay Reclamation, Vir Nariman Street, Bombay 1.

Its objects are:—to promote the objects of the Indian business community in matters of inland and foreign trade, shipping and transport, industry and manufacture, banking and insurance; to collect and disseminate statistical and other information securing the promotion of the objects of the Chamber, and to make efforts for the spread of commercial and economic knowledge; to take all steps which may be necessary for promoting, supporting or opposing legislation or other action affecting the aforesaid interests by the Government or any Department thereof or by any local body or bodies, and in general to take the initiative to secure the welfare of the business community in all respects; to make representations to Local or Central authorities, Executive or Legislative, on any matter affecting trade, commerce, manufacture or shipping, banking or insurance; to undertake special enquiries and action for securing redress for legitimate grievances of any branch of trade or industry as also all such other action as may be conducive to the extension of trade, commerce or manufacture or incidental to the attainment of the above objects.

The Chamber has a membership of over 2,731. About 125 Commercial and Trade Associations representing various trades such as rice, grain and seeds, iron, match, bullion, indigenous banking, insurance, cotton, etc., in the city and State of Bombay are affiliated to the Chamber.

The Chamber is directly represented on several public bodies: Corporation, the Bombay Port Trust, the Indian Central Cotton Committee, Indian Coconut Committee, the Advisory Committees of the Western and Central Railways, Advisory Committee of the Institute of Science, the Bombay Development Department, the Bombay Traffic Advisory Committee, the Board of Communications, the Indian Sailors' Home Committee, the Senate of the Bombay University, Advisory Committee under the Trade Marks Act, Advisory Boards of the Sydenham College of Commerce and Economics and Podar College of Commerce, the Governing Body of the I.M.M.T.S. "Dufferin," Commercial Panel of the Railway Rates Advisory Committee, and the State Transport Authority.

President.—Ambalal Kilachand

Vice-President.—Chhannalal B. Parikh.

Secretary.—A. C. Ramalingam.

Asstt. Secretary.—C. L. Gheewala.

ASSOCIATION MEMBERS

Africa & Overseas Merchants' Chamber.
 Ahmedabad Chemical Merchants' Association
 Ahmedabad Cotton Exchange Association Ltd.
 Ahmedabad Cotton Merchants' Association
 Ahmedabad Cotton Waste Merchants' Association.
 Ahmedabad Grain Merchants' Association.
 Ahmedabad Mill & Gin Stores Merchants' Association.
 Ahmedabad Share & Stock Brokers' Association
 All-India Bichromate Manufacturers' Association.
 All-India Bobbins Manufacturers' Association.
 All-India Federation of Powerloom Associations.
 All-India Non-Ferrous Metalware Manufacturers' Association.
 All-India Plastics Manufacturers' Association.
 All-India Radio Merchants' Association.
 All-India Starch Manufacturers' Association.
 Association of Electrical Undertakings, Bombay State.
 Association of Indian Importers of Dyestuffs.
 Association of Merchants & Manufacturers of Textile Stores & Machinery (India).

Bombay Arms & Ammunition Dealers' Association.
 Bombay Camphor Merchants' Association.
 Bombay Clove Merchants' Association Ltd.
 Bombay Cotton Merchants' & Mucendams' Association Ltd.

Bombay Country Fancy & Grey Piecegoods Merchants' Association.
 Bombay Custom House Clearing Agents' Association.
 Bombay Cutlery, Toys, Glass-beads & Sundry Merchants' Association.
 Bombay Cutlery & Piecegoods Merchants' Association.
 Bombay Cycle Merchants' Association.
 Bombay Diamond Merchants' Association.
 Bombay Glassware Merchants' Association.
 Bombay Grain Dealers' Association.
 Bombay Hardware Merchants' Association.
 Bombay Hessian & Gunny Merchants' Association Ltd.
 Bombay Hosiery Merchants' Association.
 Bombay Iron Merchants' Association.
 Bombay Karana Colour & Chemical Merchants' Association.
 Bombay Kharek Bazar & Mewa Merchants' Association.
 Bombay Marble & Tile Merchants' Association.
 Bombay Metal Dealers' Association Ltd.
 Bombay Motor Merchants' Association Ltd.
 Bombay Mudi Bazar Karana Merchants' Association.
 Bombay Oil Merchants' Association.
 Bombay Oilseeds Exchange Ltd.
 Bombay Paint Merchants' Association.
 Bombay Piecegoods Merchants' Association.
 Bombay Pipes & Fittings Merchants' Association.
 Bombay Presidency Printers' & Lithographers' Association.
 Bombay Press Owners' Association.
 Bombay Provision Merchants' Association.
 Bombay Rice Merchants' Association.
 Bombay Sanitaryware Association.
 Bombay Salt Merchants' & Shilotties' Association.
 Bombay Secondhand Clothing Importers' Association.
 Bombay Shroff Association Ltd.
 Bombay Stationers' Association.
 Bombay Stevedores' Association.
 Bombay Sugar Merchants' Association, Ltd.
 Bombay Swadeshi Market Board.
 Bombay Tea Merchants' Association.
 Bombay Umbrella Manufacturing Merchants' Association.
 Bombay Vegetable Product Merchants' Association.
 Bombay Watch Dealers' Syndicate.
 Bombay Watch Material Merchants' Association.
 Bombay Wool Merchants' Association.
 Bombay Yarn Exchange, Ltd.
 Bombay Woollen Dealers' Corporation (Woollen Piecegoods).
 Builders' Association of India.

Chamber of Income-tax Consultants.
 Chemists' & Druggists' Association.
 Cinematograph Exhibitors' Association of India.
 Cinematographic Importers' Association.
 Cotton Buyers' Association.
 Deccan Sugar Factories' Association.
 Dye-stuffs Manufacturers' Association of India.
 East India Chamber of Commerce, Ltd.
 Electric Merchants' Association.
 Engineering Association of India (Bombay Presidency Branch).
 Federation of Bombay Clothes Manufacturers' Associations.
 Federation of Bombay Retail Cloth Dealers' Association.
 Forest Contractors' Association.
 Grain & Oilseeds Merchants' Association.
 Hindustani Merchants' & Commission Agents' Association, Ltd.
 Hooshami Old Iron Merchants' Association.
 Hotel & Restaurant Association of Bombay Region.
 Indian Countrycraft Association, Ltd.
 Indian Chemical Manufacturers' Association (Bombay Presidency Branch).
 Indian Grain Dealers' Federation.
 Indian Insurance Companies' Association.
 Indian Motion Picture Distributors' Association.
 Indian Motion Picture Producers' Association.
 Indian National Steamship Owners' Association.
 Indian Railways Caterers' Association.
 Indian Roads & Transport Development Association, Ltd.
 Indian Rubber Industries Association.
 Indian Stock Exchange, Ltd.
 Jhaveri Mahajan Motino Dharumoo Kanto.
 Karana Brokers' & Commission Agents' Association.
 Karnatak Chamber of Commerce, Hubli.
 Karnatak Oil Mill Owners' Association.
 Leather Goods Manufacturers' & Dealers' Association.
 Maharatta Chamber of Commerce & Industries.
 Memon Chamber of Commerce.
 Merchants' Association.
 Metal Exchange Association, Ltd.
 Metal Traders' Association, Ltd.
 Mill Gin Store Merchants' Association.
 Nadiad Tobacco Merchants' Association.
 Oil Merchants' Chamber.
 Paper Traders' Association.
 Pepper & Ginger Merchants' Association, Ltd.
 Powerloom Industries Association.
 Raw Silk Merchants' Association.
 Refrigeration & Air Conditioning Trades' Association, Ltd.
 Sales-tax Practitioners' Association.
 Scientific & Surgical Traders' Association.

Shree Market Silk Merchants' Association.
 Silk & Art Silk Mills' Association, Ltd.
 Silk Merchants' Association.
 Surat Chamber of Commerce.
 Thana District Grain & Kirana Merchants' Association.
 Watch Importers' Association, Ltd.
 Western India Automobile Association.
 Western India Sheet Rollers' Association.
 Yarn Merchants' Association, Ltd.

MAHARASHTRA CHAMBER OF COMMERCE

Industrial Assurance Building, Churchgate, Bombay 1.

Maharashtra Chamber of Commerce, Bombay was established in 1927 with the object of establishing friendly relations amongst the commercial community of Maharashtra, safeguarding their interests, collecting financial, industrial and trade statistics and disseminating information thereof amongst members of the Chamber.

Membership of the Chamber is open to all carrying on trade, commerce and industry in the Maharashtra area in Bombay State irrespective of caste, creed or community.

The Chamber holds conferences from time to time to focus attention of the commercial community on matters affecting trade, commerce and industry and on questions relating to the economic development of the country in general and of Maharashtra in particular. Seven such conferences have been held so far at various commercial centres in Maharashtra under the Chamber's auspices.

The Chamber is affiliated to the Federation of Indian Chambers of Commerce and Industry, New Delhi, Indian National Committee of the International Chamber of Commerce; and is a member of the Indian Standards Institute and of the Indian Council of World Affairs.

The Chamber issues a monthly magazine *Vaibhav* and distributes it free of cost to its members.

Publications: Directory of Indian Manufacturers and Handbook of Commercial Information (Published both in Marathi 1934 and English 1935).

Membership: Chamber has over 600 members spread over throughout the territory it serves.

Number of Joint Stock Companies: over 115.

Number of Commercial Associations: over 20 (having amongst them more than 1,000 members).

Office-Bearers:

President.—K. H. Kabbur

Vice-Presidents.—K. H. Dhamdhare, B. D. Garware, P. S. Lahoti

Secretary.—D. V. Kelkar.

MEMON CHAMBER OF COMMERCE

Patharia Palace, Mohamedali Road, Bombay 3.

The Chamber was established in 1929 with a view to promote and protect the interests, rights and privileges of Indian merchants in general and of members of this Chamber in particular, in matters of inland and foreign trade, transport, industry, manufacture, banking, insurance and shipping. The Chamber acts as mediator and arbitrator in disputes arising out of commercial transactions and considers ways and means of removing difficulties pertaining to trade and commerce of the commercial community in a lawful and constitutional manner. The present membership of the Chamber is 100.

President—H. H. Ismail, J.P., Hon. Consul-General for Dominica

Vice-President.—Musa T. Memon, Advocate.

Hon. Secretary.—Sattar Abdul Latif

Jt. Hon. Secretary.—Aboobakar Musa Mahuvawala.

Secretary.—Ismail Ahmed Mottiwala.

WESTERN INDIA CHAMBER OF COMMERCE, LTD.

232-234, Kalbadevi Road, Bombay.

The objects for which the Chamber is established are:—

To promote and protect the interests of merchants carrying on business in Bombay, specially in wheat and oilseeds, including linseed and groundnut, and in Hundi, Chithi and other Banking business, to regulate their methods of doing business and remove all causes of friction between such merchants *inter se* and between them and their constituents. To consider all questions relating to the rights and privileges of Indian merchants and especially merchants dealing in the aforesaid commodities, and to consider ways and means for removing all difficulties arising in their way in a lawful and constitutional manner, and if necessary for the said purposes, to carry on correspondence with the Indian Government, or any Local Government and with railway authorities, Telegraph and Post Offices, Banks and private Companies and any private or public associations, the Port Trust and Municipality.

President.—Bagraj Gupta.

Vice-President.—Bhawankus Binani.

Secretary.—Asharam Dube.

HOLIDAYS UNDER CHARTER PARTIES IN BOMBAY

For the Year 1954

As empowered by the Resolution passed at a General Meeting of the Bombay Chamber of Commerce, held on 22nd July 1881, the Committee of the Chamber hereby informs the public that the following days have been fixed by them to be holidays under Charter Parties for the year 1954 :—

Indian Republic Day ..	26th January ..	Tuesday
Maha Shivaratri ..	3rd March ..	Wednesday
Holi (2nd Day) ..	20th March ..	Saturday

Good Friday ..	16th April ..	Friday
May Day ..	1st May ..	Saturday
Ramzan-Id ..	3rd June ..	Thursday
Bakri-Id ..	10th August ..	Tuesday
Cocoanut Day ..	14th August ..	Saturday
Gokul Ashtami ..	21st August ..	Saturday
Muharram ..	8th September ..	Wednesday
Diwali (2nd Day) ..	27th October ..	Wednesday
Christmas Day ..	25th December ..	Saturday

HOLIDAYS IN 1954 IN BOMBAY

No. P.13.—Under Section 25 of the Negotiable Instruments Act, 1881 (XXVI of 1881), read with the Notification of the Government of India, Home Department, No. 228/37, dated the 1st April 1938 the Government of Bombay is pleased to declare the following days to be public holidays during the year 1954, in addition to the New Year's Day (1st January), Good Friday (16th April) and Christmas Day (25th December) which are already notified as holidays under the above section :—

Indian Republic Day ..	26th January ..	Tuesday
Maha Shivaratri ..	3rd March ..	Wednesday
Holi (2nd Day) ..	20th March ..	Saturday
Mahavir Jayanti ..	16th April ..	Friday
Ramzan-Id (Id-ul-Fitr) ..	3rd June ..	Thursday
Bakri-Id (Id-ul-Azha) ..	10th August ..	Tuesday
Cocoanut Day ..	14th August ..	Saturday
Gokul Ashtami ..	21st August ..	Saturday
Ganesh Chaturthi and Sambatsari ..	1st September ..	Wednesday
Parsi New Year ..	2nd September ..	Thursday
Khordad Sal ..	7th September ..	Tuesday
Muharram ..	8th September ..	Wednesday
Mahatma Gandhi's Birth Day ..	2nd October ..	Saturday
Dussehra ..	7th October ..	Thursday
Diwali (2 Days) (Diwali and New Year Day) ..	26th and 27th October ..	Tuesday & Wednesday
Id-e-Milad ..	9th November ..	Tuesday

Notes.—(1) No days have been notified as holidays on account of Jamshedji Navroz (21st March), Ramnavmi (11th April) and Independence Day (15th August) as these holidays fall on Sundays.

(2) If any of the Muslim holidays notified above does not fall on the day notified, the Muslim servants of Government may be granted a Sectional holiday on the day on which the holiday is actually observed.

SECTIONAL HOLIDAYS—1954.

The following are the Hindu, Parsi, Muslim, Jewish, Jain and Sikh Holidays recognized by Government for the year 1954, in addition to those notified under the Negotiable Instruments Act, 1881 (XXVI of 1881), viz :—

Hindu.

Diwali 1st day (Narak Chaturdashi or Kali Chaudas) ..	25th October ..	Monday
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Parsi (Shahenshah).

Zarthost-no-Diso ..	9th June ..	Wednesday
Gatha Gahambars ..	30th August ..	Monday

Parsi New Year's Eve (Gatha V) ..	1st September ..	Wednesday
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Parsi (Kadmi).

Zarthost-no-Diso ..	9th June ..	Wednesday
Gatha Gahambars ..	31st July ..	Saturday

New Year's Eve ..	2nd August ..	Monday
New Year ..	3rd August ..	Tuesday

Muslim (Sunni).

Shabe-e-Barat ..	19th April ..	Monday
Ramzan-Id (Id-ul-Fitr) ..	4th June ..	Friday
Muharram ..	7th September ..	Tuesday

Muslim (Shiah).

Shahdat-e-Hazrat Ali ..	25th May ..	Tuesday
Ramzan-Id (Id-ul-Fitr) ..	4th June ..	Friday
Muharram ..	7th September ..	Tuesday
Shahdat-e-Imam Hasan ..	26th October ..	Tuesday

Jewish.

Shabbath ..	7th June ..	Monday
Rosh-Hoshana (1st day) ..	28th September ..	Tuesday
Eve of Kippur ..	6th October ..	Wednesday
Kippur ..	7th October ..	Thursday
Sukhoth (last day) ..	20th October ..	Wednesday

Jain.

Shravan Vad 13 ..	26th August ..	Thursday
Shravan Vad 30 ..	28th August ..	Saturday
Pajushan Bhadarva Sud 5 ..	2nd September ..	Thursday
Kartika Sud 15 ..	10th November ..	Wednesday

Hindus from Sind.

Birthday of Shri Guru Nanak Devji ..	10th November ..	Wednesday
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Sikh.

Birthday of Shri Guru Govind Singh ..	11th January ..	Monday
Death Anniversary of Martyr Guru Arjun Devji ..	4th June ..	Friday
Birthday of Shri Guru Nanak Devji ..	10th November ..	Wednesday

Christian.

Christmas ..	27th December ..	Monday.
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Notes.—(1) No days have been notified as holidays on account of Hindu—Gudhi Padwa (4th April), Jain—Chaitra Sud 15 (18th April), Parsi (Kadmi)—Khordad Sal (8th August), Jewish—Pesach (1st day) (18th April), Thilshabab (8th August) and Muslim (Shiah)—Id-e-Moulad (14th November) as these holidays fall on Sundays.

(2) If any of the Muslim Sectional holidays (both Sunni and Shiah) notified above does not fall on the day notified, the Muslim servants of Government (Sunni or Shiah as the case may be) may be granted a Sectional holiday in lieu of holiday on the day notified.

(3) The Heads of Offices have discretion to permit any person serving under them to substitute for one of those authorised Sectional holidays any other holiday observed by the Community to which such servant belongs.

BANKS and BANKERS

ALLAHABAD BANK, LTD.

(Established 1865).

Affiliated to the Chartered Bank of India, Australia and China.

AUTHORISED CAPITAL	Rs. 1,00,00,000
ISSUED CAPITAL	Rs. 60,00,000
PAID-UP CAPITAL	Rs. 45,50,000
RESERVE FUND	Rs. 1,08,00,000

LONDON CORRESPONDENTS:—Chartered Bank of India, Australia and China.

HEAD OFFICE:—Calcutta.

BOMBAY OFFICES

Allahabad Bank Building, 35-39, Apollo Street. Agent—E. Ferguson. Accountant N. S. Chakravarti. Asstt. Accountants—A. Lobo, P. S. Krishnan and R. L. Lewis. Tel. Address: "Allah." Phone for Office No. 23546, for Agent No. 25835. P.O. Box No. 282.

BOMBAY CITY (Kalbadevi)

Western India Chamber of Commerce Building, 232-34, Kalbadevi Road. Agent—S. G. Mathker. Asstt. Agent—G. K. Phadke. Tel. Address: "Allacity." Phone No. 31204.

BRANCHES

Agra, Agra—Johi Bazar, Ahmedabad, Akola, Aligarh, Allahabad, Allahabad City, Ambala Cantt., Amritsar, Banaras, Bareilly, Bareilly City, Batala, Bhagalpur, Bombay, Bombay City (Kalbadevi), Calcutta, Calcutta—Burra Bazar, Shambazar, South Calcutta, Chandausi, Dehra Dun, Delhi, Deoria, Etawah, Fyzabad, Firozabad, Ghazabad, Ghazipur, Gorakhpur, Hapur, Hardoi, Hathras, Jabalpur, Jabalpur City, Jhansi, Jullundur City, Kanpur, Kanpur City, Lahore, Lucknow, Lucknow—Amnabad Park, Lucknow City, Ludhiana, Lyallpur, Mathura, Meerut, Mirzapur, Modhnagar, Moradabad, Moradabad City, Mussorie, Muzaffarnagar, Nagpur, Nagpur City, Nalal Tal, New Delhi, Orad, Patna, Patna City, Patna University, Rue Bareilly, Raipur, Rajnandgaon, Satna, Shahjahanpur and Sitapur.

PAY OFFICES

Auralya, Banda, Barhaji, Bindki, Buxar, Chanda, Durg, Fatehpur Gorakhpur City, Kalpi, Kosi Kalan, Mahoba, Siswa Bazar and Shahjahanpur City.

CODE USED:—Bentley's Complete Phrase Code.

Bentley's Second Phrase Code

CORRESPONDENTS—In all the Principal Towns throughout India.

THE AMERICAN EXPRESS COMPANY, INC.

(Incorporated in the U.S.A. Liability of the Members being Limited). Oriental Building, 364, Hornby Road, Fort. Bankers and Travel Agents. HEAD OFFICE:—65, Broadway, New York. LONDON OFFICE:—6, Haymarket. Affiliated with the American Express Co. Branches of the American Express Company, Inc., are established in all the principal cities throughout the world.

BANCO NACIONAL ULTRAMARINO

(Established 1864).

(Incorporated in Portugal with Limited Liability).

HEAD OFFICE—Lisbon.

BOMBAY OFFICE—10, Churchgate Street, Fort.

CAPITAL PAID-UP Esc.	40,000,000
RESERVE FUND Esc.	120,140,249 \$ 58

MANAGER—A. A. T. Machado.

70 Branches scattered in all five Continents.

CODES USED IN BOMBAY OFFICE—A. B. C. 6th Ed., Bentley's, Guedes, Lieber's, Peterson's 1st, 2nd and 3rd Ed. and Private.

TELEGRAPHIC ADDRESS—In Bombay—"Ultranacio". In all other places—"Colonial."

BANK OF BARODA, LIMITED

Apollo Street, Bombay. CAPITAL AUTHORIZED Rs. 2,40,00,000; CAPITAL ISSUED AND SUBSCRIBED Rs. 2,00,00,000; CAPITAL CALLED AND PAID-UP Rs. 1,00,00,000; RESERVE FUND Rs. 1,28,00,000. HEAD OFFICE.—Baroda. General Manager.—Mathew S. D'Souza. BRANCHES AND PAY OFFICES.—Ahmedabad (Bhadra), Ahmedabad (Panch Kuva), Amreli, Amritsar, Bangalore, Baroda (Savaji Gunj), Bhavnagar, Billimora, Bombay (Fort, Zaveri Bazar, Mandvi and Bombay Bullion Hall), Calcutta (Netaji Subhas Road, Burra Bazar and Cross Street), Cambay, Coimbatore, Dabhol, Delhi, Dhulla (West Khandesh), Dwarka, Harij (N.G.), Hyderabad (Dn.), Jalgaon (East Khandesh), Jamnagar, Kadi, Kalol (N.G.), Kanpur, Kapadwanj, Karjan, Lucknow, Madras, Mehsana, Mithapur, Navsari, Navsari Station Road, New Delhi, Patan, Pachora (East Khandesh—Pay Office), Petlad, Poona City, Poona Camp, Port Okha, Rajkot, Sankheda, Sidhpur, Surat, Surendranagar (Wadhwan Camp), Unjha (N.G.), Veraval, Vijapur, Visnagar (N.G.), Vyara.

OVERSEAS BRANCHES.—Mombasa, Kampala and Nairobi (Br. East Africa).

Agents at important foreign centres.

THE BANK OF BIKANER LIMITED

(Incorporated in Bikaner: Members' Liability Limited).

TREASURERS TO THE GOVERNMENT OF RAJASTHAN

Authorized Capital	Rs. 2,00,00,000
Subscribed Capital	Rs. 1,00,00,000
Paid-up Capital	Rs. 50,00,000
Reserve Fund	Rs. 14,00,000
Deposits Exceed	Rs. 11,00,00,000

51 Branches:

Agra, Ahmedabad, Bahadra, Balotra, Barmer, Baroda, Bhatinda, Bikaner, Bikaner City, Bikaner Kote Gate, Bombay Fort, Bombay Zaveri Bazar, Calcutta, Churu, Coimbatore, Dabwali, Delhi, Dungargarh, Ganganagar, Gangapur City, Gangashahr, Indore, Jaipur, Jaisalmer, Jalore, Jhunjhuna, Jodhpur City, Jodhpur, Jalori Gate, Kanpur, Karanpur, Lachun, Loharu, Madras, Merta City, Muzaffarnagar, Nagaur, Nawagarh, Nohar, Pall Marwar, Panna (Vindhya Pradesh), Patna, Phadoli, Raisinchnagar, Ratangarh, Sadulgarh (P.O. Hanumangarh), Sadulpur, Sangaria, Sardarsahar, Secunderabad (Hyderabad State), Sikar, Sujangarh.

Safe Deposit Lockers are available at most of the Branches.

Inland and Foreign Letters of Credit arranged.

Banking Business of Every Description Undertaken.

BANK OF CHINA

(Incorporated in China—Liability of Members Limited).

HEAD OFFICE:

Peking, China.

BRANCHES AND CORRESPONDENTS:

All over China.

OVERSEAS OFFICES:

London, Singapore, Penang, Kuala Lumpur, Surabaya, Djakarta, Medan, Hongkong, etc.

India—Pakistan—Burma area:

CONTROLLING OFFICE, CALCUTTA.—15, Brabourne Road.

BOMBAY OFFICE.—Warden House, Sir Phirozshah Mehta Road.

KARACHI OFFICE.—Oriental Building, McLeod Road.

CHITTAGONG OFFICE.—Sadarghat Road.

RANGOON OFFICE.—55, Phayre Street.

RANGOON SUB-OFFICE.—55, Latter Street.

BANK OF INDIA, LIMITED

REGISTERED UNDER THE INDIAN COMPANIES ACT VI OF 1882.
(Established 7th September, 1906).

Registered Office.—Mahatma Gandhi Road, Fort, Bombay.

Foreign Branches: Aden, Jinja, Kampala, Karachi, London, Mombasa, Nairobi, Osaka, Singapore, Tokyo.

Branches in India:—

BOMBAY.—Andheri, Bandra, Bullion Exchange, Colaba, Kalbadevi, Malabar Hill.

AHMEDABAD.—Bhadra (Main Office), Ellis Bridge, Gandhi Road, Manek Chowk, Station Branch.

CALCUTTA.—23-B, Netaji Subhas Road (Main Office), Bara Bazar, Chowringhee Square.

Other Branches.—Amritsar, Bhub (Kutch), Colimbato, Gandhidham (Kutch), Hyderabad (Deccan), Jamshedpur, Junagadh, Kozhikode (formerly Calicut), Madras, Nagpur, Nagpur City, New Delhi, Palampur, Poona, Poona City, Rajkot, Sholapur, Surat, Veraval.

CAPITAL SUBSCRIBED	Rs. 5,00,00,000
CAPITAL PAID-UP	2,50,00,000
RESERVE FUND	3,52,00,000

Directors. Sir Cowasjee Jehangir, Baronet, G.B.E., K.C.I.E. (Chairman); Ambalal Sarabhai; Sir Joseph Kay, K.B.E.; Dinsha K. Daji; Ramnivas Ramnarain, Bhagvandas Chundlal Mehta; Krishnaraj M. D. Thackersey and A. D. Shroff. **General Manager**—A. C. Clarke, **Assistant General Managers**—D. R. Thom, R. W. Hoe, S. J. Rustomji, **Chief Accountant**—H. T. Coultas; **Chief Shroff**—B. M. Daruwalla, **Inspectors**—S. R. Bhise, R. S. Balsekar.

Agents—In all the principal countries of the world.

BANK OF JAIPUR, LTD.

(INCORPORATED IN JAIPUR, LIABILITY OF MEMBERS LIMITED).
HEAD OFFICE—Jaipur. **CAPITAL**—AUTHORISED Rs. 2,00,00,000; ISSUED & SUBSCRIBED Rs. 1,00,00,000; PAID-UP Rs. 50,00,000; **RESERVE & OTHER FUNDS** Rs. 11,65,000. **BRANCHES**—Bombay, Madras, Bangalore, Delhi, Calcutta and in other important towns in India and Rajasthan Union. Ramnath Anandlal Podar, J.P., M.L.A. (Chairman); Seth K. L. Jatia (Vice-Chairman).

THE BANK OF MAHARASHTRA, LTD.

REGISTERED OFFICE.—Laxmi Road, Poona 2.

CAPITAL ON 31ST DECEMBER 1953.

AUTHORISED	Rs. 50,00,000
ISSUED AND SUBSCRIBED	32,00,000
PAID-UP	16,00,000
RESERVE AND OTHER FUNDS	6,16,000
TOTAL WORKING FUNDS EXCEED	4,00,00,000

BOARD OF DIRECTORS:

V. P. Varde (Chairman), S. G. Marathe, D. K. Sathe, N. G. Pawar, M. R. Joshi, F. D. Padumjee, M. V. Shah, S. L. Kirloskar and B. M. Gupte.

MANAGER: C. V. Joag, B.Com., C.A.I.B., F.I.B. (Lond.).

BRANCHES:

Local:—(Deccan Gymkhana, Kirkee), Bombay (Fort, Girgaum and Dadar), Kalyan, Jalgaon, Nagpur, Kopergaon, Ratnagiri, Sholapur (Phaltan Gaili & Murarji Peth), Dhulla, Chalisgaon, Nasik, Hubli, Kolhapur, Hyderabad (Dn.), Sangli, Amraoti, Thana and Harthar.

BANK'S SUBSIDIARY:

The Maharashtra Executor & Trustee Co., Ltd.

THE BANK OF MYSORE, LTD.

(Incorporated in Mysore State, Liability of Members is Limited.)

REGISTERED OFFICE.—Bangalore City.

BOMBAY BRANCH.—24-26, Dalai Street.

AUTHORISED CAPITAL	Rs. 1,00,00,000
ISSUED AND SUBSCRIBED	50,00,000
PAID-UP	50,00,000
RESERVE FUND	84,00,000

DIRECTORS.—Tubagere Nanjappa; Rajasevasaktha P. Subbarama Chetty; P. Hanumanthiah; Rajasevaprakashta M. Viraraja Urs; S. M. Ramakrishna Rao; Dharmaprakasa L. S.

Venkaji Rao; Dharmaprakasa Lokasevaniratha; V. R. Chikka-channanajappa Setty; S. Ramanatham; G. V. Rudrappa and D. M. Shankarappa. **General Manager.**—B. V. Narayana Reddy.

BRANCHES.—Arakere; Bombay; Bangarpet; Channapatna; Chickballapur; Chickmagalur; Chickpet (Bangalore City); Chintamani; Chitaldroog; City Branch (Bangalore City); Cochin; Colimbato; Davangere; Fort Branch, Bangalore City; Hassan; Kolar; Krishnarajanagar; Lady Curzon Road Br., Bangalore Cantt.; Madras; Madanapalle; Mandya; Market Sub-Branch, Mysore; Mysore; Oorgaum; Sagar; Saklespur; Shimoga; South Parade Branch (Bangalore Cantt.); Tiptur; Tumkur; Bhadravathi.

THE BANK OF TOKYO, LIMITED

(Successor to The Yokohama Specie Bank Ltd.).

Incorporated in Japan. Liability of Shareholders Limited.

CAPITAL PAID-UP Yen 1,100,000,000.

HEAD OFFICE: Nihonbashi, Chuku, TOKYO (Japan).

BRANCHES.—Over 45 Branches in Japan.

OVERSEAS BRANCHES. London, New York, Hongkong, Karachi, Calcutta and Bombay.

Affiliate.

The Bank of Tokyo of California.

HEAD OFFICE.—SAN FRANCISCO. Branch: LOS ANGELES.

Bombay Branch.

Fort House, 221, Dr. Dadabhai Naoroji Road, Fort, Bombay.

MANAGER.—Mr. S. Kanai

Telegraphic Address: "BANKTOKIO."

Telephone No. 33058.

Calcutta Branch.

No. 5, Clive Row, Calcutta.

MANAGER.—Mr. N. Harada.

Karachi Branch.

Qaimar House, Bunder Road, Karachi 2.

MANAGER: Mr. T. Takahiro.

BOMBAY MERCANTILE, CO-OPERATIVE BANK LIMITED

ESTD. JUNE 1939.

HEAD OFFICE: Mohamedali Road, Bombay 3.

Phone: 33615 and 23158.

AUTHORISED CAPITAL	Rs. 10,00,000
ISSUED, SUBSCRIBED AND PAID-UP	4,60,000
CAPITAL	1,94,000
RESERVE AND OTHER FUNDS	26,80,000
INVESTMENT IN GOVERNMENT AND TRUSTEE	67,10,000
SECURITIES	78,30,000
DEPOSITS	
WORKING CAPITAL	

Annual Turnover Exceeds Ten Crores.

CHAIRMAN:—Khan Bahadur Mohamedally Allabux.

GENERAL MANAGER:—Z. G. Rangoonwalla.

Branches: Jariwalla Building, Null Bazar, Bombay 3. Phone: 73378. 294, Abdulrehman Street, Bombay 3. Phone: 33615 and 23158.

All kinds of Banking Business Transacted.

THE BOMBAY STATE CO-OPERATIVE BANK, LTD.

Established in 1911.

HEAD OFFICE:

9, Bakehouse Lane, Fort, Bombay.

PAID-UP CAPITAL Rs. 60,06,750

(Inclusive of Rs. 28,00,000 subscribed by Bombay State Government).

RESERVE AND OTHER FUNDS EXCEED 57,54,800

WORKING CAPITAL 12,70,27,000

BRANCHES:

67 Branches in 16 Districts and agency arrangements at important towns in Bombay State.

CHAIRMAN, BOARD OF DIRECTORS

Shri R. G. Saraiya, O.B.E.

HON. MANAGING DIRECTOR:

Shri V. P. Varde.

CANARA BANK, LIMITED

(Established in 1906). HEAD OFFICE:—Mangalore, South Kanara. Administrative Offices: Bangalore. CHAIRMAN—A. Damodar Pal, B.A., B.L. GENERAL MANAGER—P. N. Nayak, B.A., B.L., F.I.B. General Manager's Office:—Sir Philozshah Mehta Road, Fort. LOCAL BRANCHES:—1. Fort:—Sir Philozshah Mehta Road. 2. Mandvi:—First Floor, 74-76, Khand Bazar, Kaji Syed Street. 3. Kalladevi:—Angrowadi near Swadeshi Market. 4. Girgaum:—Sri Panth Bhuwan, Charni Road. 5. Bandra:—133-B, Hill Road. Altogether 44 branches in all important commercial centres in the States of Madras, Bombay, Madhya Pradesh, Hyderabad, Mysore, Cochin and Travancore.

CANARA BANKING CORPORATION, LIMITED

(Estd. 1906). HEAD OFFICE:—UDUPI (South Kanara). CAPITAL:—AUTHORISED Rs. 25,00,000; ISSUED, SUBSCRIBED, CALLED AND PAID-UP Rs. 20,00,000; RESERVES Rs. 10,00,000. TOTAL WORKING CAPITAL exceeds Rs. 34 crores on 31-12-1952. BRANCHES—Bombay Office:—Lentin Chambers (Ground Floor), Junction of Dalal and Meadows Street, Fort. Telegrams "BANKING". Phone No. 31677. Other 34 Branches in the States of Madras, Bombay, Mysore, Coorg and Travancore-Cochin. Banking Business of every Description Transacted. GENERAL MANAGER, V. R. Kanuth, B.A., LL.B. AGENT AT BOMBAY:—K. Krishna Rao, M.A., C.A.I.B.

THE CANARA INDUSTRIAL & BANKING SYNDICATE, LIMITED

HEAD OFFICE:—UDUPI (South India).

AUTHORISED CAPITAL Rs. 50,00,000; RESERVES Rs. 12,10,000
SUBSCRIBED CAPITAL Rs. 32,10,987; DEPOSITS Rs. 5 crores;
PAID-UP CAPITAL Rs. 25,31,158. RESOURCES of Rs. 6 crores.

Board of Directors:

Dr. T. Madhava Pal, M.D.B.S., CHAIRMAN AND MANAGING DIRECTOR.

P. P. Rao, B.A., B.L.	K. Guturaja Rao, B.A., B.L.
M. N. Prabhu Siroorkar	B. Padmanabha Pai
V. V. Shanbhag	K. V. M. Kamath
L. H. Prabhu, B.A., LL.B.	A. L. N. Rao, B.A., B.L.

GENERAL MANAGER:—T. A. Pal, B.Com. (Bom.), A.I.B., F.R. Econ. S. (Lond.), M.A.

BOMBAY MANAGER:—K. L. V. Nayak.

BOMBAY OFFICE:—Rahimtoola House, Homji St., Fort.

Branches and Agencies all over India. States of Madras, Andhra, Bombay, Mysore, Travancore-Cochin and Hyderabad.

CENTRAL BANK OF INDIA, LIMITED

(Established 1911).

REGISTERED OFFICE: Mahatma Gandhi Road, Fort, Bombay 1.

AUTHORISED CAPITAL	..	Rs.	0,30,00,000
ISSUED CAPITAL	..	..	5,77,50,000
SUBSCRIBED CAPITAL	..	..	5,76,66,125
PAID-UP CAPITAL	..	..	3,14,54,250
RESERVE & OTHER FUNDS	..	..	3,99,79,612
DEPOSITS AS AT 30-6-1950	..	..	118,19,74,654

MANAGING DIRECTOR:

H. C. Captain, B.A., LL.B., Solicitor, J.P.

MANAGER, BRANCHES:

N. K. Karanjia.

SECRETARY:

F. C. Cooper.

DIRECTORS:

Sir Homi Mody, K.B.E. (Chairman), Dinshaw D. Romer; Bapuji D. Lam; Dharamsey Mulraj Khatau; Cooverji H. Bhabha; Mahomandas M. Amersey; Cursetjee P. Wadia.

LONDON BRANCH:

159, Finchurch Street, London, E.C. 3.

NEW YORK AGENTS:

The Guaranty Trust Co. of New York; The Chase National Bank of the City of New York.

THE CHARTERED BANK OF INDIA, AUSTRALIA AND CHINA

(INCORPORATED IN ENGLAND BY ROYAL CHARTER, 1853).

(Liability of Stockholders Limited).

With which is affiliated the Allahabad Bank, Ltd.

CAPITAL £ 3,500,000
RESERVE FUND £ 4,500,000

HEAD OFFICE:—38, Bishopsgate, London, E.C. 2.

COURT OF DIRECTORS.—Vincent Alpe Grantham (Chairman); James Leslie Milne (Deputy Chairman); Sir Arthur Atkinson Bruce, K.B.E., M.C.; Cecil Robbins Cherry; The Rt. Hon. The Earl of Inchcape; Archibald Orr Lang; Sir John Henry Swain Richardson; Sir Harry Greenfield, C.S.I., C.I.E.; Sir John Tai; Sir Paul Benthall, K.B.E.

CHIEF GENERAL MANAGER.—W. R. Cockburn.

DEPUTY CHIEF GENERAL MANAGER.—H. F. Morford.

JOINT GENERAL MANAGERS.—D. Stewart, L. J. Blanchard and W. G. Pullen.

SECRETARY.—H. E. Faulkner.

WEST END BRANCH.—28, Charles II Street, Haymarket, S.W. 1.

MANCHESTER BRANCH.—52/54, Mosley Street, Manchester 2.

LIVERPOOL BRANCH.—27, Derby House, Exchange Buildings, Liverpool, 2.

NEW YORK AGENCY.—65, Broadway, New York, 6, N.Y., U.S.A.

HAMBURG AGENCY.—Borsenbrücke, 2a, Hamburg II, Germany.

BOMBAY BRANCH.—Mahatma Gandhi Road. Manager.—H. C. MacColl; Sub-Manager.—M. G. Gordon; Accountant.—C. W. Macpherson; Asst. Accountant.—J. G. Churchill; Sub-Accountants.—D. MacGregor; L. D. Walsh; G. W. Will; W. T. Watson; P. A. G. Harris; A. H. Reading; P. Wordsdale; J. A. Williams and G. S. Irving.

TELEGRAPHIC ADDRESS.—"Bungalow." Phone No. 31011 (4 Lines). P. O. Box No. 558.

REPRESENTATIVE OFFICE**THE CHASE NATIONAL BANK OF THE CITY OF NEW YORK**

(Incorporated with limited liability under the National Bank Act of U.S.A.)

CAPITAL \$111,000,000.00; SURPLUS AND UNDIVIDED PROFITS \$271,321,382. HEAD OFFICE.—18, Pine Street, New York 15. MAIN LONDON OFFICE.—6, Lombard St., E.C. 3; WEST END BRANCH.—46, Berkeley Square, W. 1; Other Branches in France (Paris), Germany (Frankfurt/Main), Japan (Tokyo, Osaka), Cuba, Puerto Rico, Panama and Canal Zone. Correspondents throughout the commercial world. Representative Offices at Mexico, D. F., Buenos Aires, Rome, Beyroth and Bombay. BOMBAY REPRESENTATIVE OFFICE—New India Assurance Building, Mahatma Gandhi Road, Post Bag No. 1961. Telephone: 28759. Representative.—Kendall G. Kimberland.

COMPTOIR NATIONAL D'ESCOMPTE DE PARIS

(FRENCH BANK).

(Incorporated in France with limited liability.)

HEAD OFFICE:—14, Rue Bergère, Paris.

LONDON BRANCH.—8/13, King William Street, E.C. 4.

BOMBAY OFFICE.—French Bank Building, 62, Homji Street, Fort.

MANAGER.—M. E. F. D. Minne. Sub-Manager.—E. Pinot; 1st Asst. Managers.—P. Barthe and M. E. Husain. Asst. Managers.—P. K. Badle; J. Lamy and B. M. Mace-Sender. Attorneys.—Y. N. Chawathe; G. W. Kothare and H. N. Dighe. Relations Officer.—A. F. D'Souza.

Phone: 27277-8-9, P.O. Box No. 45, Telegraphic Address: "COMPTONIA."

CALCUTTA OFFICE:—Stephen House, 4A, Dalhousie Square East. Phone: Bank 1383—1384, P.O. Box No. 327, TELEGRAPHIC ADDRESS: "COMPTONIA."

CODE USED.—Private, ABC 6th Edn. Lieber's, Bentley's Complete Phrase and Second Edn., Peterson's 2nd & 3rd Edns., Cogef 1929.

BRANCHES.—Sydney, Melbourne, Alexandria, Cairo, Port Said, Brussels, Diego-Suarez, Farafangana, Fenerive, Flanarantsona, Majunga, Mananjary, Manakara, Morombe, Morondava, Tamatave, Tananarive, Tulcar, Bizerta, Sfax, Sousse, Tunis, Monto Carlo, and over 500 Branches in France.

DAXINI BRAHMAN CO-OPERATIVE BANK LTD.

Jayant Nivas, 163-165, Girgaum Road, Bombay.

Branch Office: Bhagirathi Nivas, N. C. Kelkar Road, Dadar. Membership open to both sexes of the Daxini Brahman community above the age of 18 and residing within the limits of the Bombay Municipality. Authorised Capital Rs. 5,00,000, with powers to increase. Cumulative Deposits restricted to Members but Savings and Current Accounts opened for non-members also. Fixed Deposits received at rates to be ascertained at the Bank's office; Overdraft facilities to members on Gold, Silver, Insurance Policies, Government Securities, Goods, etc. Transacts all kinds of Banking Business. Phone No. 21158.

DEVKARAN NANJEE BANKING CO., LTD.

(Incorporated in Bombay under the Indian Companies Act on 26th May 1938.)

AUTHORISED CAPITAL Rs. 1,00,00,000
ISSUED, SUBSCRIBED AND PAID-UP CAPITAL .. 50,00,000
RESERVE FUNDS 26,00,000

BOARD OF DIRECTORS:—Pranlal Devkaran Nanjee (*Chairman*); Lalitachandra C. D. Nanjee; Prince Udaybhan Yuvaraj Shree of Porbandar; Pirojsha N. Mehta; Natwarlal S. Choksey; M. A. Master, B.A., LL.B., Ratanchand Hirachand, M.A., J.P.; Jayantlal K. Trivedi; Laxmikant S. Dabholkar, J.P.; Harshadral B. Parekh; Rajultra K. S. Mane Patil, C.I.E.

MG. DIRECTOR:—Pravijehandra V. Gandhi, A.I.L.B.**SECRETARY:**—Krishnarao R. Patwardhan, B.A., A.I.L.B.**CHIEF ACCOUNTANT:**—C. V. Subramaniam, M.A., A.I.L.B.

HEAD OFFICE:—Devkaran Nanjee Buildings, Elphinstone Circle, Fort, Bombay. Phone No. 32908 (9 lines). Telegraphic Address: "DENABANK." Post Box No. 41.

LOCAL BRANCHES:—Thakurdwar, Sandhurst Bridge, Kalbadevi, Mandvi, Zaveri Bazar, Bhuleshwar, Dadar, Colaba, Share Bazar, Matunga, Ghatkopar, Andheri, Khar, Santa Cruz and Vile Parle.

UP-COUNTRY BRANCHES:—Ahmedabad, Ahmednagar, Amreli, Anand, Baranatti, Bardoli, Baroda, Bhavnagar, Broach, Bulsar, Buthanpur, Calcutta, Delhi, Dharamghat, Godhra, Jamnagar, Junagadh, Lavanada, Mahuva, Malegaon, Mammad, Morvi, Nadiad, Nasik, Navsari, Putan, Poona, Porbandar, Rajkot, Savarkunda, Sholapur, Sidhpur, Surat, Surendranagar, Virangam, Veraval and Walchandnagar.

FOREIGN AGENTS:—Barclay's Bank Ltd., London and The Chase National Bank of the City of New York, London and New York.

EASTERN BANK, LIMITED

(Incorporated in England, the Liability of Members being limited).

SUBSCRIBED CAPITAL (200,000 Shares of £10 each)—£2,000,000.
PAID-UP CAPITAL—£1,000,000. **RESERVE LIABILITY OF SHAREHOLDERS** £1,000,000. **RESERVE FUND**—£1,300,000. **HEAD OFFICE:**—2 & 3, Crosby Square, London, E.C. 8. **BOMBAY OFFICE:**—Corner of Vir Nariman Street and Hornby Road. **BRANCHES:**—Aden, Amarah, Baghdad, Bahrain, Basrah, Butterworth, Calcutta, Chittagong, Cochín, Colombo, Doha, Karachi, Kirkuk, Kuala Lumpur, Madras, Mosul, Penang, Singapore. **DIRECTORS:**—Sir Evan Meredith Jenkins, G.C.I.E., K.C.S.I. (*Chairman*); Roger Leigh-Wood (*Deputy Chairman*); Sir Thomas Joseph Strangan, G.C.; Anthony Charles Barnes, D.S.O., O.B.E.; Captain Derek Fitzgerald; Arthur Patrick Cameron and N. S. Golder. **BOMBAY OFFICIALS:**—D. Gordon, Manager; R. Parkin, Accountant; J. M. Barker, W. M. Christie, J. H. Jacob and K. P. Moore, Sub-Accountants; K. V. Shanbhag, and S. L. Murdeshwar, Departmental Superintendents. **TELEGRAPHIC ADDRESS:**—"Eastertide." **TELEGRAPHIC CODES IN USE:**—Broomhalla, Bentley's, Lombard, Peterson's International Code (Second and Third Editions), and Bentley's Second Edition. P.O. Box No. 219. Telephone Nos. 32886 and 32887.

FRENCH BANK

(Incorporated in France with Limited Liability).
 See COMPTOIR NATIONAL D'ESCOMPTE DE Paris.

GADODIA BANK LIMITED

HEAD OFFICE: Gadodia Buildings, Kalbadevi Road, Bombay 2. **CENTRAL OFFICE:** Post Box No. 1017, Chandni Chowk, Delhi. **AUTHORISED CAPITAL**—Rs. 20,00,000. **PAID-UP CAPITAL**—Rs. 10,00,000. **Offices:**—Ton. **BOARD OF DIRECTORS:**—Laxminarain Gadodia (*Chairman*); Madanlal Govindlal Pitti; Radhakrishna B. Makharia; Ramgopal Laxminarain Gadodia.

GRINDLAYS BANK LIMITED

(Incorporated in England).

Mint Road, next to Reserve Bank, Bombay.

HEAD OFFICE:—54, Parliament Street, London, S.W.1.**CHAIRMAN:**—The Hon. Donald S. Campbell, M.C.

DIRECTORS:—T. T. K. Allan; Field Marshal Sir Claude J. E. Auchinleck, G.C.B., G.C.I.E., C.S.I., D.S.O., O.B.E.; N. W. Chisholm; T. E. Grant; Sir Trevor J. Matthews; Sir George B. Morton, O.B.E., M.C.

BRANCHES:—Bombay; Church Lane, Calcutta and Brabourne Road, Calcutta; Delhi, New Delhi; Madras; Shimla; Bunder Road, Karachi and Dundas Street, Karachi; Lahore; Peshawar, Quetta; Colombo; Rangoon and Salisbury.

GENERAL MANAGER IN INDIA:—A. Simpson, Bombay.

BOMBAY OFFICE:—Manager, D. D. Watters; Accountant, G. P. Smart.

ASSISTANTS:—V. V. Ayengar; A. N. Chandrasekaran; Edwin A. R. D'Souza; Mrs. P. H. E. Hammond; J. Harvie; A. McNeill; S. H. Mose; H. W. G. Pawson; Miss D. M. Penty; S. Sengupta; P. Shefford; D. W. Spalton, D. Spink, A. O. C. Wilson; K. H. Wilson.

Telephone Nos. 25096, 25097 and 25098.

Post Box No. 93.

Telegraphic Address:—"GRINDLAY" for all Branches except "GRINDRANK" for Brabourne Road, Calcutta and Dundas Street, Karachi.

HABIB BANK LIMITED**HEAD OFFICE:** Karachi.

AUTHORISED CAPITAL Pak. Rs. 2,00,00,000
ISSUED AND SUBSCRIBED CAPITAL 1,00,00,000
PAID-UP CAPITAL 1,00,00,000
RESERVE FUND 1,00,00,000
DEPOSITS as on 31-12-1953 37,27,00,000

PAKISTAN BRANCHES:

KARACHI:—Bombay Bazar, Bunder Road, Central Office, Industrial Trading Estate Branch, Merewether Tower, Napier Road, New Chali, Saddar, Safe Deposit Vault Branch, Shoe Market, SIND:—Dhoronara, Hyderabad, Jacobabad, Khairpur Mrs. Larkana, Mirpurkhas, Nawabshah, Shahdapur, Shikarpur, Sukkur, Tando Adam. **PUNJAB:**—Gujranwala, Jauharabad, Jhelum, Kasur, Khauwal, Lahore (Cantt.), Lahore (Mall), Lahore (Circular Road), Lahore (Shahalam Market), Liaquatabad, Lyallpur, Montgomery, Multan, Okara, Rawalpindi (City), Rawalpindi (Cantt.), Sargodha, Shikot, N.W. FRONTIER:—Bannu, Mardan, Mingora (Swat State), Peshawar. **BALUCHISTAN:**—Harwal, Quetta. **EAST PAKISTAN:**—Chandpur, Chittagong (K. C. DE Road), Chittagong (Khatungau), Dacca (Moulvi Bazar), Dacca (Nawabpur Road), Dacca (Saddar Ghat), Khulna, Narayanganj, Rangpur, Sylhet.

FOREIGN BRANCHES.

Bombay (India), Calcutta (India).

HABIB BANK (OVERSEAS) LTD.**Head Office:** Karachi (Pakistan).**Branches:**—Colombo (Ceylon) and Rangoon (Burma).

All kinds of Banking Business including Foreign Exchange Transacted.

Agents and Correspondents in all the important Cities of the World.

HIND BANK LIMITED

REGISTERED OFFICE:—9, Royal Exchange Place, Calcutta. **BOMBAY BRANCH OFFICE:**—Laxmi Bldg., Sir Phiroosah Mehta Road, Fort, Bombay. **AUTHORISED CAPITAL**—Rs. 2,00,00,000. **ISSUED AND SUBSCRIBED CAPITAL**—Rs. 1,00,00,000. **PAID-UP CAPITAL**—Rs. 50,00,000. **RESERVE FUND**—Rs. 22,00,000. **BOARD OF DIRECTORS:**—K. P. Goenka (*Chairman*); B. L. Jalan; B. Kumar Birla; N. D. Bangur; J. B. Elias; Chimanlal B. Parekh; Jai H. Mehta. **Bombay Manager:**—S. L. Mehta. **Branches:**—Ahmedabad, Ajmer, Burra Bazar (Calcutta), Shyam Bazar (Calcutta), Narayanganj (Dacca) and Jaipur.

THE HONGKONG AND SHANGHAI BANKING CORPORATION

(Incorporated in the Colony of Hong Kong)

The Liability of Members is Limited to the extent and in manner prescribed in Chapter 70 of the Laws of Hong Kong.

HEAD OFFICE.—Hong Kong.

CHIEF MANAGER.—The Hon. Michael W. Turner.

BOMBAY OFFICE.—16, Vir Nariman Road, Fort.

CAPITAL ISSUED AND FULLY PAID-UP .. HK. \$ 20,000,000

RESERVE FUNDS STERLING .. £ 6,000,000

RESERVE LIABILITY OF Members .. HK. \$ 20,000,000

Branches and Correspondents in all parts of the World.

Manager :

J. Wilkie

Accountant :

R. W. Mills.

ASSISTANTS :—R. G. Ouseley, G. N. B. Haynes, T. G. Mead, M. J. Calvert, D. J. R. Smorthwaite, R. B. Moore, I. G. T. Sim, S. S. Nayak, B. P. Dalal, K. A. Major, J. Baptista, P. D'Lima.

Telegraphic Address—"CASSANDRA." Telephone Nos. 22020, 22028, 22029 (3 lines). P.O. Box No. 602.

HYDERABAD STATE BANK

(Constituted under the Hyderabad State Bank Act with Liability of Members Limited).

Head Office.—Hyderabad (Deccan).

AUTHORISED CAPITAL .. (O.S.) Rs. 1,50,00,000

PAID-UP CAPITAL .. Rs. 75,00,000

RESERVE FUND .. Rs. 75,00,000

DEPOSITS as on 30th Sept., 1953 .. Rs. 16,39,27,000

Offers complete Banking service through a network of over 50 of its Offices spread over the Hyderabad State and through its Correspondents elsewhere in India.

Foreign Exchange Business of all types undertaken.

Bombay Offices.—New India Assurance Building, Mahatma Gandhi Road, Fort, 282-270, Narsi Natha Street, Mandvi, Bombay 9 and 20, Hamam Street, Fort, Bombay.

Madras Office.—41, Linghi Chetty Street.

IMPERIAL BANK OF INDIA

BOMBAY LOCAL HEAD OFFICE.—Apollo Street, Bombay.

(Constituted under the Imperial Bank of India Act, 1920.)

AUTHORISED CAPITAL, 2,25,000 shares of Rs. 500 each .. Rs. 11,25,00,000

PAID-UP CAPITAL as on 31st December 1953, 75,000 shares of Rs. 500 each, fully paid .. 3,75,00,000

1,50,000 shares of Rs. 500 each, Rs. 125 paid .. 1,87,50,000

5,62,50,000

RESERVE FUND as on 31st December 1953 .. 6,35,00,000

RESERVE LIABILITY OF SHAREHOLDERS as on 31st December 1953 .. 5,02,50,000

MANAGING DIRECTOR.—S. K. Handoo.

DEPUTY MANAGING DIRECTOR.—T. S. Ragavachary.

LOCAL HEAD OFFICES.—Calcutta, Bombay, Madras.

LONDON OFFICE.—25, Old Broad Street, E.C. 2.

Over 400 Branches and Sub-Offices throughout India, Pakistan, Burma and Ceylon.

INDIAN BANK LIMITED

(ESTD. 1907.)

MADRAS.

OFFICES IN BOMBAY: 1. United India Life Assurance Bldg., Sir Phiroze Shah Mehta Road, Fort. 2. Lakshmayee Napoo Road, Matunga (Central Rly.), Bombay 19. 3. 281/283, Narsi Natha Street, Mandvi, Central Rly., Bombay.

AUTHORISED CAPITAL .. Rs. 1,00,00,000

SUBSCRIBED CAPITAL .. 72,00,000

CALLED & PAID-UP CAPITAL .. 57,80,000

WORKING CAPITAL as on 31st December 1953 .. 21.85 crores

RESERVE FUND .. 76,00,000

With a network of Branches and Sub-Offices in all the important places in the South and New Delhi. Overseas branches at Singapore, Kuala Lumpur, Penang, Malacca and Colombo.

London Agents: Westminster Bank.

New York Agents: National City Bank of New York.

THE INDIAN OVERSEAS BANK, LIMITED

(Incorporated in India).

(Estd. 1937.)

AUTHORISED CAPITAL .. Rs. 1,00,00,000

PAID-UP CAPITAL .. 49,04,925

RESERVES .. 22,50,000

CHAIRMAN:—M. CTM Chidambaram Chettyar.

GENERAL MANAGER:—C. P. Dorakannan.

Branches at:

Bombay, Calcutta, Madras and throughout South India, Colombo, Singapore, Ipoh, Malacca, Penang, Kuala Lumpur, Bangkok and Rangoon.

Agents in all the Principal Commercial Centres of the World:

Every description of Banking business transacted and for those who trade Overseas, The Indian Overseas Bank Ltd., is particularly well equipped to deal with their requirements.

OFFICES AT BOMBAY:—1. Elphinstone Building, Veer Nariman Road, Fort, 2. 92, Kazal Syed Street, Bombay 3.

THE ISMAILIA CO-OPERATIVE BANK LTD.

Registered in 1930.

Ismailia Bank Building, Sandhurst Road East, Bombay 9. Phone No. 71555.

AUTHORISED CAPITAL: Rs. 3,50,000. PAID-UP CAPITAL: Rs. 3,26,000. RESERVE AND OTHER FUNDS: OVER Rs. 5,00,000. SAFE DEPOSIT VAULT.

JODHPUR COMMERCIAL BANK, LTD.

(Incorporated in Jodhpur State: Liability of Members is Limited).

AUTHORISED CAPITAL Rs. 2 crores. SUBSCRIBED CAPITAL Rs. 1 crore. PAID-UP CAPITAL Rs. 50 Lakhs. RESERVE FUND Rs. 7,00,000. CHAIRMAN.—Narayanlal Bansilal. BOARD OF DIRECTORS.—Mukundlal Bansilal, Ramnath Kasturchand Daga, Rai Saheb Goverdhanlal Kabra, Onkarimal Khotan, Rai Saheb Tolaram Saaoji, Sir Bhagchand Soni, Kt., O.B.E. MANAGER.—M. S. Banker, A.I.B. (London). REGISTERED OFFICE:—Jalori Gate, Jodhpur. CENTRAL OFFICE:—207, Kalbadevi Road, Bombay. BRANCHES: MARWAR.—Jalori Gate, Jodhpur; Khejra House, Jodhpur; Tobacco Bazar, Jodhpur; Kuchaman City, Nagaur; Meria City, Pall; Barmer, Bombay.—53, Tamarind Lane, Fort. 207, Kalbadevi Road; 118-122, Kazal Syed Street, Mandvi; Municipal Building, Bhilwandi (Dist. Thana); Jamblil Naka, Thana; Shivaji Chowk, Kalyan. AHMEDABAD.—Maskati Market. CALCUTTA.—P/3, Canning Street.

LLOYDS BANK LIMITED

(Incorporated in England.)

HEAD OFFICE: London, E.C. 3.

EASTERN DEPARTMENT, 34, Threadneedle Street, London, E.C. 2.

AUTHORISED CAPITAL .. £ 74,000,000

SUBSCRIBED CAPITAL .. £ 73,802,076

PAID-UP CAPITAL .. £ 15,810,252

RESERVE FUND .. £ 16,500,000

DEPOSITS, ETC. .. £ 1,204,390,409

BOMBAY:—Lloyds Bank Building, Hornby Road, P.O. Box 48; Telephones: 26621/23 (3 lines); Tel. Add.: "COXIA." Codes: Bentley's Complete and 2nd, Peterson's 1st, 2nd, 3rd and Private. MANAGER: F. D. Hall; ASST. MANAGER: E. H. Cattell; AG. SUB-MANAGER: C. W. Hopkins. 21-29, Princess Street (Sub-Branch to Bombay). Telephones: 30641 and 31391 (2 lines). Tel. Address: "COXIASUB."

MERCANTILE BANK OF INDIA, LIMITED

No. 52-66, Mahatma Gandhi Road.

PAID-UP CAPITAL—£1,060,000.

SUBSCRIBED CAPITAL—£1,800,000. RESERVE FUND—£1,500,000

HEAD OFFICE.—15, Gracechurch Street, London, E.C. 3.

LONDON BANKERS.—The Bank of England & the Midland Bank, Ltd.

Branches and Agencies throughout India and the East.

BOARD OF DIRECTORS:

E. J. Bunbury, M.C.
J. B. Crichton.
R. W. B. Dunlop.
C. A. Innes.
Sir Cyril E. Jones, K.C.I.E.,
C.S.I.
C. D. Miller.
Hon. R. H. Vivian Smith

Sir Kenneth W. Mealing
(Chairman).

Sir John G. Hay *(Deputy*
Chairman).

CHIEF MANAGER—R. N. Drake.

BOMBAY MANAGER.—S. J. Elgar.

SUB-MANAGER.—J. R. H. Beadon.

NATIONAL BANK OF INDIA, LIMITED

Bombay

Incorporated in the United Kingdom.

(Established 1863.)

Bankers to the Government in Kenya, Uganda, Zanzibar and Aden

SUBSCRIBED CAPITAL—£4,562,500.

PAID-UP CAPITAL—£2,281,250.

RESERVE FUND—£3,075,000.

HEAD OFFICE—26, Bishopsgate, London, E.C. 2.

WEST END OFFICE—13, St. James' Square, London, S.W. 1

BRANCHES—Throughout India, Pakistan, Burma, Ceylon, Kenya Colony, Uganda, Tanganyika Territory, Aden, Zanzibar and British Somaliland.

BOARD OF DIRECTORS—J. K. Michie *(Chairman)*, A. N. Stuart, C.B.E. *(Dy. Chairman)*, R. L. Hird, W. G. Tely, Sir Robert Neil Reid, K.C.S.I., K.C.I.E., W. H. Miles, Sir George B. Morton, C.B.E., M.C., E. J. Mackenzie Hay, A. M. McGregor, T. T. K. Allan.

BOMBAY G. R. West, *Manager*; D. G. Moore, *Sub-Manager*; J. H. McVeigh, *Accountant*.

Tel. Address "NATIONAL", P.O. Box No. 141

THE NATIONAL CITY BANK OF NEW YORK

(Incorporated with limited liability under the National Bank Act of U.S.A.)

General Banking and Exchange Business throughout the world.

CAPITAL \$ 150,000,000

SURPLUS & UNDIVIDED PROFITS .. \$ 212,966,329

HEAD OFFICE.—55, Wall Street, New York, with 69 Branches in Greater New York. LONDON OFFICE.—117, Old Broad Street, E. C. 2, London. WEST END BRANCH.—11, Waterloo Place, S. W. 1. Branches in India.—Bombay and Calcutta. Other Branches in Argentina, Brazil, Canal Zone, Chile, Colombia, Cuba, France, Hongkong, Japan, Mexico, Panama, Peru, Philippines, Puerto Rico, Singapore, Uruguay, and Venezuela. Correspondents in every commercially important city in the world.

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CODES USED: Bentley's Complete and Second phrases; Peterson's INTERNATIONAL 3rd Edition; A.B.C. 6th Edition.

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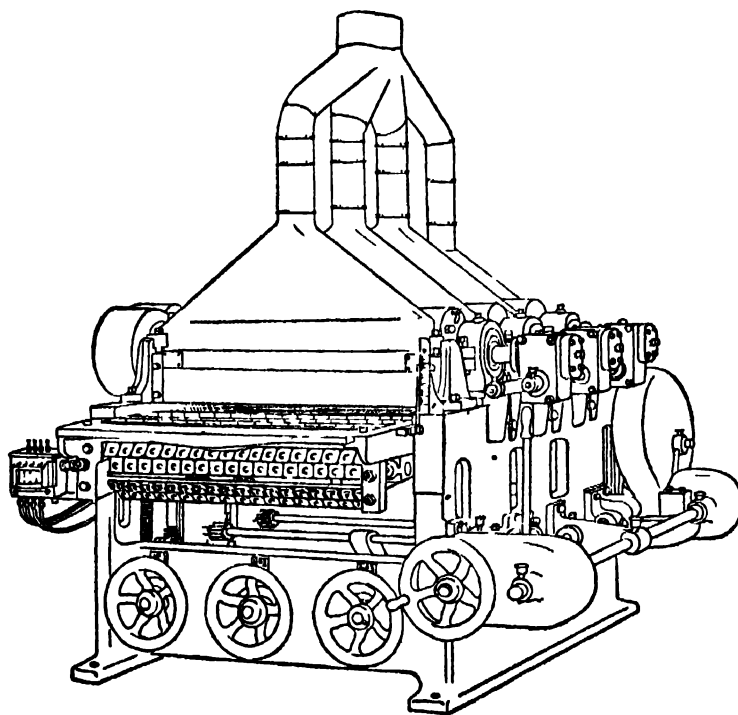
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British Geon Limited, London, England. Manufacturers of PVC resins and compounds. Sole Agents: The Sizing Materials Company Limited, Jeroo Building, 137, Mahatma Gandhi Road, Bombay 1.

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Henry Berry & Co., Ltd., Croydon Works, Hunslet, Leeds 10, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

John Shaw & Sons (Salford) Ltd., Salford-Hydraulic Baling Press. Agents: Gannon Dunkerley & Co. Ltd., Chartered Bank Building, Fort, Bombay.

BALL & ROLLER BEARINGS (MFRS.)

Pollard Bearings Ltd., Tyburn Road, Birmingham, England. Sole Agents: Heatly & Gresham Ltd., 9, Forbes Street, Fort.

Ransome & Marles Bearing Co., Ltd., Newark-on-Trent. 'B & M' Ball and Roller Bearings. Agents: Roberts, McLean & Co., Ltd., Ilaco House, Sir Phiroozshah Mehta Road, Fort.

BATTERIES

Atlas Carbon & Battery Co., Ltd., London S.E. 1. Inert Cells, Laclanche Cells, Dry Cells, etc. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort, Bombay.

Tudor Accumulator Co., Ltd., Storage Batteries. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

BATTERY ACCESSORIES

Legg (Industries) Ltd., Wolverhampton, England. Battery Chargers, Rectifiers and Battery Testers, etc. Agents: Eastern Electric and Engineering Co., 127, Mahatma Gandhi Road, Fort.

Mueller Electric Co., Cleveland. Battery Charging Clips. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort, Bombay.

Mueller Electric Co., Cleveland 14, Ohio, U.S.A. Battery Charging Clips. Agents: Eastern Electric & Eng. Co., 127, Mahatma Gandhi Road, Fort.

BEER AND STOUT

Beck & Co., Bremen. Brewers. Sole Distributors: Spencer & Co. Ltd., Spencer's Building, Forjett Street, Bombay 26.

Tennent, J. & R., Ltd., Glasgow. Brewers. Sole Distributors: Spencer & Co., Ltd., Spencer's Building, Forjett Street, Bombay 26.

BELTING EQUIPMENT

Dusseck Bros. & Co. Ltd., England. Belting, Belt Dressing. Agents: Roberts McLean & Co. Ltd., Ilaco House, Sir Phiroozshah Mehta Road.

Greengate & Irwell Rubber Co., Ltd., Ordsall Lane, Salford, 5, Manchester. Rubber and Conveyor Beltings. Agents: Roberts, McLean & Co., Ltd., Ilaco House, Sir Phiroozshah Mehta Road.

Isaac Jackson & Co. Ltd., Glasgow. Belt Fasteners, "Samson" Brand Steel Belt Lacing. Agents: Gannon Dunkerley & Co. Ltd., Chartered Bank Building, Fort, Bombay.

Lewis & Tylor, Ltd., Cardiff. Gripoly Belting and Hose. Agents: Richardson & Cruddas, Ltd., Byculla.

Masterbar Belt Fastener Company, Limited, Marfleet, Hull, England. Manufacturers of Masterbar Patent Belt Fasteners, Tools, Accessories and Rawhide Pins. Agents: The Sizing Materials Co., Ltd., Jeroo Building, 137, Mahatma Gandhi Road.

Rosendale Belting Co., Ltd., Dudley Hill, Bradford. Hair Beltings. Representatives: Roberts, McLean & Co., Ltd., Ilaco House, Sir Phiroozshah Mehta Road.

BELTING (TEXTILE) MANUFACTURERS

BARROW, HEPBURN & GALE LTD., Mitcham, Surrey, England. Leather Belting & Conveyor Belting. Sole Agents: Kilburn & Co., Ltd., P.O. Box 565, Bombay. Phone: 31908.

Beltfasteners Ltd., London. 'Stratford' Steel Belt Lacing. Representatives: Roberts, McLean & Co., Ltd., Ilaco House, Sir Phiroozshah Mehta Road, Bombay.

British Belting & Asbestos Ltd., Southwark, London. Scandinavia, M.C.M. Cotton Belting, Saturn Hair Belting, Mixtex and Halo Broke Lining and Clutch Rings, etc. Agents: Balmer Lawrie & Co. Ltd., 5, Graham Road, Ballard Estate.

Fenner, J. H., & Co., Ltd., Colne, Lancs. Leather & Woven Belting. Ram Leathers. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Gandy Belt Manufacturing Co., Ltd., Seacombe (Cheshire). Leather Belting and Belting Accessories. Sole Importers: Volkart Brothers, Ballard Estate.

Gates Rubber Company, The, Denver Colorado, U.S.A. Cone Belts, Evener Belts & Card Bands. Representatives: W. H. Brady & Co., Ltd., 12-14, Churchgate Street, Fort.

Henry F. Cockill & Sons, Ltd., Marfleet, Hull, England. Power Transmission Engineers and Specialists in all leather accessories for the textile industry. Trade Marks: "Cleckta", "Stretchless", "Lancashire Special", and "Lancashire Standard". Agents: The Sizing Materials Company, Ltd., Jeroo Building, 137, Mahatma Gandhi Road, Bombay 1.

John Ormerod & Sons Ltd., England. Agents: Altex Ltd., 147, Mahatma Gandhi Road, Fort.

Maxa, Limited, 43 & 45, Cannon Street, London, E. C. 4. "Maxa" Belt Dressing and Preservative. Agents: J. D. Jones & Co. (Bombay), Ltd., Rustom Building, Churchgate Street, Fort.

Rosendale Belting Co., Ltd., Dudley Hill. Bradford Hair Beltings. Representatives: Roberts, McLean & Co. Ltd., Ilaco House, Sir Phiroozshah Mehta Road.

Small & Parks Ltd., Manchester. Roko Hair Belting & Spindle Tape. Sole Representatives: W. H. Brady & Co., Ltd., 12-14, Churchgate Street.

BEVEL GEAR MACHINES

Gleason Works, The, 1000, University Ave., Rochester 3, N. Y., U.S.A. Bevel Gear generating equipment. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

BISCUIT MANUFACTURERS

Francis Lemann Ltd., Strand, England. Biscuit Manufacturers. Representatives: T. Byramji & Co., Central Bank Building, Fort.

Huntley & Palmers Ltd., Biscuit Manufacturers, Reading. Sole Distributors: Spencer & Co., Ltd., Spencer's Building, Forjett Street, Bombay 26.

BITUMINOUS PRODUCTS

Briggs Wm. & Sons, Ltd., Dundee. Bituminous Products. Agents: Shaw Wallace & Co., Ltd., 3, Wittet Road, Ballard Estate, Fort.

BLADES AND FRAMES

Neill, James & Co. (Sheffield) Ltd., Sheffield. Manufacturers of Hacksaw Blades and Frames. Main Stockists: Shaw Wallace & Co., Ltd., 3, Wittet Road, Ballard Estate, Fort.

BOARDS

A. AELSTROM OSAKEYHTIO, P. O. Box No. 329, Helsinki (Finland). Representatives: James Finlay & Co., Limited, P.O. Box No. 73, Bombay 1.

Masonite Corporation, Chicago 2, Illinois, U.S.A. (Fibre Boards). Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

BOBBINS MANUFACTURERS

Dixon, John & Son Ltd., Steeton, Yorks. Bobbins for Cotton, Wool, Silk & Jute. Sole Concessionaires: Greaves Cotton & Co. Ltd., 1, Forbes Street, Fort.

John Howe & Sons Ltd., Dundee. Agents: Roberts, McLean & Co., Ltd., Ilaco House, Sir Phiroozshah Mehta Road.

Jones Textillties, Export Co., Limited, Blackburn, England. Manufacturers of Hoads, Reeds, Bobbins, and all Loom Sundries. Managers: The Sizing Materials Co., Ltd., Jeroo Building, 137, Mahatma Gandhi Road, Bombay 1.

Kirk & Co. (Blackburn), Ltd., England. Principal Distributors: Altex Ltd., 147, Mahatma Gandhi Road, Fort.

Wilson Bros. Bobbin Co., Ltd., Bobbins, Shuttles, etc. Representatives: W. H. Brady & Co., Ltd., Royal Insurance Buildings, Churchgate Street.

BOILER ACCESSORIES

Baines & Co., Ltd., W.N., Phoenix Brass Works, Rotherham, England. Sole Agents: Heintley & Gresham Ltd., 9, Forbes Street, Bombay.

DEWRANCE & CO., LTD., 165, Great Dover Street, London S.E. 1. Steam Valves, Steam Traps and Boiler Mountings. Sole Agents: Kilburn & Co., Ltd., P.O. Box 565, Bombay. Phone: 31908.

Shaw Son & Greenhalgh Ltd., Huddersfield. Steam Valves, Cocks and Boiler Fittings. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

Clyde Blowers, Ltd., Livingston Street, Clydebank, near Glasgow C. 2. Sole Agents: Heintley & Gresham, Ltd., 9, Forbes Street, Fort.

Dermatine Company, Ltd., 93-95, Neate Street, London, S.E. 5. Agents: Heintley & Gresham, Ltd., 9, Forbes Street.

Everlasting Valve Co. (Great Britain) Ltd., 125, Balham High Road, London, S.W. 12, England. Agents: Heintley & Gresham Ltd., 9, Forbes Street, Fort.

BOILER HOUSE & CIVIL ENG. RECORDERS

British Pitometer Co., Ltd. London. Agents: Glenfield & Kennedy, Ltd., 198, Jamshedji Tata Road, Fort, Bombay 1.

Glenfield & Kennedy, Ltd., Kilmarnock. Meters for Boiler Feed. Agents: Glenfield & Kennedy, Ltd., 198, Jamshedji Tata Road, Fort, Bombay 1.

BOILER MANUFACTURERS

Clarke Chapman & Co., Ltd., Gateshead-on-Tyne. Water Tube Boilers, Captains Winches, etc. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Combustion Engineering Superheater, Inc., 200, Madison Avenue, New York. Manufacturers of Steam Generating and Fuel Burning Equipment. Agents: J. Stone & Co. (India) Ltd., Yaffa Building, Goa Street, Ballard Estate.

Cradley Boiler Co. Ltd., Nr. Birmingham. Makers of Vertical Steam Boilers. Agents: Richardson & Cruddas, Ltd., Byculla.

Lumbys, Ltd., London. Hot Water Boiler, etc. Agents: Richardson & Cruddas, Ltd., Byculla.

Penman & Co., Ltd., Caledonian Iron Works, Glasgow. S. E. Lancashire & Cornish Boilers. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Ruston & Hornsby Ltd., Lincoln. Vertical Cross Tube and Vertical and Horizontal "Thermax" Boiler. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

BOILER PRESERVATIVES AND COMPOSITIONS

British Boiler Cleaning & Enamelling Co. "Lianghrod" Boiler Composition. Agents: Hardcastle, Wand & Co., Ltd., Alice Buildings, Hornby Road, Fort, Bombay.

Clenso Ltd., 75, Victoria Street, London, S.W. 1. Patent Scale Remover and Boiler Water Purifiers. Agents: Roberts, McLean & Co., Ltd., Ilaco House, Sir Phirozshah Mehta Road.

Houseman & Thompson Ltd., New Castle-upon-Tyne. "D.M." Boiler Solution. Agents: Balmer Lawrie & Co. Ltd., 5, Graham Road, Ballard Estate.

BOILER SCALE PREVENTIVE AND COMPOSITIONS

Houseman & Thompson Ltd., Newcastle-upon-Tyne. "D.M." Boiler Solution. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

BOILERS AND BOILER ACCESSORIES

Crane Ltd., London. Valves & Boiler Fittings. Sole Agents: Gannon Dunkerley & Co. Ltd., Chartered Bank Building, Fort, Bombay.

Farrar Boilerworks Ltd., Newark-on-Trent. Vertical Boilers. Fishmeal & Oil Plants. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

Goodbrand & Co. Ltd., Stalybridge. Testing Machinery (Agents). Boiler Fuel Economisers. Sole Agents: Gannon Dunkerley & Co. Ltd., Chartered Bank Building, Fort, Bombay.

Scott & Co., London. "Stopskal" Boiler Compound. Agents: Richardson & Crudas, Ltd., Dyculla.

Versil Ltd., Rayner Mills, Liversedge, Yorks. Sole Agents: Healey & Gresham Ltd., 9, Forbes Street, Fort.

BOLTS, NUTS & SCREWS

Joseph Fitter Ltd., 26, Sherlock Street, Birmingham, 5. Agents: Soho House, Lohar Street.

BOOKS PUBLISHERS

American University Presses, Harvard, Yale, Columbia, Princeton, North Carolina, Johns Hopkins, Michigan, Cornell, Stanford, Pennsylvania, Minnesota, New York. Agents: Oxford University Press, Post Box 31, Bombay.

Ginn & Co., Ltd., 7, Queen's Square, London, W.C. 1. For the *Beacon Readers, English Work Books and English Today*. Agents: Oxford University Press, Post Box No. 31, Bombay.

Harrap & Co., Ltd., George G., 182, High Holborn, London W.C. 1. Publishers. Agents: Oxford University Press, Post Box No. 31, Bombay.

Murray Hill Books, Inc., New York. Radio Technical Books and Publications of Mr. Alfred A. Ghirardi. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort, Bombay.

University Tutorial Press, Ltd., Clifton House, Euston Road, London, N.W.1. Publishers. Agents: Oxford University Press, Post Box No. 31, Bombay.

BRASS FOUNDRY

Harrison (Birmingham) Ltd., Bradford Street Works, Birmingham, 12. Agents: Soho House, Lohar Street.

BRUSH MANUFACTURERS

Addis Ltd., "Wisdom" Nylon Toothbrushes and other Toilet Brushes. Sole Agents: J. L. Morrison Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Coates Brushes Ltd., The, England. Tooth, Nail & Hair-Brushes. Agents: T. Byramji & Co., Central Bank Building, Fort.

H.L. Sterkel A.G., Ravensburg, W. Germany. Brushes of any kind. Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

BRUSHES

Schnak & Ebe G. M. B. H. Gibssen (W. Germany) Carbon brushes. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

BUILDERS' REQUISITES

Bayliss, Jones & Bayliss Ltd., London. Ornamental Gates, Fencing, etc. Agents: Shaw Wallace & Co., Ltd., 3, Wiltet Road, Ballard Estate.

Cassera & Co., Ltd., Newark-on-Trent, England. Sole Agents: Healey & Gresham Ltd., 9, Forbes Street, Fort.

BUILDING & CONSTRUCTION MACHINERY

Boydell & Co. Ltd., E. Manchester (Muir-Hill Dumpers). Agents for Western India: Killick Nixon & Co. Ltd., Killick Building, Home Street, Fort.

Cheerol Processes Ltd., 644, Oxford Road, Reading, Berks. Agents: Mousell & Co., Ltd., Lotus House, Marine Lines, Bombay.

Christopher & Sons Ltd. J., London (Holists & Winches). Sole Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

Florentini & Co., Ing. F., Italy (Excavation). Agents: Killick Nixon & Co. Ltd., Killick Building, Home Street, Fort.

Johson (Machinery) Ltd., C. H., England. Sole Agents: Killick Nixon & Co. Ltd., Killick Building, Home Street, Fort.

BUILDING MATERIAL

HOLOPLAST LTD., England. Moleplast Linings, Panels Extrusions "CHE-QUERPLAST." Selling Agents: I.C.I. (India), Ltd., Post Box No. 310, Bombay 1.

I.C.I. LTD., England. Metals Division (Non-ferrous Metals, Pipe Fittings, Aluminium Sheets, plates and corrugated). Plastics Division: Corrugated "Perspex", "Alkathene" Piping. Selling Agents: I.C.I. (India) Ltd., Post Box No. 310, Bombay 1.

Mills Scaffold Co. Ltd., London. Steel and Aluminium Alloy Tubular Scaffolding & Fittings. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

Twistell Reinforcement Ltd., Shethwick Steel Reinforcement Fabric. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

CABLES

Aktiebolaget Lilljeholmens Kabelfabrik, Stockholm. Manufacturers of Cables, Wiring and Static Condensers. Representatives: Asea Electric Ltd., Yaffi Building, Goa Street, Ballard Estate.

Cables and Plastics, Ltd., Plastic Cables. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

Griffin Woodhouse Chain Cables Ltd., Chains and Cables. Agents: John Fleming & Co. Ltd., Bastion Road, Fort, Bombay.

SCOTTISH CABLES LIMITED, Deanside, Renfrew, Scotland. Power Cables. Representatives: James Finlay & Co., Limited, P.O. Box No. 73, Bombay 1.

CAMERAS

Dangelmaier & Co., Reutlingen, Germany. Boxtype Cameras. Agents: T. Byramji & Co., Central Bank Building, Fort.

CANNED & BOTTLED PROVISIONS

Fabrique de Conserve de Rorschach S. A., Rorschach, Switzerland. (Roco Canned & Bottled Provisions). Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

Marmite Food Extract Co., Ltd., "Marmite." Sole Agents: J. L. Morrison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

CANNING EQUIPMENT MFRS.

A. K. Robins & Co., Inc., U.S.A. Agents for India: Gladwyn & Co., 251, Hornby Road, Fort.

Chisholm-Ryder Co., Inc., U.S.A. Agents for India: Gladwyn & Co., 251, Hornby Road, Fort.

Consolidated Siphon Supply Co., Inc., U.S.A. Agents for India: Gladwyn & Co., 251, Hornby Road, Fort.

Dawson Bros., Ltd., England. Can Washing Machines. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort, Bombay.

F. H. Langenkamp Co. (U.S.A.). Agents for India: Gladwyn & Co., 251, Hornby Road, Fort.

CANVAS TWINE AND HOSE

Boase Spinning Co., Ltd. (The), Dundee. Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

Tanner Bros. (Greenfield) Ltd., Greenfield, Near Oldham. Agents: Soho House, Lohar Street.

CARD CANS (MFRS.)

Stowace Fibre & Can Co., Ltd., Manchester 9. Fibre and Steel Card Cans. Agents: Roberts, McLean & Co., Ltd., Ilaco House, Sir Phirozshah Mehta Road, Fort.

CARRIAGE TYRE CHANNELS

Pritt & Co., Ltd., 11-12, St. Swithin's Lane, London, E.C. 4. Agents: Soho House, Lohar Street.

CASE HARDENING COMPOUND

IMPERIAL CHEMICAL INDUSTRIES LTD., General Chemicals Division, England. "Cassel" brand Case Hardening Salts and Compounds. Agents in India: I.C.I. (India) Ltd., Post Box No. 310, Bombay 1.

Piffin Limited, Exhibition Grounds, Wembley, Middlesex, England. Sole Agents: Heatly & Gresham, Ltd., 9, Forbes Street, Fort.

CASTING MANUFACTURERS

Les Fonderies Magotteaux Limited, Belgium. Grinding Bodies, Manganese Steel and Cast Steel Castings and Hardinge Ball Mills for Ore Crushing, Cement and Mining Industries. Contact: Ratansi Morarji Limited, Prospect Chambers, 317/21, Hornby Road Bombay.

CEMENT WATERPROOFER

Metarock Ltd., London. "Metarock" Metallic Concrete Hardener and Waterproofer. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

CEMENT & CONCRETE

Cement Marketing Co., Ltd., London. Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

Cement Marketing Co., Ltd., London. Manufacturers of 'Hand' Brand Portland Cement and Impermo' Cement Waterproofing Compound. Agents: The Anglo-Thal Corporation Ltd., Ewart House, Bruce Street.

"CEMENTA", The Swedish Cement Sales Corporation, Malmo (Sweden). Manufacturers of Portland cement. Representatives: M. Daldas & Sons, 190, Princess Street, Bombay 2. Phone No. 30124.

CHRISTIANIA PORTLAND CEMENT-FABRIK. Oslo (Norway). Manufacturers of "LION" Brand Portland Cement Representatives: M. Daldas & Sons, 190, Princess Street, Bombay 2. Phone: 30124.

DALEN PORTLAND CEMENT, Brevik (Norway). Manufacturers of "DALEN" Brand Portland Cement Representatives: M. Daldas & Sons, 190, Princess Street, Bombay 2. Phone: 30124.

DANSK CEMENT CENTRAL LTD., Copenhagen (Denmark). Manufacturers of "POLAR BEAR" White Cement; "LION" Colorcement & "CEMPEXO" Cement Paint, etc. Sole Agents: M. Daldas & Sons, 190, Princess Street, Bombay 2. Phone: 30124.

Keystone Refractories Co., "Dura-Stix" Firebrick Cement. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Mouchel & Partners, L. G., Ltd., London. Water Cooling Towers. Agents in India: J. C. Gammon, Ltd., Hamilton House, Ballard Estate.

Prestressed Concrete Co., Ltd., London. Patented—Prestressed Concrete. Agents in India: J. C. Gammon, Ltd., Hamilton House, Ballard Estate.

CEMENT AND CONCRETE MACHINERY

Winget Limited, Concrete Machinery. Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

CEMENT PRODUCTS

Smooth-on-Manufacturing Co., Jersey City (U.S.A.). Smooth-on-Cement for Iron, Steel and Aluminium. Stockists: Robert McLean & Co., Ltd., Ilaco House, Sir Phirozshah Mehta Road, Fort.

CERAMIC KILNS & MATERIALS

Applied Heat Co., Ltd., The, England. Agents in India: Indian Wild-Barfield Co., Ltd., Lotus Trust Buildings, Hornby Vellard, Bombay 8.

Blythe Colour Works Limited, England. General Agents in India: Indian Wild-Barfield Co., Ltd., Lotus Trust Buildings, Hornby Vellard, Bombay 8.

CHAIN BELTS AND CONVEYORS

J. Collis & Sons Ltd., London. Sole Agents: Killick Nixon & Co. Ltd., Killick Building, Home Street, Fort.

Job Wheway & Sons Ltd., Walsall. Chains up to 1/2" Link, etc. Agents in India: Armstrong Smith Ltd., Graham Assurance House, Sir Phirozshah Mehta Road, Fort.

Reethof-Fischmann Corp., New York, U.S.A. Representatives: Roberts McLean & Co., Ltd., Sir Phirozshah Mehta Road, Fort.

Teleflex—Products Ltd., London. Sole Agents: Killick Nixon & Co. Ltd., Killick Building, Home Street, Fort.

CHAIN LINKS AND DRIVES

Ewart Chainbelt Co., Colombo Street, Derby, England. Chains & Chain Links. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

Whitney Chain Co., Hartford (U.S.A.). Sole Agents in India: Excellent Engineering Co., Botawala Building, Elphinstone Circle, Fort.

CHEMICAL MANUFACTURERS

British Industrial Solvents, Ltd., 4, Cavendish Square, London, W.1. Manufacturers of Organic Solvents for Paint, Lacquer and Allied Trades. Sole Agents: The Sizing Materials Co., Ltd., Jerro Building, 137, Mahatma Gandhi Road, Fort, Bombay 1.

Distillation Products Industries, Division of Eastman Kodak Co., Rochester 3, N.Y., U.S.A. Sole Agents: Raj-Der-Kar & Co., Commissariat Building, Hornby Road, Fort.

HARDMAN & HOLDEN LTD., Manchester, England. Manufacturers of "Manox" Sodium Hydrosulphite. Sole Suppliers in India: Ciba Dyes Ltd., Jehangir Building, Mahatma Gandhi Road, Fort, Bombay 1. Phone Nos. 36846 and 36847. Tel. Address: "CIBA". Post Box No. 479. Codes used: Universal Trade, Bentley's Second Phrase and Private.

Howards of Ilford Ltd., Ilford, near London. Manufacturers of Pharmaceutical Chemicals, Quinine preparations and Solvents. Agents: The Anglo-Thal Corporation Ltd., Ewart House, Bruce Street.

IMPERIAL CHEMICAL INDUSTRIES (INDIA) LTD., Post Box No. 310 Bombay 1. For details please see under the heading "CHEMICALS".

JOHNSONS OF HENDON LTD., Hendon Way, London, England. Scales Brand Photographic & Process Chemicals. Agents: Allied Photographics Ltd., Kasturi Bldg., Jamsheedji Tata Road, Bombay 1.

ROHM & HAAS CO., Philadelphia, U.S.A. Sole Representatives in India: Amritlal & Co. Ltd., 11, Sprott Road, Ballard Estate, Fort, Bombay.

Wm. Blythe & Co., Ltd., Church, Lancashire, England. Manufacturers of Zinc Chloride, Epsom and Glaubers, Salts, etc., etc. Sole Agents: The Sizing Materials Co., Ltd., Jerro Building, 137, Mahatma Gandhi Road, Fort, Bombay 1.

CHEMICALS

Alroco Export Corporation, 33, West 2nd Street, New York, N.Y., U.S.A. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

ALBRIGHT & WILSON LTD., Oldbury. Amorphous Phosphorus, Phosphoric Acid, etc. Selling Agents in India: Imperial Chemical Industries (India) Ltd., Imperial Chemical House, Ballard Estate.

ALGINATE INDUSTRIES LTD., London. Selling Agents in India: Imperial Chemical Industries (India) Ltd., Imperial Chemical House, Ballard Estate.

ALUMINA CO., LTD., THE, Widnes. (Sulphate of Alumina). Selling Agents in India: Imperial Chemical Industries (India) Ltd., Imperial Chemical House, Ballard Estate.

BOOTS PURE DRUG CO., LTD., Nottingham. (Saccharin). Selling Agents in India: Imperial Chemical Industries (India) Ltd., Imperial Chemical House, Ballard Estate.

BORAX CONSOLIDATED LTD., London. Selling Agents in India: Imperial Chemical Industries (India) Ltd., Imperial Chemical House, Ballard Estate.

BRITISH DYEWOOD CO., LTD., Glasgow. Selling Agents in India: Imperial Chemical Industries (India) Ltd., Imperial Chemical House, Ballard Estate.

BRITISH GLUES & CHEMICALS LTD., London. Selling Agents in India: Imperial Chemical Industries (India) Ltd., Imperial Chemical House, Ballard Estate, Fort.

BRITISH SULPHATE OF COPPER ASSOCIATION, LTD., London. Selling Agents in India: Imperial Chemical Industries (India) Ltd., Imperial Chemical House, Ballard Estate.

BROTHERTON & CO., LTD., Leeds. Selling Agents (for Formosul & Hydros) in India: Imperial Chemical Industries (India) Ltd., Imperial Chemical House, Ballard Estate.

CHEMICALS & INSULATING CO., LTD., (THE), Darlington. Selling Agents in India, Burma and Ceylon: Imperial Chemical Industries (India) Ltd., Imperial Chemical House, Ballard Estate.

Ciech, Ul. Jasna, 10 Warszawa, Poland. Sole Agents for India: Chemidye Trading Co., Ltd., Kamer Building, Cawasji Patel Street, Fort.

DAIRY PRODUCTS LTD., New Zealand. (Lactose). Selling Agents in India: Imperial Chemical Industries (India) Ltd., Imperial Chemical House, Ballard Estate.

EARNSHAW LTD., Selling Agents in India: Imperial Chemical Industries (India) Ltd., Ballard Estate.

Economic Utilities Ltd., Westcombe House, 56/58, Whitcomb Street, London, W.C. 2. Agents: Associated Agencies (Bombay), 47, Podar Chambers, Parsee Bazar Street, Fort.

ELDORADO MINING & REFINING (1944) LTD., Canada. Selling Agents in India: Imperial Chemical Industries (India) Ltd., Imperial Chemical House, Ballard Estate.

Ferro Metal & Chemical Corp. Ltd., 80, Coleman Street, London, E.C. 2. Agents: Associated Agencies (Bombay), 47, Podar Chambers, Parsee Bazar Street, Fort.

FULLERS EARTH UNION LTD., Surrey. Selling Agents in India: Imperial Chemical Industries (India) Ltd., Imperial Chemical House, Ballard Estate.

Heroules Powder Co., Inc., Wilmington, Delaware, U.S.A. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Houghton, E. F., & Co., Philadelphia. Houghton's Heat Treatment Specialities. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Industrial Tartarica Valenciana, S.A., Valencia, Spain. Tartaric Acid. Distributors: F. Bock & Co., Shale Building, Bank Street, Fort.

Industrias Químicas Y. Tartaricas S.A., Gerona, Spain. Tartaric & Citric Acid. Distributors: F. Bock & Co., Shale Building, Bank Street, Fort.

JOHN & E. STURGE LTD., Selling Agents in India: Imperial Chemical Industries (India) Ltd., Ballard Estate.

K. D. Feddersen & Co., "Elbhorf", Steinhof 9, Hamburg 11, Germany. Fine, Heavy, Industrial and Pharmaceuticals Chemicals. Distributors: F. Bock & Co., Shale Building, Bank Street, Fort, Bombay 1.

LAPORTE, CHEMICAL, LTD., Luton, Bedfordshire. Selling Agents in India: Imperial Chemical Industries (India) Ltd., Imperial Chemical House.

MAGADI SODA CO., LTD. (THE), Mombasa. Selling Agents in India: Imperial Chemical Industries (India) Ltd., Imperial Chemical House, Dougall Road, Ballard Estate.

M. W. Hardy & Co., Ltd., London. Chemicals, Pharmaceuticals, Dyes. Distributors: F. Bock & Co., Shale Building, Bank Street, Fort.

N. V. Central Potash Refinery, Post Box 22, Bergen, op. Zoom, Holland. Agents: Associated Agencies (Bombay), 47, Podar Chambers, Parsi Bazar Street, Fort, Bombay.

SVENSKA CELLULOSE AKTIEBOLAGET, Sweden. Selling Agents in India: Imperial Chemical Industries (India) Ltd., Ballard Estate.

SVENSKA TANDSTICKS AKTIEBOLAGET, Sweden. (Chlorate of Potash). Selling Agents in India: Imperial Chemical Industries (India) Ltd., Imperial Chemical House, Ballard Estate.

THORIUM LIMITED, London. (Thorium Nitrate). Selling Agents in India: Imperial Chemical Industries (India) Ltd., Imperial Chemical House, Ballard Estate.

Washington Chemical Co., Ltd., Durham, England. Sole Agents in India: W. H. Deeth & Co., Wavell House, Graham Road, Ballard Estate.

CHEMICALS & RAW MATERIALS

Montecatini, Milan, Italy: Chemicals, Minerals and Pigments for every industry. Contact: Ratansi Morarji Limited, Prospect Chambers, 317/21, Hornby Road, Bombay.

CHEMICALS (TEXTILES)

IMPERIAL CHEMICAL INDUSTRIES (INDIA) LTD., Ballard Estate, Imperial Chemical House, Bombay. Importers of all Chemicals. For details please see under "CHEMICALS" heading.

Chemapol Ltd., Panska 9, Prague II, Czechoslovakia. Sole Agents for India: Chemidye Trading Co., Ltd., Kamer Building, Cawaji Patel Street, Fort.

CHEMISTS MANUFACTURING

Stafford, Allen & Sons, Ltd., London. Manufacturing Chemists, Distillers of Essential Oils, Manufacturers of Aromatic Chemicals, Soap and Perfume Compounds, and Insecticides. Agents: The Anglo-Thai Corporation, Ltd., Ewart House, Bruce Street.

CHINA CLAY

English China Clay Sales Company, Ltd., St. Austell, Cornwall, England. Producers of high grade English China Clays. Trade Marks: "Blue Cross", "Blyco", "Hytra", "Simco" and "Superfine 25" Brands. Sole Agents: The Sizing Materials Co., Ltd., Jerro Building, 137, Mahatma Gandhi Road, Bombay 1.

CHRISTMAS & GREETING CARDS

A. M. DAVIS & CO. LTD., Manufacturers of quality cards, Shepherdess Walk, London, N.I. Sole Agents for India and Ceylon: L. R. Trading Co., Navsari Chambers, opp. Lloyds Bank, Fort, P.O. Box 72.

Masterpiece Studios, Chicago. Sole Agents: Nair Aggarwal Ltd., National House, Tulloch Road, Apollo Bunder.

CINEMA PROJECTORS AND EQUIPMENT

Andrew Smith Harkness Ltd., 96-100 Kensal Road, London, W. 10 (England). Manufacturers of "Westone" 35 MM and 16 MM Cinema screens. Agents: Photophone Equipments Ltd., 9 Marine Lines.

National Theatre Supply Export, 92 Gold Street, New York (U.S.A.). Distributors for Simplex Cinema Projectors, Peerless Magnarc Arc lamps, Transverters, Rectifiers and accessories for showing 3-D films. Agents: Photophone Equipments Ltd., 9 Marine Lines.

Radio Corporation of America, RCA International Division RCA Building, 30 Rockefeller Plaza, New York (U.S.A.). Motion Picture Theatre Equipment, Film Recording Equipment, 3-D Equipment, 16 MM Projectors, both optical and magnetic, Commercial Sound Systems, Electron tubes, tape recorders, etc. Agents: Photophone Equipments Ltd., 9 Marine Lines.

Robert Rigby Ltd., Premier Works, Northampton Street, London, W.C.1. Manufacturers: "Premier" arc slide lanterns, splitters, rewinders and practically all accessories for the projection booth. Agents: Photophone Equipments Ltd., 9 Marine Lines.

Union Carbide International Company, New York (U.S.A.). "National" Cinema Carbons. Distributors: Photophone Equipments Ltd., 9 Marine Lines.

W. J. Furze Ltd., Traffic Street, Nottingham (England). Manufacturers: Automatic stage curtain control equipment, stage lighting etc. Agents: Photophone Equipments Ltd., 9 Marine Lines.

CLEARING AND FORWARDING AGENTS

Dean & Dawson Ltd., Passenger and Tourist Agents. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

Geo. W. Wheatley & Co. Ltd., London. Liverpool, New York and Marseilles. Shipping and Forwarding Agents. Agents: Balmer Lawrie & Co. Ltd., 5, Graham Road, Ballard Estate.

Gerhard & Hey Ltd., Shipping Agents, London, Liverpool, Manchester, Hull, Southampton, Glasgow. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Gerhard & Hey Co., Inc., Shipping Agents, 44, Whitehall Street, New York 4, N. Y. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Pitt & Scott Ltd., London, Glasgow, Liverpool, New York and Marseilles. Shipping and Forwarding Agents. Agents: Balmer Lawrie & Co. Ltd., 5, Graham Road, Ballard Estate.

COAL CUTTING MACHINERY AND CONVEYORS

Mavor & Coulson Ltd., 47, Broad Street, Glasgow. Coal Cutters and Conveyors. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

Siskol Machines Ltd., Siskol Works, Sheffield, England. Electric and Pneumatic Coal Cutters (Portable), Electric, Pneumatic and Petrol Engine Driven Drills. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

COFFEE BREWING EQUIPMENT

Alsdorf A. J. Corporation, 221, North La Salle Street, Chicago 1 (U.S.A.). Exclusive representatives in India: Refrigeration and Appliances Co., Ltd., Pravin Court, 95, Queen's Road, Bombay 1.

COLOURS

I. C. I. LTD., Dyestuffs Division, Manchester, England. Selling Agents in India: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

J. W. & T. A. Smith Ltd., London. Fine Colour & Pigments. Distributors: F. Bock & Co., Shale Building, Bank Street, Fort.

CONCRETE PRESTRESSED

McCall's Macalloy Ltd., Sheffield, England. "Lee McCall" System of Prestressed Concrete: "Macalloy" bars and accessories; Designs and drawings supplied. Sole Representatives: The United Steel Companies (India) Ltd., Himalaya House, Hornby Road, Fort.

CONCRETE REINFORCEMENT

McCall & Co., (Sheffield) Ltd., Templeborough, Sheffield, England. "Matobar" High Tensile Electrically Welded Steel Fabric for Reinforcement. Sole Representatives: The United Steel Companies (India) Ltd., Himalaya House, Hornby Road, Fort.

Twistell Reinforcement, Ltd., Shethwick. Steel Reinforcing Fabric. Agents: Guest, Keen, Williams, Ltd., Das Chambers, Dalal Street, Fort.

CONCRETE VIBRATORS

Allam E. P. & Co., Ltd., 45, Great Peter Street, Westminster, London, S.W.1. Sole Agents: Healy & Gresham Ltd., 9, Forbes Street, Fort.

Aveling-Barford Ltd., Grantham, England. Vibratory Concrete Finishers for Roads and Air Port Runways. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Gasline/Electric Internal and External Vibrators, Vibratorz Tampers, Gebrüder Wacker, Germany. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phiroozshah Mehta Road, Fort.

Johnson (Machinery) Ltd., C. H., England. Sole Agents: Killick Nixon & Co. Ltd., Killick Building, Home Street, Fort.

CONFECTIONERS

James Pascall, Ltd., Confectionery. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 28.

Wrigley Products Ltd., London, England. Manufacturers of Wrigley's Chewing Gum. Sole Agents for India: Carr & Co., Ltd., P.O. Box 152, Bombay.

CONFECTIONERY MACHINERY

Autopack Ltd., Birmingham, Weighing, Filling Machines for Food stuffs, Flour, Cereals, Tea, etc. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

CONTRACTORS, PLANT AND MACHINERY

Boydell & Co. Ltd., E., Manchester (Muir-Hill Dumpers). Agents for Western India: Killick Nixon & Co. Ltd., Killick Building, Home Street, Fort.

Cement & Steel Ltd., Kent, (Bar Bending & Bar Shearing Machine). Agents: Killick Nixon & Co. Ltd., Killick Building, Home Street, Fort.

Christopher & Sons Ltd., J., London, (Hemell Holsts). Sole Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

Frederick Parker, Ltd., Leicester. Sole Agents: Heatley & Gresham Ltd., 9, Forbes Street, Fort.

CONVEYORS AND LOADERS

Barber-Greene (Overseas) Inc., Barber Green Olding Co. Ltd., Bituminous Finishers, Conveyors and Loaders. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

COPPER, BRASS, GUNMETAL

Society des Mines and Founders De Zinc Dela Vielle Montagur, Belgium. Agents: Doshi Brothers (Bombay), National Insurance Building, 204, Hornby Road, Fort.

CORK INSULATION

Armstrong Cork Co., Lancaster, Pa., U.S.A. Agents: Roberts McLean & Co., Ltd., Ilaco House, Sir Phirozshah Mehta Road.

CORK PRODUCTS

Armstrong Cork Co., Spain, Corkboard and Cork Products. Agents: Ahmed A. Fazalbhoy, 38, Queen's Road.

Armstrong Cork Company, Lancaster, U.S.A. (Distributors for Crown Corks). Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

Crown Cork Co., (Belgium) S.A., Merxem Belgium (Crown Corks). Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

S. Sagrera Soler, Barcelona-Spain (Cork Wood, Cork Waste, Corkdiscs, Corkpaper, etc.). Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

COSMETICS

Albro Fillers & Engineering Co., Ltd., London; Bottle & Tin Filling Machines. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Cranfield Industries Ltd., England (D. Trapow & Co.); Labelling Machines for Bottles, Jars, etc. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Enamelled Metal Products Corporation (1933) Ltd., England; Glass Lined Storage & Mixing Vessels, Chemical Process Equipment. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

COUNTING MACHINES

INTERNATIONAL COIN COUNTING MACHINE CO., LTD., Alexandra House, Enfield, Middlesex, England, Coin Counting Machines; Representatives: Latham Abercrombie & Co. Ltd., Forbes Building, Home Street, Fort.

CRANES & HOISTS

Royce Ltd., The Crane Works, Loughborough, England, Cranes, Hoists, etc. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

CRANES MFRS.

Clyde, Crane & Booth Ltd., Rodley, Leeds, England and Mossend, Scotland. Electric, Steam and Diesel Dock and Wharf Cranes, Travelling Jib Cranes for Docks, Railways and Collieries, Railway Breakdown and Main Line Cranes and Deck cranes. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

DU CROO & BRAUNS, N. V. Machine-fabriek, Amsterdam, Holland. Steam and Electric Cranes for all purposes. Agents: Associated Machine & Tool Co., 130, Meadows Street, Fort, Bombay 1.

Geo. W. King Ltd., London. Conveyors and Electric Hoists. Agents: Richardson & Cruddas Ltd., Byculla.

Wharton Crane & Hoist Co., Ltd., Stockport, England. Overhead Travelling Cranes, Hoists and Chain Blocks. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

DAIRY AND DAIRY PRODUCTS

Eduard Ahlborn Akt-Hildesheim W. Germany, (Machinery for the Milk and Cheese Industries). Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

Omira Oberland Milchverwertung G.m.b.H., Ravensburg, W. Germany. (Dairy Products). Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

DENTAL GOODS

American Porcelain Tooth Co., Ltd., Tel Aviv, Israel. Agents: F. W. Pollack & Co., 11, Oak Lane, Fort, Bombay.

Dental Manufacturing Co., Ltd., Dental Syringes, Instruments & Equipments. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 28.

Empire Dental Industry Ltd., Larnaca, Cyprus. Agents: F. W. Pollack & Co., 11, Oak Lane, Fort, Bombay.

I. C. I. LTD., Plastics Division, England. "KALLODENT" & "KALLODENTINE" Dental Powders and Compositions. Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

Nordenta (Sweden) Ltd., Dental Syringes, Instruments & Equipments. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

DIAMONDS, PEARLS, ETC.

Diamond Exporters & Importers Ltd., Post Box 1769, Tel Aviv. Agents: F. W. Pollack & Co., 11, Oak Lane, Fort, Bombay.

Davey Patman & Co., Ltd., Standard Iron Works, Colchester. Diesel Engines. Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

East Japan Heavy Industries Ltd. (Japan). For Beacon Diesel Engines. Sole Agents in India: Excellent Engineering Co., Motawala Building, Elphinstone Circle, Fort.

Guldner Motoren Werke, 13-a, Aschaffenburg. Agents: Chemical Engineering Corporation, 7-10, Elphinstone Circle, Fort.

Parkins Hodge, Ltd., England, Blenheim, Diesel Engineers. Agents: A. H. Shah & Co., Jan Mansion, Sir Phirozshah Mehta Road, Fort.

Ruston & Hornsby Ltd., Lincoln & Grantham, England. Horizontal & Vertical Stationary Diesel Engines, also Marine, Main and Auxiliary Diesel Engines. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Turner Manufacturing Co., Ltd., Wolverhampton. Agents: Killick, Nixon & Co. Ltd., Killick Bldg., Home Street, Fort.

DIESEL ENGINES

Pelopone Engines Ltd., "Pelapone-Ricardo" Diesel Engines. Sole Agents: William Jacks & Co., Ltd., Ballard Estate.

Robey & Co., Ltd., "Robey" Diesel Engines. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Ballard Estate.

DISINFECTANTS AND INSECTICIDES

ALKALI & CHEMICAL CORPORATION OF INDIA LTD., Calcutta. (For ready mixed formulations of Gammexane etc.) Agents: I. C. I. (India) Ltd., Post Box 310, Bombay 1.

BRITISH SULPHATE OF COPPER ASSOCIATION LTD., 1, Great Cumberland Place, London, W. 1. Copper Sulphate. Agents in India: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

Dakin Brothers, Ltd., 82, Middlesex Street, London, E.1. Manufacturers of Dakin's Crescol Disinfectant. Agents: J. D. Jones & Co. (Bombay), Ltd., Rustom Building, Churchgate Street, Fort.

Hercules Powder Co., Inc., Wilmington, Delaware, U.S.A. Agents: Hardcastle, Waud & Co., Ltd., Allice Buildings, Hornby Road, Fort.

IMPERIAL CHEMICAL INDUSTRIES LTD., General Chemicals Division, England. "GAMMEXANE", "KILLOPTERA" and other Insecticides. Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

Michigan Chemical Corporation, U.S.A. Insecticides. Sole Distributors: Spencer & Co., Ltd., Spencer's Building, Forjett Street, Bombay 26.

PLANT PROTECTION LTD., Bolton House, 61, Curson Street, Piccadilly, London, W. 1. (For plant protection products and growth promoting Chemicals). Agents in India: I. C. I. (India) Ltd., Post Box No. 310 Bombay 1.

Thomas Cowan & Co., Extermination of White ants. Agents: The Anglo-Thal Corporation, Ewart House, Bruce Street.
Thresh Disinfector Co., Phoenix Works, Marriner Road, Kelghley, Yorks. Sole Agents: Heatly & Gresham, Ltd., 9, Forbes Street.

DISTEMPER

Sissons Brothers & Co. Ltd., "Hall's" Distemper. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Ballard Estate, Fort.

DREDGERS

Fleming & Ferguson Ltd., Paisley. Agents: Glenfield & Kennedy Ltd., 199, Jamshedji Tata Road, Fort.

I. H. C. Holland, Holland. Agents: Killick Nixon & Co. Ltd., Killick Building, Home Street, Fort.

Wm. SIMONS & CO., LTD., Renfrew, Near Glasgow. Representatives: James Finlay & Co., Limited, P.O. Box No. 73, Bombay 1.

DRAWING OFFICE EQUIPMENT

Mavitta Drafting Machines Ltd., Anchor Works, Park Road, Aston, Birmingham 6, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

DRILLING AND BORING EQUIPMENT

Kitchen & Wade Ltd., Halifax, England. Drilling Machines. Agents: Heatly & Gresham Ltd., 9, Forbes Street.

Siemens-Schuckert (G.B.) Ltd., Brentford, Middlesex. Electric Hand Drills, Gate End Panels, Wimet Bits, etc. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

DROP FORGING EQUIPMENT

Brets Patent Lifter Co., Fole Shill Works, Coventry, England. Sole Agents: Heatly & Gresham, 9, Forbes Street, Fort.

DRUGS & MEDICINES

Conray Products Co., New York, U.S.A. Hormones, Drugs, Chemicals. Representatives: T. Byramji & Co., Central Bank Buildings, Fort.

Courtin & Warner, Ltd., Lewes, Sussex, England. Chemicals, Drugs, Flavouring Essences. Representatives: T. Byramji & Company, Central Bank Buildings, Fort.

Dr. Christian Brunnengraber, Lubeck, Germany. Insulin & other Drugs and Medicines. Distributors: F. Bock & Co., Shale Building, Bank Street, Fort.

I. C. (PHARMACEUTICALS) LTD., England. Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

Mentholum Co., Ltd., Slough, Bucks, England. Mentholatum Balm. Representatives: T. Byramji & Co., Central Bank Buildings, Fort.

Otto A. H. Wolfer, Hamburg 1, Rosenstrasse 11 (Germany). Agents: Hardcastle Waud & Co., Ltd., Alice Building, Hornby Road, Fort.

DUPLICATING MACHINES

ELLANS DUPLICATOR CO., LTD., Walton Road, Bushey Hall Road, Watford, England. Duplicating Machines and Equipment Suppliers. Representatives: Latham Abercrombie & Co., Ltd., Forbes Building, Home Street, Fort.

DYESTUFFS

Chemapol Ltd., Panska 9, Prague II, Czechoslovakia. Sole Agents for India: Chemidye Trading Co., Ltd., Kamer Building, Cawasji Patel Street, Fort.

CIBA LIMITED, Basle (Switzerland). Manufacturers of Aniline Dyes, Indigo, Alizarine, etc. Sole Suppliers for India: Ciba Dyes Limited, Jehangir Building, Mahatma Gandhi Road, Fort, Bombay 1. Phone Nos. 36846 & 36847. Tel. Address: "CIBA". Post Box No. 479. Codes used: Universal Trade, Bentley's Second Phrase and Private.

Clech, Ul. Jasna, 10 Warsaw, Poland. Sole Agents for India: Chemidye Trading Co., Ltd., Kamer Building, Cawasji Patel Street, Fort.

Fairy Dyes Ltd., "Fairy" Household Dyes. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

I. C. I. LTD., Dyestuffs Division, Manchester, England. Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

L. B. HOLLIDAY & CO. LTD., Huddersfield, England. Sole Agents for India, Burma & Ceylon: Amritlal & Co. Ltd., 11, Sprott Road, Ballard Estate, Fort.

EARTHMOVING MACHINERY

Le Tournieu-Westinghouse Co., Bulldozers, Scrapers, Rosters & Rollers. Sole Distributors: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

Newton Chambers & Co. Ltd., Horncliffe, Near Sheffield. Excavators, Earth Moving Pant. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

EDUCATIONAL FILMS

Common Ground Ltd., Sydney Place, London, S.W. 7. Sole Agents: National Education and Information Films Ltd., National House, Tulloch Road, Apollo Bunder.

Coronet Instructional Films, Coronet Building, Chicago, U.S.A. Sole Distributors: National Education & Information Films Ltd., National House, Tulloch Road, Apollo Bunder.

Edited Pictures System (E.P.S. Instructional Films), 165 West, 46th Street, New York 19. Sole Agents: National Education & Information Films Ltd., National House, Tulloch Road, Apollo Bunder.

Films of the Nations, Inc., 62, West, 45th Street, New York 19. Sole Agents: National Education and Information Films Ltd., National House, Tulloch Road, Apollo Bunder.

Medical Research Film Library, 1569 Broadway, Brooklyn 7, New York. Sole Agents: National Education & Information Films Ltd., National House, Tulloch Road, Apollo Bunder.

National Film Board of Australia, Canberra. Sole Distributors: National Education and Information Films Ltd., National House, Tulloch Road, Apollo Bunder.

ELECTRIC LAMPS

Edison Swan Electric Co., Ltd., Ponders End, London. Electric Lamps, "Royal Ediswan". Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

ELECTRIC CONTROL GEAR

Allen West & Co. Ltd., Electric Motors of all descriptions. Sole Agents: William Jacks & Co. Ltd., Hamilton House, Graham Road, Ballard Estate.

Lawrence Scott & Electromotors Ltd., Electric Motors of all descriptions. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

ELECTRIC MOTORS

Lawrence Scott & Electromotors Ltd., Electric Motors of all Description. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Ballard Estate, Fort.

ELECTRIC PORCELAIN FITTINGS

Gaskell & Grocott Ltd., Whitehall Works, Longport, Staffs. Insulators. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

ELECTRIC SWITCHGEAR

Donovan Electrical Co. Ltd., England; Electric Control Gear, Switchfuse Gear Fuseboards, Limit Switches and Push button stations, Plugs and Sockets, Contacts and relays. Contact: Ratansi Morarji Limited, Prospect Chambers, 317/21, Hornby Road, Bombay 1.

ELECTRICAL ENGINEERS AND MFRS. OF ELEC. GOODS

British Thomson-Houston Co., Ltd., Rugby. Agents: Associated Electrical Industries (India) Ltd., Indian Mercantile Chambers, Nicol Road, Ballard Estate.

Edison Swan Electric Co., Ltd., London. Agents: Associated Electrical Industries (India) Ltd., Indian Mercantile Chambers, Nicol Road, Ballard Estate.

Ferguson Pailin Ltd., Higher Openhaw, Manchester. Agents: Associated Electrical Industries (India) Ltd., Indian Mercantile Chambers, Nicol Road, Ballard Estate.

International Refrigerator Co., Ltd., London. Agents: Associated Electrical Industries (India) Ltd., Indian Mercantile Chambers, Nicol Road, Ballard Estate.

Metropolitan Vickers Electrical Co., Ltd., Trafford Park, Manchester. Agents: Associated Electrical Industries (India) Ltd., Indian Mercantile Chambers, Nicol Road, Ballard Estate.

Metropolitan-Vickers-G.R.S. Ltd., London. Agents: Associated Electrical Industries (India) Ltd., Indian Mercantile Chambers, Nicol Road, Ballard Estate.

Newton Victor Ltd., London. Agents: Associated Electrical Industries (India) Ltd., Indian Mercantile Chambers, Nicol Road, Ballard Estate.

ELECTRICAL GOODS

Brush Development Company, Ohio, U.S.A. General purpose microphones, general purpose headphones, general purpose phonograph pick-ups, etc. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Fresh'nd-Aire Company, Chicago, 1, Illinois, U.S.A. Fresh'nd Aire High stand air circulators. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

J. & G. Coughtrie Ltd., Hillington, Glasgow, S.W.2 (England). Complete range of Lighting Fittings and Accessories. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Stevens Arnold, Inc., Boston, 27, Mass., U.S.A. Electrical specialties. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

ELECTRICAL GOODS & APPLIANCES

Acme Electric Corporation, U.S.A., for Neon Sign Transformers and Fluorescent Lamp Ballasts. Agents: Ahmed A. Fazalbhoy, 88, Queen's Road.

Artie Fuse & Electrical Mfg. Co., Ltd., Birtley Co., Durham, England. Knife Switches, H.R.C. Cartridge and Fuse Wire Type Switches, H.R.C. Cartridge and Fuse Wire Type Switchboard Pattern Fuses, Ironclad Switchgear, etc. Agents: Greaves Cotton & Crompton Parkinson, Ltd., 1, Forbes Street, Fort.

Automatic Coll. Winder & Electrical Equipment Co., Ltd., London. AVO Electrical and Radio Test-Instruments and Automatic Coll. Winding Machines. Sole Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Belling & Co., Ltd., Southbury Road, Enfield, Middlesex, England. Electric Cookers & Heaters. Agents: Greaves Cotton & Crompton Parkinson, Ltd., 1, Forbes Street, Fort.

Black & Decker Mfg. Co., Towson, Maryland, U.S.A. Portable Electric Tools, etc. Agents: Greaves Cotton & Crompton Parkinson, Ltd., 1, Forbes Street, Fort.

Black & Decker Ltd., Harmondsworth, Middlesex, England. Portable Electric Tools, etc. Agents: Greaves Cotton & Crompton Parkinson Ltd., 1, Forbes Street, Fort.

Bowker, S. O. Ltd., Birmingham. Electrical Accessories. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Breuer Electric Mfg. Co., Chicago. Vacuum Cleaners and Portable Electric Blowers. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

British Insulated Callender's Cables, Ltd., Prescott, Lancashire, England. Capacitors, Overhead Equipment, etc. Agents: Greaves Cotton & Crompton Parkinson, Ltd., 1, Forbes Street, Fort.

Bullers Ltd., 6, Laurence Pauntney Hill, London, E.C. 4. Porcelain Insulators, etc. Agents: Greaves Cotton & Crompton Parkinson Ltd., 1, Forbes Street, Fort.

Cooke & Ferguson, Ltd., Openshaw, Manchester, England. High Tension Switchgear. Agents: Greaves Cotton & Crompton Parkinson, Ltd., 1, Forbes Street, Fort.

Crabtree, J. A., & Co., Ltd., Walsall, Staffordshire, England. Electrical Accessories and Ironclad Switchgear. Agents: Greaves Cotton & Crompton Parkinson Ltd., 1, Forbes Street, Fort.

Crompton Parkinson Ltd., Crompton House, Aldwych, London, W.C. 2, England. Electrical Machinery, Lamps, Fans, Batteries, Wires, Cables, etc. Agents: Greaves Cotton & Crompton Parkinson Ltd., 1, Forbes Street, Fort.

Driver-Harris Co., Harrison, N. J. Nichrome Resistance Wires, Tapes and Alloys. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

E. & E. Kaye Ltd., England. Bare Copper Strips, Plain and Enamelled D.C.C. & S.C.C. Wires. Sole Agents: Johnson & Phillips Ltd., Kaiser-i-Hind Building, Currimbhoy Road, Ballard Estate.

E. Matter, Zurich. Sole Agents: Commodities Exchange Corporation, Jan Mansion, Sir Phirozshah Mehta Road, Fort.

ELECTRIC SERVICE MANUFACTURING CO., Philadelphia, U.S.A. "Crystal Valve" Lightning Arresters. Agents: Johnson & Phillips Ltd., Kaiser-i-Hind Building, Currimbhoy Road, Ballard Estate.

ELECTRIC TRANSMISSION LTD., England. Outdoor Switchgear and Fuses. Sole Agents: Johnson & Phillips Ltd., Kaiser-i-Hind Building, Currimbhoy Road, Ballard Estate.

Electrical Apparatus Co., Ltd., St. Albans, England. Electric Control Gear. Agents: Greaves Cotton & Crompton Parkinson, Ltd., 1, Forbes Street, Fort.

Ferranti Ltd., Hollinwood (Lancashire). Powers Transformers, Meters, Radio Components, Electric Fires, Electric Clocks, Electric Water Heaters, Indicating Instruments, etc. Sole Agents in India: British Insulated Callender's Cables Ltd., Esplanade House, Waudby Road, Fort.

Gent & Co., Ltd., Faraday Works, Leicester, England. Electrical Clocks and Signalling Apparatus. Agents: Greaves Cotton & Crompton Parkinson, Ltd., 1, Forbes Street, Fort.

Henry Wiggin & Co., Ltd., Wiggin Street, Birmingham 16, England. Electrical Resistance Materials. Agents: Greaves Cotton & Crompton Parkinson, Ltd., 1, Forbes Street, Fort.

Hortsmann Gear Co., Ltd., Bath, England. "H.B.E." Electric Time Switches. Sole Agents: Johnson & Phillips Ltd., Kaiser-i-Hind Building, Currimbhoy Road, Ballard Estate.

LANDIS & GYR, London, England. Electricity Meters. Sole Agents: Johnson & Phillips Ltd., Kaiser-i-Hind Building, Currimbhoy Road, Ballard Estate.

Landis & Gyr, Ltd., Zug (Switzerland). Electricity Meters, Time Switches. Sole Importers: Volkart Brothers, Ballard Estate.

Morgan Crucible Co., Ltd., Batterssea Church Road, London, S.W.11, England. Carbon and Morganite Brushes. Agents: Greaves Cotton & Crompton Parkinson, Ltd., 1, Forbes Street, Fort.

Nalder Bros. & Thompson Ltd., England. Electrical Measuring Instruments. Sole Agents: Johnson & Phillips Ltd., Kaiser-i-Hind Building, Currimbhoy Road, Ballard Estate.

Record Electrical Co., Ltd., England. Electrical Meters. Sole Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Richard Johnson & Nephew Ltd., Forge Lane, Manchester 11; Steel Cored Aluminium Conductor. Agents: Greaves Cotton & Crompton Parkinson Ltd., 1, Forbes Street, Fort.

Sanders (Wm.) & Co., Wednesbury, England. Switch and Fuse Gear. Sole Agents in India: British Insulated Callender's Cables Ltd., Esplanade House, Waudby Road, Fort.

Santon Ltd., Somerton Works, New Port (Mon.), England; Exclusive distributors in Western India for Santon's Storage type Elec. Water Heaters. Refrigeration and Appliances Co. Ltd., Previn Court, 95, Queen's Road.

Simplex Electric Co., Ltd., Oldbury, Birmingham. Switch and Fuse Gear Conduits and Fittings, Lighting Equipment. Sole Importers: Volkart Brothers, Ballard Estate.

Veritys Ltd., 66, Quay Street, Manchester 3, London, W.C.2, England. Maxlume Electrical Fittings. Agents: Greaves Cotton & Crompton Parkinson Ltd., 1, Forbes Street, Fort.

Walsall Conduits Ltd., West Bromwich, England. Conduit. Agents: Balmer Lawrie & Co. Ltd., 5, Graham Road, Ballard Estate.

ELECTRICAL INSTRUMENTS AND APPLIANCES

Cornell Jubiller Electric Corp., New Jersey, U.S.A. Capacitors of all types and sizes for application's power factor condensers, Industrial condensers, etc. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Eagle Electric Mfg. Co., Inc., Long Island City, New York, U.S.A. Electrical Accessories. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Esterline August Co., Inc., Indiana, U.S.A. Electrical Instruments. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Haydon Manufacturing Co., Connecticut, U.S.A. Timing Motors and Apparatus. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Saugamo Weston Ltd., Enfield. Radio and Electrical Test Instruments. Time switches, House service meters, etc. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Triplet Electrical Instrument Co., Bluffton, Ohio, Test Instruments. Electrical meters. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

ELECTRICAL INSULATING MATERIALS

H. Clarke & Co. (Manchester) Ltd., England. Electric Insulating Materials. Sheets, Tubes and Rods. Contact: Ratana Lal Morarji Limited, Prospect Chambers, 317-21, Hornby Road, Fort.

ELECTRICAL PLANT

Asca Electric Ltd., London. Works at Wallhamston, Mfg. Electrical Engineers and Contractors. Representatives: Asca Electric Ltd., Yaffi Building, Goa Street, Ballard Estate.

Asca Vasteras, Sweden. Mfg. Electrical Engineers, and Contractors. Representatives: Asca Electric Ltd., Yaffi Building, Goa Street, Ballard Estate.

BROWN, BOVERI & CO., LTD., Baden (Switzerland). Steam Turbine and Electrical Machinery Apparatus of every description. Sole Importers: Volkart Brothers, Ballard Estate.

Bruce Peebles Ltd., Edinburgh. Electrical Machinery, Transformers, etc. Agents: Guest, Keon, Williams Ltd., Das Chambers, Dalal Street, Fort.

ELECTRICAL SWITCHES AND FUSES

Arrow Electric Switches, Ltd., Hanger Lane, Ealing, London. Switches & Accessories. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

S. & C. Electric Company, Chicago, 40, Illinois, U.S.A. Overhead Switches & Fuses. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

William McGeech & Co., Ltd., Birningham 10 (England). Switch & Fusegear, Electrical Fittings, etc. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

W. N. Mathews Inc., Electrical Transmission Accessories such as Switches, Fuses, etc. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

ELECTRICAL SWITCHGEAR

BROOKHIRST SWITCHGEAR LTD., Northgate Works, Chester, England. Representatives: James Finlay & Co., Limited, P.O. Box No. 73, Bombay 1.

CANTIE SWITCHES LIMITED, Port Causeway, New Ferry, Birkenhead, England. Manual Switchgear. Representatives: James Finlay & Co., Limited, P.O. Box No. 73, Bombay 1.

IGRANIC ELECTRIC CO., LTD., Export Department, Victoria Station House, Victoria Road, London, S.W. 1. Representatives: James Finlay & Co., Limited, P.O. Box No. 73, Bombay 1.

M. & C. Switchgear Ltd., Glasgow. Electrical Switchgear. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

ELECTRODES

Murex Welding Processes Ltd., Waltham Cross, Herts. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

UNION CARBIDE & CARBON CORPORATION, National Carbon Division, New York 17, N.Y. (U.S.A.). Acheson Graphite and National Carbon Electrodes for Electrothermic & Electrolytic applications, Carbon Lining Blocks, Bricks, Paste, etc., Chemically inert "Karbata" (Impervious Carbon and Graphite) Products. Representatives in India: Volkart Brothers, Ballard Estate, Fort.

United Metal Electrodes & Welding Equipment Ltd., 14, Howick Place, London. Sole Agents: Datson, Raviraj & Co., 43, Tamarind Lane, Fort.

Weldcraft Ltd., Progress Way, Croydon, England. Manufacturers of "Bronze-craft" Low Temperature Welding Rods. Sole Agents: Datson Raviraj & Co., 43, Tamarind Lane, Fort.

Welding Supplies Ltd., London. Electroder and Welding Plants. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshahi Mehta Road, Fort.

ELECTRONIC EQUIPMENT AND INSTRUMENTS

Chatham Electronics Corporation, Newark 2, New Jersey, U.S.A. Electronic tubes and special purpose tubes. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Samwell & Hutton, Ilford, Essex (England). Electronic Equipment and Instrument. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Westinghouse Trading Co. (Asia) Ltd., New York 5, N.Y., U.S.A. Electronic Products. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

ELECTROPLATING & POLISHING EQUIPMENTS

W. Canning & Co., Ltd., Birmingham, England. Agents and Chief Distributors: S. Mitra & Co., 210, Girgaum Road, Bombay 4. Grams: "Mudeshi."

ENGINE GENERATORS

Johnson Motors, Waukegan 111, Johnson Engine Generators, Battery Charging Plants, etc. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Kato Engineering International Co., New York 5, N.Y., AC & DC Electric Lighting Plants, AC & DC Generators, etc. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

ENGINEERING

Acorex Ltd., 46, Rutland Park, Sheffield. Mine Ventilating Fans. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate, Fort.

Ashworth & Parker, Ltd., Bury, Lancs. High Speed Steam Engines and Accessories. Representatives: W. H. Brady & Co., Ltd., Vir Nariman Street.

Beck & Co., Ltd., etc. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

British Pitometer Co., Ltd., London. Agents: Glenfield & Kennedy, Ltd., 198, Jamshedji Tata Road, Fort, Bombay 1.

Broadbent, Thos., & Sons, Ltd., Huddersfield. Hydro Extractors and Clutches. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Vir Nariman Street.

Christiani & Nielsen, Copenhagen, Denmark. Patented R.C.C. Arch Bridges with inclined hangers. Sole Agents in India: J. C. Gammon Ltd., Hamilton House, Ballard Estate.

Clayton Crane & Hoist Co., Ltd., Liverpool. Agents: Glenfield & Kennedy, Ltd., 198, Jamshedji Tata Road, Fort, Bombay 1.

Craven Bros. Crane Division, Ltd., Loughborough. Breakdown and Railway Cranes. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Vir Nariman Street.

Glenfield & Kennedy, Ltd., Kilmarnock. Agents: Glenfield & Kennedy, Ltd., 198, Jamshedji Tata Road, Fort, Bombay 1.

Henricot Steel Foundry, 5, Lawrence Pointney Hill, Cannon Street, London, E. C. 4. Steel Castings. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Hick Hargreaves & Co., Ltd., Steam Engines and Turbo Generators. Representatives: W. H. Brady & Co., Ltd., Royal Insurance Building, Vir Nariman Street.

Hoffman Sprinkler Co., Ltd., Manchester. Specialists. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Vir Nariman Street.

Hopkinson, Ltd., Huddersfield. Mountings and Fittings for all classes of Engines and Boilers, Steam, Air and Oil Valves, Oil Purifiers. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Vir Nariman Street.

Hunt & Co., Ltd., R., Earles Colne, Essex. Power Transmission Appliances. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Hydrautomat (1931) Ltd., London. Agents: Glenfield & Kennedy Ltd., 198, Jamshedji Tata Road, Fort, Bombay 1.

Kent, George, Ltd., Blacot Road. Works Luton, Beds. Steam, Water, Air and Oil Meters and Recorders. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Vir Nariman Street.

Lister & Co. (R. A.), Dursley, Glos. Auto Trucks. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

Morris (Herbert), Ltd., Loughborough. Hand & Electric Cranes, Pulley Blocks, Runways, Stacking Machines, Lifts, Conveyors, Elevators, and all types of Mechanical Handling Equipments. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Vir Nariman Street.

Norris, Henty & Gardner, Ltd., High Speed Oil Engines. Sole Representatives: W. H. Brady & Co., Ltd., Royal Insurance Buildings, Vir Nariman Street.

Phillips Telescopic Taps Ltd., 62, Pall Mall, London, S.W. 1. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Renold & Coventry Chain Co., Ltd., Didsbury, Manchester. Chains, Chain Drives, etc. Sole Representatives for India: W. H. Brady & Co., Limited, 12/14, Vir Nariman Street.

Richard Klinger Ltd., Klinger Engineering specialities. Agents: Hardcastle Waud & Co., Ltd., Alice Building, Hornby Road, Fort.

Ultra Lens Company, The, London, E.C. 2. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Vee-Reg Valves Ltd., London. Agents: Glenfield & Kennedy, Ltd., 198, Jamshedji Tata Road, Fort, Bombay 1.

Veeder-Root Incorporated, Hartford, U.S.A. Counters. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Vir Nariman Street, Fort.

Vickers-Armstrongs Ltd., Vickers House, Broadway, Westminster, London, S.W.1. Agents: Vickers (Eastern) Ltd., Killick Building, Home Street.

Walton Company, D., Hartford, Connecticut, U.S.A. Broken Tap Extractors. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Weir, G. & J., Ltd., Glasgow. Pumps & Power Plant Auxiliaries, Refrigeration Plant. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Vir Nariman Street.

Wells, A. C., & Company Ltd., Manchester. Wells Oil Filters. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

ENGINEERING STORES

Cement Gun Co., Ltd., London. Agents: John Fleming & Co., Ltd., Bastion Road, Fort.

ENGINEERING STORES & HARDWARE

Butler & Son (B. & S. Valves) Ltd., Dukinfield. Steam Valves, Steam Traps and Boiler Accessories. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Dicks Asbestos and Insulating Co., Ltd., Asbestos Packings. Representatives: W. H. Brady & Co., Ltd., 12/14, Vir Nariman Street.

Dixon (Joseph), Crucible Co., Graphite Specialities. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Vir Nariman Street.

Nicholson File Co., Providence, U.S.A. Files and Rasps. Wholesale Representatives in Bombay State: W. H. Brady & Co., Ltd., 12/14, Vir Nariman Street.

Signode Steel Strapping Co., Chicago. "Signode System" of Strapping and Seals. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Vir Nariman Street.

Valor Co., Ltd., Stoves. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

ENGRAVING MACHINES

George H. Alexander Machinery Ltd., 82-83-84, Colleshill Street, Birmingham 4, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate, Fort.

Taylor, Taylor & Hobson Ltd., Leicester. Engraving Machines, Pantograph Die Sinking and Milling Machines, Measuring Instruments. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

ESSENCES

Rayner & Co., Ltd., London. Essences & Colours. Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

Westfälische Esenzen-Fabrik K. G. Dortmund—W. Germany (Essences and Aromatic Chemicals). Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

ESSENTIAL OILS

Adrian & Klein, S. A. Benicarlo—Spain. Distributors for Essential oils and Concentrates. Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

Bruno Court, Grasse, France. Agents: F. W. Pollack & Co., 11, Oak Lane, Fort.

Dalfo Pages & Co., Figueras, Spain. Saffron. Distributors: F. Bock & Co., Shale Building, Bank Street, Fort.

Destillaciones Jorbas Chinchurota, S.A., Seville, Spain. Essential Oils. Distributors: F. Bock & Co., Shale Building, Bank Street, Fort.

Dragoco, W. Germany. Agents: B. C. Patel & Co., 143, Princess Street, Bombay 2.

FELTON CHEMICAL CO., Inc., 599, Johnson Avenue, Brooklyn 37, N. Y. (U.S.A.). Manufacturers of Solvents, Aromatic Chemicals, Essential Oils, Perfume Oils, Flavours specialties, etc. Sole Agents for Bombay State: R. K. Shapurji & Co., Prospect Chambers, 319, Hornby Road, Fort, P. B. No. 1065.

Florasynth Laboratories (Canada) Ltd., Montreal, Canada. Aromatic Chemicals, Food Colours & Flavouring Essences. Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

Florasynth Laboratories Inc. New York, U.S.A. Aromatic Chemicals, Food Colours & Flavouring Essences. Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

Gale & Mount, Limited, 29, Road Lane, London, England. Representatives: T. Byramji & Co., Central Bank Buildings, Fort.

J. Gazignaire & Cie, Golfo Juan, France. Natural Synthetic & Food Colours. Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

Palestine Frutarom Ltd., Haifa, Israel. Agents: F. W. Pollack & Co., 11, Oak Lane, Fort.

Schmoller & Bompard., Grasse, France. Agents: B. C. Patel & Co., 143, Princess Street, Bombay 2.

W. Sanderson & Sons, Messina, Italy. Essential Oils. Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

EXCAVATING EQUIPMENT

Northwest Engineering Co., Draglines, Shovels, Cranes and Clam Shells. Sole Distributors: William Jacks & Co. Ltd., Hamilton House, Graham Road, Ballard Estate.

EXCAVATING MACHINERY MANUFACTURERS

Ruston-Bucyrus, Ltd., Lincoln. Excavating Machinery, Well and Blast Hole Drills. Sole Concessionaires: Groves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Newton Chambers & Co. Ltd., Horncliffe, Near Sheffield. Excavators, Earth-moving Plant. Agents: Balmer Lawrie & Co. Ltd., 5, Graham Road, Ballard Estate.

EXPANDED METAL

Stahlunion-Export G.m.b.H., Düsseldorf. Steel materials and products of all kinds. The Stahlunion Company Limited, 61, Pall Mall, London S.W.1. The Stahlunion Company Limited, Indian House, 4th Floor, Fort Street, Bombay 1. Telegraphic Address: "Maracsteel", Bombay. Branch Offices: Calcutta & Delhi.

FANCY GOODS MANUFACTURERS

Roy Tallent Ltd., 70-74, City Road, London. Fine Fancy Goods, Cigarette Cases, Lighter, Key Chain. Agents: Windmere (India) Ltd., Sir Vithaldas Chambers, Apollo Street, Bombay.

FANS

American Coolair Corporation, U.S.A. Coolair Ventilating Fans. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

FANS, HUMIDIFICATION AND ELECTRICAL DUST BLOWERS

Sturtevant Engineering Co., Ltd., London. Mechanical Draught for Boilers, Fans for all purposes, Vacuum Cleaners, Electric Dust Blowers, Air Conditioning Humidifiers, Air Washers and Filters. Sole Agents: Gannon Dunkerley & Co. Ltd., Chartered Bank Building, Fort, Bombay.

Textile Air Systems Ltd., Radcliffe, Manchester. Humidifying Plants and Unit Humidifiers. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

FENCING

Frost Steel & Wire Co., Ltd., Hamilton, Canada. Woven Wire Fencing. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

FILES

Disston & Sons, Inc., Henry, America. Files & Rasps. Agents: Richardson & Cruddas Ltd., Byculla.

FIRE ENGINES AND APPLIANCES MANUFACTURERS

Dennis Bros. Ltd., Guildford, Surrey, England. Dennis' Motor. Fire Engines and Trailer Pumps. Agents: Roberts, McLean & Co., Ltd., Ilaco House, Sir Phirozshah Mehta Road.

Merryweather & Sons, Ltd., Greenwich, London. Fire Engines & Appliances. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

FIRE EXTINGUISHERS

Antifire Ltd., London. Fire Extinguishers. Agents in Western India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Ravenhose Ltd., England. Fire Fighting Equipment & Hoses. Agents: John Fleming & Co., Ltd., Bastion Road, Fort.

Walter Kidde Co., England. Fire Extinguishers and Crash Tenders. Agents: Roberts McLean & Co., Ltd., Ilaco House, Sir Phirozshah Mehta Road, Fort.

FIRE FIGHTING APPLIANCES

Pyrene Company Ltd. Sole Agents: William Jacks & Co. Ltd., Hamilton House, Graham Road, Ballard Estate.

FIRE WORK MFRS.

ENGLISH METAL POWDER CO., LTD. England. Aluminium Powder Pyrotechnic. Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

FISH (PRESERVED)

Seafood Products Ltd., Vancouver. Frozen Fish. Sole Distributors: Spencer & Co., Ltd., Spencer's Building, Forjett Street, Bombay 26.

Stavanger Preserving Co., A.S. Canned Fish. Sole Agents: J. L. Morrison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 29.

FLAME GUNS & BURNERS

Hauck Manufacturing Co., U.S.A. Agents: Guest, Keen, Williams, Ltd., Das Chambers, Dalal Street, Fort.

FLAVOURING & PERFUMERY RAW MATERIALS

FELTON CHEMICAL CO., Inc., 599, Johnson Avenue, Brooklyn 37, N. Y. (U.S.A.). Manufacturers of Solvents, Aromatic Chemicals, Essential Oils, Perfume Oils, Flavours specialties, etc. Sole Agents for Bombay State: R. K. Shapurji & Co., Prospect Chambers, 319, Hornby Road, Fort, P. B. No. 1065.

FLOOR HARDENING COMPOUND

Ironite Co., Ltd., 4, Holbeine Place, Sloane Square, London, S.W. 1. Sole Agents: Heatly & Gresham, Ltd., 9, Forbes Street, Fort.

FORGING MACHINES

Ajax Manufacturing Co., 1441, Chavdon Road, Cleveland 17, Ohio, U.S.A. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

National Machinery Co., Tiffin, Ohio, U.S.A. Forging Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

FORK LIFT TRUCKS

Coventry Climax Engines Ltd., Widdrington Road, Works, Coventry. Sole Distributors: William Jacks & Co., Ltd., Hamilton House, Ballard Estate, Fort.

Ransomes, Sims & Jefferies Ltd., Fork Lift Trucks. Electric Fork Lift & Works Trucks. Sole Agents: William Jacks & Co. Ltd., Hamilton House, Graham Road, Ballard Estate.

FOUNDRY MATERIAL & EQUIPMENT

Bridges, S. N. & Co., Ltd., London, Sieving and Grading Machines. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

FEDERAL FOUNDRY SUPPLY CO., U.S.A. Manufacturers of "SANBLO" Core Blowers. Sole Agents: Pioneer Industries, 21, Forbes Street, P.O. Box 1909, Bombay 1. Phone No. 31982. Grams: "PIOMETAL."

Foundry Plant & Machinery Ltd., 113, West Regent St., Glasgow, Scotland, Sandblasters. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Foundry Services Ltd., Long Acre, Nechelles, Birmingham. Foundry Fluxes. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Hanek Manufacturing Co., U.S.A. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

Houghton, E. F. & Co., Philadelphia. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

J. W. Jackman & Co., Ltd., Vulcan Works, Black Friars Road, Manchester, 3, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Morgan Crucible Co. Ltd., The, Battersea Church Road, London, S.W. 11. Morgan's Tiling and Lift-out Furnaces, Coke and Oil-fired, Crucibles and Accessories, Plumbago and Patching Materials, Refractory-ware and other allied articles. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Morris, B. O., Ltd., Coventry. Wire Brushing Machinery and Brushes. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Robinson Major & Co., Manchester. Manufacturers of "SCOLS" Iron Cement, Pipe Joint Compound, Tube and Bar Bending Machines. Agents: J. D. Jones & Co. (Bombay), Ltd., Rustom Building, Vir Nariman Street.

FRANKING MACHINES

FRIESTEMPLER GESELLSCHAFT MBH., Grillpavsestrasse 43, Frankfurt (Main), Germany Postalia Franking Machines. Representatives: Latham Abercrombie & Co., Ltd., Forbes Building, Home Street, Fort.

FRUIT JUICES AND EXTRACTS

Assis Palestine Fruit Products Co., Ltd., Tel Aviv, Israel. Agents: F. W. Pollack & Co., 11, Oak Lane, Fort.

Cavo, Bischofszell, Switzerland. Cider & Fruit Juices. Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

Fruchtsaft G. m. b. H. Stuttgart-Vaihingen, W. Germany. Non-alcoholic Drinks. Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

Kia-Ora Ltd., London. Manufacturers of Fruit Juices and Cordials. Agents: Shaw Wallace & Co., Ltd., 3, Witter Road, Ballard Estate, Fort.

FURNACES

British Furnaces Ltd., Derby Road, Chesterfield, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Gibbons Bros., Ltd., England. (Manufacturers of Pottery Tunnel Kilns, etc.). Representatives in India: Indian Wild-Barfield Co. Ltd., Lotus Trust Buildings, Hornby Vellard, Bombay 8.

G. W. B. Electric Furnaces Ltd., England. (Manufacturers of large Electric Furnaces). Sole Agents: Indian Wild-Barfield Co., Ltd., Lotus Trust Buildings, Hornby Vellard, Bombay 8.

I. C. I. LTD., General Chemicals Division, England ("CASSEL" Heat Treatment Furnaces). Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

John Mathison Ltd., Gulseborough, England. Heat Treatment Furnaces. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Morgan Crucible Co. Ltd., The, Battersea Church Road, London, S.W. 11. Morgan's Tiling and Lift-out Furnaces, Oil and Coke-fired. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

SKLENER FURNACES LTD., Cardiff, U.K., Melting Furnaces, Reverberatory—Capacity 25 lb. to 5 tons—oil, coke and gas fired. Also Holding Furnaces. Sole Agents: Pioneer Industries, 21, Forbes Street, P.O. Box 1909, Bombay 1. Phone No. 31982. Grams: "PIOMETAL".

Stein & Atkinson Ltd., Parnell House, 25, Wilton Road, London, S.W. 1. Sole Agents: Heatly & Gresham Ltd., 9, Forbes Street, Fort.

Thermic Equipment and Engineering Co., Ltd., England. Sole Agents in India: Indian Wild-Barfield Co., Ltd., Lotus Trust Buildings, Hornby Vellard, Bombay 8.

Wild-Barfield Electric Furnaces Ltd., England. Associated Company in India: Indian Wild-Barfield Co., Ltd., Lotus Trust Buildings, Hornby Vellard, Bombay 8.

GARAGE EQUIPMENT

Adolf Ehma, Germany. Alup Air Compressors, Hydraulic Car Lifts, Car Washers, Grease Guns, Oil Cans. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Barrett Equipment Co., U.S.A. Brake Drum Lathes, Brake Kelling Machines, Hydraulic Brake Bleeder, Filler Tanks. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

B. E. N. Patents Ltd., High Wycombe, England. Air Compressors, Spray Painting Plant, Tyre Inflators, Car Washers, Sparkplug Cleaners. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Cengar Universal Tool Corporation, England. Cengar Panel Beater. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

C. L. Equipment, Ltd., Wolverhampton. "Janita" Motor Accessories. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Charles Weston & Co., Ltd., Manchester. Oil and Glt Seals. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Churchill, V. L., & Co., 27/34, Walnut Tree Walk, Kennington, London, S.E. 11. Agents: Heatly & Gresham, Ltd., 9, Forbes Street, Fort.

De Vilbiss Company, Ohio, U.S.A. Air Compressing & Spray Painting Outfits, Hose, etc. Agents: John Fleming & Co., Ltd., Bastion Road, Fort, Bombay 1.

Harvey Frost & Co., Ltd., England. Garage Tools, Jacks, Tyre Changers and Vulcanizing Equipment. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Homestead Valve Manufacturing Co. Ltd., U.S.A., Hypressure Steam Jennys. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

James Leach, Leeds. Replacements Rings for Commercial Vehicles. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Joseph Bradbury & Sons, Ltd., England, Motor Garages Equipment. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Lempoo International Inc., Cleveland 14, Ohio, U.S.A. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Lisle Corporation, U.S.A., Ridge Reamers, Cylinder Homes, Wet Honing Machines. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Morris, B. O., Ltd., Coventry. Morrisflex Flexible Shaft Equipment for Motor Garages, Workshops, and for Boiler Descaling. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Rogers Wilson & Co., Ltd., England. Tyre Retreading Plant. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Tecalemit Ltd., Brentford, U.K. Agents: Tecalemit (India) Ltd., 9, Forbes Street, Fort, Bombay.

Van Norman Company, U.S.A., for Automotive Servicing Equipment for Garages and Workshops. Distributors: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort, for Bombay Presidency, Saurashtra, Cutch, Madhya Pradesh and Calcutta Territory consisting of Bengal, Bihar, Orissa and Assam.

Welding Supplies Ltd., London. Portable Gas Cutting Machines. Agents: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

GAS GENERATORS

Spensers (London) Ltd., 6, London Street, London, W. 2. Gas Generators. Agents: Heatly & Gresham Ltd., 9, Forbes Street, Fort.

GAUGES & INSTRUMENTS

BRITISH STEAM SPECIALITIES LTD., Fleet Street, Leicester, England. (Pressure, Vacuum & Hydraulic Gauges, etc.). Agents: Gayite & Company, Janmabhesmi Chambers, Fort Street, Fort. Grams: "IMPENG".

Coley Thermometers Ltd., Brentford, Middlesex. Thermometers & Pressure Gauges. Sole Concessionaires: Greaves Cotton & Co., Ltd., Forbes Street, Fort.

Dobbie McInnes Ltd., Glasgow. Engine Indicators & Accessories. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Heath & Co., London. Mercury and Fluid-in-Glass Thermometers. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Joseph Tormey & Sons Ltd., England. Gauge glasses, Pressure-Vacuum & Temperature Gauges. Agents: John Fleming & Co., Ltd., Bastion Road, Fort, Bombay 1.

GEAR CUTTING MACHINES

Sykes, W. E., Ltd., Manor Works, Staines, Middlesex, England. Hobbing and Gear Generating Machine. Agents: Healy & Gresham Ltd., 9, Forbes Street, Fort.

GENERATORS

A. Van. Kalck Stressemann-Alle. and 15, Germany. Agents: Chemical Engineering Corporation, 7-10, Elphinstone Circle, Fort.

GLASS-CRETE BLOCKS

King, J. A., & Co., Ltd., Bridge House, 181, Queen Victoria Street, London, E.C. 4. Agents: Healy & Gresham Ltd., 9, Forbes Street, Fort.

GLASSWARE

DeGrelle Houdret & Co., London (The Belgian Glass Co.). Glassware and Earthenware. Agents: The Anglo-Thai Corporation, Ltd., Ewart House, Bruce Street.

UNITED GLASS BOTTLE MANUFACTURERS LTD., England. "SHERD-LEY" brand Glassware: Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

GLUCOSE AND STARCH MANUFACTURERS

A. E. Staley Manufacturing Co., Decatur, Illinois, U.S.A. Trade Marks: Lamb Brand "AA", "Eclipse" and "Staley's". Agents: The Sizing Materials Company, Limited, Jerroo Building, 137, Mahatma Gandhi Road, Bombay 1.

Irving R. Boodly & Co., Inc., New York. Liquid Glucose 45° Baume. Distributors: F. Bock & Co., Shale Building, Bank Street, Fort.

GLUES

BRITISH GLUES & CHEMICALS LTD., England. Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

GREASE REMOVER

Thawpitt Ltd., "Thawpitt", Safe Grease Remover. Agents: Hardcastle Waud & Co., Ltd., Alice Building, Hornby Road, Fort.

GRINDING MACHINERY, WHEELS, ETC.

Arter Grinding Machine Company, 15, Sagamore Road, Worcester 5, Mass., U.S.A. Grinding Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Blanchard Machine Co., 64, State Street, Cambridge, 39, Mass., U.S.A. Surface Grinding Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Bryant Chucking Grinder Co., 257, Clinton Street, Sprangfield, Vermont, U.S.A. Internal Grinding Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Ex-cell-o Corporation, 126, Oakman Boulevard, Detroit 6, Michigan, U.S.A. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Gallmeyer & Livingston Co., 336, Strait Ave., S.W. Grand Rapids 4, Michigan, U.S.A. Grinding Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

John Lund Ltd., Eastburn Works, Cross Hill Nr., Kelghley, England. Grinding Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Landis Tool Co., Sixth & Ringgold Streets, Waynesboro, Pa., U.S.A. Hydraulic Grinding Machinery. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Morris, B. O., Ltd., Coventry. Flexible Shaft Grinder. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir P. M. Road, Fort.

Rowland, F. E., & Co., Ltd., Reddish, Stockport. Grinding Machines, Floor Stand, Abrasive Cutting Off Machines. Sole Agents: William Jacks & Co., Ltd., Bombay.

GUMS

Cheshire Gum Company, Ltd., Stockport, England. Manufacturers of Locust Gums. Trade Mark: "Hytra Brand". Sole Agents: The Sizing Materials Co., Ltd., Jerroo Building, 137, Mahatma Gandhi Road, Fort, Bombay 1.

H. IMAMI & SONS, Teheran, Gum Tragacanth. Selling Agents in India: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

HARD AND SOFT BOARD

A. AHLSTROM OSAKEYHTIO, P.O. Box No. 329, Helsinki, Finland. Representatives: James Finlay & Co., Limited, P.O. Box No. 73, Bombay 1.

Karlit Co. All types of hard and insulating Boards. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

HARDWARE

Kaye, Joseph & Son Ltd., Leeds. Patent Oil Cans & Oil Storage Cabinets. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

P. C. Turck Wwe. Ludenscheld/westf. Buckles, Miscellaneous Hardware. Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

Wurttembergische Metallwarenfabrik, Gelsingen, W. Germany. (Domestic Hardware, Cutlery, Tea & Coffee Machines.) Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

HEARING AIDS, ELECTRO-MEDICAL & THERAPEUTICAL INSTRUMENTS

Blaupunkt-Werke, G. M. B. H., Landgraf-philipps-Anlage, 6, Darmstadt, West Germany. Agents: International Talkie Equipment Co. Ltd., 17, New Queen's Road, Bombay 4.

HEAT TREATMENT & METAL PROCESSING PRODUCTS

Houghton, E. F., & Co., Philadelphia. Agents: Hardcastle Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

HEAVY CHEMICALS

I. C. I. (INDIA) LTD., Post Box No. 310, Bombay 1. For details please see under the heading "CHEMICALS".

HEAVY ELECTRICAL EQUIPMENT

Stabilimenti Elettromeccanici Riceniti, Ansaldo-San Chicago, Mura Di Santa Chiara 1, Genova (Italy). Transformers, alternators for coupling to Diesel Engines, synchronous generators and anti-transformers, direct current motors, Hydro-electric stations complete, Hydraulic turbines, etc. Agents: Eastern Electric and Engineering Co., 127, Mahatma Gandhi Road, Fort.

Zenith Electric Co., Ltd., London, N.W. 2 (England). Variacs-voltage regulating transformers. Agents: Eastern Electric and Engineering Co., 127, Mahatma Gandhi Road, Fort.

HEAVY ELECTRICAL AND MECHANICAL EQUIPMENT

Cantieri Rinniti Dell' Adriatico, Trieste (Italy). Diesel Engines, Diesel Generating Stations. Cranes: Ship's Auxiliary Machinery. Transformers, synchronous motors, welding sets, watertight electrical installations for ships and mines. Agents: Eastern Electric and Engineering Co., 127, Mahatma Gandhi Road, Fort.

HIGH SPEED, ALLOY AND HIGH CARBON STEELS

Firth's "Speedicut" High Speed Steel. Sole Agents: William Jacks and Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

HOISTING MACHINERY

Harvey Frost & Co., Ltd., England. Cranes. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phiroozshah Mehta Road, Fort.

Yale & Towne Mfg. Co., Ltd., England. For Chain Pulley Blocks, Material Handling Equipment. Agents: John Fleming & Co., Ltd., Bastion Road, Fort, Bombay 1.

Yale & Towne Mfr. Co., Philadelphia, U.S.A. Pulley Blocks, Hoists, Cranes, Hand & Electric Lift Trucks. Agents: John Fleming & Co., Ltd., Bastion Road, Fort, Bombay 1.

HOISTS

Geo. W., King, Ltd., London. Conveyors and Electric Hoists. Agents: Richardson and Cruddas, Ltd., Byculla.

HOSE

De Villiers Company, Ohio, U.S.A. Air Compressing, Spray Painting outfits and Hose, etc. Agents: John Fleming & Co., Ltd., Bastion Road, Fort, Bombay 1.

Lewis & Tylor, Ltd., Cardiff. Gripoly Belting and Hose. Agents: Richardson & Cruddas Ltd., Byculla.

McGregor & Co., Dundee, Scotland. Flax and Rubber lined Hose. Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Ravenhose Ltd., England. Fire Fighting Equipment & Hoses. Agents: John Fleming & Co., Ltd., Bastion Road, Fort, Bombay 1.

HOSIERY GOODS (MFRS.)

Aristoc Ltd., Langley Mills, Nottingham, England. Aristoc Silk Stockings. Representatives: T. Byramji & Co., Central Bank Buildings, Fort.

I. & R. Morley Ltd., London, Hosiery Mfrs. Agents: The Anglo-Thal Corporation Ltd., Ewart House, Bruce Street.

Towles Limited, Loughborough, England Explorer All-wool Hosiery, Velvetex Underwear and Outerwear, etc. Representatives: T. Byramji & Co., Central Bank Buildings, Fort.

HOSIERY MACHINERY

Mellor Bromley & Co., Ltd., Leicester. Hosiery Machinery, "Boyce" Weavers, Knitters. Sole Agents: Gannon Dunckerly & Co., Ltd., Chartered Bank Building, Fort, Bombay.

HOSPITAL EQUIPMENT (MFRS.)

I. C. (PHARMACEUTICALS) LTD., England. "Avlon" brand pharmaceuticals, Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

JOHNSON & JOHNSON (GR. BRITAIN) LTD., England. Medical Aids: Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

Manlove Allott & Co., Ltd., Nottingham. Manufacturers of Sterilizers, Disinfectors, Laundry Equipment, Oil Mill Machinery, etc. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

HYDRAULIC ENGINEERS

Glenfield & Kennedy, Ltd., Kilmarnock. Agents: Glenfield and Kennedy, Ltd., 198, Jamshedji Tata Road, Fort, Bombay 1.

Hydrautomat (1931) Ltd., London. Agents: Glenfield & Kennedy, Ltd., 198, Jamshedji Tata Road, Fort, Bombay 1.

HYDRAULIC JACKS

Eppo Ltd., Leeds 7, England. Sole Agents: Heatly & Gresham Ltd., 9, Forbes Street, Bombay.

HYDRAULIC MACHINERY

Glenfield & Kennedy, Ltd., Kilmarnock. Hydraulic Accumulators, Rams and Pumps. Agents: Glenfield & Kennedy, Ltd., 198, Jamshedji Tata Road, Fort, Bombay 1.

Hydrautomat (1931) Ltd., London. Hydrostats and Hydraulic Rams. Agents: Glenfield & Kennedy, Ltd., 198, Jamshedji Tata Road, Fort, Bombay 1.

John Blake Ltd., Accrington, Hydrum Water Raisers. Agents: Richardson & Cruddas Ltd., Byculla.

Leeds Engineering & Hydraulic Co., Ltd., Leeds. Makers of Hydraulic Machinery. Agents: Richardson & Cruddas, Ltd., Byculla.

IMPORT & EXPORT HOUSES

Colonial Exporters, Edinburgh, Scotland. Exporters of Special Scotch Products. Representatives: T. Byramji & Co., Central Bank Buildings, Fort.

INDUSTRIAL ADHESIVES

B. B. Chemical Company Ltd., Industrial Adhesives. "Bostik." Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

INDUSTRIAL INSTRUMENTS

HARRY W. DIETERT, INC., Detroit, U.S.A. Manufacturers of Sand Testing Equipment and Carbon and Sulphur Estimation Equipment. Agents: Pioneer Industries, 21, Forbes Street, P.O. Box No. 1909, Bombay 1. Phone No. 31982. Grams: "PIOMETAL".

PYTOWERK G.M.O.E. WENNIGSEN, Germany. Pyrometric Indicators, Recorders and Controllers. Sole Agents: Pioneer Industries, 21, Forbes Street, P.O. Box No. 1909, Bombay 1. Phone No. 31982. Grams: "PIOMETAL".

TINSLEY (INDUSTRIAL INSTRUMENTS) LTD., London. Manufacturers of Molten Steel Measuring "Pyrometers", "Pyrometers" for open hearth roof; also Pressure detectors and Askania Controllers. Sole Agents: Pioneer Industries, 21, Forbes Street, P.O. Box No. 1909, Bombay 1. Phone No. 31982. Grams: "PIOMETAL".

INDUSTRIAL KETTLES

Mercaton Corporation, U.S.A. Agents for India: Gladwyn & Co., 251, Hornby Road, Fort.

INDUSTRIAL TRUCKS

Douglas (Kingswood) Ltd., 50, Pall Mall, London. Sole Agents: Heatly & Gresham Ltd., 9, Forbes Street, Fort.

INSULATING BOARD & MATERIAL

Continental Diamond Fibre Company, Bridgeport, Pa., U.S.A. Agents: Harcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Diamond Fibre Co., Ltd., 59, Southward Street, London. Agents: Harcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Dr. Beck & Co., G.M.b.H., Hamburg, W. Germany. Insulating Material. Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

Ioco Ltd., Anniesland, Glasgow. Agents: Balmor Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

Mo. & Domejo Trading Co., Ltd., 47, Piccadilly, London, W. 1. Sole Agents: Heatly & Gresham Ltd., 9, Forbes Street, Fort.

INSULATORS (HIGH TENSION)

British Insulated Callender's Cables Ltd., London. Agents: Killick, Nixon & Co., Ltd., Killick Building, Home Street.

Pilkington Brothers Ltd., St. Helens, Lancs., England. Manufacturers of High tension toughened glass insulators. Agents: J. Stone & Co. (India) Ltd., Yaffi Building, Goa Street, Ballard Estate.

Societa Electro-Margetterie, Milano 135, (Italy). High Tension insulator holdings. Agents: Eastern Electric and Engineering Co., 127, Mahatma Gandhi Road, Fort.

Statite & Porcelain Products, Ltd., Stourport. Manufacturers of Overhead Line Equipment. Agents: J. Stone & Co. (India), Limited, Yaffi Building, Goa Street, Ballard Estate.

Wade (Ulster), Ltd., Portadown, Northern Ireland. High tension Insulators. Agents: Eastern Electric and Engineering Co., 127, Mahatma Gandhi Road, Fort.

INSURANCE COMPANIES

Alliance Assurance Co., Ltd., London. (Settlement of Marine Claims). Agents: The Anglo-Thal Corporation Ltd., Ewart House, Bruce Street.

Alliance Assurance Co., Ltd., London (Inc. in England). Representatives: Volkart Brothers, Ballard Estate.

Baloise Fire Insurance Co., Ltd., Basle (Inc. in Switzerland). Representatives: Volkart Brothers, Ballard Estate.

British Law Insurance Co., Ltd., London (Settlement of Marine Claims). Agents: The Anglo-Thal Corporation Ltd., Ewart House, Bruce Street.

Compagnie Belge D'Assurances Maritimes, "Belgamar", Antwerp (Settlement of Marine Claims). Agents: The Anglo-Thal Corporation Ltd., Ewart House, Bruce Street.

Helvetia Swiss Fire Insurance Co., Ltd., St. Gall (Inc. in Switzerland). Representatives: Volkart Brothers, Ballard Estate.

Insurance Company of North America (Inc. in Pennsylvania). Principal Agents: Volkart Brothers, Ballard Estate.

"Levant" Insurance & Reinsurance Co., Genoa. (Settlement of Marine Claims). Agents: The Anglo-Thal Corporation Ltd., Ewart House, Bruce Street.

London Assurance, London (Fire & Marine). Agents: The Anglo-Thal Corporation Ltd., Ewart House, Bruce Street.

Northern Assurance Co., Ltd., London & Aberdeen (Inc. in Great Britain). Principal Agents: Volkart Brothers, Ballard Estate.

Prudential Assurance Co., Ltd., Holborn Bars, London, E.C. 1. All classes of Insurance. Agents: Gillanders Arbuthnot & Co., Ltd., Elphinstone Building, Vir Nariman Road.

Sea Insurance Co., Ltd., Exchange Buildings, Liverpool 2. Marine Claims Settling. Agents: Gillanders Arbuthnot & Co. Ltd., Elphinstone Building, Vir Nariman Road.

Yorkshire Insurance Co., Ltd., Agents: Killick, Nixon & Co., Ltd., Killick Building, Home Street.

IRON, STEEL & BRASS

BETHLEHEM STEEL EXPORT CORPORATION, 25, Broadway, New York, U.S.A. Manufacturers of Tinplate, Structural Steel, Steel Wire, Railroad Equipment. Representatives: Volkart Brothers, Ballard Estate.

Hallamshire Steel & File Co., Ltd., Hallamshire Works, Sheffield 3, England. Sole Agents: H. Chokel & Co., Ltd., 106/108, Meadows Street, Fort, Bombay.

SAVILLE, J. J., & CO., LTD., Triumph Steel Works, Sheffield. Mfrs. of High Speed Carbon & Alloy Tool Steels. Sole Distributors: Volkart Brothers, Ballard Estate.

SOPEX BELGE S. A., Anvers (Belgium). All kinds of Constructional Steels. Agents: Sudhir & Co., opp. New Sugar Market, Frere Road, Bombay 9. Telephone: 32532. Telegram: "SPEEDSTEEL".

STAHLUNION-EXPORT G.m.b.H. Dusseldorf. Steel materials and products of all kinds. The Stahlunion Company Limited, 61, Pall Mall, London S.W. 1.

THE STAHLUNION CO., LTD., Indian House, 4th Floor, Fort Street, Bombay 1. Telegraphic Add.: "MARCA-STEEL" Bombay. Tel.: Branch Offices: Calcutta-Delhi.

VULCAN STEEL AND TOOL CO., LTD., Sheffield. Makers of all Types High-grade Steels and Tools. Agents for India: Sudhir & Co., opp. New Sugar Market, Frere Road, Bombay 9. Telephone: 32532. Telegram: "SPEEDSTEEL".

WALTER SPENCER & CO., LTD., Crescent Steel Works, Warren Street, Sheffield 4, England. Manufacturers of High Speed and Alloy Tool Steels, Carbon Tool Steel, Twist-Drills, Files, Cutters, Hobs, Reamers, Cemented Tungsten & Carbide Tips, Tipped Tools and Tool Bits, etc. Agents: Gaytee & Co., Janmabhoomi Chambers, Fort Street. Grams: "IMPENG."

WILLIAM JESSOP & SONS LTD., Brightside Works, Sheffield. Mfrs. of Steel Forgings, Steel Castings, Permanent Steel Magnets and Cemented Carbide Tipped Tools. Sole Distributors: Volkart Brothers, Ballard Estate.

W. T. Hawkins & Co., Huddersfield. Mfrs. of Iron Cement. Agents: Richardson & Cruddas Ltd., Byculla.

KITCHEN EQUIPMENT

Helmuth A. Jensen, Denmark. Products:—Mix Master Juicers. Agents for India: Gladwyn & Co., 251, Hornby Road, Fort.

LABELLING MACHINES

Rawsons (Labelling Machines) Ltd., Tunbridge Wells, England. Labelling Machines for any Industry. Agents: Weil Company, Chateau Marino, 41-B, Marino Drive, Bombay 1.

LABORATORY CHEMICALS MANUFACTURERS

GENERAL CHEMICAL DIVISION, ALLIED CHEMICAL & DYE CORP., 40, Rector Street, N.Y. 37, New York. Manufacturers of B. & A. quality Laboratory Agents and Fine Chemicals. Sole Agents for Bombay State: R. K. Shapurji & Co., Prospect Chambers, 318 Hornby Road Fort, P.B. No. 1068.

LABORATORY EQUIPMENT

CHR. BECK & SOHNE,—K. G. Kassel, Germany. Manufacturers of Microscopes, Binoculars and other Optical Instruments. Sole Agents for India: J. T. Jagtiani, National House, 6, Tulloch Road, Apollo Bunder, Bombay.

COOK, TROUGHTON & SIMMS LTD., York, England. Manufacturers of Medical, Petrological, Metallurgical Stereoscopic, etc. Microscopes also "VICKERS" Projection Microscopes. Agents: Pioneer Industries, 21, Forbes Street, P. O. Box No. 1909, Bombay 1. Phone No. 31982. Grams: "PIOMETAL."

Eppenbach Inc., Long Island City, N.Y., U.S.A. Agents: Raj-Der-Kar & Co., Commissariat Building, Hornby Road.

Metafiltration Co. Ltd., Hounslow, Middlesex. Metafiltrator for Laboratory and Industrial use. Agents: Roberts, McLean & Co., Ltd., Ilaco House, Sir P. Mehta Road.

THOMAS TYER & CO., LTD., England. "STIRLING" Brand laboratory Chemicals and Reagents: Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

TINSLEY (INDUSTRIAL INSTRUMENTS) LTD., London. Manufacturers of "TINSLEY" Polarographs, Pencil Thickness Gauges. Sole Agents: Pioneer Industries, 21, Forbes Street, P.O. Box No. 1909, Bombay 1. Phone: No. 31982. Grams: "PIOMETAL."

LAMPS AND LANTERNS MANUFACTURERS

Geag Ltd., 53, Victoria Street, London, S.W. 1. Muir's Electric Safety Lamps. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

I. C. I. PLASTICS DIVISION, England. "CRINOTHENE" Lamp-shade Material. Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

Tilley Lamp Co., Ltd., Hendon, N.W. 4. Patent Kerosene Floodlight Projectors. Agents: Roberts, McLean & Co., Ltd., Ilaco House, Sir Phirozshah Mehta Road.

LATCHES, LOCKS & SAFES

Cheney, C. W. & Son, Ltd., Factory Road, Hockley, Birmingham, 19. Agents: Soho House, Lohar Street.

Chubb & Son's Lock & Safe Co., Ltd., 128, Queen Victoria Street, London, E.C. 4. Strong Rooms, Safe Deposits, Safes, Cash Boxes, Locks and Security Equipment. Agents: Marshall Sons & Co. (India) Limited, Marshall Buildings, Ballard Road.

LAUNDRY EQUIPMENT

Manlove Alliot & Co. Ltd., Nottingham. Manufacturers of Sterilizers, Disinfectors, Laundry Equipment, Oil Mill Machinery, etc. Sole Agents: William Jacks & Co. Ltd., Hamilton House, Graham Road, Ballard Estate.

LAWN MOWERS

Alexander Shanks & Son Ltd., Arbroath. Lawn Mowers. Agents: Richardson & Cruddas, Ltd., Byculla.

LEATHER & SKINS

John Ormerod & Sons Ltd., England. Agents: Altex Ltd., 147, Mahatma Gandhi Road, Fort.

Thomas Evans & Sons Ltd., Sawston, Cambridge. Agents: Soho House, Lohar Street.

LEATHER BELTINGS

A. Domange Fils, 74, Boulevard Voltaire, Paris, France. Sole Agents: Gannon Dunkerley & Co. Ltd., Chartered Bank, Building, Fort, Bombay.

LEATHER CLOTHS

Robert Pickles Ltd., Portsmouth Mill, Portsmouth, Near Tadmoran. Agents: Soho House, Lohar Street.

LEATHER GOODS MANUFACTURERS

Bridge of Weir Leather Co. Ltd., Bridge of Weir, Near Glasgow. "Warm-Sit" Leather for Upholstery. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Greenwich Leathercloth Co. Ltd., St. Mary Gray, Kent. Manufacturers of Leathercloth & Plastic Sheetings. Sole Agents: W. A. Beardsell & Co. Ltd., 15-16, Sir Phirozshah Mehta Road, Fort.

Henry F. Cookill & Sons, Ltd., Marfleet Hull, England. Power Transmission Engineers and Specialists in all leather accessories for the textile industry. Trade Marks: "Cleekta" and "Stretchless" "Lancashire Special" and "Lancashire Standard." Agents: The Sising Materials Co. Ltd., Jaroo Building, 137, Mahatma Gandhi Road, Bombay.

Houghton, E. F. & Co., Philadelphia Agents: Hardcastle, Waud & Co., Ltd Alice Buildings, Hornby Road, Fort

LIFTING EQUIPMENT

Hall, J. & E., Ltd., Dartford, Kent. England. Manufacturers of Lifts and Escalators. Sole Agents: Gannon Dunkerley & Co. Ltd., Chartered Bank Building, Fort, Bombay.

LIFTS (ELECTRIC)

Marryat & Scott., London. Electric Passenger and goods Lifts. Agents: John Fleming & Co., Ltd., Bastion Road Fort, Bombay 1.

LIGHTHOUSE BEACONS, MOORING BUOYS, SEA LANTERNS, ETC.

JULIUS PINTSCH WEST—K. G. Frankfurt, Germany. Lighthouse Beacons, Mooring Buoys, Sea Lanterns, etc., etc. Agents: Gaytee & Co., Janmabhoomi Chambers, Fort Street, Bombay 1.

LINOLEUM

Tayside Floorcloth Co., Ltd., Newburgh, Fife, Scotland. Sole Agents: Healy & Gresham, Ltd., 9, Forbes Street.

LITHOGRAPHERS

Laws Robjohns Ltd., Acree Works, Brooklands Road, Weybridge, Surrey. Drawing Office Materials and Equipment. Agents: Gillanders Arbuthnot & Co., Ltd., Elphinstone Building, Vir Narlman Road.

Waterlow & Sons Ltd., 26/27, Gt. Winchester Street, London, E.C. 2. Protective Cheque Specialists, Bank Notes, Bond and Stamp Engravers. Agents: Gillanders Arbuthnot & Co., Ltd., Elphinstone Bldg., Vir Narlman Road.

LOCOMOTIVE EQUIPMENT

Associated Locomotive Equipment Ltd., London. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

Banting & Tresilian Ltd., Moxley, Holmabury, St. Mary, Surrey, England. Sole Agents: Healy & Gresham, Ltd., 9, Forbes Street.

COMPTON DES FERRURES, Charleville (Ardennes), France. Locomotive, Carriage and Wagon Parts. Agents: Gaytee & Co., Janmabhoomi Chambers, Fort Street, Bombay 1.

MATISA EQUIPMENT LIMITED 78, Buckingham Gate, Westminster, London, S. W. 1 (England). Representatives: James Finlay & Co., Limited, P.O. Box No. 73, Bombay 1.

Superheater Co., Ltd., 53, Hay Market, London, S.W.1. Sole Agents for India, Burma and Ceylon: J. Stone & Co. (India), Ltd., Yam Building, 1111 Street, Ballard Estate.

WM. GRIFFITH & SONS LIMITED, Savile Street East, Sheffield, 4 (England). Laminated Springs. Representatives: James Finlay & Co., Limited, P.O. Box No. 73, Bombay 1.

LOCOMOTIVES

Bagnall, W. G. Ltd., Castle Engine Works, Stafford. Steam and Diesel Locomotives, Railway Equipment. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Beyer Peacock & Co. Ltd., Manchester. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street Fort.

Drewry Car Co. Ltd., London. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

DU-CROO & BRAUNS, N. V. Machine-fabrik, Amsterdam, Holland. Steam & Diesel Locomotives for all Rail Gauges. Agents: Associated Machine Tool Co., 130, Meadows Street, Fort, Bombay 1.

NORTH BRITISH LOCOMOTIVE CO. LTD., 110, Flemington Street, Springburn, Glasgow, N. Representatives: James Finlay & Co., Limited, P.O. Box No. 73, Bombay 1.

Ruston & Hornsby Ltd., Lincoln. Narrow & Metre Gauge Diesel Locomotives and Broad Gauge Shunting Diesel Locomotives. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Yorkshire Engine Co., Ltd., Sheffield, England. Steam and Diesel Electric Locomotives. Sole Representatives: The United Steel Companies (India) Ltd., Himalaya House, Hornby Road, Fort.

LOUDSPEAKERS AND PUBLIC ADDRESS EQUIPMENT

Du Kane Corporation, St. Charles, Illinois, U.S.A. Public Address amplifiers, loudspeakers for radio and public address. Flexifone, etc. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Pamphonie—Reproducers, Ltd., London (Pye, Ltd.), Cambridge (England). Public address Equipment. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Realosound Ltd., England. Loudspeaker Units. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

LUBRICATING OILS AND GREASES

Acheson, Colloids Ltd., London. "Colloids Graphite Products", "Oildag", "Aquadag", etc. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Edgar Vaughan & Co., Ltd., Birmingham. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Germ Lubricants Ltd., London. Lubricating Oils and Greases made on the Wells Southcombe Process for increasing oiliness. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Gulf Oil (India) Ltd., Selling Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

Houghton, E. F. & Co., Philadelphia. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Ocean Oil Co. (1942) Ltd., Marine Engine Oils. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Penn Export Petroleum Division, New York, U.S.A. Petrolatums, Technical and Mineral Oils, Lubricants. Representatives: T. Byramji & Co., Central Bank Buildings, Fort.

Tecalemit Limited, Brentford, U.K. Agents: Tecalemit (India) Ltd., 9, Forbes Street, Fort, Bombay.

MACHINE TOOLS

Adcock and Shipley Ltd., Ash Street, Leicester, England. Mfrs. of High precision Drilling & Tapping Machines, Special Machine Tools, etc. Agents in India: Ambee (India) Ltd., Kitab Mahal, Hornby Road, P.O. Box No. 1158.

American Tool Works Company, Pearl and Eggleston Aves., Cincinnati 2, Ohio, U.S.A. Lathes, Shapers and Radial Drills. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

B. S. A. Tools Ltd., Automatic Lathes, etc. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

Barnes Drill Co., 814, Chestnut Street, Rockford, Illinois, U.S.A. Drilling & Housing Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Bullard Co., 286, Canfield Ave., Bridgeport 2, Connecticut, U.S.A. Vertical Turret Lathes. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

C. C. Bradley & Son Inc., Syracuse, N. Y. U.S.A. Power Hammers. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

C. & E. Fein, Germany. Portable Electric Tools. Agents in India: Armstrong Smith Ltd., Gersham Assurance House, Sir Phirozshah Mehta Road, Fort.

Charles Taylor (Birmn.) Ltd., Bartholomew Street, Birmingham 5, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Churchill-Redman Ltd., Parkinson Lane, Halifax. Sole Agents: Healey & Gresham Ltd., 9, Forbes Street, Fort.

Cincinnati Milling Machines, Cincinnati, Ohio, U.S.A. Sole Agents: Healey & Gresham Ltd., 9, Forbes Street, Fort.

Cincinnati Milling Machines Ltd., Woodlands Farm Road, Tyburn, Birmingham, England. Sole Agents: Healey & Gresham Ltd., 9, Forbes Street, Fort.

Cincinnati Shaper Co., Cincinnati, Ohio, U.S.A. Press Brakes, Shears and Shaping Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Consolidated Machine Tool Corp., Rochester 10, N. Y., U.S.A. Heavy Duty Machine Tools. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Covel Hanchett Co., Big Rapids, Michigan, U.S.A. Saw & Knife Machinery. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Craven Brothers (Manchester) Ltd., Heavy Machine Tools. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

Dean Smith & Grace Ltd., Keighley. High Precision Centre Lathes. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

Denhams Engineering Co., Ltd., Empire Works, Holmfild, Halifax, England. Heavy Duty Lathes. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Dowling & Doll Ltd., Greycoat Street, Westminster, London, S.W.1, England. Workshop Machinery. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Electromagnets Ltd., Boxmag Works, Bond Street, Birmingham 19, England. Magnetic Equipment. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

E. W. Bliss Company, 480, Amsterdam Ave., Detroit 2, Mich., U.S.A. Sheet Metal Machinery. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

E. W. Bliss (England) Ltd., City Road, Derby, England. Sheet Metal Machinery. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Flexitol Engineering Company Ltd., Flexitol Works, The Green Ealing, London, W.6, England. Flexible Shaft Equipment. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Fredk. Town & Sons, Ltd., Mile Cross Engineering Works, Gibbet Street, Halifax, England. Radial Drills. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Geometric Tool Co., Blade & Valley Streets, New Haven 16, Connecticut, U.S.A. Die Heads. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

George H. Alexander Machinery Ltd., 82-83-84, Coleshill Street, Birmingham 4, England. Toolroom Machinery. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Gray, G. A., Co., 3611, Woodburn Ave., Cincinnati 7, Ohio, U.S.A. High Speed Planning Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Greenwood & Batley Ltd., Albion Works, Leeds 12, England. Forging Machines & Special Machinery. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Grimston Electric Tools Ltd., Progress Way, Croydon, England. Pillar Drilling Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Hannifin Corporation, 1101, South Kilbourn, Chicago 24, 111, U.S.A. Pneumatic Presses. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Heenan & Froude Ltd., Worcester, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Henry Berry & Co., Ltd., Croydon Works, Hunslet, Leeds, England. Hydraulic Machinery. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Jacobs Manufacturing Co., Hartford 2, Connecticut, U.S.A. Drill Chucks. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

John Harris Tools Ltd., Millers Road, Warwick, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Jones & Shipman Ltd., Machine Tools. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

Joseph Bradbury & Sons, Ltd., England. Machine Tools. Agents in India: Armstrong Smith Ltd., Gersham Assurance House, Sir Phirozshah Mehta Road, Fort.

Joseph Thompson (Sheffield) Ltd., Townhead Street, Engineering Works, Sheffield 1, England. Cutting Tools. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Kerton Sons & Co. Ltd., Royds Foundry & Engg. Works, Royd's Lane, Attercliffe, Sheffield 4, England. Sheet Metal Machinery. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Kennedy Ltd., W., Middlesex, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Kerry's Great Britain Ltd., Warton Road, Stratford, London E. 15, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Leo C. Steine, Ltd., 93, Albert Embankment, London, S. E. 11, England. Automatic Trappers and Thread Generating Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Manchester Repetition Engineers Ltd., Reynold Works, Chell Street, Longsight, Manchester, England. Tool Boxes and Centering Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Micromatic Jone Corporation, 8100 Schoolcraft, Detroit 4, Michigan, U.S.A. Honing Machinery. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Midgley & Sutcliffe Ltd., Hillidge Works, Hunslet, Leeds 10, England. Milling & Drilling Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Morris, B.O., Ltd., Coventry. Machine Tools. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Morton Manufacturing Co., Broadway & Hoyt, Muskegon, Hights, Michigan, U.S.A. "Drawcut" Shapers. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

New Britain Machine Co., New Britain Gridley Machine, New Britain, Connecticut, U.S.A. Multi-spindle Automatic. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Planners (Huddersfield) Ltd., Prospect Iron Works, Lockwood, Huddersfield, England. Planning Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Potter & Johnston Machine Co., 1027, Newport Ave., Pawtucket, Rhode Island, U.S.A. Automatic Chucking Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Pratt & Whitney Co., Division Niles Cement-pond Co., West Hartford 1, Connecticut, U.S.A. Toolroom Machinery, Precision Tools, Cutting Tools. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Racine Tool & Machine Co., 1700, State Street, Racine, Wisconsin, U.S.A. Metal Cutting Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

R. G. Ross & Son Ltd., 120, Tradeston St., Glasgow, C. 8, England. Electric, Pneumatic & Steam Hammers. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Russell, S., & Sons, Ltd., Leicester. Cold Sewing Machines, Saw Sharpening Machines. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

Saunders Tool Co., Denham, Bucks, England. Tool Boxes. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Slack & Parr, Kegworth, Derby, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Sleeper & Hartley Inc., Worcester, Mass., U.S.A. Spring making Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Societe Alsacienne De Constructions Mechaniques, Graffen, France. Staden Machine Tools. Sole Agents: Gannon Drinkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

South Bend Lathe Works, 425, East Madison Street, South Bend 22, Indiana, U.S.A. Precision Lathes. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Standall Engineering Ltd., England. Forging Hammers, Air Compressor Plants. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

Stanley Machine Tool Company Ltd., New Bank, Halifax, England. Screw Cutting Lathes. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Thos. Ryder & Sons Ltd., Turner Bridge Works, Bolton, Lancs, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Townsend Mfg. Co., H. P. Hartford 1, Conn., U.S.A. Screw making Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Turner Machine Tools Ltd., 63-68, Princip Street, Birmingham 5, England. Grinding Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Wm. Asquith Ltd., Radial Drills. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

Wm. Coulthard & Co. Ltd., Engineering Division, Durrant Hill Road, Carlisle, England. Die Casting Machines. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Warner & Swasey Co., 5702 Carnegie Avenue, Cleveland Ohio, U.S.A. Turret Lathes. Agents: Machine Tools (India) Ltd., Imperial Chambers, Ballard Estate.

Waterbury Farrell Foundry & Machin Co., Waterbury, Conn., U.S.A. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Weatherley Oilgear Ltd., Crossley Road, Henton Chapel, Stockport, Cheshire, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Wickman Ltd., Tile Hill Coventry, England. Automatics, Bar & Chuckings, Toolroom Machinery, Carbide Tools. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

MACHINERY (BAG FILLING)

Sack Fillers Ltd., London. Sole Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

MACHINERY (ELEC. & MECH.)

Baldwin Locomotive Works, Philadelphia, Pa., U.S.A., Agents: Raj-Der-Kar & Co., Commissariat Building, Hornby Road, Fort.

Christy & Norris Ltd., Chelmsford. Disintegrators, Hammer Mills, Screening Plant. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Colerate Ltd., London. Manufacturers of Colloidal Mixers and Colloidal GROUTING. Sole Agents in India: J. C. Gammon, Ltd., Hamilton House, Ballard Estate.

Doughnut Corporation of America, 393, 7th Avenue, New York 1. Sole Distributors in India: Refrigeration & Appliances Co., Ltd., Pravin Court, 95 Queen's Road, Bombay 1.

Electric Construction Co. Ltd., 9, Kingsway, London. Electric Motors and Generators. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

Hattersley & Davidson Ltd., Sheffield. Power Hammers, Pipe and Box Locators. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Hindle Son & Co., Ltd., Blackburn. Electric Baling Presses. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

LISTER & CO., LTD. (R. A.), Dursley, Glos. Petrol and Diesel Engines, Pumping, Generating Sets, Cream Separators and Dairy Equipment. Importers: Volkart Brothers, Mechanical Department, Ballard Estate.

Power Plant Co., Ltd., England. Agents: Balmer, Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

Stokes, F. J., Machine Company, Philadelphia, U.S.A. Sole Agents: Raj-Der-Kar & Co., Commissariat Building, Hornby Road, Fort.

SULZER BROTHERS LTD., Winterthur, Switzerland. Diesel Engines, Pumps, Solvent Extraction Plant. Sole Importers: Volkart Brothers, Mechanical Department, Ballard Estate.

Taylor & Jones Ltd., Honley. Reamers & Tool Holders. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road.

Taylor, Taylor & Hobson Ltd., Leicester. Engraving Machines, Pantograph Die Sinking & Milling Machines, Measuring Instruments. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Ballard Estate.

Trumpf & Co., Stuttgart, Weillindorf, West Germany. Electric Metal Cutting Machines. Agents: Weil Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

W. C. Dillon & Company Inc., Chicago 44, Illinois, U.S.A. Agents: Raj-Der-Kar & Co., Commissariat Building, Hornby Road, Fort.

Weston, Shipley & Weston Ltd., Leicester. "Kut-Out" Machines for Pipe Cutting. Agents: Richardson & Cruddas Ltd., Byculla.

MACHINERY MANUFACTURERS

A. J. Amsler & Co., Schaffhouse, Switzerland. Testing Machines, Planimeters, Integrators, Flow meters. Sole Importers: Volkart Brothers, Ballard Estate.

Ateliers Louis Carton Limited, Belgium. Complete Plant and Equipment for Cement, Lime, Plaster, Chalk and Chemical Industries. Contact: Ratanshi Morarji Limited, Prospect Chambers, 317/21, Hornby Road, Bombay 1.

Broom & Wade Ltd., High Wycombe, Bucks, England. Air Compressors Pneumatic Tools. Sole Importers: Volkart Brothers, Ballard Estate.

C. H. E. Manufacturing Co., 3849, North Palmer Street, Milwaukee 12, Wis. (U.S.A.) Sole Agents in India: Excellent Engineering Co., Botawala Building, Elphinstone Circle, Fort.

Cement Gun Co., Ltd., London. Agents: John Fleming & Co., Ltd., Bastion Road, Fort, Bombay 1.

DELMAG, Maschinenfabrik Reinhold-Dornfeld Esslingen Am Neckar, Germany. Manufacturers of Diesel pile Driver; Multipurpose Petrol Rammer and Delmag frog Petrol Rammer. Handy and easily portable,

very useful in River Valley Projects, consolidation of highways and Embankments. Available in Light and Heavy duty. Sole Selling Agents in India: C. Sole & Co., 61, Narayan Dhuru Street, Bombay 3.

Herlan & Co., Germany. Mfrs. of Collapsible Tube Making Plant. Agents for India: Gladwyn & Co., 251, Hornby Road, Fort.

Joy Manufacturing Co., Michigan City, U.S.A. Mining Machinery, Construction Machinery, Drills. Sole Importers: Volkart Brothers, Ballard Estate.

Lubecawerke G.m.b.H., Germany. Mfrs. of Double Seamers. Agents for India: Gladwyn & Co., 251, Hornby Road, Fort.

Maskinfabriken Skandla A/s, Denmark. Agents for India: Gladwyn & Co., 251, Hornby Road, Fort.

Rieck & Melzian, Germany. Agents for India: Gladwyn & Co., 251, Hornby Road, Fort.

Societa Napoletana (Bencini), Italy. Agents for India: Gladwyn & Co., 251, Hornby Road, Fort.

STAHL UNION-EXPORT G.m.b.H. Dusseldorf Steel Materials and products of all kinds. The Stahlunion Co., Ltd., 61, Pall Mall, London S.W. 1.

STAHLUNION CO., LTD., Indian House, 4th Floor, Fort Street, Bombay 1. Telegraphic Add.: "MARCASTEEL" Bombay. Tel.: Branch Offices: Calcutta—Delhi.

Sturtevant Engineering Co., Ltd., England. Crushing, Grinding, Screening, Separating, and Mixing Machinery for all Industries including Laboratory Machinery. Contact: Ratansi Morarji Limited, Prospect Chambers, 317/21, Hornby Road, Bombay 1.

Vickers-Armstrongs Ltd., Vickers House, Broadway, Westminster, London, S.W. 1. Agents: Vickers (Eastern) Ltd., Killick Building, Home Street, Fort.

MACHINERY PRESSURE GAUGES

EAGLE & WRIGHTS STEAM GAUGE & FITTING CO., 87, Carver Street, Birmingham 1, England. Manufacturers of Bourdon's Pressure, Vacuum, Compound, Hydraulic Gas and Other Gauges. Sole Agents for Bombay, State: R. K. Shapurji & Co., Prospect Chambers, 319, Hornby Road, Fort. F.B. No. 1065.

MACHINERY (TEXTILE)

Armstrong Cork Co., Lancaster, Pa., U.S.A. Agents: Roberts McLean & Co., Ltd., Ilaco House, Sir Phirozshah Mehta Road.

Arundel Coulthard & Co., Ltd., Stockport. Doubling, Winding and Gassing Frames. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Arundel Coulthard & Co., Ltd., Preston. Spindles, Rings, Lawn Mowers. Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Atwood Division Universal Winding Co., Hartford, U.S.A. Silk Machinery. Representatives: W. H. Brady & Co., Ltd., 12-14, Churchgate Street, Fort, Bombay 1.

Cook & Co., Manchester, Ltd., Spinning and Doubling Travellers, Card Vacuum Stripping Plants, Spinning Specialties. Sole Representatives: W. H. Brady & Co., Ltd., 12-14, Churchgate Street.

Cooper, C. & Sons, Radcliffe, Manchester. Acme Gearing and Double Folding Machines. Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Daniel Foxwell & Sons, Ltd., Cheadle, Manchester. Cloth Rolling, Folding, Measuring and Lapping Machinery. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Dronsfield Bros. Ltd., Oldham. Card Mounting, Grinding, Testing and Roller Covering Machinery. Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Dronsfield Bros., Ltd., Oldham. Card Mounting and Grinding Machinery, Roller Covers Plant. Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Dronsfield Bros. Ltd., Oldham. Grinding Equipment, Emery, Fillet Roller Covering Machinery. Concessionaires: Greaves Cotton & Co. Ltd., 1, Forbes Street, Fort.

George Clayton Ltd., Preston. Healds & Reeds. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

George Metcalf & Co., Ltd., Oldham. Warpers and Sizing Expanding Combs, Straight or Zig-Zag pattern. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

George Orme & Co., Ltd., Oldham. Hank Indicators, Pick Counters. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Goodbrand & Co., Ltd., Stalybridge. Yarn & Cloth Testing Machines. Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Gregson & Monk, Ltd. (Incorporating Alherton Bros. Ltd.), Preston, England. Manufacturers of Plain and Automatic Looms and Preparing Machinery. Sole Agents: The Sizing Materials Co., Ltd., Jerroo Building, 137, Mahatma Gandhi Road, Bombay 1.

Grob & Co. Ltd., Horgen, Switzerland. Wire and Flat Steel Healds. Sole Importers: Volkart Brothers, Ballard Estate.

H. Brinton Company, Philadelphia, U.S.A. Automatic Knitting Machinery. Representatives: W. H. Brady & Co., Ltd., 12-14, Churchgate Street, Fort, Bombay 1.

Harding Rhodes & Co., Ltd., Leeds. Hard Wood, Lags for Roving Waste Openers. Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Henry Livesey Ltd., Blackburn. Weaving Machinery. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Henry Mills & Sons Ltd., Tottington, Bury. Plain Automatic and Handloom Shuttles for Cotton, Silk and Art Silk, Self-threading Shuttles. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Hodges P. & Co., Ltd., Nottingham. High Speed Braiding and Twisting Machinery. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Jakob Jaeggli & Cie, Winterthur, Switzerland. Automatic Yarn Mercerising Machines, etc. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

James Farmer Norton & Co., Ltd., Sir, Manchester. Dyeing, Bleaching, Printing & Finishing Machinery, Paper-making Machinery, Wire Drawing and Steel Rolling Machinery, Tungsten Carbide and Diamond Dyes. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

James Waddington & Sons Ltd., Bradford. Loom Shuttles. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

John & Abel Lees Dobb Ltd., Barnsley. Fluted Rollers. Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

John Atkinson & Son (Sowerby Bridge) Ltd., England. Agents: Altex Ltd., 147, Mahatma Gandhi Road, Fort.

John Greenhalgh & Sons Ltd., Oldham. Willow Machines. Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

John T. Hardaker Ltd., Bradford. Jacquards and Jacquard Sundries. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Joseph Cadman & Sons Ltd., Liversedge. Condenser Rubber & Tapes. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Joseph Stubbs & Co., Ltd., England. Agents: Altex Ltd., 147, Mahatma Gandhi Road, Fort.

Law (Samuel) & Sons, Cleckheaton. Card Clothing for Cotton, Woollen and Silk Mills. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Lockett, Crossland & Co., Manchester. Engravers of Copper Printing Rollers. Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Longclose Engineering Co. Ltd., Leeds. Cheese, Cone & Beam Dyeing Plants. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Martin Holt Ltd., England. Agents: Altex Ltd., 147, Mahatma Gandhi Road, Fort.

Mather & Platt Ltd., Manchester. Dyeing, Bleaching and Finishing Machinery. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort, Bombay.

Muschamp Taylor Limited, Ashton-under-Lyne, England. Manufacturers of Textile Machinery and Accessories. Sole Concessionaires in India for Messrs. A. Titan, Denmark, Robert Reiner, Weehaw-Ken, New Jersey, U.S.A., Foster Machine Co., Massachusetts, U.S.A., Costruzioni Meccaniche Go & Bacci Degli Eredi di Mario Go, Novara, Italy, etc. Sole Agents: The Sizing Materials Company Limited, Jerroo Building, 137, Mahatma Gandhi Road, Bombay 1.

Philipson & Co. (Bolton) Ltd., Bolton. Patent Hat Stripping Brushes. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Pol Paxion Skewer, France. Re-Tipping Machines. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Pulrose Co., Ltd., England. Agents: Altex Ltd., 147, Mahatma Gandhi Road, Fort.

RIETER & CO., LTD. (J. J.), Winterthur, (Switzerland). Cotton Spinning Machinery. Sole Importers: Volkart Brothers, Ballard Estate.

Ruti Loom Works, Ruti (Zch.), Switzerland. Cotton & Silk Looms. Sole Importers: Volkart Brothers, Ballard Estate.

Ryden Mill Stores Ltd., England. Agents: Altex Ltd., 147, Mahatma Gandhi Road, Fort.

Sagar, W. & J., Ltd., Colne, Welsh and Persian Roller Skins. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Samuel Pegg & Son, Leicester. Bleaching, Dyeing and Finishing Machinery for Hosiery Trade. Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Saurer, A. G. (Ad.), Arbon, Switzerland. Ribbon Looms. Importers: Volkart Brothers, Ballard Estate.

Schweiter Ltd., Horgen, Switzerland. Cotton Winding Machines. Sole Importers: Volkart Brothers, Ballard Estate.

Societe Alsacienne De Constructions Mecaniques, Mulhouse, France. Textile Machinery for Cotton & Worsted. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Staubli & Co., Horgen, Switzerland. Dobbies. Sole Importers: Volkart Brothers, Ballard Estate.

Sykes & Oliver Ltd., Littleborough. Roller Cloths, Clearer Cloths, Sizing Flannels, Endless Clearer Cloths for drawing and combers, friction flannel. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

T. W. Riley & Co., Ltd., Rochdale. Cloth Raising Machines. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Thos. Holt Ltd., Rochdale. High Speed Winding & Warping Machines. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Uster Engineering Co., Uster, Switzerland. Warp Tying Machines. Importers: Volkart Brothers, Ballard Estate.

Vaughan Sampson & Co., W., Liversedge, Hydraulic Ram Rings, Cups, etc. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Vollonwelder, Sam., Horgen, Switzerland. Shearing Machines. Sole Importers: Volkart Brothers, Ballard Estate.

Wright Hargreaves Engineering Co., Ltd., Blackburn. Vacuum Card Stripping Equipment. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

MACHINES (ADDING, CALCULATING, NUMBERING)

ENGLISH NUMBERING MACHINES, LTD., 25, Queensway, Enfield, Middlesex, England. Numbering, Counting and Dating Machines of every description. Representatives: Latham Abercrombie & Co., Ltd., Forbes Building, Home Street, Fort.

MACHINES (INJECTION MOULDING)

E.M.B. Company Ltd., West Bromwich. Die Casting Machines, Injection Moulding Machines and Compression Moulding Machines. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

MAGNET WIRES

Fine Wires Ltd., Nottingham (England). All types of magnet wires. Agents: Eastern Electric and Engineering Co., 127, Mahatma Gandhi Road, Fort.

MAINTENANCE EQUIPMENT (ELEC. AND MECH.)

Martindale Electric Co., Ltd., London and Cleveland, Ohio, U.S.A. Electrical and Mechanical Maintenance Equipment, Comminutes and Blowers. Representatives: Asca Electric Ltd., Goa Street, Ballard Estate.

MARINE ENGINES

Kromhout Mororen Fabrik D., Goedkoop Tr. N. V. Holland. Agents: Chemical Engineering Corporation, 7-10, Elphinstone Circle, Fort.

Samofa, N. V., Amsterdam. Agents: Chemical Engineering Corporation, 7-10, Elphinstone Circle, Fort.

MARKING EQUIPMENT

Funditor Ltd., Woodbridge Street, London E. C. 1, England Marking Machinery. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

MATERIAL & MECHANICAL HANDLING EQUIPMENT

Lansing Bagnall Limited, England. Material Handling Equipment for every industry. Contact: Ratansil Morarji Limited, Prospect Chambers, 317/21, Hornby Road, Bombay.

Matterson Limited, Rochdale, England; Electric and Pneumatic Pulley Blocks, Overhead Travelling Cranes, Infinitely variable speed Gears, Reduction and Speed Change Gear Boxes. Contact: Ratansil Morarji Limited, Prospect Chambers, 317/21, Hornby Road, Bombay 1.

MEASURING INSTRUMENTS

L. M. Ericssons Matinstrument Aktiebolaget, Stockholm, Sweden. Manufacturers of Electricity Meters and Switchboard Instruments. Representatives: Asca Electric Ltd., Yam Building, Goa Street, Ballard Estate.

Taylor of London Ltd., London, England Water Meters, Waste & Cocks Fittings. Agents: John Fleming & Co., Ltd., Bastion Road, Fort, Bombay 1.

MECHANICAL ENGINEERING PRODUCTS

Ansaldo, S.A., Piazza Carignano, Genova (Italy). Installations Steam Electric Generating stations, sluice gates, Storage Tanks. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

MECHANICAL EQUIPMENT

J. Collis & Sons, Ltd., London. Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

Teleflex Products Ltd., London. Sole Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

METAL DOORS AND WINDOWS

Gibbons James, Ltd., St. John's Works, Wolverhampton, England Sole Agents: Healey & Gresham Ltd., 9, Forbes Street, Fort.

James Sandy Pty., Ltd., Sydney, Australia. Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

METAL MANUFACTURERS

IMPERIAL CHEMICAL INDUSTRIES LTD., Metals Division, England. Non-ferrous Metals and Alloys. Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

Norddeutsche Ueberseesgesellschaft in Hamburg m.b.H., 9 Steinhof, Elbhof Hamburg 11. Metals and Alloys. Sole Distributors: F. Bock & Co., Shale Building, Bank Street, Fort, Bombay 1.

Wiggin Henry & Co., Ltd., London. Monel Metal and Nickel Alloys. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

METAL POWDER

Murex Ltd., Rainham, Essex. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

METAL TUBING

United Flexible Metallic Tubing Co., Ltd., Ponders End, Middlesex. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

MICROPHONES AND PICKUPS

American Microphone Co., Los Angeles, California. Microphones & Pickups. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort, Bombay.

MILL & GIN STORE SUPPLIES

Bennet Heyde J. & Co., Manchester. Tappers and Divals Packings. Agents: J. D. Jones & Co. (Bombay), Ltd., Rustom Building, Churchgate Street, Fort.

Frankland Bros., Blackburn. Loom Pickers and Shutties. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Haydock & Drake Ltd., Blackburn. Healds and Reeds. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Henry Tetlow & Sons, Manchester. Healds and Reeds. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

John Atkinson & Son (Sowerby Bridge) Ltd., England. Agents: Altex Ltd., 147, Mahatma Gandhi Road, Fort.

JOHN WHITLEY & SONS, Card clothing House, Lindley, Huddersfield, England. Card Clothing; Representatives: James Finlay & Co., Limited, P.O. Box No. 73, Bombay 1.

Jones Textilities, Export Co., Ltd., Blackburn, England Manufacturers of Healds, Reeds, Bobbins and all Loom Sundries. Managers: The Sizing Materials Co., Ltd., Jerroo Building, 137, Mahatma Gandhi Road, Bombay 1.

Joseph Sykes Brothers, Huddersfield. Card Clothing. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Kenyon & Son, Ltd. (James) Bury, Lancs. Textile Clothing and Filter Cloth. Sole Importers: Volkart Brothers, Ballard Estate.

Kershaw, J. & Sons Ltd., Bolton (Lancs.). Roller Skins. Sole Importers: Volkart Brothers, Ballard Estate.

Lupton Bros., Accrington. Loom Sundries. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Platt Bros. & Co., Ltd., Oldham. Cotton Gins & Openers. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Pulrose Co., Ltd., England. Agents: Altex Ltd., 147, Mahatma Gandhi Road, Fort.

Robert Hyde & Co., Ltd., Staleybridge. Machinery Cloths for Cotton Spinning. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

William Kenyon & Son Ltd., Dukinfield, Cheshire. F.I. Cotton Driving Rope and Banding. Spindles, Tape and Twine. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

MINERAL WATERS, SQUASHES, CORDIALS, ETC.

Societe Des Eaux Mineral Source Cachat Evian Les-Bains. Sole Distributors Spencer & Co., Ltd., Spencer's Building, Forjett Street, Bombay 26.

MINING MACHINERY & EQUIPMENT

Colliery Engineering Ltd., England. Coal Preparation and Screening Plants. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

Joy Manufacturing Co., Michigan City, U.S.A. Air Compressors Mining Machinery, Construction Machinery. Sole Importers: Volkart Brothers, Ballard Estate.

R. E. Barker & Co., Ltd., England. Barfill Rollers. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

Sheepbridge Equipment Ltd., England. Tuggers, Haulages, Mine Cars, Vibrating Screens. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate.

Ukels Engineering Co. Ltd., New Port, Mons. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

MOTION PICTURE EQUIPMENT MANUFACTURERS

Aga Svenska Ab Gasaccumulator, Stockholm-Lidingo, Sweden. Agents: International Talkie Equipment Co., Ltd., 17, New Queen's Road, Bombay 4.

C. Conradty, Postfach, 72, Nuernberg, West Germany. Agents: International Talkie Equipment Co., Ltd., 17, New Queen's Road, Bombay 4.

Eugen Bauer, G. M. B. H., Stuttgart-Unterturkheim, West Germany. Agents: International Talkie Equipment Co., Ltd., 17, New Queen's Road, Bombay 4.

Forest-Harrison Inc., 207, Railroad Ave. Harrison, New Jersey, U.S.A. Agents: International Talkie Equipment Co., Ltd., 17, New Queen's Road, Bombay 4.

Klangfilm, G. M. B. H. (17a), Karlsruhe/Baden, West Germany. Agents: International Talkie Equipment Co., Ltd., 17, New Queen's Road, Bombay 4.

MOTOR ACCESSORIES

H. D. Jackson Co., Ltd., Summit Works, Walsall Agents: Soho House, Lohar Street.

MOTOR CYCLES MFRS.

ASSOCIATED MOTOR CYCLES LTD. (Prop. : A. J. S. Motor Cycles), Plumstead Road, London, S.E. 18. Distributors: Autocars Ltd., 43, Queen's Road.

HARLEY-DAVIDSON MOTOR CO., Milwaukee 1, Wis., U.S.A. Makers of Motor Cycles, Servi-Cars and Package Trucks. Distributors: Autocars Ltd., 43, Queen's Road.

INTERPRO ENGINEERING CO., LTD. 26, King Street, Cheapside, London E.C. 2; Makers of "Cyclomaster" Auto Attachments; Distributors: Autocars Ltd., 43, Queen's Road, Bombay 2.

Triumph Engineering Co., Ltd., Triumph Motor Cycles. Sole Agents: J. L. Morison, Son & Jones (India), Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

MOTORS & GENERATORS

Electromotoren Werke, Kalsen-Berlin. Agents: Chemical Engineering Corporation, 7-10, Elphinstone Circle, Fort.

MUSICAL INSTRUMENTS

Carbonari Primo, Castelfidardo, Italy. Sole Agents: Commodities Exchange Corporation, Jan Mansion, Sir Phirozshah Mehta Road, Fort.

NON-FERROUS METALS

Ferro Metal & Chemical Corp. Ltd., 80, Coleman Street, London, E.C. 2. Agents: Associated Agencies (Bombay), 47, Podar Chambers, Parsee Bazar Street, Fort.

Henry Wiggin & Co., Ltd., Sunderland House, Curzon Street, London, W. 1. Monel Metal. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

I. C. I. LTD., Metals Division, Manchester. Brass, Copper, Aluminium and other non-ferrous metals. Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

Manganese Bronze & Brass Co. Ltd., Ipswich. Agents: Guest Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

Mond Nickel Co., Ltd., London. (Nickel). Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

NUT & BOLT MAKING MACHINES

Etchells David & Son Ltd., Bull Piece Works, Darlaston S. Staffs, England. Sole Agents: Heatly & Gresham Ltd., 9, Forbes Street, Fort.

OFFICE APPLIANCES AND EQUIPMENT

Addressograph-Multigraph Corporation, Cleveland, Ohio, U.S.A. Agents for India: The National Cash Register Co., Transport House, Colaba Causeway, Bombay 1.

Addressograph-Multigraph Ltd., London, England. Agents for India: The National Cash Register Co., Transport House, Colaba Causeway, Bombay 1.

Brunswick Maschinenwerke A. G. Braunschweig, Western Germany. Agents: Prince, H. L. & Son, 9, Lily Court, Churchgate Reclamation, Bombay.

Friden Calculating Machine Co., Inc., California (U.S.A.). Manufacturers of Friden Automatic Calculators. Sole Agents for India: The National Cash Register Co., Transport House, Colaba Causeway, Bombay 1.

Kalamazoo Ltd., Kalamazoo Works, Northfield, Birmingham. Loose Leaf Equipment. Agents: Gillanders Arbuthnot & Co., Ltd., Elphinstone Building, Vir Nariman Road.

UNIVERSAL POSTAL FRANERS LTD., Frankpost works, London N-18, Postal Franking and Stamp Cancellation Machines, Totometer-Counting & Imprinting Machines. Sole Agents: Kilburn & Co., Ltd., P.O. Box 565, Bombay, Phone: 31908.

OIL BURNERS

Nu-Way Heating Plants, Ltd. "Rotovac" Burners. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

Todd Oil Burners Ltd., London. Oil Burners. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Walsend Slipway & Engineering Co., Ltd., Walsend-on-Tyne, England. Sole Agents: Heatly & Gresham, Ltd., 9, Forbes Street.

WOODWARD BROS. & CAPELIN LTD., U.K., For Foundry, Lamps, Cupola Lighters, Large Pressure Burners for Railroads etc., Sole Agents: Pioneer Industries, 21, Forbes Street, P.O. Box No. 1909, Bombay 1; Phone No. 31982. Grams: "PIOMETAL".

OIL ENGINES

BLACKSTONE & CO., LTD., Stamford. Oil Engines and Unchokeable Pumps. Importers: Volkart Brothers, Ballard Estate.

LISTER MARINE (SALES) LTD., Dursley, Glos. Marine Diesel Engines. Importers: Volkart Brothers, Ballard Estate.

Lister & Co., Ltd. (R.A.), Dursley, Glos. Petrol and Diesel Engines, Pumping, Generating Sets, Cream Separators and Dairy Equipment. Importers: Volkart Brothers, Ballard Estate.

Ruston & Hornsby Ltd., Lincoln & Grantham, England. Horizontal and Vertical Diesel, Petrol-Kerosene and Petrol Engines. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Sulzer Brothers Ltd., Winterthur, Switzerland. Diesel Engines, Pumps, Boilers. Sole Importers: Volkart Brothers, Ballard Estate.

OIL & FUEL METERS

Gilbert & Barker Manufacturing Co. Ltd., Springfield, U.S.A. Brodie Meters. Agents: Tecalemit (India) Ltd., 9, Forbes Street, Fort, Bombay.

Stemco Limited, London, U.K. Brodie Meters. Agents: Tecalemit (India) Ltd., 9, Forbes Street, Fort, Bombay.

OIL MILLING MACHINERY

Sulzer Brothers Ltd., Winterthur, Switzerland. Batch type Solvent extraction plants. Sole Importers: Volkart Brothers, Ballard Estate.

V. D. Anderson Co., Cleveland, Ohio, U.S.A. Oil expellers, Continuous Solvent extraction plants. Sole Importers: Volkart Brothers, Ballard Estate.

ORE DRESSING & CHEMICAL EQUIPMENT

DENVER EQUIPMENT CO., Denver, U.S.A. Agents: Pioneer Industries, 21, Forbes Street, P.O. Box No. 1909, Bombay 1. Phone No. 31982, Grams: "PIOMETAL".

PACKAGE STENCILLING MACHINES

Chase Bottle & Supply Corporation, New York, U.S.A. Machinery and Pharmaceutical Manufacturing Machinery. Agents: T. Byramji & Co., Central Bank Building, Fort.

MARSH STENCIL MACHINE CO., Belle Ville, Illinois, U.S.A. Package Stencilling Machines and Supplies. Representatives: Latham Abercrombie & Co., Ltd., Forbes Building, Home Street, Fort.

PACKING & JOINT RINGS

Batey Metallic Packing Co., St. Peters, Newcastle-on-Tyne, England. Agents: Heatly & Gresham, Ltd., 9, Forbes Street.

British Metallic Packing Co. (1938), Ltd., Britimp Works, Sidcup, Kent, England. Sole Agents: Heatly & Gresham Ltd., 9, Forbes Street, Fort.

PACKINGS & JOINTINGS

Asbestos Jointings Ltd., Birmingham, England. Steam Jointings and Packings "Glassolite", the best Glass Substitute, "Evelite" Metal-to-Metal Jointing Cement, Zephyroid, sheet packing for Oil & Liquors; Asbestos round and square packings, Lagging Ropes. Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

BELDAM ASBESTOS CO., LTD., Lascar House, Eoumslow, England, High Pressure Steam, Acid and Alkali Packings & Jointings; Sole Agents: Kilburn & Co., Ltd., P.O. Box 565, Bombay.

Hulburd Patents Ltd., 24-26, Park Road, North, Acton W. 3, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Walker, James & Co., Ltd., Woking Surrey, England. "Lion" Brand Packings and Jointings. Agents: Roberts, McLean & Co., Ltd., Ilaco House, Sir Phirozshah Mehta Road, Fort.

PADLOCKS & KITCHENWARE

Henry Squire & Sons Ltd., Near Willenhall, Staffs, New Invention. Agents: Soho House, Lohar Street.

PAINTS, ENAMEL & VARNISHES

American Gilsonite Co., 1145, East Jersey Street, Elizabethtown, New Jersey, U.S.A., Miners and Suppliers of Gilsonite. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Aspinalls (Paints) Ltd., Carleton, Skipton, Yorkshire. Sole Agents: B. Paul & Co., Behramji Mansion, Sir Phirozshah Mehta Road, Fort.

Canadian Bronze Powder Works, Ltd., Montreal, 3, P. Q. Distributors: Jagkumar & Co., Prospect Chambers Annexe, Hornby Road, Fort.

Ciech, Ul. Jazna, 10, Warsaw, Poland. Sole Agents for India: Chemidye Trading Co., Ltd., Kamer Building, Cawasji Patel Street, Fort, Bombay.

Colour Trading Co., Ltd., London. Sole Agents: B. Paul & Co., Behramji Mansion, Sir Phirozshah Mehta Road, Fort.

Docker Bros., Rotton Park Street, Birmingham 16. Agents: Gillanders Arbuthnot & Co. Ltd., Elphinstone Building, Vir Nariman Road.

Hangers Paints, Ltd. (formerly Hanger, Watson & Harris Ltd.), Hull, England. Manufacturers of Paints, Colours, Enamels and Varnishes. Trade Mark: "Lady Brand". Sole Agents: The Sizing Materials Co., Ltd., Jeroo Building, 137, Mahatma Gandhi Road, Bombay 1.

H. Kohnstamm & Co., Inc., 83/93, Park Place, New York. Agents: Associated Agencies (Bombay), 47, Podar Chambers, Parsi Bazar Street, Fort.

I. C. I. LTD., Paints Division, England. "DUCO" & "DULUX" Paints and A.C.P. Heat-treatment processes. Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

Morrison Charles Composition Co., Ltd. "Capstan" Brand Paints. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Starline Varnish & Enamel Co., Ltd., England. Agents: Universal Export & Import Co., Swadeshi Mills Estate, New Queen's Road.

PAPER BAGS FOR PACKAGING

Paper Sacks Ltd., London. Sole Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

PAPER MACHINERY

Establissement Martel Catala, Salestat Bas Rhin France, Manufacturers of Wire Cloths. Agents: Gannon Dunkerley & Co. Ltd., Chartered Bank Building, Fort, Bombay.

PAPER MFRS. & MERCHANTS

Bowaters Sales Co. Ltd., London & New York. Paper Manufacturers and Merchants. Sole Agents: W. A. Beardsell & Co. Ltd., 15-16, Sir Phirozshah Mehta Road, Fort.

Cenmerco Corporation, 142, 144, 146, Logan Avenue, Jersey City, 6, New Jersey, U.S.A. Agents: Associated Agencies (Bombay), 47, Podar Chambers, Parsoe Bazar Street, Fort.

CHARLES MORGAN & CO., LTD., Paper Merchants, 46-58, Mansell Street, London, E. 1. Agents: Wiggins, Teape & Alex. Pirie (Export) Ltd., Kamani Chambers, Nicol Road.

FINNISH PAPER MILLS ASSOCIATION, Department 1, Helsinki, Finland. Newsprint; Representatives: James Finlay & Co., Limited, P.O. Box No. 73, Bombay 1.

FINNISH PAPER & BOARD CONVERTERS' ASSOCIATION, Unionin-Katu, 19, Helsinki, Finland; Representatives: James Finlay & Co., Limited, P.O. Box No. 73, Bombay 1.

Lustrom Stenorn Gefjergatam, 3A, Gatebarg, Sweden. Agents: Associated Agencies (Bombay), 47, Podar Chambers, Parsi Bazar Street, Fort.

STORM & BULL LTD., Oslo, Norway. Agents: R. K. Gandhi & Co., Aga Khan Building, Dalal Street, Fort, Bombay. Phone 25325. Grams: "BOARD PAPER".

PAPER MILLS

Barkhouse & Coppock Ltd., "Perfection" Postal Wrappers. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Cincinnati Industries Inc., Cincinnati (Lockland), Ohio, U.S.A. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Otto Bachmann K. G. Saulgau, W. Germany. Wrapping Paper etc. Agents: Weil Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

Smith, Stone & Knight Ltd., Wrapping Papers, Corrugated Strawboards, etc. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Transparent Paper Ltd., Bury, Lancashire. "Dlophane" Transparent Papers. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

PAPER MILL EQUIPMENT

Conrad Munzinger, Olten Switzerland, Manufacturers of Paper Machine Felt. Sole Agents: Gannon Dunkerley & Co. Ltd., Chartered Bank Building, Fort, Bombay.

PAPER RECORDING CHARTS AND ROLLS

Euran Paperi Oy., Kantha (Finland). Paper recording Charts and Rolls. Agents: Eastern Electric and Engineering Co., 127, Mahatma Gandhi Road, Fort.

PAPER TRANSFERS

Tearne & Sons Ltd., All Saint's Road, Birmingham, England. Sole Agents: Heafly & Gresham Ltd., 9, Forbes Street, Bombay.

PATENT GLAZING BARS

Pennycook Patent Glazing & Engineering Co., Ltd., 38, Bath Street, Glasgow C.2, Scotland. Sole Agents: Heafly & Gresham, Ltd., 9, Forbes Street, Fort.

PERFUMERY

Parfums Lucien Lelong, Ltd., Perfumes. Sole Agents: J. L. Morrison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Roger & Gallet, France, Switzerland and England. Perfumery and Toilet Requisites. Representatives: T. Byramji & Co., Central Bank Buildings, Fort.

PETROLEUM PRODUCTS

Purfnol Ltd., London. Suppliers of Petroleum Products. Agents: The Anglo-Thal Corporation Ltd., Ewart House, Bruce Street.

PETROLEUM PRODUCTS HANDLING & MARKETING EQUIPMENT

Emco Brass Manufacturing Co. Ltd., of the U.K., U.S.A. and Canada. Agents: Tealemit (India) Ltd., 9, Forbes Street, Fort, Bombay.

Gilbert & Barker Manufacturing Co. Ltd., Springfield, U.S.A. Agents: Tealemit (India) Ltd., 9, Forbes Street, Fort, Bombay.

Stemco Limited, London, U.K. Agents: Tealemit (India) Ltd., 9, Forbes Street, Fort, Bombay.

PHARMACEUTICALS

Alfa Pharmaceuticals Ltd. "Dillex" Gripe Mixture. Sole Agents: J. L. Morrison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

American Cyanamid Co., Inc., New York. Cyanogas, Calcium Cyanide for Plague Control. Agents: Shaw Wallace & Co., Ltd., 3, Wiltet Road, Ballard Estate.

Beecham Group Ltd., Lactopeptine. Sole Agents: J. L. Morrison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Beecham (Northern) Ltd., Pharmaceuticals. Sole Agents: J. L. Morrison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

British Cod-Liver Oils (Hull and Grimsby) Ltd., England. Sole Agents for India: Carr & Co., Ltd., P. O. Box 152, Bombay.

British Schering Ltd., 220-231, Kensington High Street, London, W.8. Sole Importers for India: Messrs. Indian Schering Ltd., Mercantile Chambers (1st Floor), Graham Road, Ballard Estate, Bombay.

BYK GULDEN, Germany. Pharmaceutical Preparations. Sole Distributors in India: Dey's Medical Stores Ltd., Himalaya House, Hornby Road, Fort, Bombay 1.

C. & E. Morton Ltd., Bicarbonate of Soda, Epsom Salts etc. Sole Agents: J. L. Morrison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Carnegie Chemical (Welwyn) Ltd., Welwyn Garden City, Hertfordshire. Fine Chemicals. Agents: Gillanders Arbuthnot & Co. Ltd., Elphinstone Building, Vir Nariman Road.

CHARLES MACDONALD PTY. LTD., Sydney, Australia. Manufacturers of Pharmaceutical Products. Sole Agents for India: United Industries Corporation, Yusuf Building, Mahatma Gandhi Road, Fort.

CHAS. PFIZER & CO. INC., 44, Exchange Place, New York 4, N.Y., U.S.A. Sole Distributors in India: Dey's Medical Stores Ltd., Himalaya House, Hornby Road, Bombay 1. Phone: 28676.

Chas. Pfizer & Co., Inc., 81, Malden Lane, New York 7, N.Y. Distributors: F. Bock & Co., Shale Building, Bank Street, Fort.

CIBA LIMITED, Basle (Switzerland). Manufacturers of Pharmaceutical Specialties, etc. Sole Representatives for India: Ciba Pharma Limited, Esplanade House, Waudby Road, Fort.

Clech, Ul. Jasna, 10, Warsaw, Poland. Sole Agents for India: Warsidye Trading Co., Ltd., Kamer Building, Cawasji Patel Street, Fort, Bombay.

Commercial Solvents Corporation, New York 10, U.S.A., "Penicillin Preparations". Agents: Fairdeal Corporation Ltd., Lakshmi Building, Sir Phirozshah Mehta Road.

Conray Products Co., 200 West 34th Street, New York 1, N.Y. Fine Chemicals/Pharmaceuticals Distributors: F. Bock & Co., Shale Building, Bank Street, Fort, Bombay 1.

Conray Products Co., New York, U.S.A. Hormones, Drugs & Pharmaceutical Chemicals, etc. Agents: T. Byramji & Co., Central Bank Building, Fort.

Dakin Brothers, Ltd., London. Agents: Universal Export & Import Co., Swadeshi Mills Estate, New Queen's Road.

De Witt & Co., E. C. Ltd., London. "De Witt's Kidney and Bladder Pills." Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Diasan A. G. Zurich-Lusone (Switzerland). Sole Representatives: Prerana Corporation, Nagin Mahal, Veer Nariman Road, Bombay 1.

E. Griffiths Hughes Ltd., Manchester. Kruschen Salts, etc. Sole Agents for India: Carr & Co., Ltd., P.O. Box 162, Bombay.

Economic Utilities Ltd., Westcombe House, 56/58, Whitcomb Street, London, W. C. 2. Agents: Associated Agencies (Bombay), 47, Podar Chambers, Parsee Bazar Street.

Elliman, Sons & Co. Ltd., "Elliman's Embrication." Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Ephazone and Company, 180, Piccadilly. "Ephazone" for Asthma, Bronchitis, etc. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

F. Hoffmann-La Roche & Co., Ltd., Basle (Switzerland). Manufacturers of Biochemicals, fine chemicals, alkaloids Vitamins and 'Roche' Pharmaceutical Specialties. Sole Importers: Volkart Brothers, Ballard Estate.

Fredericksberg Chemical Laboratories Ltd., 1, Alhambravej, Copenhagen V, Denmark. A.C.T.H. & Hormones. Sole Distributors: F. Bock & Co., Shale Building, Bank Street, Fort, Bombay 1.

G. D. Searle & Co., Chicago 80, U.S.A. "Ethical Pharmaceuticals". Agents: Fairdeal Corporation, Ltd., Lakshmi Building, Sir Phirozshah Mehta Road, Fort.

Gebauer Chemical Co., Akron 9, U.S.A. "Ethyl Chloride". Agents: Fairdeal Corporation Ltd., Lakshmi Building, Sir Phirozshah Mehta Road, Fort.

General Chemical Division, Allied Chemical & Dye Corp., 40, Rector Street, N. Y. 6, New York. Manufacturers of R & A quality laboratory reagents and Fine Chemicals. Sole Agents for Bombay State: B. K. Shapurji & Co., Prospect Chambers, 819, Hornby Road, Fort, Post Box No. 1065.

Herts Pharmaceuticals, Ltd., Welwyn Garden City, Herts. Agents: Gillanders Arbuthnot & Co., Ltd., Elphinstone Building, Vir Nariman Road.

Heyden Chemical Corporation, New York. Antibiotics, Industrial, Fine & Pharmaceutical Chemicals. Distributors: F. Bock & Co., Shale Building, Bank Street, Fort.

Homburg A. G., Chemiewerk, Daimlerstrasse 25, Postfach 686, Frankfurt/Main, Western Germany. Factory Representatives: German Remedies & Trading Co. Ltd., Queens Mansion, 7, Prescott Road, G.P.O. Box No. 1945, Bombay 1.

I. C. (PHARMACEUTICALS) LTD., Manchester, England. For "AVOLON" Brand Pharmaceuticals. Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

Johnson & Johnson (Gt. Britain) Ltd., Slough, U.K. "Personal Products." Agents: Fairdeal Corporation Ltd., Lakshmi Building, Sir Phirozshah Mehta Road, Fort.

Kemball, Bishop & Co. Ltd., Crown Chemical Works, Brunby B. J. Row, London E. 3. Agents: Gillanders Arbuthnot & Co. Ltd., Elphinstone Building, Vir Nariman Road.

LABORATOIRES ROBIN, Paris. Pharmaceutical Preparations. Sole Agents in India: Dey's Medical Stores Ltd., Himalaya House, Hornby Road, Fort, Bombay 1.

Laboratories Wolfs' Antwerp, Belgium; Sole Representatives: Prerana Corporation, Nagin Mahal, Veer Nariman Road, Bombay 1.

LEPETIT & P. A. MILAN, Italy—Manufacturers of Pharmaceutical Specialties, Chemicals and other Allied Ethical Lines; Sole Agents: Rambaxy & Company Ltd., P.O. Box No. 104, New Delhi; Branches: Bombay, Calcutta, Madras and New Delhi.

M. & R. Dietetic Laboratories Inc., Columbus, 16, U.S.A. "Similac". Infant Milk Food. Agents: Fairdeal Corporation Ltd., Lakshmi Building, Sir Phirozshah Mehta Road, Fort.

MENLEY & JAMES LTD., London. Sole Distributors: Pharmed Ltd., 141, Fort Street, Fort.

NATIONAL DRUG COMPANY, Philadelphia, U.S.A.; Sole Agents: C. Agrawal & Co., Ltd., 43-44, Lakshmi Bldg., Sir Phirozshah Mehta Road, Bombay 1. Phone: 21344. Grams: "AGRAWALCO".

Natural Chemicals Co., London. "Phyllosan" for Malnutrition. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Newton Chambers & Co., Ltd., Thorncliffe Works, Sheffield. Izal Germicide, etc. Agents: Gillanders Arbuthnot & Co., Ltd., Elphinstone Building, Vir Nariman Road.

Nordmark Werke G.M.B.H., Adolphstrasse 32, Hamburg 21, Western Germany. Factory Representatives: German Remedies & Trading Co. Ltd., Queens Mansion, 7, Prescott Road, G.P.O. Box No. 1945, Bombay 1.

Optrex (Overseas) Ltd., "Optrex" Eye Lotion and "Famel" Cough Syrup. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

OXFORD PRODUCTS INC., Cleveland, Ohio, U.S.A. Manufacturers of Pharmaceutical Specialties, particularly Vitamins. Sole Agents: Rambaxy & Company Ltd., P.O. Box No. 104, New Delhi; Branches: Bombay, Calcutta, Madras & New Delhi.

Oxo Ltd., London. Pharmaceutical Specialties and Food Products. Agents: Anglo-Thal Corporation Ltd., Ewart House, Bruce Street, Fort.

Pearson & Co., Ltd., E. T., "Lactagol." "Tessol." "Rhinitol." "Iodinol." etc. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Pfizer Overseas Inc., 25 Broad Street, New York 4, N.Y. Pharmaceuticals Vitamins. Distributors: F. Bock & Co., Shale Building, Bank Street, Fort, Bombay 1.

Pharmaceutical Manufacturing Co. Ltd., "Novutox" "Surfacaine". Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Phosferine (Ashton & Parsons) Ltd. Infant Powders, Phosferine Liquid & Tablets. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Riedel de Hasen A. G. (Pharmaceutical Department), (20a) Seelze, b. Hannover, Western Germany. Factory Representatives: German Remedies & Trading Co. Ltd., Queens Mansion, 7, Prescott Road, G.P.O. Box No. 1945, Bombay 1.

S. A. LABORATOIRE, Produits, Biologiques Braglia, Lugano, Switzerland. Sole Distributors: Pharmed Ltd., 141, Fort Street, Fort.

S. A. FELICE BISLERI & CO., Milan, Italy. Sole Distributors: Pharmed Ltd., 141, Fort Street, Fort.

Sehering A. G., Mullerstrasse, 170/172, Berlin No. 65. Representatives for India: Vikram Padamey & Co., Rustom Building, 29, Churchgate Street, Fort.

Scientific Pharmaceuticals Ltd., "Keroderom" Ointment. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

SCOTT & BOWNE LTD. For Scott's Emulsion, Hallivite. Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

Scott & Turner, Ltd., Newcastle-on-Tyne, "Andrews Liver Salt." Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Sharp & Dohme, Inc., Philadelphia, U.S.A. Pharmaceutical Specialties and Biologicals. Sole Importers: Volkart Brothers, Ballard Estate.

SEIONOGI & CO., LTD., Osaka, Japan. Manufacturers of Pharmaceutical Specialties, Chemicals and other allied ethical Lines; Sole Agents: Rambaxy & Co. Ltd., P.O. Box No. 104, New Delhi. Branches: Bombay, Calcutta, Madras and New Delhi.

Smith Kendon Ltd., London. Manufacturers of Lozenges and Pastilles. Sole Agents in India: Carr & Co., Ltd., P.O. Box 162, Bombay.

SMITH KLINE & FRENCH INTERNATIONAL CO., Philadelphia, U.S.A. Sole Distributors: Pharmed Ltd., 141, Fort Street, Fort.

Spencer & Co., Ltd., Urodonal. Sole Agents:
J. L. Morison, Son & Jones (India) Ltd.,
opp. Mahalaxmi Temple, Warden Road,
Bombay 26.

**Sperti Inc., Cincinnati 2, U.S.A. "Electro
Medical Apparatus." Agents:** Fairdeal
Corporation Ltd., Lakshmi Building,
Sir Phirozshah Mehta Road, Fort.

**THOMAS TYRER & CO., LTD. For
"STIRLING" Brand Fine Chemicals.
Selling Agents:** I. C. I. (India) Ltd.,
Post Box No. 310, Bombay 1.

**United Electric Export Co., Chicago 6,
U.S.A. "X-Ray Apparatus." Agents:**
Fairdeal Corporation Ltd., Lakshmi
Building, Sir Phirozshah Mehta Road,
Fort.

**Uzara Werke Melsungen, P. O. Box No. 88,
Melsungen, Western Germany. Factory
Representatives:** German Remedies &
Trading Co. Ltd., Queens Mansion, 7,
Prescot Road, G. P. O. Box No. 1945,
Bombay 1.

**Walker Vitamin Products Inc., Mount
Vernon, New York, U.S.A. "Vitamin
Products." Agents:** Fairdeal Corporation
Ltd., Lakshmi Building, Sir
Phirozshah Mehta Road, Fort.

**Western India Trading Co., Oculline Eye
Drops, etc. Agents:** T. Byramji & Co.,
Central Bank Building, Fort.

**WINTHROP PRODUCTS INC., New
York. Pharmaceutical Specialities.
Sole Representatives in India:** Day's
Medical Stores Ltd., Himalaya House,
Hornby Road, Bombay 1. Phone:
25676.

**Wm. Alfred Jones Ltd., West India House,
Maryland Street, Liverpool 1. Pharma-
ceuticals. Agents:** Gillanders Arbuthnot
& Co., Ltd., Elphinstone Building,
Vir Nariman Road.

**Wulding & Co., A., M.B.H., (Sanatogen-Werke
Bauer & Cie, and Fabrik Pharmaze-
n-fischer Praparate Johann A. Wulding
Graf-Adolf-str. 18 (22a) Dusseldorf,
Western Germany. Factory Representa-
tives:** German Remedies and Trading
Co. Ltd., Queens Mansion, 7, Prescot
Road, G.P.O. Box No. 1945, Bombay 1.

PHARMACEUTICAL MACHINERY & EQUIPMENT

**Albro Fillers and Engineering Co., Ltd.,
London. Bottle & Tin Filling Machines.
Agents in India:** Armstrong Smith Ltd.,
Gresham Assurance House, Sir Phirozshah
Mehta Road, Fort.

**Arencio Aktiebolag, Sweden. Tube Filling,
Folding & Crimping Machines. Agents in
India:** Armstrong Smith Ltd., Gresham
Assurance House, Sir Phirozshah Mehta
Road, Fort.

**Autopack Ltd., Birmingham, Weighing and
Filling Machines, Cellophane Wrapping
Machine, Anacin type Tablet Packing
Machine. Agents in India:** Armstrong
Smith Ltd., Gresham Assurance House,
Sir Phirozshah Mehta Road, Fort.

**Bancroft Fillers & Appliances Ltd., England.
Products:**—Bottle Filling & Capping
Machines. Agents: Gladwyn & Co., 251,
Hornby Road, Fort.

**Banister Street Works Ltd., England. Tube
Filling, Folding and Crimping Machines.
Agents in India:** Armstrong Smith Ltd.,
Gresham Assurance House, Sir Phirozshah
Mehta Road, Fort.

**Carl Padberg Zentrifugenbau GmbH, Ger-
many. Agents for India:** Gladwyn &
Co., 251, Hornby Road, Fort.

**Cranfield Industries Ltd., England, Newman
Fully and Semi-Automatic Labelling
Machines for Ampoules, Vials, Torch,
Batteries, Bottles, Jars, etc., Agents in
India:** Armstrong Smith Ltd., Gresham
Assurance House, Sir Phirozshah Mehta
Road, Fort.

**Dawson Bros., Ltd., England. Washing
Machines for Bottles, Dishes, etc. Agents
in India:** Armstrong Smith Ltd., Gresham
Assurance House, Sir Phirozshah Mehta
Road, Fort.

**Duhring Maschinen-Gesellschaft, Germany.
Agents for India:** Gladwyn & Co., 251,
Hornby Road, Fort.

**E. Eigenmann Apparate-Und Maschinenbau,
Switzerland. Products:**—Stainless Steel
Steam Jacketed Kettles. Agents for
India: Gladwyn & Co., 251, Hornby Road,
Fort.

**E. Friederich & Fils, Switzerland. Pro-
ducts:**—Anti-Corrosion Filter Presses,
Labelling Machines & Bottle Fillers,
Agents for India: Gladwyn & Co., 251,
Hornby Road, Fort.

**Ellison Hawks Ltd., England. "Nortal"
Emulsifiers. Agents in India:** Armstrong
Smith Ltd., Gresham Assurance House,
Sir Phirozshah Mehta Road, Fort.

**Enamelled Metal Products Corporation
(1933) Ltd., England, Storage and Mixing
Vessels, Chemical Process Equipment.
Agents in India:** Armstrong Smith Ltd.,
Gresham Assurance House, Sir Phirozshah
Mehta Road, Fort.

Fluckiger & Co., Switzerland. Products:—
Portable Agitators. Agents for India:
Gladwyn & Co., 251, Hornby Road, Fort.

**Ganzhorn & Stirn, Germany. Agents for
India:** Gladwyn & Co., 251, Hornby
Road, Fort.

**Howard Pneumatic Engineering Ltd.,
England. Products:**—Stainless Steel
Pumps. Agents for India: Gladwyn &
Co., 251, Hornby Road, Fort.

**James Cruickshank Ltd., England, "Husky"
'Consul' and 'Envoy', Multispeed
Mixers, Vortex Dough Kneader, Vegeta-
ble Preparer, Coffee Grinder, Mincer,
etc. Agents in India:** Armstrong Smith
Ltd., Gresham Assurance House, Sir
Phirozshah Mehta Road, Fort.

**J. G. Jackson & Crockett Ltd., England,
Granulators for Dry and Wet Masses.
Agents in India:** Armstrong Smith Ltd.,
Gresham Assurance House, Sir Phirozshah
Mehta Road, Fort.

Jorgen Jorgensen, Denmark. Products:—
Tablet Machines, Sugar Coating Pans,
Drug Mills, Paste Mills, Granulating
Machines. Agents for India: Gladwyn
& Co., 251, Hornby Road, Fort.

**MANESTY MACHINES LTD., Liverpool,
19. Pharmaceutical & Tablet making
Machines, Distilled Water Plants, etc.
Sole Agents:** Kilburn & Co. Ltd.,
P.O. Box 565, Bombay. Phone: 31908.

**Morris, B. O., Ltd., Coventry. Flexible
Shaft Stirrers. Agents in India:** Arm-
strong Smith Ltd., Gresham Assurance
House, Sir Phirozshah Mehta Road, Fort.

**Optima Maschinenfabrik, Germany. Agents
for India:** Gladwyn & Co., 251, Hornby
Road, Fort.

**Probat & Class, Germany. Agents for India:
Gladwyn & Co., 251, Hornby Road, Fort.**

Riomillex, S. A., Switzerland. Products:—
Bottle Washing Machines. Agents for
India: Gladwyn & Co., 251, Hornby
Road, Fort.

**Rittershaus & Blecher, Germany. Agents
for India:** Gladwyn & Co., 251, Hornby
Road, Fort.

**S. N. Bridges & Co. Ltd., London, Sieving &
Grading Machines, Homogenizers. Agents
in India:** Armstrong Smith Ltd., Gresham
Assurance House, Sir Phirozshah Mehta
Road, Fort.

**Watten Emulsifying Machines Ltd., England.
Products:**—Emulsifiers. Agents for
India: Gladwyn & Co., 251, Hornby
Road, Fort.

**William Gardner & Sons (Gloucester) Ltd.,
England. Sifters & Mixers, Crushers,
Grinders, Ball Mills, Essence Sprayer,
Mixer, etc. Agents in India:** Armstrong
Smith Ltd., Gresham Assurance House,
Sir Phirozshah Mehta Road, Fort.

PHOTOGRAPH PLANT AND MATERIALS

**GEVAERT PHOTO PRODUCTEN,
Mortsel Antwerp, Belgium. Manu-
facturers of Gevaert Photographic
Sensitised Materials. Sole Agents for
India:** Allied Photographics Ltd.,
Kasturi Building, Jamshedji Tata
Road, Bombay 1.

**Henry Wild Surveying Instruments Supply
Co. Ltd., Heerburg (Switzerland). Sole
Agents:** Raj-De-Kar & Co. Ltd., Com-
missariat Building, Hornby Road, Fort.

**Mason, E. N., & Sons, Ltd., Arolight Works,
Colchester, England. Sole Agents:** Heatly
& Gresham, Ltd., 9, Forbes Street, Fort.

PILE DRIVING EQUIPMENT

**British Steel & Piling Co., Ltd., Pile Driving
Equipment, Steel Sheet Piling and Piles.
Sole Agents:** William Jack & Co. Ltd.,
Hamilton House, Graham Road, Ballard
Estate.

PIPES AND FITTINGS

**I. C. I. LTD., Metals Division, England.
Selling Agents:** I. C. I. (India) Ltd.,
Post Box No. 310, Bombay.

**Stewarts and Lloyds Ltd., Glasgow. M.S.
Pipes, Tubes, Poles, etc. Agents:**
Richardson & Cruddas, Ltd., Byculla.

PLANTS (CHEMICAL)

**S. Briggs & Co., Ltd., England. Agents for
India:** Gladwyn & Co., 251, Hornby Road,
Fort.

PLASTIC MANUFACTURERS

**A. Bamberger Corp., New York. Plastic
Sheets & Powders. Distributors:** F. Bock
& Co., Shale Building, Bank Street, Fort.

**AERO RESEARCH LTD., Duxford,
Cambridge, England. Manufacturers
of Synthetic Resin Adhesives for
Plywood, Veneering, Furniture and
Metal bonding. Sole Suppliers in
India:** Ciba Dyes Limited, Jehangir
Building, Mahatma Gandhi Road,
Fort, Bombay 1. Phone Nos. 36846 &
36847. Grams: "CIBA". Post Box
No. 479. Codes used: Universal
Trade, Bentley's Second Phrase and
Private.

**American Moulding Powder & Chemical
Corporation, New York. Polystyrene
Moulding Powder. Distributors:** F. Bock
& Co., Shale Building, Bank Street, Fort.

**Charles Clay & Sons Ltd., England. High-
class Plastic Belts, Raincoats, etc.
Agents:** T. Byramji & Co., Central Bank
Building, Fort.

**DOW CHEMICAL INTERNATIONAL
LTD., Canada-Polystyrene Moulding
Powder. Selling Agents:** I. C. I. (India)
Ltd., Post Box No. 310, Bombay 1.

HOLOPLAST LIMITED, England. Plastic Laminated Sheets, Linings and Panels. Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

I. C. I. LTD., Plastics Division, England. "PERSPEX" Acrylic Sheets, Powder, Rods, Tubes, etc. "ALKATHENE" Film Tube, "CRINOTHENE", Nylon, Moulding Powder, U.F., P.F., W.F.

Jarrett, Rainsford & Laughton Ltd., Birmingham, England. Representatives: Bhimjee & Co., Ltd., 17, Elphinstone Circle, Fort.

Rubber Improvement Ltd., London. Cellulose Acetate Moulding Powder and P. V. C. Compounds. Distributors: F. Iock & Co., Shale Building, Bank Street, Fort.

PLUMBAGO CRUCIBLES

James C. Waterhouse, Ltd., Sohaworks, Wakefield. Agents: Gillanders Arbuthnot & Co., Ltd., Elphinstone Building, Vir Nariman Road, Fort.

PNEUMATIC PLANT COMPRESSORS, DRILLS, ETC.

DEPRAG PRESSLUFTMASCHINEN SCHULZ K. G. (13a) Amberg opf., Germany. Representatives: James Finlay & Co., Limited, P.O. Box No. 73, Bombay 1.

Holman Bros. Ltd., Camborne. Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

POLISHING MATERIALS

Blyth & Platt, Ltd., Watford, England. Manufacturers of "Cobra" Boot and Metal Polishes. Agents: Shaw Wallace & Co., Ltd., Ballard Estate.

Goddard, J. & Sons, Ltd. Goddard's Plate Powder, Liquid Polish, Furniture Cream, etc. Sole Agents: J. L. Morison, Son & Jones (India), Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

I. C. I. LTD., Paints Division, England. "DUCO" Wax Polish and I. C. I. No. 7 Polish. Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

I. C. I. LTD., Dyestuffs Division, Manchester. For Polishing Rouges. Agents in India: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

J. Pickering & Sons Ltd. "Blanco" Brand Cleaners. Sole Agents: J. L. Morison, Son & Jones (India), Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Meltonian (E. Brown & Son) Ltd., Shoe Polishers, etc. Sole Agents: J. L. Morison, Son & Jones (India), Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Morris, B. O., Ltd., Coventry. Brushes, Bobs, Mops, Felts and Compounds. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Ronuk, Ltd., Household "Polishes". Sole Agents: J. L. Morison, Son & Jones (India), Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

W. Canning & Co., Ltd., Birmingham, England. Agents and Chief Distributors: S. Mitra & Co., 210, Girgaum Road, Bombay 4. Grams: "Mludeshi."

POTTERIES

John Ayasley & Sons Ltd., Stoke; Manufacturers of China Tableware. Agents: A. H. Shah & Co., Ltd., Jan Mansion, Sir Phirozshah Mehta Road, Fort, Bombay

John Lockett & Co., Stoke, Manufacturers of Hospital Earthenware. Agents: A. H. Shah & Co., Ltd., Jan Mansion, Sir Phirozshah Mehta Road, Fort, Bombay.

Pallasy Pottery Ltd., Stoke, Manufacturers of Domestic Tableware. Agents: A. H. Shah & Co., Ltd., Jan Mansion, Sir Phirozshah Mehta Road, Fort, Bombay.

POWER HAND TOOLS

Desoutter Bros. Ltd., The Hyde, Hendon, London, N.W. 9, England. Manufacturers of Electric Drills, etc. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

POWER PRESSES

Hordern, Mason & Edwards Ltd., Pye Hayes, Birmingham 24, England. Sole Agents: Heatly & Gresham Ltd., 9, Forbes Street, Bombay.

POWER TRANSMISSION EQUIPMENT

Engrenages Citroen Limited, France; Spur, Bevel and Cylindro-Conical Gears and Gear Units. Flexible Couplings for every Industry. Contact: Ratansi Morarji Limited, Prospect Chambers, 317 21, Hornby Road, Bombay 1

PRECISION TOOLS AND INSTRUMENTS

Bridges, S. N., & Co., Ltd., London. Precision Surface Grinder and Micro-Precision Drilling Machines. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

COATS MACHINE TOOLS CO., LTD., London, U.K. Manufacturers of Fluid Gauges suitable for 0.0001". Sole Agents: Pioneer Industries, 21, Forbes Street, P.O. Box 1909, Bombay 1. Phone No. 31982. Grams: "PIOMETAL."

COOK TROUGHTON & SIMMS LTD., York, England. For Toolroom Microscopes, Colour Projectors, Optical and Horizontal Comparators, Engineers' Block Levels, Gauges, etc. Agents: Pioneer Industries, 21, Forbes Street, P.O. Box 1909, Bombay 1. Phone No. 31982. Grams: "PIOMETAL."

PRESENTATION ARTICLES

Ronson Products Ltd., London. Cigarette Lighters & Products. Sole Distributors: Spencer & Co., Spencer's Building, Forjett Street, Bombay 26.

PRESS FASTENERS

Charles Edkins & Sons Ltd., Friday Bridge Works, Summer Row, Birmingham, 3. Agents: Soho House, Lohar Street.

PRINTING AND ANTIFRICTION METALS

Fry's Metal Foundry Ltd., Tandem Works, Merton Abbey, England; Printing and Bearing Metals and Solders. Agents: Heatly and Gresham Ltd., 9, Forbes Street, Fort.

PRINTING INKS

Fishburn Printing Ink Co. Ltd., England. Sole Agents: Indo-Europa Trading Co., 9, Dalal Street, Fort.

PRINTING MACHINERY

ALVESTA INDUSTRIES, A. B., Alvesta, Sweden. Agents: Manubhai Sons & Co., 16, Custom House Road, Bombay 1. Phones: 32369 & 32328. Grams: "SUNFLAMES."

C. E. GAITZSCH MASCHINENFABRIK, Slegmar-Schonau, Germany. Agents: Manubhai Sons & Co., 16, Custom House Road, Bombay 1. Phones: 32369 & 32328. Grams: "SUNFLAMES."

FRATELLI MANDELLI, Monza, Italy. Agents: Manubhai Sons & Co., 16, Custom House Road, Bombay 1. Phones: 32369 & 32328. Grams: "SUNFLAMES."

KOVO LTD., Praha, Czechoslovakia. Agents: Manubhai Sons & Co., 16, Custom House Road, Bombay 1. Phones: 32369 & 32328. Grams: "SUNFLAMES."

TECHNOIMPEX HUNGARIAN MACHINE INDUSTRIES, Foreign Trade Co., Budapest. Agents: Manubhai Sons & Co., 16, Custom House Road, Bombay 1. Phones: 32369 & 32328. Grams: "SUNFLAMES."

THOMSON NATIONAL PRESS CO., INC., Franklin, Mass., U.S.A. Agents: Manubhai Sons & Co., 16, Custom House Road, Bombay 1. Phones: 32369 & 32328. Grams: "SUNFLAMES."

PRINTING PRESS MACHINERY

Brandtjen & Kluge Inc., U.S.A. Sole Agents: Indo-Europa Trading Co., 9, Dalal Street, Fort, Bombay.

R. Hoe & Crabtree Ltd., London. Sole Agents: Indo-Europa Trading Co., 9, Dalal Street, Fort, Bombay.

Cundall Folding Machine Co. Ltd., England. Sole Agents: Indo-Europa Trading Co., 9, Dalal Street, Fort, Bombay.

Messrs. VEB Polygraph Falz-und Heftmaschinenwerk Leipzig, Germany. Sole Agents: Indo-Europa Trading Co., 9, Dalal Street, Fort, Bombay.

Messrs. VEB Buchbindereimaschinenwerk Leipzig VVB Polygraph, Germany. Sole Agents: Indo-Europa Trading Co., 9, Dalal Street, Fort, Bombay.

Messrs. VEB Druckmaschinenwerk Victoria VVB Polygraph, Germany. Sole Agents: Indo-Europa Trading Co., 9, Dalal Street, Fort, Bombay.

Messrs. VEB Optima-Fabrik Graphischer Maschinen VVB Polygraph, Germany. Sole Agents: Indo-Europa Trading Co., 9, Dalal Street, Fort, Bombay.

Messrs. VEB Papierverarbeitungsmaschinenwerk Perfecta VVB Polygraph, Bautzen. Sole Agents: Indo-Europa Trading Co., 9, Dalal Street, Fort, Bombay.

"Polygraph" Schelter & Giesecke VEB, Germany. Sole Agents: Indo-Europa Trading Co., 9, Dalal Street, Fort, Bombay.

PRINTING PRESS MATERIAL

HORSFALL & SONS, Birstall nr. Leeds, England. Agents: Manubhai Sons & Co., 16, Custom House Road, Bombay 1. Phones: 32369 & 32328. Grams: "SUNFLAMES."

Huber, J. M., Corporation, 620-62nd Street, Brooklyn 20, N.Y. Printing Inks. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Litho Chemical Supply Co., U.S.A. Sole Agents: Indo-Europa Trading Co., 9, Dalal Street, Fort.

PROVISION MERCHANTS

Alfred, Bird, & Sons Ltd., Birmingham, England. Manufacturers of Bird's Custard Powder, etc. Sole Agents for India: Carr & Co., Ltd., P.O. Box 152, Bombay.

C. & E. Morton Ltd., Provisions, etc. Sole Agents: J. L. Morison, Son & Jones (India), Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Canada Packers Ltd., Toronto. Sole Distributors: Spencer & Co., Ltd., Spencer Building, Forrejt Street, Bombay 26.

Frank Cooper Ltd., "Oxford" Marmalade, etc. Sole Agents: J. L. Morison, Son & Jones (India), Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

H. C. Sleigh Limited, Melbourne, Australia, Mercury, Skimmed Milk Powder and Dairy Products. Sole Agents: W. A. Beardsell & Co. Ltd., Post Box No. 432, Bombay 1.

St. Martin Preserving Company Limited, Maldenhead, Berks., England; Manufacturers of Jams and Chunky Marmalade. Sole Agents: W. A. Beardsell & Co. Ltd., Post Box No. 432, Bombay 1.

T. Symington & Co., Ltd., "Coffee Essence" etc. Agents: J. L. Morison, Son & Jones (India), Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Verner Laurzev Vestergade, 76, Odense, Denmark. Agents: Doshi Bros. (Bombay), National Insurance Building, 204, Hornby Road, Fort.

Wm. P. Hartley Ltd, Aintue, England. Manufacturers of English Jams and Marmalade. Sole Agents for India: Carr & Co. Ltd., P. O. Box No. 152, Bombay.

PUMPS & FITTINGS

Decline Rubber & Ebonite Limited, England; Acid and Heat Resisting Pumps, Valves, Jointings, Packings, Tanks, Vessels, Wheels made in Hard Rubber and Ebonite for every industry. Contact: Rafanul Morarji Limited, Prospect Chambers, 317 21, Hornby Road, Bombay 1.

PUMPS & PUMPING MACHINERY

Aermotor Co., Chicago, U.S.A. Aermotor Windmills & Pumps. Agents: Richardson & Cruddas, Ltd., Byculla.

Benton & Stone Ltd., Birmingham. Patent Hyject Foot Pumps. Agents: Richardson & Cruddas, Ltd., Byculla.

British La Bour Pump Co., Ltd., Nibbete Works, London, N.7. Sole Agents: Healty & Gresham Ltd., 9, Forbes Street, Fort.

Byron Jackson Co., Inc., Los Angeles, California. Deep Well Turbine Pumps. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

C. H. & E. Manufacturing Co., 3849, North Palmer Street, Milwaukee 12, Wis. (U.S.A.). Sole Agents for India: Excellent Engineering Co., Botawala Building, Elphinstone Circle, Fort, Bombay.

Frank, Pearn & Co., Ltd., Manchester. Steam and Power Pumps, Calorifiers, etc. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Gilbert & Barker Manufacturing Co. Ltd., Springfield, U.S.A. Agents: Tecalemit (India) Ltd., 9, Forbes Street, Fort, Bombay.

Glenfield & Kennedy, Ltd., Kilmarnock. Hydraulic Ram Pumps. Agents: Glenfield & Kennedy, Ltd., 198, Jamshedji Tata Road, Fort, Bombay 1.

GORMAN-RUPP CO., Mansfield, Ohio (U.S.A.). Agents: National Traders, Advani Chambers, Sir Phirozshah Mehta Road, Fort. Grams: "WET-FARM."

Hydraulomat (1931) Ltd., London. Agents: Glenfield & Kennedy, Ltd., 198, Jamshedji Tata Road, Fort, Bombay 1.

Ruston & Hornsby Ltd., Lincoln, England. Centrifugal Pumps & Vertical Spindle Centrifugal Pumps. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Sumo Pumps Ltd., Submersible Pumps. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

Tecalemit Limited, Brentford, U.K. Agents: Tecalemit (India) Ltd., 9, Forbes Street, Fort, Bombay.

Thomas & Son (Worcester) Ltd., Worcester, England. Small Plunger Type Water Pumps. Concessionaires: Greaves Cotton & Co. Ltd., 1, Forbes Street, Fort.

RADIOS & SPARE PARTS

A. F. BULGIN & CO., LTD., Bye Pass Road, Barking Essex, England. Radio and Electrical Components. Representatives: Latham Abercrombie & Co., Ltd., Forbes Building, Home Street, Fort.

General Radio Co., Cambridge. Laboratory and Precision Test Instruments. Sole Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

RADIO TRANSMITTER BROADCASTING-COMMUNICATION EQUIPMENT

Boornton Radio Corporation, Intervale Road, Boornton, New Jersey, U.S.A. Q. meters, QX, checker signal generators, accessories and parts. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Westinghouse Electric International Co., New York. Electronic products consisting of Radio Broadcasting and Radio Communication Equipment, Electronic Tubes for Radio Broadcasting, and Radio Communications Equipment. Power line carrier Communication Equipment. Agents: 127, Mahatma Gandhi Road, Fort.

Wilcox Electric Co., Inc., Kansas City 1, MO., U.S.A. HF, VHF and LF. Transmitters, Receivers, etc. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

RAIL CARS AND TROLLEYS

BEIJNES N. V., J. J., Beverwijk, Holland. Modern Rolling Stock for Railways and Tramways, Autobuses and Trolley-buses. Agents: Associated Machine & Tool Co., 130, Meadows Street, Fort, Bombay 1.

Drewry Car Co., Ltd., London. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

RAIL JOINT SHIMS

Wonham Incorporated, 13, Victoria Street, London, S.W.1. Rail Joint Shims. Agents: Healty & Gresham Ltd., 9, Forbes Street, Fort.

RAILWAY ENGINEERS

Associated Locomotive Equipment Ltd., London. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

Metropolitan-Cammell Carriage & Wagon Co. Ltd., Metropolitan Road, Saltley, Birmingham 8. Agents: Vickers (Eastern) Ltd., Killick Building, Home Street.

P. & M. Co. (England), Ltd., London. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

RAILWAY EQUIPMENT

"ALKMAAR" N. V., Nederlandse Machinefabriek, Alkmaar, Holland. Mechanical, Electrical and Fully Automatic Signalling System for Railways. Agents: Associated Machine & Tool Co., 130, Meadows Street, Fort, Bombay 1.

BEIJNES, N. V., J. J., Beverwijk, Holland. Modern Rolling Stock for Railways and Tramways, Autobuses and Trolley-buses. Agents: Associated Machine & Tool Co., 130, Meadows Street, Fort, Bombay 1.

DU-CROO & BRAUNS, N.V. Machinefabriek, Amsterdam, Holland. Steam and Diesel Locomotives, Rolling Stock & Track Materials for all Rail Gauges and Steam and Electric Cranes for all purposes. Agents: Associated Machine & Tool Co., 130, Meadows Street, Fort, Bombay 1.

English Steel Corporation Ltd, Sheffield. Steel and Engineers' Small Tools, Railway Wagon Accessories. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Metropolitan-Cammell Carriage & Wagon Co. Ltd., Metropolitan Road, Saltley, Birmingham 8. Agents: Vickers (Eastern) Ltd., Killick Building, Home Street.

S. A. D. Ateliers de la Dyle, Louvain, Belgium. Agents: Hardcastle Waud & Co., Ltd., Alice Building, Hornby Road, Fort.

S. A. Usines Emile Henricot, Court, Saint Etienne, Belgium. Agents: Hardcastle Waud & Co., Ltd., Alice Building, Hornby Road, Fort.

Steel, Peech & Tozer, Sheffield, England. Locomotive, Carriage and Wagon Tyres, Wheels, Axles and Laminated Springs, Disc Wheel Centres, Crank Axles and Forgings. Sole Representatives: The United Steel Companies (India) Ltd., Himalaya House, Hornby Road, Fort.

RAILWAY EQUIPMENT & SANITARY FITTINGS

Levick John Ltd, Birmingham, England. Sole Agents: Healty & Gresham Ltd., 9, Forbes Street, Fort.

RAILWAY SIGNALLING

"ALKMAAR" N. V., Nederlandse Machinefabriek, Alkmaar, Holland. Mechanical, Electrical and fully Automatic Signalling System for Railways. Agents: Associated Machine & Tool Co., 130, Meadows Street, Fort, Bombay 1.

Tyer & Co., Ltd., London. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

RAZOR BLADES

Punkfal Werks, Solingen, W. Germany. (Razor Blades). Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

READYMADE CLOTHES

Belle Neckwear Co. Inc., New York. Sole Agents: Commodities Exchange Corporation, Jan Mansion, Sir Phirozshah Mehta Road, Fort.

Creveling & Company, Los Angeles, U.S.A. Sole Agents: Commodities Exchange Corporation, Jan Mansion, Sir Phirozshah Mehta Road, Fort.

Famous Sportswear Co. Inc., New York. Sole Agents: Commodities Exchange Corporation, Jan Mansion, Sir Phirozshah Mehta Road, Fort.

RECORDING INSTRUMENTS

British Pitometer Co., Ltd., London. Indicators and Recorders for Water, Sewage, Oil and other Fluids. Agents: Glenfield & Kennedy, Ltd., 198, Jamshedji Tata Road, Fort, Bombay 1.

Glenfield & Kennedy, Ltd., Kilmarnock. Water Level Indicators and Recorders. Agents: Glenfield & Kennedy, Ltd., 198, Jamshedji Tata Road, Fort, Bombay 1.

Pierce Wire Recorder Corporation, Illinois, U.S.A. Pierce Dictation Wire Recorders. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

PIROWERK, G.M.B.H. Germany for Temperature and Pressure Recording Instruments. Sole Agents: Pioneer Industries, 21, Forbes Street, P.O. Box 1909, Bombay 1. Phone No. 31982. Grams: "PIOMETAL".

REDUCTION GEARS

David Brown & Sons (Huddersfield) Ltd., Huddersfield. Reducing Gears, Bevel Gears, Spur Gears, etc. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Stone-Wallwork Ltd., London. Reduction and P. I. V. Gears, Stamping Machines. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

REFRACTORY CEMENTS

Algernon Lewin Curtis, Cambridge. "Onx" Cements for Boilers & Industrial Furnaces. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Furnace Linings Co., Ltd., Nursery Street, Sheffield 3. Sole Agents: Datson, Raviraj & Co., 43, Tamarind Lane, Fort.

REFRIGERATION EQUIPMENT (COMMERCIAL)

L. I. Du Pont De Nemours & Co., Inc. U.S.A. Agents: Ahmed A. Fazalbhoy Ltd., 38, Queen's Road.

L. Sterne & Co. Ltd., 2, Caxton Street, Westminster, London, S.W. 1. Exclusive Distributors in Western India Refrigeration & Appliances Co., Ltd., Pravin Court, 95, Queen's Road, Bombay 1.

Linderm Tube Co., U.S.A. Brass & Copper Tubes. Agent: Ahmed A. Fazalbhoy, 38, Queen's Road.

Mueller Brass Co., U.S.A. Refrigeration Fittings and Supplies. Agent: Ahmed A. Fazalbhoy, 38, Queen's Road.

Svenska Turbin Aktiebolaget Ljungstrom (Stal), Finspong, Sweden. Mfrs. of Steam Turbines, Refrigeration & Ice making Plant. Representatives: Asea Electric Ltd., Yam Building, Goa Street, Ballard Estate, Bombay 1.

Tecumseh Products Co., U.S.A. Refrigeration Condensing Units. Agent: Ahmed A. Fazalbhoy, 38, Queen's Road.

Tekni-Craft, U.S.A., for Ice Cream Freezers. Agent: Ahmed A. Fazalbhoy, 38, Queen's Road.

Wagner Electric Corporation, U.S.A. Electric Motors. Agent: Ahmed A. Fazalbhoy, 38, Queen's Road.

Weber Showcase & Fixture Co., Inc., 5700, Avalon Boulevard, Los Angeles, 54, California (U.S.A.). Exclusive Representatives in India Refrigeration & Appliances Co., Ltd., Pravin Court, 95, Queen's Road, Bombay 1.

Westinghouse Electric International Co., U.S.A. Electric Refrigerators and Room Coolers. Agent: Ahmed A. Fazalbhoy, 38, Queen's Road.

RESISTANCE WIRES

British Driver-Harris Co. Ltd., Manchester. Nichrome Resistance Wires, Tapes and Alloys. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Driver-Harris Co., Harrison, N. J. Nichrome Resistance Wires, Tapes and Alloys. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

RIVETS & NAILS

J. & W. Somerville Ltd., Kall Nail Works, Lennoxton, nr Glasgow. Agents: Soho House, Lohar Street.

S. & D. Rivet Co., 'Ariel Works,' Temple Road, Leicester, England. Agents: Soho House, Lohar Street.

ROAD BUILDING EQUIPMENT & MACHINERY

Austin Western Co., Road Making Machinery. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

Aveling & Barford Ltd., Invicta Works, Grant-ham, England. Steam, Motor & Diesel Road Rollers, Dumper Trucks, Trench-Diggers, Calf-Dozers, Vibratory Concrete Finishers and Dairy Machinery. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Bovdell & Co. Ltd., E. Manchester (Mul-Hill Dumpers). Agents for Western India: Killick Nixon & Co. Ltd., Killick Building, Home Street, Fort.

Braham Patterson & Benham, Ltd., London. Road Surfacing Plant. Agents: Richardson & Cruddas Ltd., Byculla.

Bucyrus Erie Co., South Milwaukee (U.S.A.). Bulldozers, Bulldozers, Rippers, etc. Sole Importers: Volkart Brothers, Ballard Estate.

Florentini & Co. Ing. F., Italy (Excavation). Agents: Killick Nixon & Co. Ltd., Killick Building, Home Street, Fort.

Johnson (Machinery) Ltd., C. H., England. Sole Agents: Killick Nixon & Co. Ltd., Killick Building, Home Street, Fort.

ROLLER BEARINGS

Cooper Roller Bearings Co., Ltd., King's Lynn, Norfolk, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

Ransome & Marles Bearing Co., Ltd., Newark-on-Trent. 'R' & 'M' Ball and Roller Bearings. Agents: Roberts, McLean & Co., Ltd., Ilaco House, Sir Phiroozshah Mehta Road, Fort.

ROLLING SHUTTERS

Dennison Kett & Co., Ltd., Kenova House, Farmer's Road, London, S.E. 5. Sole Agents: Healy & Gresham Ltd., 9, Forbes Street, Fort.

ROLLMAKERS

British Rollmakers' Association, London. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

ROLLS FOR PAPER & RUBBER MANUFACTURE

Miller Co. Ltd., Edinburgh. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

ROOFING MATERIAL

D. Anderson & Sons, Manchester & London. Roofing, Paints, etc. Agents: Richardson & Cruddas Ltd., Byculla.

Helliwell & Co., Ltd., Brighouse. Patent Glazing Bars. Agents: Richardson & Cruddas Ltd., Byculla.

Hughes & Lancaster, Ltd., London. Makers of Sewage Ejectors, etc. Agents: Richardson & Cruddas Ltd., Byculla.

McNeil, F. & Co., Ltd., 10, Lower Grosvenor Gardens, London, S. W. 1. Bituminised Roofing Felt. Agents: Healy & Gresham Ltd., 9, Forbes Street, Fort.

ROPERIES

Ellizalde & Co., Manila Ropes. Agents in India: Armstrong Smith, Ltd., Gresham Assurance House, Sir Phiroozshah Mehta Road, Fort.

Ellizalde & Co., Manila Ropes and Cordage. Agents: The Anglo-Thal Corporation, Ltd., Ewart House, Bruce Street, Fort.

RUBBER AND PLASTIC INDUSTRIES

Goodrich Co., B. F., U.S.A. Mechanical Rubber Goods. Agent: Ahmed A. Fazalbhoy, 38, Queen's Road.

I. C. I. LTD., Dyestuffs Division, England, Rubber Chemicals and Colours. Selling Agents: I.C.I. (India) Ltd., Post Box No. 310, Bombay 1.

Northern Rubber Co. Ltd., R. Ford, Notts. Agents: Soho House, Lohar Street.

Sterling Rubber Co., Ltd., Canada. Surgeons', Electricians' and Acid-proof Gloves. Agent: Ahmed A. Fazalbhoy, 38, Queen's Road.

RUST, ACID AND HEAT RESISTING STEELS

Firth-Vickers Stainless Steels Ltd., Rust, Acid and Heat Resisting Steels. Sole Agents: William Jacks & Co. Ltd., Hamilton House, Graham Road, Ballard Estate.

SANITARY ENGINEERS

Shanks & Company, Limited, Barrhead, Scotland. Manufacturers of Baths, Cisterns, Fittings and Sanitaryware. Trade Marks: "Levern" and "Reliable." Agents: The Sizing Materials Company, Ltd., Jeroo Building, 137, Mahatma Gandhi Road, Bombay 1.

SANITARY WARES & FITTINGS

Ferunon, Hungarian Trading Company for Technical Goods, Budapest, Hungary; Manufacturers of Sanitary Earthenware, Bath Tubs and Wall Tiles, etc. Sole Agents: W. A. Beardsell & Co. Ltd., Post Box No. 432, Bombay 1.

Fordhams Pressings Ltd., Wolverhampton. Mfrs. of Seamless Steel & Enamelled Flushing Cisterns, Cattle Drinking Bowls, etc. Agents: A. H. Shah & Co., Jan Mansion, Sir Phiroozshah Mehta Road, Fort.

IDEAL BOILERS AND RADIATORS LTD., Ideal House, Great Marlborough Street, London, W. 1. Sole Agents: Domestic Appliances Co. Ltd., Forbes Building, Home Street, Fort.

John Slater (Stoke) Ltd., Stoke. Mfrs. of Sanitary & Hospital Fireclayware. Agents: A. H. Shah & Co., Ltd., Jan Mansion, Sir Phiroozshah Mehta Road, Fort.

Johnson Bros. Ltd., Stoke. Mfrs. of Sanitary Earthenware. Agents: A. H. Shah & Co., Ltd., Jan Mansion, Sir Phirozshah Mehta Road, Fort.

J. & R. HOWIE LTD., Hurford. Fireclay Works, Kilmarnock, Scotland; Manufacturers of Fireclay Sanitary Ware; Sole Agents for Bombay State: R. K. Shapurji & Co., Prospect Chambers, 319, Hornby Road, Fort. P.O. No. 1065.

Robert McArd & Co., Ltd., Denton. Mfrs. of Plastic Sanitaryware, W. O. Seats, and Cabinet Makers. Agents: A. H. Shah & Co., Jan Mansion, Sir Phirozshah Mehta Road, Fort.

Samuel Booth & Co., Ltd., and Barking Brassware & Co., Ltd., England. Mfrs. of Sanitary Metal Fittings. Agents: A. H. Shah & Co., Ltd., Jan Mansion, Sir Phirozshah Mehta Road, Fort.

Sperry & Co., England. Sanitaryware, Plumbers and Brass Foundry. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Twyford, Ltd., England. Sanitaryware. Agents in India: Armstrong Smith, Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

SAWS

ELSWORTH LTD., Australian Works, Sheffield 3, England. (Circular Saws, Band Saws, Handsaws, Machine Knives, Shear Blades, Augers, Mortice Chisels and other wood working tools). Agents: Gaytee & Co., Janmabhoomi Chambers, Fort Street, Fort. Grams: "IMPENG."

H. H. Swann & Son Ltd., Cygnet Works, Copper Street, Sheffield 3, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

J. Boardshaw & Sons, Ltd., Baltic Steel Works, Sheffield 9, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

SCIENTIFIC AND INDUSTRIAL INSTRUMENTS

Baldwin Instrument Co., Ltd., Dartford, Kent (England). Scientific & Industrial Instruments such as X-Ray meter, Gamma Radiation Detector, etc. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Bruel & Kjaer., Naerum (Denmark). Instruments for tele-technical Acoustical and Medical research such as B.F. Oscillators, Vibration pickups, condenser microphones, etc. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Newbold & Bulford Ltd., London, W.C.1, (England). Telescopes, Theatre Glasses, Ophthalmic Equipment & Instruments, Magnifiers, Reading Glasses, Compasses, Microscopes and Accessories, Barometers, Thermometers, etc. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

Holland Research Corporation, Colorado, (U.S.A.). Geophysical Instruments, Photographic Accessories, Scientific and Industrial Instruments. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

W. R. Prior & Co., Ltd., London, W.1 (England). Microscopes for Students, Laboratory, Research, Dissecting Instruments, Micrometers, etc. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

SCIENTIFIC & MARINE INSTRUMENTS

Amal & Co. (Alfred, J.), Schaffhausen, Switzerland. Testing Machines, Planimeters, Integrators. Sole Importers: Volkart Brothers, Ballard Estate.

Casarelli, J., & Son Ltd., Manchester. Scientific Instruments Makers. Sole Agents: Gannon Dunkerley & Co. Ltd., Chartered Bank Building, Fort, Bombay.

Cinema-Television Ltd. (Incorporating Baird Television Ltd.), London. Agents: Raj-Der-Kar & Co., Commissariat Building, Hornby Road, Fort.

Coleman Electric Company, Maywood, Ill., U.S.A. Sole Agents: Raj-Der-Kar & Co., Commissariat Building, Hornby Road, Fort.

E. Mettler, Zurich, Switzerland. Agents: Raj-Der-Kar & Co., Commissariat Building, Hornby Road, Fort.

Huggenberger Physical Instruments, Zurich (Switzerland). Tensometers, Co-ordinometers, Deformeters, Deflectometers, Clinometers, Electric Strain Gauges, etc. Sole Importers: Volkart Brothers, Mechanical Dept., Ballard Estate.

Leeds & Northrup Company, Philadelphia. Indicators, Recorders, Controllers, etc. Electrical Measuring Instruments. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

Taylor, W. A., & Co., Inc., Baltimore, M.D., U.S.A. Sole Agents: Raj-Der-Kar & Co., Commissariat Building, Hornby Road, Fort.

SCRAPS

Benjamin Schwartz, 11, West, 42nd Street, New York 18, N.Y., Copper, Brass & Aluminium Scraps. Agents: Doshi Bros. (Bombay), National Insurance Building, 204, Hornby Road, Fort.

SCREENING PLANT

Bridges, S. N., & Co. Ltd., London. Sieving and Grading Machines. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

SCREWS

Guest, Keen & Nettelfolds, Ltd., London. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

SEWAGE EQUIPMENT

Adams Hydraulic Ltd., York. Makers of Apparatus and Fittings for Sewage Purification Works, Pumping Plant. Sole Agents: Gannon Dunkerley & Co. Ltd., Chartered Bank Building, Fort, Bombay.

Cakebread Robey & Co., London. Makers of Drain Cleaning Appliances. Agents: Richardson & Cruddas, Ltd., Byculla.

SHAPING & SLOTTING MACHINES

Ormerod Shapers Ltd., Hebdenbridge, Yorks, England. Sole Agents: Heatly & Gresham Ltd., 9, Forbes Street, Bombay.

SHIPPING COMPANIES

Belships Co., Ltd., Victoria St., Westminster, London, S.W. 1. Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

Bibby Bros. & Co., Martins Bank Building, Water Street, Liverpool. Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

Ellerman's City & Hall Lines Ltd., Bankside House, 107, Leadenhill Street, London, E.C. 3. Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

Everett Star Line, Central, P. O. Box No. 558, Tokyo, Japan. Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

France-Pakistan-India-Ceylon Line. Service of the Compagnie des Messageries Maritimes, Paris, to and from Continental and Mediterranean Ports. Representatives: Volkart Brothers, Ballard Estate.

Hoegh Line—Service of the Hoegh Line to and from U.S.A., Atlantic and Gulf Ports. Representatives: Volkart Brothers, Ballard Estate.

Holland-Bombay-Karachi Line and Holland-Bengal-Burma Line. Service of the United Netherlands Navigation Co., Rotterdam, to and from European Ports, Continental and Mediterranean Ports. Representatives: Volkart Brothers, Ballard Estate.

Isbrandtsen Lines, 26, Broadway, New York. Regular Cargo Service between India and American North Atlantic Ports. Agents: Shaw Wallace & Co., Ltd., Ballard Estate.

Java Pacific & Hoegh Lines—Service of Java Pacific Line and Leaf Hoegh & Co., A/s, Oslo to and from U.S.A. and Canada, Pacific Coast. Representatives: Volkart Brothers, Ballard Estate.

Nedlloyd Line—Service of the N. V. Stoomvaart Mij. Nederland and Koninklijke Rotterdamse Lloyd, from U.S.A., Atlantic and Gulf Ports. Representatives: Volkart Brothers, Ballard Estate.

Prince Line Limited, London. Representatives: Volkart Brothers, Ballard Estate.

Stanley & John Thompson, Ltd., London. (The Silver Line Ltd.). Representatives: Volkart Brothers, Ballard Estate.

T. & J. Harrison, Mersey Chambers, Liverpool Ltd. Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

Thos. & Jno Brocklebank Ltd., Cunard Building, Pier Head, Liverpool. Agents: Killick Nixon & Co., Ltd., Killick Building, Home Street, Fort.

SIZING MATERIAL

Houghton, E. F., & Co., Philadelphia. Agents: Hardcastle, Waud & Co., Ltd., Alice Buildings, Hornby Road, Fort.

SMALL TOOLS-METAL & WOOD WORKING

Firth Brown Tools Ltd., Files, Drills, Augers, etc. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

SOAP FACTORIES

F. C. Calvert & Co. Ltd., Manchester, England. Manufacturers of Carbolite Soaps and Products. Sole Agents for India: Carr & Co., Ltd., P. O. Box 152, Bombay.

John Gosnell & Co., Ltd., Lewes, England. Manufacturers of Fine Toilet & Bath Soap. Agents: T. Byramji & Co., Central Bank Building, Fort.

SOLVENTS

Chemische Werke Huls G.M.B.H. Marl, W. Germany. Solvents for Paint, Rubber & Food Industries. Agents: Wei Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

SOUND PROJECTORS (16 & 35mm.) FOR THEATRES AND HOME

British Thomson-Houston Export Co., Ltd., Rugby, England. BTH 35 mm. and 16 mm. single and double projection and Talking Picture Apparatus. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

SPEED INDICATORS & RECORDERS

Hasler Telegraph Works, 20, Victoria Street, Westminster, London, S.W.1. Sole Agents: Healey & Gresham Ltd., 9, Forbes Street, Fort.

James Jacquet, S.A., Basle, Switzerland. Speed Indicators, etc. Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

SPERM OIL

Hugh Highgate & Co., Ltd., England. Stockists: Roberts, McLean & Co., Ltd., Ilaco House, Sir Phirozshah Mehta Road, Fort.

PETER MOLLER A.S. (Fish Oils). Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

SPORTS GOODS MFRS. AND DEALERS

A. G. Spalding & Bros. Ltd., "Sports Goods." Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 20.

I. C. I. LTD., Sporting Ammunition Dept., England. "ELEY" and "KY-NOCH" Cartridges, Gun Powders, etc. I. C. I. Ltd., Plastics Division: "Luxon" Fishinglines, "Survon" for Tennis racquets. Representatives in India: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

SPRAY PAINTING EQUIPMENT

Aerograph Co. Ltd., London, England. Spray Painting Equipments. Agents: John Fleming & Co. Ltd., Bastion Road, Fort, Bombay.

Aerograph Co., Ltd., Holborn Viaduct, London, E.C. Spray Painting Apparatus. Agents: Gillanders Arbuthnot & Co., Ltd., Elphinstone Building, Vir Nariman Road.

Air Industrial Developments Ltd., Aidspray Works, Shenstone, Nr. Lichfield, Staffs., England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

B.E.N. Patents Ltd., High Wycombe, England. Spray Painting plants, Spray Guns, Compressors, Receivers. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Morris, B.O., Ltd., Coventry, Polishers. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

SPRINGS

Cope & Timmins (London) Ltd., 91/93, Paul Street, Finsbury, London E.C.2. Agents: Soho House, Lohar Street.

STATIONARY AND MARINE DIESEL ENGINES

Burmester & Wain, Copenhagen. Stationary and Marine Diesels. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

STATIONERS

Flak Davey & Co., Wainwright Street Works, Aston, Birmingham 6. Agents: Soho House, Lohar Street.

HARDTMUTH, L. & C. (GREAT BRITAIN), LTD., Koh-i-Noor Pencil Factory, Epsom, Surrey. Agents: Wiggins, Teape & Alex. Pirie (Export) Ltd., Kamani Chambers, Nicol Road, Ballard Estate.

Perry & Co., Ltd., "Perry" Steel Pens and other Stationery Items. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 20.

PIRIE, APPLETON & CO., LTD., Manufacturing Stationers, Chadwell Heath Mill, Essex. Agents: Wiggins, Teape & Alex. Pirie (Export) Ltd., Kamani Chambers, Nicol Road, Ballard Estate.

Stephens, H. C., Ltd., "Stephens Inks," etc. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 20.

STEAM, DIESEL & ELECTRIC LOCOMOTIVES & SPARES

Vulcan Foundry Ltd., Newton-Le-Willows, Lancashire, England. Sole Agents: Healey & Gresham Ltd., 9 Forbes Street, Fort.

STEAM LINE ACCESSORIES

Strong Carlisle & Hammond Co., Ohio, U.S.A. Reducing Valves, Steam Traps and Strainers for Steam, Air and Gas. Agents: Gannon Dunkerley & Co. Ltd., Chartered Bank Building, Fort, Bombay.

STEEL

C. D. Walzholz, Hohenlimburg, Germany. Cold Rolled & Cold Drawn Steels. Sole Distributors: F. Bock & Co., Shale Building, Bank Street, Fort, Bombay 1.

Stahlunion-Export G.m.b.H., Düsseldorf. Steel materials and products of all kinds. The Stahlunion Company Limited, 61, Pall Mall, London S.W.1. The Stahlunion Company Limited, Indian House, 4th Floor, Fort Street, Bombay 1. Telegraphic Address: "Marensteel", Bombay. Tel.: Branch Offices: Calcutta and Delhi.

Workington Iron & Steel Co., Workington, England. Steel Rails, Fish Plates, Steel Sleepers and Fastenings, Bridge and Pit Rails, Spring Steel Bars, Billets, Blooms and Slabs, West Coast Hematite Pig-Iron, Ferro-Manganese, Coal Tar, Ammonium Sulphate. Sole Representatives: The United Steel Companies (India) Ltd., Himalaya House, Junction of Hornby Road and Palton Road, Fort.

STEEL & BRASS

Vossloh Werke, G. M. B. H., Werdohl, Westfalia, Germany (Brit. zone). Agents: Soho House, Lohar Street.

STEEL (STAINLESS)

Brown Bayley Steels Ltd., Leeds Road, Sheffield. Agents: Healey & Gresham Ltd., 9, Forbes Street, Fort.

Fox (Samuel) & Co. Ltd., Sheffield, England. Alloy and Stainless Steel Sheets, Bars, Strip and Wire. Sole Representatives: The United Steel Companies (India) Ltd., Himalaya House, Hornby Road, Fort.

Les-Toles Inoxydables et. Speciaux, Ugines, Gureuxnon, Paris. Agents: Doshi Bros. (Bombay), National Insurance Building, 204, Hornby Road, Fort.

Republic Steel Corporation, U.S.A. All types of Steel (Stainless Steel, High Carbon Steel, Tool Steel, Mild Steel, etc.). Agent: Ahmed A. Fazelbhoj, 88, Queen's Road.

WARDLows LTD., Sheffield. Stainless Steel Rods and Sheets. Agents: Gaytee & Co., Jannabhoomi Chambers, Fort Street, Bombay 1.

STEEL CASTINGS

Edgar Allen & Co., Ltd., Sheffield. Makers of High Speed Steels, heavy C. S. castings and Metal Working Tools. Agents: Richardson & Cruddas, Ltd., Byculla.

STEEL MANUFACTURERS

Arthur Lee & Sons, Ltd., Sheffield, England. Manufacturers of Steel Bars, Plates, Structural, Stainless Steel, etc. Representative for Bombay: Eastern Trading & Engineering Co., Alice Building, 3rd Floor, 330, Hornby Road, Fort.

Dunford & Elliott (Sheffield) Ltd., Attercliffe Wharf Works, Sheffield, England. Mining Drill Steel Bars. Sole Representatives: The United Steel Companies (India) Ltd., Himalaya House, Hornby Road, Fort.

Edgar Allen & Co., Ltd., Sheffield. Makers of High Speed Steels, Heavy C. S. Castings and Metal Working Tools. Agents: Richardson & Cruddas, Ltd., Byculla.

English Steel Corporation Ltd., Sheffield. Steel and Engineers' Small Tools, Railway Wagon Accessories. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Exors of James Mills, Ltd., Stockport. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

Guest, Keen & Nettlefolds, Ltd., London. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

Hadfields Ltd., Sheffield. Stone Crushers and Colliery Equipment. "ERA" Patent Manganese Steel Points and Crossings and Special Track Work for Railways and Tramways, etc. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate, Fort.

Huntsman B. (Sheffield) Ltd., Sheffield, England. High Speed and Tool Steel. Sole Representatives: The United Steel Companies (India) Ltd., Himalaya House, Hornby Road, Fort.

Hallamshire Steel & File Co., Ltd., Hallamshire Works, Sheffield 3, England. Manufacturers of Black & Bright Bars in Alloy & Special Carbon Steels, Wire & Rods, etc. Sole Agents: H. Choksi & Co., Ltd., 106/108, Meadows Street, Fort, Bombay.

Johnson Richard & Nephew Ltd., Manchester, England. Mild Steel Wire. Sole Representatives: The United Steel Companies (India) Ltd., Himalaya House, Hornby Road, Fort.

Power, Fredrick A. & Sons (Saltley) Ltd., Edgbaston, Birmingham, England. Bright drawn Steel Bars. Sole Representatives: The United Steel Companies (India) Ltd., Himalaya House, Hornby Road, Fort.

Shipman's (Sheffield) Ltd., Sheffield, England. Silver Steel and Polished Music Spring Wire. Sole Representatives: The United Steel Companies (India) Ltd., Himalaya House, Hornby Road, Fort.

Summers, John & Sons Ltd., Hawarden Bridge Steel Works, Shotton, Chester, England. Steel Sheets. Sole Representatives: The United Steel Companies (India) Ltd., Himalaya House, Hornby Road, Fort.

STEEL PLATES

Appleby-Frodingham Steel Co., Scunthorpe, England. Mild Steel Plates for Shipbuilders, Bridge builders, Structural Engineers, Boiler Makers, etc. Steel Angles, Channels, Joists, Tees, Sheet Piling and Flats. Sole Representatives: The United Steel Companies (India) Ltd., Himalaya House, Hornby Road, Fort.

United Strip & Bar Mills, Sheffield, England. Steel Strip for all trades, Box Strapping, Barrel Hoops, Ferro-Concrete Bars, Bars for bolts, rivets and all Engineering purposes. Sole Representatives: The United Steel Companies (India) Ltd., Himalaya House, Hornby Road, Fort.

STEEL WINDOWS AND DOORS

Henry Hope & Sons, Ltd., Steel Windows & Doors Mfrs., Smethwick, Birmingham. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate, Fort.

Williams & Williams Ltd., Chester. Makers of Steel Windows & Doors. Agents: Richardson & Cruddas, Ltd., Byculla.

STEAM & WATER TURBINES

Hittachi Limited. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

STONEBREAKERS & GRANULATORS

Edgar Allen & Co., Ltd., Sheffield. Makers of High Speed Steria, Heavy C. S. Castings and Metal Working Tools. Agents: Richardson & Cruddas Ltd., Byculla.

SUFLEX SLEEVINGS

SUFLEX LTD., 35, Baker Street, London W.1. Suflex Sleeveings. Representatives: Latham Abercrombie & Co., Ltd., Forbes Building, Home Street, Fort.

SUGAR MACHINERY

A. F. Craig & Co., Ltd. Sole Distributors: William Jacks & Co., Ltd., Hamilton House, Ballard Estate, Fort.

FAWCETT, PRESTON & CO., LIMITED, Bromborough, Cheshire, England. Representatives: James Finlay & Co. Limited, P.O. Box No. 73, Bombay 1.

SUGAR MILLS

Incomati Estates Ltd., Portuguese East Africa. Agents: The Anglo-Thal Corporation Ltd., Ewart House, Bruce Street.

Sena Sugar Estates Ltd., Portuguese East Africa. Agents: The Anglo-Thal Corporation Ltd., Ewart House, Bruce Street.

SULPHUR

G. L. Corusso Torlat, Castonia, Italy. Agents: Doshi Bros. (Bombay), National Insurance Building, 204, Hornby Road, Fort.

SURGICAL GOODS AND INSTRUMENTS

Down Bros. and Mayer & Phelps Ltd., Surgical Instruments & Hospital Appliances. Agents: J. L. Morrison Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 20.

I. C. I. LTD., Plastics Division, England. Surgical Nylon Sutures, etc. Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

T. J. Smith & Nephew Ltd., Surgical Dressings 'Klastoplast', 'Gypsona', etc. Sole Agents: J. L. Morrison Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 20.

SURVEYING INSTRUMENTS

COOK TROUGHTON & SIMMS LTD., York, England. For Theodolites, Tachometers, Surveyor's Levels, etc. Agents: Pioneer Industries, 21, Forbes Street, P.O. Box 1908, Bombay 1. Phone: 31982. Grams: "PIO-METAL".

Henry Wild Surveying Instruments Supply Co., Ltd., Heerburg (Switzerland). Sole Agents: Raj-Der-Kar & Co., Ltd., Commissariat Building, Hornby Road, Fort.

SWITCHGEARS & METERS

Yorkshire Switchgear & Engineering Co., Ltd., Meanwood, Leeds 6, England. Manufacturers of Switchgears and Meters. Representatives: Asea Electric Ltd., Goa Street, Ballard Estate.

SYRUPS

Pietsch Bros. Vermont, Australia. (Doncaster Syrups). Agents: Weil Company, Chateau Marine, 41-B Marine Drive, Bombay 1.

TELEPHONES

Kellogg Switchboards and Supply Co., Chicago. Telephones and Switchboards of all types and sizes. Agents: Eastern Electric and Engineering Co., 127, Mahatma Gandhi Road, Fort.

TELEVISION TRANSMITTERS, OSCILLOGRAPH & INSTRUMENTS

Allen B. Du Mont Laboratories, Inc., New Jersey. Cathode-Ray Tubes, Cathode-Ray Oscillographs, Television Radios and Equipment. Agents: Eastern Electric and Engineering Co., 127, Mahatma Gandhi Road, Fort.

Southern Instruments, Ltd., Camberley, Surrey (England). All standard Minirock Oscillographs, Engine Indicators, Transient Recorders, etc. Agents: Eastern Electric and Engineering Co., 127, Mahatma Gandhi Road, Fort.

TEXTILE ENGINEERS

Allen Beam Co., New Bedford, Massachusetts. Wrapper Beams, etc. Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Bates Textiles Machine Co., Ltd., Leicester, England. Hosiery Finishing Machinery. Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

British Northrop Loom Co. Ltd., Daisyfield, Blackburn, England. Automatic Looms. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Cocker Machine and Foundry Co., U.S.A. High Speed Warping & Sizing Machinery. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Devoe & Co., Ltd., Manchester, England. Jacquards, Card Cutting Machinery, etc. Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Durrant G. & Sons, Ltd., Textile Specialists. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Kershaw (H.) & Son, Ltd., Mossley. Roller Cloth, Sizing Flannel, etc. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Lang Bridge Ltd., Accrington. Cotton Bleaching, Dyeing, Printing and Finishing Machinery. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Macadam & Co., Ltd., Manchester. Stamping Paste & Mercine Glaze. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Oldham Rope & Twine Co., Ltd., Oldham. Cotton Rope and Banding. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

O'Neill, S. & Sons, Ltd., Paper Cones & Tubes. Sole Representatives: W. H. Brady & Co., Ltd., Royal Insurance Buildings, Churchgate Street.

Petrie & McNaught Ltd., Rochdale, England. Wool Washing, Carbonising and Drying Machinery, etc. Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Rudman & Co., Ltd., F. R., Manchester. Mercine Glaze, Epsom Softening. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Sanderson & Co. (Textile Engineers), Ltd., Manchester, England. Yarn Conditioning Machinery, etc. Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Tatham (William) Ltd., Belfield Works, Rochdale, England. Cotton Waste and Woollen Machinery. Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Tragasol Products Co., Ltd., Hooton. Gum Tragasol and Gum Tragon for sizing and finishing. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Universal Winding Co., Providence, U.S.A. Mfrs. of Textile Winding Machinery. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Walrus Fibre Mfg. Co., Ltd., Rochdale, Lancashire, England. Card, Cans, etc. Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Whitley E. Gordon, Leeds, England. Woollen & Worsted Finishing Machinery, etc. Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Wilson & Ingham. Milled Card Clothing. Burnishing and Stripping Brushes. Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

Woonsocket Napping Machine Co., Woonsocket, U.S.A. Raising Machines. Sole Representatives: W. H. Brady & Co., Ltd., 12/14, Churchgate Street.

TEXTILE EQUIPMENT

Armstrong Cork Co., Ltd., Lancaster, Pa., U.S.A. Agents: Roberts, McLean & Co., Ltd., Ilaco House, Sir Phirozshah Mehta Road.

I. C. I. LTD., Metals Division, England. Copper Printing Rollers. Selling Agents: I. C. I. (India) Ltd., Post Box No. 310, Bombay 1.

Lindemann Pressenhan G. m. b. H., Dusseldorf, Germany. Scrap Sheers & Presses, Hydraulic Baling Presses for Cotton, Jute, etc. Sole Importers: Volkart Brothers, Ballard Estate.

Rossendale Belting Co., Ltd., Dudley Hill, Bradford. Hair Beltings. Representatives: Roberts, McLean & Co., Ltd., Ilaco House, Sir Phirozshah Mehta Road.

Stowara Fibre & Can Co., Ltd., Moston, Manchester 9. Fibre and Steel Card Cans. Agents: Roberts, McLean & Co., Ltd., Ilaco House, Sir Phirozshah Mehta Road, Fort.

Thomas B. Haigh & Joseph Gill Ltd., Horsforth (Leeds). Makers of spindle tapes. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Tomlinsons (Rochdale), Ltd., Rochdale. All forms of Drying Machinery. Thread extractors. Hard Waste Breakers. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Willan & Mills, Blackburn. Looms and Preparatory Machinery for Cotton and "St. Colombe" Automatic shuttle changing and Plain Looms for Silk, etc. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

William Dickinson & Sons, Blackburn. Looms and Preparatory Machinery. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Wilson & Co. (Barnsley), Ltd., Barnsley. Bobbins of all Types for Cotton, Silk and Wool. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

TEXTILE MACHINERY

Dewey and Almy Chemical Co., Cambridge 40, Massachusetts, U.S.A. and U.K.; Office at Park Royal London, N.W. 10. Manufacturers of Daxex Washers and Textile Printing accessories. Sole Agents: Gannon Dunkerley & Co. Ltd., Chartered Bank Building, Fort, Bombay.

TEXTILE & TECHNICAL PUBLICATIONS

NIXON (ALFRED) SON & TURNER, Chartered and Incorporated Accountants, 40, Braxennoose Street, Manchester, 2, England. British Representatives for The Indian Textile Journal, Ltd., and M. C. Rutnagar & Co., Military Square, Fort, Bombay.

TEXTILES

A. & R. Moos, Weislingen, Switzerland. Agents: F. W. Pollack & Co., 11, Oak Lane, Fort, Bombay.

Attenborough, C. W., & Co., Ltd., Leicester, England. Manufacturers of Knitted Fabrics. Sole Agents: Batlibol, C. J., & Co., 319, Hornby Road, Fort.

Copea Fabrics Ltd., Manchester. Manufacturers of Cotton and Art Silk Dress Fabrics, Furnishings, etc. Sole Agents: W. A. Beardsell & Co., Ltd., 15-16, Sir Phirozshah Mehta Road, Fort.

Charles Gorini, St. Gall, Switzerland. Agents: F. W. Pollack & Co., 11, Oak Lane, Fort, Bombay.

Hield Brothers Ltd., Bradford, England. Manufacturers of Woollen Textiles. Sole Agents: Batlibol, C. J., & Co., 319, Hornby Road, Fort.

Les Petits-Fils de C. J. Bonnet, Lyon, France. Pure Silk Piecegoods, Brocades, etc. Agents: T. Byramji & Co., Central Bank Building, Fort.

Peers Knowles, Limited, Accrington, England. Manufacturers of Clearer and Roller Cloths, Sizing Flannels and Ermen's Endless Clearer Cloths. Trade Mark: "Hydra Brand". Agents: The Sizing Materials Co., Ltd., Jerroo Building, 137, Mahatma Gandhi Road Bombay 1.

TEXTILES MANUFACTURERS

Dan River International Corporation, 1407, Broadway, New York, N.Y. Cotton, Woollen and Art Silk Piecegoods. Agents: Windmere (India) Ltd., Sir Vithaldas Chambers, Apollo Street, Bombay.

SIBER & WERHLI LTD., Zurich (Switzerland). Manufacturers of Rayon & Nylon Fabrics. Sole Agents for India, etc. M. Daldas & Sons, 190, Princess Street, Bombay 2. Phone: 30124.

TESSITURA DE MERATE, COMO. (Italy). Manufacturers of Rayon & Nylon Fabrics. Sole Agents for India, etc. M. Daldas & Sons, 190, Princess Street, Bombay 2. Phone: 30124.

THERMOSTATIC STEAM & WATER MIXERS

Walker Crossweller & Co., Ltd., Leonard Thermostatic Valves. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

TIES

Ballas, J. & Co., Lyon, France. Neckties, Scarves, etc. Agents: T. Byramji & Co., Central Bank Building, Fort.

H. MARILUS, Zurich. Manufacturers of Silk & Rayon Neckties. Sole Agents for India: M. Daldas & Sons, 190, Princess Street, Bombay 2. Phone: 30124.

La Commerciale Tarinese, Italy. Sole Agents: Commodities Exchange Corporation, Jan Mansion, Sir Phirozshah Mehta Road, Fort.

Western Neckware Co. Inc., San Francisco. Sole Agents: Commodities Exchange Corporation, Jan Mansion, Sir Phirozshah Mehta Road, Fort.

TILE & MARBLE MANUFACTURERS

Johnson, H. & R., Ltd., Tunstall. Manufacturers of Glazed Tiles. Agents: A. H. Shah & Co., Jan Mansion, Sir Phirozshah Mehta Road, Fort.

T. & B. Boote Ltd., Burslem (England). Mfrs. of Glazed Tiles. Agents: The Anglo-Thal Corporation Ltd., Ewart House, Bruce Street.

TILES & POTTERY MACHINERY

Aebi & Cie (Robert), Zurich, Switzerland. Machinery and complete plant for the Manufacture of Roof and Floor Tiles, Bricks, Pottery, Porcelain-ware, Sanitary-ware, etc. Sole Importers: Volkart Brothers, Ballard Estate.

TIME RECORDERS

General Time Instruments Corporation, La Salle, Illinois, Stromberg. Industrial Time Clocks, etc. Agents: Eastern Electric and Engineering Co., 127, Mahatma Gandhi Road, Fort.

Syachroume Co., Ltd., England. Electrical Apparatus such as Master Clocks, Secondary Clocks, Impulse Clocks, etc. Agents: Eastern Electric and Engineering Co., 127, Mahatma Gandhi Road, Fort.

TOBACCONISTS

Benson & Hedges, Trafalgar House, Pallmall, London. Cigars, Cigarettes & Tobacco. Agents for whole of India & Pakistan: Philipson & Co., Ltd., 6, Apollo Street, Fort.

Freeman, J. B., & Son, Ltd., Pulton Place, Walham Green, London, S.W. 6. Cigars. Agents for whole of India & Pakistan: Philipson & Co., Ltd., 6, Apollo Street, Fort.

TOILETRIES

A. Rowland & Sons, Ltd., "Macassar Oil". Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Bronnley, H., & Co., Ltd., London. Makers of high class soaps and perfumes and Toilet requisites. Agents: The Anglo-Thal Corporation, Ltd., Ewart House, Bruce Street.

County Perfumery Co., Ltd., "Brylcreem". Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Fairy Dyes Ltd. "Morning Pride Shaving Cream". Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Gala of London Ltd. Nail Colour, Lipsticks, Liplines, etc. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Innoxa (England) Ltd., "Innoxa Beauty Preparations." Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Jarrett, Rainsford & Laughton Ltd., Birmingham, England. Representatives: Bhimjee & Co., Ltd., 17, Elphinstone Circle, Fort.

John Gonnell & Co., Ltd., Lewes, England. Soaps, Perfumes and Toilet Requisites. Agents: T. Byramji & Co., Central Bank Building, Fort.

JOHNSON & JOHNSON (Gr. BRITAIN) LTD., England. Selling Agents: I. C. I. (India) Ltd., Imperial Chemical House, Ballard Estate, Bombay 1.

Macleans, Ltd. Macleans Peroxide Toothpaste, and Toothbrushes. Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Morny, Ltd. Perfumery & Toilet Specialists. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Pritchard & Constance Ltd., "Amami". Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Roger & Gallet, France, Switzerland & England. High Class Soaps, Perfumes and Toilet Requisites. Agents: T. Byramji & Co., Central Bank Building, Fort.

T. F. Bristow & Co., Ltd., "Hendonla" Solid & Liquid Brilliantine. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

Thomas Christy & Co., Ltd., Glycothymoline, Liquid Lanoline and Zepto Tartar Removing Pencils. Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

TOOLS MFRS. AND DEALERS

ACKERMANN U. SCHRITT K. G., Postfach 28, Stuttgart, 13, Germany. Electric Tools. Representatives: James Finlay & Co., Limited, P.O. Box No. 73, Bombay 1.

Bridges, S. N., & Co., Ltd., London. Pipe Dies. Portable Electric Tools. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

C. & E. Fein, Germany. All kinds of Portable Electric Tools. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

CEMENTED CARBIDE PRODUCTS LTD., U.K. for Tungsten Carbide, Tool bits for Machining, Dies for Wire Drawing, Units for Mining Tools, etc. Agents: Pioneer Industries, 21, Forbes Street, P.O. Box No. 1900, Bombay 1. Phone: 31982. Grams: "PIOMETAL".

Charles Neli & Co., Ltd., Sheffield. Cramps, Vices, etc. Agents in India: Armstrong Smith Limited, Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Charles Thomas & Co. Ltd., Wainwright Street, Astar, Birmingham 6. Agents: Soho House, Loha Street.

English Steel Corporation Ltd., Sheffield. Steel, and Engineers' Small Tools, Railway Wagon accessories. Sole Concessionaires: Greaves Cotton & Co., Ltd., 1, Forbes Street, Fort.

Hack Saws Ltd., Sheffield. "Aven" Hack-saw Blades, Frames and Metal Cutting Band Saws. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Humphries & Sons Ltd., Dorset. Spanners & Pipe Wrenches. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Ideal Machine Tool & Engineering Co. Ltd., London. Calipers, Gauges & Precision Tools. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Nuckey, Scott & Co., Ltd., London. "Warrior" Brand Taps & Dies. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Peter Stubs, Ltd., Warrington. Files, Gravers, Scrapers, Tool Holder Bits, Tool Steels. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Robert Sorby & Sons, Ltd., Sheffield. Edge Tools, Garden Tools, etc. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Turton Bros. & Matthews Ltd., Sheffield. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

Vereinigte Beckersche Werkzeugfabriken Remscheid, W. Germany (For Tools). Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

VEERKOOPKANTOOR VAN DER HEEM N. V., Maaniveg 256, The Hague, Holland. Electric Drills. Representatives: James Finlay & Co., Limited, P.O. Box No. 73, Bombay 1.

WALTER SPENCER & CO., LTD., Crescent Steel Works, Warren Street, Sheffield 4, England. (Mfrs. of High-speed and Alloy Tool Steels, Carbon Tool Steel, Twist Drills, Files, Cutters, Hobs, Reamers, Cemented Tungsten Carbide Tips, Tipped Tools and Tool Bits, etc., etc.) Agents: Gaytee & Co., Janmahoomi Chambers, Fort, Bombay. Grams: "IMPENG."

TOOLS SHARPENING MACHINES

Russell, S., & Sons, Ltd., Leicester. Cold Sewing Machines, Saw Sharpening Machines. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

TRACTORS & PLOUGHS

International Harvester Export Co., Chicago, U.S.A. Agricultural Machinery and Implements, McCormick-Deering Tractors, (Agricultural and Industrial). Sole Importers: Volkart Brothers, Ballard Estate.

Oliver Corporation. Cletrac & Oliver Tractors, Oliver Ploughs, etc. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Graham Road, Ballard Estate.

TRACTION GEARS AND UNITS

Wiseman, Alfred & Co. Ltd., Glover Street, Birmingham 9. Sole Agents: Heatly & Gresham Ltd., 9, Forbes Street, Fort.

TRAIN LIGHTING BATTERIES & ACCUMULATORS

Pritchett & Gold & E. P. S. Co. Ltd. Manufacturers of Accumulators of all types. Head Office: 50, Grosvenor Gardens, Victoria, London. Sole Agents: Heatly & Gresham Ltd., P. O. Box No. 225, Bombay. Telephones: 27021, 27022. General Manager for India: Niren N. Ghose, J. P., D.F.H. (Lond), A.M.I.E.E.

TRANSFORMERS

Hitachi Ltd. Sole Agents: William Jacks & Co., Ltd., Hamilton House, Ballard Estate, Fort.

TRAVELLING REQUISITES

Fibre Case Co. Ltd., 36/8, Peckham Road, London, S.E. 5. Agents: Soho House, Lohar Street.

TUBE WELL DRILLING AND BORING EQUIPMENT

English Drilling Equipment Co., Ltd., London. Agents: Killick, Nixon & Co. Ltd., Killick Building, Home Street, Fort.

TYGLAS

Fothergill & Harvey Ltd., Manchester. Agents: Killick, Nixon & Co. Ltd., Killick Building, Home Street, Fort.

TYGAN FLYSCREENING

Fothergill & Harvey Ltd., Manchester. Agents: Killick, Nixon & Co. Ltd., Killick Building, Home Street, Fort.

TYPEWRITERS

ATVIDABERGS INDUSTRIER, Export Dept., Postfach, Stockholm 7, Sweden; Haida Typewriters and Facit Calculators. Representatives: Latham Abercrombie & Co., Ltd., Forbes Building, Home Street, Fort. **Pallard Ltd., Yverdon (Switzerland).** Hermes Typewriters. Sole Importers: Volkart Brothers, Ballard Estate.

TYPEWRITER AGENCIES

FACIT (Aktiebolaget Facit), Stockholm, Sweden. "Haida" Typewriters and "Facit" Calculating Machines. Representatives: Latham Abercrombie & Co., Ltd., Forbes Building, Home Street, Fort.

UPHOLSTERY

I. C. I. LTD., Leather cloth Division, England. "REXINE" & "VYNIDE" Leather cloth. Selling Agents: I. C. I. (India) Ltd., Imperial Chemical House, Ballard Estate, Bombay 1.

VACUUM BRAKE EQUIPMENT

Gresham & Craven, Ltd., Ordsal Lane, Salford, Manchester, England. Sole Agents: Heatly & Gresham, 9, Forbes Street.

Vacuum Brake Co., Ltd., 137, Abby House, Victoria Street, London, S.W. 1. Locomotive and Rolling Stock Fittings. Agents: Heatly & Gresham Ltd., 9, Forbes Street, Fort.

VACUUM CLEANERS

R. G. Dixon & Co., Ltd., Wembley. Vacuum Cleaners and Floor Maintenance Machines. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

VALVES (WATERWORKS)

Ham Baker & Co., Ltd., England. Valves, Penstocks Fittings, etc. Agents: John Fleming & Co., Ltd., Bastion Road, Fort, Bombay 1.

J. Blakeborough & Son, Ltd., Brighouse. Makers of Valves all types, and other Waterworks Appliances. Agents: Richardson & Cruddas Ltd., Byculla.

VAULTS, LOCKS AND SAFES

Mosler Safe Co., New York. Agents: Balmer Lawrie & Co., Ltd., 5, Graham Road, Ballard Estate, Fort.

VEE ROPE MFRS.

Fenner, J. H., & Co., Ltd., Marfleet, Hull, England. V-Belts and V-Belt Drives. Agents: Greaves, Cotton & Crompton Parkinson Ltd., 1, Forbes Street, Fort.

VENTILATORS

Greenwood & Airvac Ventilating Co., Ltd., Kingsway, London. Manufacturers of Airvac Ventilators and Railway Carriage Ventilating Fittings. Agents: J. D. Jones & Co. (Bombay), Ltd., Rustom Building, Churchgate Street, Fort.

Robertson, Thain Ltd., Mersey Iron Works, Ellesmore Port, Wirral, Cheshire. Sole Agents: Heatly & Gresham Ltd., 9, Forbes Street, Fort.

VETERINARY SPECIALITIES

Bob Martin (Export) Ltd., "Condition Powders and Dog Remedies." Sole Agents: J. L. Morison, Son & Jones (India) Ltd., opp. Mahalaxmi Temple, Warden Road, Bombay 26.

WASHING MACHINES

R. Powley & Sons Ltd., Sunderland, England. Washing Machines for any industry. Agents: Well Company, Chateau Marine, 41-B, Marine Drive, Bombay 1.

WATCH & CLOCK MAKERS

Gebruder Junghans, A. G., Sohrnberg, Black Forest, Germany. Agents: T. Byramji & Co., Central Bank Building, Fort.

Langendorf Watch Co., Langendorf, Switzerland, for "Lanco" Watches and Parts. Agents: T. Byramji & Co., Central Bank Building, Fort.

WATER CURRENT METERS

W. & L. E. Gurley, Engineering and Surveying Instruments such as Current Meters, Telescope Level, etc. Agents: Eastern Electric & Engineering Co., 127, Mahatma Gandhi Road, Fort.

WATER FILTRATION

CANDY FILTER CO., LTD., London. Manufacturers of all types of Water Purification and treatment Plant. Agents: Candy Filters (India) Ltd., Forbes Bldg., Home Street, Fort, Bombay.

Metafiltration Co., Ltd., Hounslow, Middlesex. Metafiltrater for Laboratory and Industrial use. Agents: Roberts McLean & Co., Ilaco House, Sir Phirozshah Mehta Road.

Permutit Co., Ltd., London. Manufacturers of Base Exchange and Soda Lime Water Softeners, Water Purification Plant. Agents: J. Stone & Co. (India), Ltd., Yaffa Building, Goa Street, Ballard Estate.

WATER METERS

AQUAMETRO LTD., Switzerland, Basle. Meters for Water and other Liquids. Sole Importers: Volkart Brothers, Ballard Estate.

British Pfometer Co., Ltd., London. Venturi Meters and Recorders. Agents: Glenfield & Kennedy, Ltd., 198, Jamsheджи Tata Road, Fort, Bombay 1.

British Water Meter Co., Ltd., Manchester. Water Meters. Sole Agents: Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Fort, Bombay.

Cleveland Meters Ltd., Yorkshure. Makers of Water Meters. Agents: Richardson & Cruddas, Ltd., Bynulla.

COMPAGNIE CONTINENTALE D'APPREIL, De Mesure, Bruxelles, Belgium; Water Meters, Gas Meters, Gas Water-Heaters etc; Agents: Gaytee & Co., Janmabhoomi Chambers, Fort Street, Bombay 1.

Glenfield & Kennedy, Ltd., Kilmarnock. Inferential and Positive Agents: Glenfield & Kennedy, Ltd., 198, Jamsheджи Tata Road Fort Bombay 1.

Taylor of London Ltd., London, England. Water Meters, Waste, & Cocks Fittings. Agents: John Fleming & Co., Ltd., Bastion Road, Fort, Bombay 1.

WATERPROOF ABRASIVE PAPERS

Minnesota Mining & Manufacturing Co. Ltd., Adderley Park, Birmingham 8. Agents: Gillenders Arbuthnot & Co. Ltd. Elphinstone Building, Veer Nariman Road.

WATER PURIFICATION & SCALE PREVENTING DEVICES

Euro Limited, Belgium. Water Purification Plants, Electro Magnetic Scale Preventing Devices for Water and Sugar-cane Juice, Black liquor in paper Industry. Contact: Ratanshi Moraji Limited, Prospect Chambers 317 21, Hornby Road, Bombay 1.

WATER TREATING CHEMICALS

"ALFLOC" Water Treatment Chemicals. I. C. I. Ltd., "ALFLOC" Water Treatment Service, England. Selling Agents: I. C. I. (India) Ltd., Imperial Chemical House, Ballard Estate, Bombay 1.

WEIGHBRIDGES

Ashworth, E. & A. Ltd., Crown Engineering Works, Staincliffe Road, Dewsbury, Yorks, England. Scales & Weighbridges. Agents: Healty & Gresham Ltd., 9, Forbes Street, Fort.

WEIGHING MACHINE MFRS.

Autopack Ltd., Birmingham. Weighing & Filling Machines for Food-stuffs, Tea, Flour, Cereals, Soap Flakes. Weighing, Pressing and Tin Feeding Machine for Barley, Coffee, etc. Agents for India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

WELDED STEEL WIRE FABRIC

British Reinforced Concrete & Engineering Co., Ltd., Lichfield Road, Stafford, England. Sole Agents: Healty & Gresham, Ltd., 9, Forbes Street, Fort.

Twistee Reinforcement, Ltd., Smethwick. Steel Reinforcing Fabric and Bars. Agents: Guest, Keen, Williams, Ltd., Das Chambers, Dalal Street, Fort.

WELDERS (ELECTRIC & GAS)

Selaky Electric Welding Machines Ltd., Farnham Road, Slough, Bucks, England. Agents: Machine Tools (India) Ltd., Imperial Chambers, Wilson Road, Ballard Estate.

WELDING EQUIPMENT

Asea Svets, Stockholm, Sweden. Manufacturers of Welding Equipment of all Types & Electrodes. Representatives: Asea Electric Ltd., Yaffa Building, Goa Street, Ballard Estate, Bombay 1.

Murex Ltd., Rainham, Essex. Agents: Guest, Keen, Williams Ltd., Das Chambers, Dalal Street, Fort.

Welding Supplies Ltd., London. Electrodes and Welding Plants. Agents in India: Armstrong Smith Ltd., Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

WHEELS & AXLES

Taylor Brothers & Co. Ltd., Trafford Park Steel Works, Manchester. Manufacturers of Axles, Wheels and Tyres. Agents: J. Stone & Co. (India) Ltd., Yaffa Building, Goa Street, Ballard Estate.

WINDOW & DOOR FITTINGS (TRANSPORT)

Aldam Hill & Co., Ltd., E., Britannic Works, Haslemere Avenue, London, S.W. 18. Sole Agents: Healty & Gresham Ltd., 9, Forbes Street, Fort.

Williams & Williams, Ltd., Chester. Makers of Steel Window Frames. Agents: Richardson & Cruddas, Ltd., Bynulla.

WINDOWS FOR RAIL, ROAD AND MARINE TRANSPORT

Beckett Laycock & Watkinson Ltd., Acton Lane London, N.W. 10. Sole Agents: Healty & Gresham Ltd., 9, Forbes Street, Fort.

WINE & SPIRITS

A. De Luze et Fils, 88, Quai des Chartons, Bordeaux, France. Wines and Liqueur Brandy. Agents for whole of India and Pakistan: Phipson & Co., Ltd., 6, Apollo Street, Fort.

Barclay Perkins & Co., Ltd., Brewery, Park Street, Southwark, London, S.E. 1. British Beer. Agents for whole of India & Pakistan: Phipson & Co., Ltd., 6, Apollo Street, Fort.

Begg, John, Ltd., 64, Waterloo Street, Glasgow. Whisky. Agents for whole of India & Pakistan: Phipson & Co., Ltd., 6, Apollo Street, Fort.

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Telephone No. 21355—Office.

" No. 32154—Manager.

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Telegraphic Address: "Yuletide," Calcutta.

London—Yule, Catto & Co., Ltd., Orient House, New Broad Street, London, E.C. 2.

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Ewart House, Bruce Street, Bombay.
Branches: Bombay, Karachi, Bangkok, Singapore and Penang.

Telegraphic Add.: "Ewart," Bombay.
Tel. No. 26261 (2 lines).

Manager: G. A. D. Porter.

Assistants:—J. A. Peace (Signs per pro)
W. Schlesinger (Signs per pro), I. W. Revell (Signs per pro), E. M. Bottel.
M. A. Taleyarkhan, P. W. Creagh.

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Codes used: Bentley's, Acme and "New Standard" (half-word).

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Agents for:—

The London Assurance (Fire & Marine).
The British Law Insurance Co., Ltd. (Settlement of Marine Claims).

The Alliance Assurance Co. Ltd., London. (Settlement of Marine Claims).

Compagnie Belge D' Assurances Maritimes "Belgamar," Antwerp. (Claim Settling Agents).

"Levant" Insurance & Reinsurance Co., Genoa. (Settlement of Marine Claims).

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Howards of Ilford Ltd., Ilford, near London.

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Thomas Cowan & Co., Extermination of White Ants.

Oxo Ltd., London.

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Dreyfus & Co. Ltd., London, Melbourne, Sydney.

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Managing Agents & Secretaries: Tyresoles Concessionaires Ltd., Recoondo Ltd.

Apex Traders, P. Mehta Road, Advant Chambers, Bombay 1. Importer, Exporter & Commission Agent.

Apollo Engineering Co., Engineers & Contractors, Apollo Street, Fort, Bombay.

Phone No. 23368.

ARDESHIR B. CURSETTEE & SONS LTD., Stevedores, Dubashes and General Marine Contractors, 6, Rampart Row, Fort, Bombay. Tel. Address: "Greyhound." Phone Nos. 20103, 28543 and 25914.

ARDESHIR, D. & CO., Importers and Exporters of Bristles, Behramji Mansion, Sir Phirozshah Mehta Road, Bombay.

Tel. Add: "Dardeshir".

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Ardeshr Hermusji Dinshaw & Co., Solicitors and Notaries Public, 113, Mahatma Gandhi Road, Fort.

Partners: Framroze A. Vakil, Bapuji D. Lam, Noshervan J. Kohiyar, R. F. Divecha, Jehangir M. Khambata, J. S. Warden, S. J. Banaji, F. M. Dalal, Asstt. E. M. Mody. Tel. Address: "Aswin."

Phone Nos. 22078 and 22079.

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Art Leather Ltd., Dealers in Leather cloth, Oil cloth, Plastic cloth "Ganesh Prasad," 10, Sleater Road, Bombay 7.

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Asiatic Trading Co., Importers & Stockists of Industrial Machinery, 19, Bank Street, Fort, Bombay.

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Atlas Assurance Co. Ltd. (Established 1808). Head Office—92, Cheapside, London.

Bombay Branch—Dougall Road, Ballard Estate. Manager: E. M. Smythe.

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BLACKWOODS INDIA LTD., Kasturi Bldg., Janshedji Tata Road, Churchgate, Bombay 1. Post Box 1012. Tel.: 30666. Grams: "Blackwoods." Sole Agents for Underwood Typewriters; Monroe, Sundstrand, Sunlock & Plus Adding and Calculating Machines; IBM Time Recording Systems, Photo, Roto, Bil-Roto & Biograph Duplicators; Ormick Production Control & Order-Invoicing Systems, Lumoprint Photo-Copying Equipment, Adrema Maschinenbau Addressing, Listing & Data-writing Machines and Systems, Paragon Carbon Copy Books, Continuous Forms and Business Systems, Shannon Visible Card & Filing Systems, Elliot-Fisher Accounting Machines, Carbons, Ribbons, Steel Furniture, Supplies, Accessories, Servicing and Repairs of all types of office machines.

Blaschek & Co., H., Importers, Exporters and General Merchants, Dadysett House, 44, Cowasji Patel Street, Fort.

Blue Star Engineering Co. (Bombay) Ltd., Air Conditioning Refrigeration, Kasturi Buildings, Janshedji Tata Road, Bombay 1. Phone No. 35061. Tel. Address: "Blue-frost."

BLUNDELL, SPENCE & CO., LTD. (see The Elephant Oil Mills Ltd.)

BOCK, F. & CO., Shale Building, Bank Street, Post Box No. 1288, Fort, Bombay 1. Tel. Address: "Efbock." Phone No. 32123. Factory: 61336. Manufacturers and Importers of Dyes, Chemicals, Pharmaceuticals, Drugs and Medicines. Managing Agents for Bombay: Sewree Chemicals Manufacturing Co., Ltd.

Bole Brothers, Dealers in Surgical Instruments and Hospital Furniture, 49, Princes Street, Bombay 2. Phone No. 25310.

Boltnjkar Metal Works Ltd., Frere Bridge Low Level, Bombay No. 7.

BOLTON FINE ART LITHO WORKS, 274, Tardeo, Bombay 7. Offset Colour Printers of Cinema Posters, Show Cards, Labels, Boxes, Playing Cards, Insurance Policies, Cheque Books, etc. Estd. 1909. Phone: 41614. Grams: "Boltonlitho."

Bomanji Dhanjibhoy, Ltd., 17, Murzban Road, Fort, Dubashes, Contractors for Transport of Refrigerated Cargoes.

Bomanji Edulji Cassinath, M., Stockists & Dealers in Electrical Goods, 17/10, Bastion Road, Fort. Phone No. 20357.

BOMBAY AGENCY, Sole Selling Agents for: "Food Canister" Combs, Foot rulers, Soap cases, Trays, Toys, etc. Ramnani Building, Behind Metro Cinema, Bombay 1. Phone: 34465. Grams: "Jolbet."

Bombay Alliance Assurance Co., Ltd., Yusuf Building, Mahatma Gandhi Road, Fort.

Bombay Ammonia & Refrigeration Co. Ltd., Ice making and cold storage engineers. Bazar Gate Street, Fort.

Bombay Armoury, Arms & Ammunition and hunting Requisites Dealer, 329-331, Abdul Rehman Street.

BOMBAY BURMAH TRADING CORPORATION LTD., THE, 9, Wallace Street. Merchants, teak timber and other hardwoods, tea, Coffee etc. Directors: J. F. Parry, Sir Cowasji Jhangir, Bart., G.B.E., K.C.I.E., L.F.H. Goodwin, A. E. Blair & Pratap Singh Mathuradas, Secretaries, Treasurers and Managers: Wallace & Co., Correspondents in Europe Wallace Bros. & Co., Ltd., 4, Crosby Square, London, E.C. 3. Code used: 2nd Bentley's Tel. Address: "Romford". Phone No. 25032. P. O. Box No. 201.

Bombay & Calcutta Cycle Co., 413, Vasant Wadi, Kalbadevi Road, Bombay 2.

Bombay Cash Bazar, General Department Stores, Flora Fountain, Fort.

BOMBAY CHEMICALS LTD., Maneckji Wadia Building, 129, Mahatma Gandhi Road, Fort. Manufacturers of (i) Pyrethrum Extracts and "Pip" Insecticide; (ii) other household Insecticidal Preparations, (iii) Pyro-Products used in Agriculture and Grain Storage. Stockists and Distributors of Chemicals; Agents to (i) Messrs. Usines de l'Alouidon, Switzerland, for their aromatic chemicals and synthetic essential oils. (ii) Altman & Co., Ltd., Birdham Road, Chichester, Sussex, England, for their Power Dusters. (iii) Drake & Fletcher Ltd., Malden, England for "New Armada Dusters." (iv) Hatsuta Industrial Co., Ltd., Japan, for Agriculture Dusters and Sprayers. (v) Aktibolaget Calvert & Co., Gothenburg, Sweden for Sprayers (vi) Hauck-Flame Gun Co., Ltd., England for Flame Guns. Licences and Sole Distributors for Insecticides of E. Merck, Darmstadt, Germany, in the Union of India. Phone: 31670. Grams: "Pyrethrum."

BOMBAY CHRONICLE, THE, Red House Elphinstone Circle, Fort. Proprietors: The Bombay Chronicle Co., Ltd., Tel. Address: "Chronicle." Phone No. 22037. G.P.O. Box No. 322, Bombay.

BOMBAY COMPANY, LTD., THE, Merchants, Exporters & Importers of Cotton, Wool, Pilegoods, Metals, Machinery, etc.

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M. W. Lowndes, Madras.

Manager:—

G. V. Nath, Calcutta.

Assistants, Bombay:—

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Wool Dept.: H. L. Murray.

Export-Import Dept.: D. R. T. Wickham.

Engineering Dept.: J. H. Hague.

Fibreglass Dept.: F. A. Gough.

Shipping Dept.: W. Pintó.

Office Manager:—

S. S. Mondkar.

Secretaries, Treasurers & Agents:—

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The Vishnu Cotton Mill Ltd., Sholapur.

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Chance Bros. Ltd. (Glass).

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Agents (Engineering Equipments):—

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Cock Shutt Farm Equipment Ltd. (Tractors, Harvesters, Cultivators, Seed Drill, Harrows, Ploughs, etc.)

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H. K. Hilfler-Dunn (Electronic Scale Preventors).

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Martin Black & Co., Ltd. (Wire Ropes).

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The Lees-Bradner Co. (Thread-milling & Hobbing Machines).

U. K. Agents:—Messrs.

Wyer & Hawke.

Corresponding Firm:—4, Crosby Square, London, E.

Messrs. Wallace Brothers & Co., Ltd. C. 3.

Tel. Address: "Wood Screw".

Phone: No. 25031 (Five lines).

Post Bag 1081.

Bombay Co-operative Insurance Society Ltd., Co-operative Insurance Building, Sir Phirozshah Mehta Road, Fort.

Bombay Crystal Ice Works, No. 179, Motilala Lane, Victoria Gardens Post, Bombay 27.

Bombay Cycle and Motor Agency, Ltd., 534, Sandhurst Bridge, Bombay 7. Agents for Dodge Cars & Trucks & Chrysler Cars.

Tel. Address: "Cyclotours." Phone Nos. 70684-5 and Works 73411-2.

BOMBAY DRUMS MANUFACTURERS
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24, Calicut Street, Safa Mansil, Fort, Bombay.

We manufacture all kinds of Drums and Cans for Colours, Chemicals, Powders and Phenyle, etc. Only one trial of your order will satisfy you. Phone: 20042.

Bombay Dyes & Chemical Co., Dyestuffs, Colour and Chemical Dealers, Opp. Shree Ram Market, Bombay 3.

Bombay Fine Art Offset and Litho Works, 10, Sussex Road, near Victoria Gardens, Bombay No. 27. Tel. No. 41609. Tel. Address: "Zion."

BOMBAY FIRE & GENERAL INSURANCE CO., LTD. Head Office: 14, Jamshedji Tata Road, Churchgate Reclamation, Post Box No. 548, Bombay 1. Directors:—Manoobhai Doongursee (Chairman); Shapoorji Pallonji Mistry, M. A. Fazalbhoy; F. H. Kemple; Pallonji Shapoorji Mistry, Framroze S. Mehta. Telegrams: "Bominsure." Phone Nos. 35019 and 35010. Business transacted: Fire, Loss of Profits by Fire, Earthquake, Riot or Civil Commotion, Motor Car, Personal Accident, including Aviation, Burglary, All Risks. Fidelity guarantee, Marine, etc. Manager—B. H. Reporter.

BOMBAY GARAGE, LTD., THE, Meher Building, Chowpatty, Bombay 7.

Managing Agents.—F. M. Chinoy & Co., Ltd.

Tele. Address: "Friendship."

Phone: 42026 (4 lines).

Distributors: Chevrolet Cars and Trucks; Vauxhall Cars; Frigidaires; Indian Motor Cycles, Perkins Automotive Diesel Engines.

Dealers: Tyres, Batteries, Spare Parts & Accessories.

BOMBAY GAS CO., LTD., Administration & Finance Offices and Show Rooms (Ground floor), Empire House, 214, Hornby Road, Fort and Works—Chinchpokli, Parel. Secretary: S. Chowdhary.

Tel. Add.: "Cristolite." Phones: Works 42023 (2 lines), Administration and Finance Offices and Show Room: No. 27271 (3 lines) P. O. Box 85.

Bombay General Agency, Regd. General Merchants and Stores Suppliers, Jiji House, Ravelin Street, Fort. Tel. Address: "Faithful." Phone No. 34814. Residence: 8-362.

Bombay Glassworks, The, Glass Manufacturers and Indent Operators, Wanmala Tank Road, Bombay 16.

Bombay Import & Export Agency, Importers of all kinds of Yarns, Trimmings and Sari Borders, Anna House, opp. Lloyd's Bank, Hornby Road, Fort. Phone: 24811.

Bombay Letter Foundry Ltd., Type Founders & Printers' Providers, 7A, Nickadway Lane, Kandewadi, Gigaum, Bombay 4.

BOMBAY LIFE ASSURANCE CO., LTD. (Estd. 1908), The Bombay Life Building, 15-47, Church Gate Street, Fort, Bombay 1.

Board of Directors:—

Maneklal Premchand (Chairman).

Rameshwar Das Birla.

Raja Bahadur Govindlal Shrivast

Motilal.

Mrs. Lalavati K. Munshi.

Sujir Pundalik Nayak.

Bhaskarrao V. Mehta, M.A., LL.B.

K. Vasudeva Kini, B.E.

Pingle Venkata Rama Reddy.

Medical Referees:—Dr. A. S. Erulkar, M.D. (Lond.).

Manager & Actuary:—K. Balasubrahmanyan, B.Com. (Bom.), A.I.A. (Lond.), A.C.A., J.P.

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Bombay Metal Industries, Non-Ferrous Metal Refiners & Rollers. Office: Aga Khan Building, Dalal Street, Fort. Factory: 61-C, Currey Road, Bombay 12.

Bombay Metal Products Co., Metal and Hardware Merchants, 86, Khadlikar Road, Bombay 4.

Bombay Mill Stores Supply Co., Ltd., Western India House, Sir Pherozshah Mehta Road, Fort.

BOMBAY MUTUAL LIFE ASSURANCE SOCIETY LTD., THE. Head Office: Bombay Mutual Building, Hornby Road, Bombay. Tel. No. 27217 (2 lines). Tel. Add.: "Baytual".

Board of Directors:—Rao Bahadur Umakant S. Desai, M.A. (Chairman); Natvarlal J. Shah, B.Com., F.S.A., F.C.A.; Ambalal S. Parikh, B.A., LL.B.; A. H. Wadia, Madanmohan Ramnarain Ruia. Manager:—M. V. Sohoni, M.Sc., F.I.A.

Bombay Philatelic Co. (Estd. 1889), Sambava Chambers, Sir Pherozshah Mehta Road, Fort.

Bombay Phono and General Agency, Merchants, 520-22, Kalbadevi Road, Bombay.

Bombay Potteries & Tiles Ltd., United India Building, Sir Pherozshah Mehta Road, Fort. Phone Nos. 25011-12. Factories at: Darukhana, Phone No. 73693 and at Pipe Road, Kurla, Phone Nos. 87339 and 87928. Manufacturers of Sanitary-ware, White and Coloured Glazed Tiles, Porcelain Mill accessories, Fireclay refractories and Porcelain Insulators. Tel. Address: "Bompot".

Bombay Provincial Co-operative Marketing Society Ltd., The, Ismail Building, Hornby Road, Fort. Phone No. 32361.

Bombay Safe Deposit Company, Ltd., Forbes Building, Home Street, Fort. Directors: Sir Purshotamdas Thakurdas, K.P.C.I.L., Sir Rajputoolal M. Choksi, Kt., Sir Jamsetjee Jeejeebhoy, Bart.; J. H. Kemple (ex-Officio) and R. D. Campbell. Phone No. 32383.

Agents:—Forbes, Forbes Campbell & Co. Ltd., Forbes Building, Home Street, Fort, Bombay.



BOMBAY SAFE MFG. CO.

Mrs. & Dealers in Fire Proof Safes & Cabinets, etc.
307-309, Kalbadevi Road, Bombay 2.
Phone No. 22367.

Factory at: Lamington Road (North), Bombay 8.

BOMBAY SAMACHAR, THE, "Red House," Elphinstone Circle, Bombay. Proprietors: The Bombay Samachar, Ltd. Phone No. 22037. Tel. Address: "Samachar." G.P.O. Box No. 670, Bombay.

BOMBAY SENTINEL, THE, "Red House," Elphinstone Circle, Fort. Proprietors: The Bombay Associated Newspapers Ltd. Tel. Address: "Sentinel." Phone No. 22037. G.P.O. Box No. 984, Bombay.

Bombay Silk Mills Ltd., Industrial Estate, Lalbaug, Bombay 12. Manufacturers of Silk & Art Silk Fabrics, such as Georgette, Crepe-de-chine, Satin, Voile, Suitings, Shirtings, etc.

Authorized Capital: Rs. 25,00,000. Paid-up Capital: Rs. 12,50,000. Directors: Sir Chunilal B. Mehta, Kt.; Tulsidas G. Khattau; Dhurajlal Maganlal Dalal; Sankalchand G. Shah; Naoroji M. Gobhai; Hansraj Purshotam Vishram; Murarji J. Vaidya and Hemantakumar J. Vaidya. Managing Agents: Hansraj Sons. Phone: 35462 (Colaba) and 74614 (Lalbaug). Grams: "Eyedoe".

BOSFA

Toilet, Washing and Industrial Soaps and Perfumes.

BOMBAY SOAP FACTORY
(Estd. 1904), Bombay.

Phone: 21789. Grams: "BOSFA."

Bombay Stationery Mart, Props: Gulam-husein Ahmedally & Co., Ltd., 71, Sir Pherozshah Mehta Road, Fort, Bombay. Phone Nos. 20115-34653.

BOMBAY STEAM NAVIGATION CO., LTD.

Head Office: 100, Frete Road, Bombay 9. Telephone: 25061. Telegrams: "Shepherd"

Branch Offices & Agencies: Bombay, Karachi, Bhavnagar, Mormugao, Mangalore, Cochin and at all Coastal Ports.

Services: Harbort Lines (for Dharamtar, Nahava, Elephantia), Dabhol Line, Ranpur Line, Venguria Line, Panjim Line, Mangalore Line, Karachi Line and Saurashtra Line.

Fleet: 12 steamers and 16 launches, totalling 20,297 tons gross.

BOMBAY STEEL CORPORATION, Importers and Stockists, Special Steels and Crucibles, 241, Kumbharwada, opp. 2nd Sutta Lane, Bombay 4. Phone: 75507, 22017. Residence: 61716. Grams: "SHIROO"

BOMBAY STOVE & HARDWARE DEPOT (Estd. 1924), T. G. Shah Building, Pydhownie Junction, Bombay No. 3. Phone Nos. 21246 & 25990. Grams: "Blueflame". Largest Importers and Merchants in Western India for Cooking Stoves and Ranges, Flashlights and Batteries, Flashlight Bulbs, Incandescent Lamps and Lanterns, Art Silk Mantles, Blow Lamps and parts, Vacuum Flasks and Food Jars, Cigarette Lighters and Films.

Import Division:—Manubhai Sons & Co., Manu Mansion, 10, 18, Custom House Road, Fort.

Branches at:—Vithal Sayana Building, Lohar Street, Bombay No. 2; Nanavati Bazar, Bhavnagar, Kathiawar.

BOMBAY SUBURBAN ELECTRIC SUPPLY, LIMITED.

Managing Agents: Killick Industries Ltd., Home Street, Fort, Bombay.

Central Administration Department: Electricity House, Santa Cruz (East). Bombay 25. P.O. Box No. 6802.

Officers: P. D. C. R. Clark, C.A.; J. A. Colaco, B.E., A.M.I.E.E.; W. R. T. Head; R. D. Modak, B.Sc., B.A. (Hons.), B.S.E.E. (Columbia); G. Markham, B.A. (Oxon.).

Tel. Address: "ADISEDS", Santa Cruz.

Telephone Number: 89148.

Bombay Surgical Co., Hospital Suppliers, New Charui Road, Bombay 4.

BOMBAY SUBURBAN ELECTRIC SUPPLY LIMITED.

Local Office: Electricity House, Santa Cruz (East), Bombay 25.

Officers: N. P. Kirpalani, B.Sc. (Tech.) (Manchester), Resident Manager, J. C. P. Andrew, B.Sc., Hons. (Civil Eng.), B.Sc., Hons. (Elec. Eng.), M.I.E.E., M.Am. I. E. E., Chief Engineer; R. Y. Apte, B.Sc. (Eng.) (Ben.), Assistant Manager (Commercial), M. J. A. D'Lima, M.I.E.E., A.M.I.E. (India), A.A.I.E.E., Assistant Manager; D. B. Lobb, Assistant Manager (Eng.). Telephone No. 88011.

Bombay Swadeshi Co-operative Stores Co., Ltd., Western India House, Sir Pherozshah Mehta Road, Fort.

Bombay Tin Printers, Lithographing and Tin Printing Products, 221/223, Thakurdwar Road, Bombay No. 2.

BOOTS PURE DRUG CO. (INDIA) LTD. Registered Office, Head Office and Bombay Depot: Asian Building, Nicol Road, Ballard Estate, P.O. Box 680, Bombay. Phone No. 32036. Tel. Address: "Drug-boots", Bombay. Factory: Slon, Bombay 22. Phone: 62445.

Borivil Hosiery Mills, Hosiery Manufacturers, 63, Champa Gully, Mulji Jetha Market, Bombay 2.

Bottomley & Co., A.C., Engineers, Agents and Contractors, Wavell House, Graham Road, Ballard Estate.

BOURJOIS (EASTERN) LIMITED, Dealers in "Evening in Paris", "Endearing", "Ashes of Roses", Perfumery & Toilet Requisites and "Bourjois" Toilet Goods.

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Directors: J. B. McMillan, M. G. Shahani, B.A.

Bowen Press, Sambava Chambers, Sir Phirozshah Mehta Road, Fort, Bombay.

Boyes & Co., 38, Fort Street, Fort, Bombay. Phone No. 28619. Army Contractors, Mines & Minerals & Merchants and Cinema Proprietors.

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Telegraphic Address: "Brad", Bombay. Post Box No. 28.

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Managing Agents:—The New City of Bombay Manufacturing Co., Ltd., G. Claridge & Co., Ltd., The Empire Dyeing and Manufacturing Co., Ltd., The Brady Engineering Co., Ltd.

Secretaries & Agents:—The New Great Eastern Spg. & Wvg. Co., Ltd.

Managers:—The Belapur Co., Ltd.

Principal Agents:—The Law Union and Rock Insurance Co., Ltd., Employers' Liability Assurance Corporation Ltd., Insurance Office of Australia, Ltd., and The Concord of India Insurance Co., Ltd.

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Bates Textile Machine Co., Ltd., Hosiery Finishing Machinery.

Brady & Co., W.-H., "Brad" Specialities for Textile Mills.

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Gates Rubber Co., Cone Belts, Evenor Belts and Card Bands.

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Healds & Reeds Manufacturing Co., Ltd., Healds and Reeds.

Hick, Hargreaves & Co., Ltd., Engines and Power Plant.

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Hopkissons, Ltd., Steam Valves & Boiler Mountings.

Kent Ltd., Geo., Meters.

Kershaw & Sons, Ltd., Hugh, Textile Cloths.

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Macadam & Company, Ltd., Stamping Paste.

Morris, Limited, Herbert, Lifting and Conveying Gear.

Mount Engineering (Sales) Co., Hydraulic Beam Trucks, etc.

Nicholson File Company, Files and Rasps.

Norris, Henty & Gardner, Ltd., Gardner Oil Engines.

Oldham Rope & Twine Company, Ltd., Ropes and Bandings.

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Renold & Coventry Chain Co., Ltd., Chain Drives.

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Walrus Fibre Mfg. Co., Ltd., Card Cans, etc.

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PK. 680.

MADRAS: 99, Nynlappa Nalck Street,
Park Town, Madras 3. Phone No.
4871.

DELHI: P.O. Box 1150, Harbans Singh
Street, 24, Daryaganj, Delhi. Phone:
26772.

GRAMS: "Tetradome", Bombay, Calcutta,
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British Electric Insulating Co., Ltd., 33,
Forbes Street, Bombay No. 1.

British Engineering Co., Machinery Im-
porters, 105, Apollo Street, Fort.

British India General Insurance Co., Ltd.,
The, Fire, Life, Marine and All Classes of
Accident Business. Chairman: F. H.
Mehta, J.P. General Manager: M. S.
Dastur. Head Office: Mehta House,
Apollo Street, Fort. Tel. No. 27257
(3 lines). Tel. Address: "Brindia."

BRITISH INDIA PRESS (Props.: Leaders'
Press Ltd.), 108, Love Lane, Mazagaon,
Bombay 10. Tel. No. 40424.

**BRITISH INDIA STEAM NAVIGATION
CO., LTD., THE,** Ballard Road,
Bombay. (See under the Peninsular &
Oriental Steam Navigation Co.)

BRITISH INSULATED CABLES LTD. Engineers, Cable Manu-
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Head Office in India:—Esplanade House,
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Phone Nos. 26587/8/9. P. O. Box
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lore, Calcutta, Coimbatore, Ernakulam,
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Manufacturers of Electrical under-
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Manufacturers of Power Trans-
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William Sanders & Co., Falcon Elec-
tric Works, Wednesbury, England
(Switch & Fusegear).

**BRITISH METAL CORPORATION
(INDIA), LTD.,** Importers of all non-
ferrous Metals and Chemicals, Exporters
of Mineral Ores and Concentrates.
Bombay Office: Das Chambers, 25, Dalal
Street, Fort. Phone: 22669. Grams:
"BRIMETACOR." Head Office: United
India Life Bldg., 22, Chittaranjan Avenue,
Calcutta. Phone: City 5247. Grams:
"BRIMETACOR."

BRITISH PAINTS (INDIA) LTD., Manu-
facturers of Paints, Varnishes, Enamels,
etc., Nawsari Chambers, 4th Floor, Outram
Road, Bombay 1. Phone: 28068. Grams:
"BRITPAINTS".

British Steel Piling Co. (India), Ltd., The,
Hamam House, Hamam Street, Fort.

**BRITISH TABULATING MACHINE CO.
LTD.** (See Hollerith (India) Ltd.)

British Traders' Insurance Co., Ltd.,
Hongkong Bank Building, Vlr Nariman
Road, Bombay 1.

Brooke Bond India, Ltd., Gresham Assurance
House, Sir Phirozshah Mehta Road, P.O.
Box 271, Bombay. Phone No. 22527.
Grams: "BLENDERS."

Brotherton Mercantile Bureau, Importers,
Exporters and Manufacturers' Repre-
sentatives, Prospect Chambers, Hornby
Road, P.O. Box No. 439, Bombay 1.

Brough & Philpott (India), Ltd., Manu-
facturers' Agents, Kaiser-i-Hind Building,
Currimbhoy Road, Ballard Estate,
Bombay.

Buchanan & Co. Ltd., S. E., Block makers,
Designers and Art Printers, 17, Mang-
lore Street, Ballard Estate, Fort.

BUNGE & CO., LIMITED (Incorporated
in England with limited liability). Hima-
laya House, Palton Road, Bombay 1.
Importers & Exporters. Grams: "BUN-
GECO." Phone No. 34906, P.O. Box 1928.

Burjor Framji & Co., Marine Mansion,
Marine Lines, Bombay 2.

Burjor F. Mehta & Co., Naval Contractors,
City Ice Building, 298, Bazargate Street,
Fort. Phone No. 20097.

BURMAH-SHELL OIL STORAGE & DISTRIBUT- ING CO. OF INDIA LTD.

Importers and Distributors of
Petroleum Products.

GENERAL MANAGER'S OFFICE,

Burmah-Shell House, Currimbhoy
Road, Ballard Estate, Bombay.

Grams: "KEROPET."
Phone No. 32932 (6 lines).
Post Box No. 688.

BOMBAY BRANCH

Burmah-Shell House, Ballard Estate,
Bombay No. 1.

Grams: "BURMAHSHEL."
Phone No. 29581 (15 lines).
Post Box No. 193.

BURMAH-SHELL REFINERIES LTD.

Magnet House, Dougal Road,
Ballard Estate, Bombay.

Grams: "BESREFIN."
Phone No. 30053 (3 lines).
Post Box No. 1725.

BURN & COMPANY, LTD., Managing
Agents: Martin Burn Ltd. Bombay
Office: Martin Burn Ltd., Esplanade
House, Waudby Road, Fort, P.O. Box
276, Bombay. Phone: 30470. Grams:
"Martinburn".

**BURROUGHS WELLCOME & CO.
(INDIA), LTD.,** Manufacturing Chemists.

City Sales and Registered Office:

Cook's Building, Hornby Road.

Telephone No. 22300.

Works: 88-C, Old Parbhadevi Road,
Bombay 28. Telephone No. 61968.

P. O. Box No. 290.

Tel. Address—"Tabloid," Bombay.

Byramjee Jeejeebhoy Ltd., Dealers in
Estates & Investments, Allice Building,
3rd Floor, Hornby Road, Fort.

BYRAMJI & CO., T.

Merchants and Manufacturers' Representatives, Central Bank Building, Fort, Bombay.

Phone: 21926.
Grams: "SWEETSMILE," Bombay.
Codes: Bentley's, A.B.C. and all standard commercial codes.
Proprietor: T. Byramji.

Agents For:

The Aristoc Limited, Langley Mill, Nottingham, England, Nylon Stockings

Ballas J. & Co., France, for Neckties, etc.

Buhlmann Co., Emmental, Switzerland, Cheese and Dairy Products.

Charles Clay & Sons, Ltd., England, for Plastic Belts, Raincoats, Ties, Ribbons

The Chase Bottle & Supply Corporation, New York, 3, New York, U.S.A. for Bottles and Tablets and other Machinery and equipment for laboratories and factories.

Coates Brushes Ltd., England, for High Class Tooth, Nail and Hair Brushes.

Colonial Exporters, Edinburgh, Scotland Exporters of special Scotch Products.

Conray Products Co., New York, U.S.A. Hormones, Drugs and Pharmaceutical Chemicals, etc.

Courtn & Warner Ltd., Lewes, Sussex, England. Chemicals, Drugs, Flavouring products, etc.

Cumming & Parsons Ltd., England, for Essences, Essential Oils and Aromatic Chemicals.

Dangelmaier & Co., Rottlingen, Germany for Box Cameras and Accessories

Everlastic Co., Ltd., England, for Roll on-girdles, Panties and Abdominal Belts.

Francis Lemann Ltd., Strand, England, Biscuit Manufacturers.

Gale & Mount Ltd., London, England, Essences and Pharmaceutical Chemicals, etc.

Gerbruder Junghans, A. G., Black Forest, Germany. Clocks and Time Pieces.

John Gosnell & Co. Ltd., Ballard's Old Brewery, Southover, Sussex, England for Perfumery, Toiletries and Bath Soap, etc.

Langendorf Watch Co., Langendorf Switzerland for "Lanco" watches and parts.

Les Petit-fils de C. J. Bonnet, France, for pure silk piece-goods

Mentholatum Co., Ltd., Slough, Bucks, England. Mentholatum Balm for Skin Irritations, Colds and Catarrh, Chapped Ankles, etc.

Penn Export Petroleum Division, New York, U.S.A. Petroleum, Technical and White Mineral Oils, Lubricants, etc.

Roger & Gallet, France, Switzerland and England. Perfumery and Toilet Requisites.

Towles Limited, Loughborough, England Explorer all-wool Hosiery, Velvetex underwear and outerwear, etc.

Vinicoles De Barsac, France for French Wines, Liquors and Syrups.

Western India Trading Co., Oculline Eye Drops, etc.

Cadbury-Fry (India) Ltd., Suppliers of Cocoa, Bournvita and Chocolate, Spencer's Building, Forjett Street, Bombay 26. Phone: 75358. Grams: "CADFRY."

Calcutta Essence Supply Co., Dealers & Importers of Essential Oils, Aromatic Chemicals & Perfumers. Mulchand Mansion, Princess Street, Bombay 2. Grams: "Supralux" Phone No. 22623.

Calcutta Iron & Steel Co., Ltd., Shipchangers & General Hardware Merchants: Dealers in Chain Pulley Blocks, Wire Ropes, Stance Valve, Reflex Valve, Wheel Valves, Wire Rope Cutters, Carbon Tool Steel, Pneumatic Hose Pipe, Brass Rods, Foot Valves, Steel Flanges, Rope Pulley Blocks and all sorts of pipe fittings, etc. 68 D, Mahomedali Road, Bombay 3. Grams: "RIVETBOLT". Calcutta Office: 65 A, Netaji Subash Road, Calcutta 1. P.O. Box No. 179. Phone: Bank 1912. Grams: "I.L.A.T.S."

C Agrawal & Co., Ltd., Dyeshifts, Chemicals & Pharmaceutical dealers, 43-44, Lakshmi Bldg, Sir P. Mehta Road, Bombay 1.

CALCUTTA SOLA HAT AGENCY, Wholesalers, Retailers, Importers, Exporters & Manufacturers of all kinds of headwear, Ready-made Clothing, Raincoats, Caps, Leather Goods, Novelties, Hosiery and Cloth Merchants, Dwarkadas Building, Mangaldas Road, Bombay 2.



REGISTERED.

CALICO PRINTERS' ASSOCIATION LTD., THE, Head Office—Manchester 1, England.

Textile Printers and Manufacturers, Bombay Showrooms—Yusuf Buildings, Mahatma Gandhi Road, Bombay.

Representative:—O. G. Karulkar. Telegrams: "Dalfam," Bombay. Telephone: 21070, Bombay. P.O. Box No. 827.

CALTEX (INDIA) LIMITED, Distributors and Marketers of Caltex Petroleum Products—Petrol, Kerosene, Power Kero, Diesel Oils, Furnace Oil—Caltex R. P. M. Motor Oils, the full range of Lubricating Oils and Greases, Asphalts, and Road Surfacing Materials, etc.

Offices at Bombay, Calcutta, Madras and New Delhi.

General Office: Caltex House, 8, Ballard Road, Ballard Estate, Bombay 1. Telegrams: "Caltex."

Phone No. 22021 (7 lines).

Managing Director: J. D. Fosque.

General Manager: J. R. Price.

Marketing Department

Manager, Marketing: I. H. Charlesworth.

Operating Department

Manager, Operations: R. J. Vico.

Accounting Department.

Chief Accountant:—R. B. Brown.

Bombay District Office.

District Manager:—R. J. Hoover.

Installations:

Kerosene Installation, Sewree,

Phone No. 62565/6. Petrol

Installation, Wadala. Phone No.

61185. Furnace Oil Installation,

Hay Bunder. Phone No. 74892.

Lube. Oil Plant, Hay Bunder.

Phone No. 75817.

CAMA, NORTON & CO., Importers and Manufacturers' Representatives of Pharmaceuticals and Printing Materials, 4 ama Chambers, 23, Meadows Street, Phone No 21354. Telegrams "Camamorton."

CANDY FILTERS (INDIA), LTD., Forbes Building, Home Street, Fort. Hydraulic Engineers and Purification Specialists, Gravity and Pressure Filter Installations, Chlorinators, Ammoniators, Water Softeners, Chemical Dosing Apparatus, Water Testing Equipment, Belliss & Morcom Steam Engines, Turbines, Air Compressors, Diesel Engines.

Telegrams: "Pontifex", Bombay.

Telephone No. 32984, Bombay.

Capitol Electric Co., Electrical Goods, Importers, Stockists and Contractors, 112, Marine Mansion, 1st Marine Street, Bombay 2.

Caprihans (India) Ltd., Importers, Exporters and Manufacturers' Representatives, Jammabhooni Chambers, Fort Street, Ballard Estate, Bombay.

Captain Limited, Manufacturers of Stainless Steel, Utensils and Wares. Empire Building, Hornby Road, Fort.

CARD CLOTHING & BELTING, LTD., J. K. Building, Graham Road, Ballard Estate. Tel. Address: "Inextenso" Phone No. 22487. Post Box No. 957. Manager: J. A. Houffe.

Stockists of all types of Card Clothing and every type of Transmission and Conveyor Beltings including "Teon."

Head Office: West Grove Mill, Halifax, England.

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Joshua Lister & Sons, Ltd., Cleckheaton

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W. H. Webster (Wire Cards), Ltd.,

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CARGO INSPECTORS & SUPERINTENDENCE CO., LTD., Alice Buildings, 11, Dadabhai Naoroji Road, Fort, Bombay 1. Phone: 27017. Cable: "WALICO" Bombay.

CARR & CO., LTD., Head Office for India Imperial Chambers, Ballard Estate, Bombay (P.O. Box 152). Works: Carlisle, England. Biscuit Manufacturers and Agents. Branches at Bombay, Calcutta and Madras. Manager for India, J. Tate, Assistant, D. A. Penwill. Tel. Address: "Carribiskit" Phone: 24696, Bombay.

Casablancas High Draft Co., Ltd., The Indian, 121, Manekji Wadia Building, Mahatma Gandhi Road, Fort. Phone: 20271.

Caslon Stationery Mart, Established 1921, Readymoney Mansion, Churchgate Street, Fort, Bombay. Stationers, Printers, Binders, Engravers, Die-sinkers, Copperplate Printers, Rubber Stamp Manufacturers, Importers of and Dealers in high class stationery, fancy leather goods and presentation articles. Popular pens and pencils. Prop.: Sydney J. D'Mello. Tel. Address: "Casmart." Phone No. 24030.

Cassinath M. Bomjee Eduljee, Dealers and Importers of all kinds of Electrical materials including Motors, Fluorescent Lights and fittings, etc., etc. Approved Contractors to Railways, 17/19, Bastion Road, Fort. Phone: 20357. Gram: "Furniture."

Caulfield Holland Ltd. Rewinds and Repairs to Electrical Plant No. 8, Goa Street, off Nicol Road, Ballard Estate, Bombay 1.
Cawasji Behramji & Co., Shipchandlers, Dubashes, Importers, Exporters and General Merchants, City Ice Building, 298, Bazar Gate Street, Fort, Bombay. Phone No. 20097.

CAWNPORE MILLS DEPOT (Departmental Stores), General Merchants and Mill Agents, "Churchgate House," Churchgate Street, Fort, Bombay. Telegraphic Address "Tapestry." Phone No. 20133.

C. Bole & Co., Dealers in Machinery, Tools and Engineering Stores such as Lathes, Drills, Shaping, Milling, Planning Machines and Engineering tools. Sole Agents for Dehuag Diesel Pile Driver and Petrol Rammer, 61, Narayan Bhauri Street, Bombay 3. Phone: 33120. Grams: "CHOLECO".

C. D. Shah & Co., Stationery, Office and School, 194, Abdul Rehman Street, Bombay 3.

THE CEMENT MARKETING CO. OF INDIA, LTD.

Address: 1 & 2, Queen's Road, Bombay P.O. Box 572

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Telephone: 22001 (4 Lines)

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CEMENTATION COMPANY LTD., THE, Civil Engineers & Contractors, Kastur Building, Churchgate Reclamation, Bombay.

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Central Commercial Corporation, 160, Hornby Road, Fort, Bombay. Grams: "RIYATAN." Importers and Agents of Photographic Materials, Manufacturers' Representatives in Heavy, Fine and Textile Chemicals, Paper Sundry Goods & Textiles

Central Ice & Cold Storage Co., Largest Cold Storage in Bombay, Saboo Sidick Road, Crawford Market, Bombay.

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Authorised Capital Rs. 25,00,000

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Central Safe Co., Fire & Burglar Proof Safe Manufacturers. 286, Kalbadevi Road, Bombay 2.

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Central Trading Company, The, 9-U, Cawasji Patel Street, Fort, Bombay. Importers & Exporters of Yarn and all sorts of Sundry Articles.

CHAGANLAL (INDIA), IMPORTS. Importers & Manufacturers' Representatives, 42, Argyle Road, Carnac Bunder, Bombay 9. Grams: "CONTRACTS." Phone No. 20751. Importers of: Chemicals, Dyestuffs, Textiles, Machinery, Small Tools, Iron & Steel, Hardware, Printing Press, Newsprints, Non-Ferrous Metals, etc.

Champaklal & Co., Importers of Electrical Accessories, Appliances, Conduit Accessories, etc., Vithal Sayana Building No. 2, Lohar Street, Bombay 2.

Champaklal & Bros., Silk, Woollen and Cotton Textile Manufacturers. Mills at: Vavacha Road, Surat. Sayee Bhuvan, 141, Pinnessa Street, Bombay 2. Tel. No. 26170. Tel. Address: "Vainpool."

Champion Dairy Co. (Estd. 1903). Manufacturers of Butter and Lactec Casein. New Pettit Mansion, Sclater Road (Grant Road), Bombay 7. Phone No. 10983. Tel. Address: "Cream."

Chandawalla Traders, Direct Importers of Motor Body Fittings, 321, Vithalbhai Patel Road, Bombay 4.

Chandulal & Co., Kathawala, Dealers in all kinds of Coir Ropes, Manila Ropes, Coal Tar, Pitch, Hardware, etc. General Merchants and Commission Agents, 11, Kazi Sayed Street (Shah Gully), Bombay 9. Grams: "Cordcoir." Phone: 71298.

CHANDULAL & CO., LAKEWALA, 313, Samuel Street, Vadgadi, Bombay 3. Dealers in all types of Shellac, Waxes, glue, gums and other mill materials and french polish materials. Phone No. 28773. Tel. Address: "CHANDU'CO."

Phone: 73266. Grams: "BASUDIVALA" Estd.: 1915

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Importers, Stockists and Distributors. Branches throughout Bombay State and Hyderabad.

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CHAVANNES & CO., LTD., Mercantile Chambers, Graham Road, Ballard Estate, Bombay. Phone No. 21454. Cables: "INDOFRANCO" Manufacturers' Representatives and Commission Agents, handling dyes, chemicals, metals, Piece-goods, Hardware, Sanitaryware, Hosiery, Sundries and Pharmaceutical Products. Prepared to accept additional agencies.

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Checker Brothers, Coronation Building, Gunbow Street, Fort, Bombay

CHELLSONS LTD., Exporters-Importers, Gazdar House, Dhobi Talao, P.O. Box No. 2007, Bombay 2. Exporters of Cotton Piece-goods, Indian Carpets, Oils, Oil Seeds, Leather Goods and other sundry articles. Branches at Madras and Ahmedabad. Phone: 27213-4-5-6 (4 Lines) Tel. Add.: "EVERYTHING."

Chemantex, Manufacturers' Distributors, Textile Chemicals, Auxiliaries, Colours & Mill Stores, 11, Bank Street, Fort. Phone No. 25928. Grams: "Millsize."

CHEMICAL ENGINEERING CORPORATION, 7-10, Elphinstone Circle, Fort, Bombay 1. Phone : 25604. Grams : "KEMENGIN." Agents for: Guldner Diesel Engines 5-36 H.P. Kalsor Generators, Samofa Marine Engines, Kromhout Marine Engines.

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CHEMICALS & MACHINERY LTD., Importers of Heavy Chemicals & Machinery and Manufacturers' Representatives. Sole Agents for Stromberg Carlson Air Circulators. Hamam House, Hamam Street, Fort. Phone Nos. 20800 & 22467. Grams : "MACHICHEM."

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Chemidye Trading Co. Ltd., for Dyestuffs Chemicals & Paint Pigments. Kamer Building, Cawaji Patel Street, Fort, Bombay.

Chemo-Pharma Laboratories Ltd., Manufacturers of Ethical Pharmaceuticals, King's Lodge, Lamington Road North, Byculla, Bombay. Phone No. 42882. Tel. Address : "Chemolabs."

CHEMOLS SUPPLY COMPANY, 6th Floor, People's Building, Sir P. Mehta Road, Fort, Bombay 1 (P.O. Box No. 118-A).

Branches : 182-B, Landsdown Road, Calcutta 29; Swadeshi Bazar, Old Generalganj, Kanpur. Importers of Raw Materials for Paint, Printing Ink, Rubber, Plastics and Allied Industries.

Sole Agents in India for :-

Messrs. Thomas Tyrer & Co., Ltd., Stratford, London, E. 15. (For Naphthenate, Driers, Acetate, Sand, Nickel Formate and Paint Chemicals).

Messrs. N. V. Mastrichtsche Zinkwit Maatschappij, Eysden, Holland, for Lithopone.

Messrs. East Lancashire Chemical Co., Ltd., Manchester, for Elcometer Thickness Precision Gauge.

Messrs. Chemical Colour Works Ltd., Maastricht, Holland for Horna Pigments and Chips.

Messrs. Joseph Vogele A.G., Mannheim, West Germany, for Plant Machinery, for the Paint and Printing Inks.

Messrs. W. Hermon Slade and Co., Pty. Ltd., N. S. W., Australia, for Synthetic Resins.

Messrs. Binny & Co., Ltd. (Madras), Madras 1, for distribution of Chromium Oxide green excluding the States of Madras, U.P. and Punjab.

Chhaganlal & Co., Iron and Steel Merchants and Contractors, Carnae Bunder, Bombay No. 9. Tel. Address : "Contracts." Phone No. 80751. *Manag. Prop.* : Hiralal Chhaganlal.

CHHAGANLAL KESHAVJEE (Estd. 1913), Stationer and Paper Merchant, 22-A, Parsee Bazar Street, Fort, Bombay. Phone No. 23008. Tel. Address : "STAPRI."

Chika Limited, Suppliers of Dyes and Chemicals, 5th floor, Industrial Assurance Building, opp. Churchgate Street, Bombay 1. Phone : 31522 Grams : "DYECOLD".

Chhol Silk Mill Co., Ltd., Manufacturers of Silk & Rayon Cloth, Bombay Mutual Building, Sir Phirozshah Mehta Road, Fort.

CHICAGO TELEPHONE & RADIO CO., LTD. (Estd. 1919). Telephone, Radio and Sound Engineers and Contractors, 127, Mahatma Gandhi Road, Fort. Phone No. 30937 (3 lines). Post Box No. 1312. Bombay. Tel. Address : "CHIPPHONE." For everything in radio, telephone, talkie, electronics, loudspeaker equipment, cinema and sound equipment and broadcast and communication transmitters. Branches at 25, Chowringhee, Calcutta; 48, Hazratganj, Lucknow; 68, Queensway, New Delhi; 196, Mount Road, Madras; 422, Lamington Road, Bombay 4; 37-38, Silver Jubilee Park Road, Bangalore 2.

CHIMANLAL DESAI & CO., Manufacturers' Representatives of Auto and Radio Parts, Patent Medicines, Drugs, Hardware, Mill Stores, Electrical Accessories, Cycles & Parts, Sundries, etc. Gool Mansions, Homji Street, Fort, Bombay.

Tel. Address : "SYSTEMATIC." Phone No. 27263 (two lines).

Head Office : Bombay. Branches : Calcutta, Madras, New Delhi, Lahore, Karachi, Chittagong, Colombo and Rangoon.

CHIMANLAL J. DALAL & CO., Share, Stock and Finance Brokers. Partners : Chimanlal J. Dalal, Chhannubhai C. Dalal, Arvind C. Dalal & Chandrakant C. Dalal. 107, Stock Exchange Building, Dalal Street, Fort, Bombay. Phone Nos. 36921 & 36981; Residence No. 30607. Grams : "Workshop."

CHIMANLAL MANCHAND & CO., Leading State Jewellers. Under special appointment to : Baroda, Jaipur, Jodhpur, Cooh Behar, Palanpur, Jubbah & Indore States. *Show Rooms* : Opp. Opera House, New Queen's Road. Phone No. 30321. Grams : "PLATINUM."

CHIMANLAL PAPER CO., Importers of High Grade Papers, Boards & Mill Representatives, Bombay Mutual Building, Hornby Road, Fort, Bombay. Tel. Add. : "SELECTION." Phone Nos. 23232 and 88260 (Residence).

CHIMANLAL POPATLAL MINAWALA

Estd. : 1931

Art Jewellers and Diamond Specialists in Gold enamel Ornaments.

Dhanji Street, Bombay 3.

Phone : 28352.

Grams : "GOLDENAMEL"

Chinese Engineering Works, 381, Reay Road, Bombay 10.

Chinoy, Buchla & Divecha, Chartered Architects, 11, Bruce Street, Fort.

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Phone 25582
Grams "HISCO".

"HINDU" OFFICE AND NATIONAL PRESS (Estd. 1878). **Proprietors:** Kasturi & Sons, Ltd., "Kasturi Buildings", Mount Road, Madras 2. Publishers of "The Hindu", the most widely circulated and up-to-date nationalist newspaper (daily and illustrated Sunday editions), as also of "Sport & Pastime", an illustrated sports Weekly, and Hindu Weekly Review. **Mg. Director:** K. K. Gopalan. **Managing Editor:** K. Srinivasan, B.A. Tel. Add.: "Hindu". Phone: 4455 to 59, 4491 & 4492 (7 lines). P.O. Box No. 318. **NEW DELHI OFFICE:** Flat No. 3, Pearyal Buildings (above Grindlays), Connaught Place. Phone 47544. **BOMBAY OFFICE:** Kasturi Buildings, Jambhedji Tata Road. Phone: 36704. **CALCUTTA OFFICE:** "Grosvenor House", 21, Old Court House Street. Phone: 5219. **BANGALORE OFFICE:** Canara Mutual Building, Residency Road, Phone: 2321. **KURNOOL OFFICE:** Park Road. **KOZHIKODE OFFICE:** Huzur Road. Phone: 183. Tel. Add.: Indian branches "MADRAS-INDU". **LONDON OFFICE:** 2/3, Salisbury Court, Fleet Street, E.C. 4. Cables: "Kasturi." Phone: 7800 Central. **NEW YORK OFFICE:** 49 East 51st Street. Cables: "Kasturi." Phone: Eldorado 5-1154. **AUSTRALIAN AGENCY:** T. B. Clarke, G.P.O. Box 835, Sydney. Codes used: A.B.C. 5th Edition and Bentley's.

Hindustan Agencies, Advertising Consultants, General Assurance Building, 232, Hornby Road, Fort.

Hindustan Carbons Ltd., Manufacturers of Carbon papers, Typewriter Ribbons, Stamp Pads and Inks. *Bombay Office:* N. M. Wadia Building, 123, Mahatma Gandhi Road, Bombay 1. Grams: "CARBOBLACK." *Head Office:* P.O. Malaknagar, Ghazialand (U.P.). Phone: 5901/74.

HINDUSTAN CONSTRUCTION CO., LTD., Construction House, Ballard Estate, Bombay. Engineers & Contractors, Specialists in Cement Concrete Works, Construction of Bridges, Tunnels, Buildings, R.C.C. Elevated Tanks and Pile-driving, etc.

Branches: Poona, Calcutta, Cuttack, Delhi and other places in India.

Telegrams: "Hincon," Bombay.

Telephones: 20036 (five lines).

Hindustan Electric Co., Ltd., Engineers, Contractors and Suppliers. Importers of all kinds of Heavy and Light Machinery, Thackersey House, Graham Road, Ballard Estate, Bombay. (Show-rooms: 95, Apollo Street, Bombay 1). *Tel. Address:* "Udyog." *Phone Nos.* 23066, 24310 and 32198.

Hindustan Engineering Co. (Machinery Dept.), Importers of English, Continental & American Machinery, 25, Ropewalla Street, Rampart Row, Fort, Bombay.

Hindustan Engineering Services, Sanitary Engineers & Contractors, Vithal Sayana Building, Lohar Street, Bombay 2.

HINDUSTAN EXPORT & IMPORT CORPORATION LTD.

Registered Office:—Albert Building, Hornby Road, Fort, Bombay. Phone No. 22743. Grams: "Hindexport."

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Managing Director: Kanwal K. Grover.

Managers: (Textile Dept.): R. D. Mahotra. (Engineering Dept.): Ernst Wick.

Hindustan Fabrics and Stores Ltd., Fulchand Nilvan, Chowpatty Sea Face, Bombay 7.

Hindustan Industrial Agents Ltd., 5A, Anar Building, Sir Phirozshah Mehta Road, Fort, Bombay. Engines, Motors, Generating Sets, Tractors, Boilers and Industrial Plants.

Hindustan Plastic & Metal Mfg. Co., Manufacturers of presentation novelties, Plastic and Metal Articles. Botawalla Building, 8, Elphinstone Circle.

Hindustan Products Corporation, 16, Brahminwada Road, Matunga, Bombay 10. Phone No. 62071. Grams: "Preclmet." Importers of Non-Ferrous Virgin Metals, Scraps and Semi-Finished Metals. Exporters of Non-Ferrous Metal Residues, Ores and Concentrates.

Hindustan Products Mfg. Co., Manufacturers of Paints. Hoosenabad, Mazagaon, Bombay 10.

Hindustan Tiles & Cement Industries, 49, Princess Street, Bombay 2. Manufacturers of Tiles & Marbles.

Hindustan Tyres Ltd., Manufacturers of all kinds of Rubber and Ebonite goods and Retreaders of Tyres, Lamington Road (North), opp. Agripada Police Station, Bombay 11. Phone No. 42821. *Tel. Address:* "Tyres."

HINDUSTAN VANASPATI MFG. CO., LTD., THE, Manufacturers of Daida Vanaspati and other edible vegetable products. *Head Office:* Scindia House, Ballard Estate, Bombay. *Tel. Address:* "Vanaspati." Phone No. 27291. Post Box No. 353 Works, Bombay. Ghazla Road, Shammagar and Thiruchirappalli.

Hindustan Water Supply Co., 45-47, Apollo Street, Fort, Bombay. Dealers in Electric Motors.

HINDUSTAN WIRE NETTING CO., LTD. Manufacturers of Wire Gauze, Hexagon Wire Netting, Galvanised Chain Link Fencing, Galvanised Stranded Stay Wires and Stranded Copper Conductors. *Works:* Agra Road, Thana. *City Office:* 55/57, Nagdevi Cross Lane, Bombay 3. *Telegrams:* "Wiregauze," Bombay. Phone: 33408.

Hindustan Co-operative Insurance Society Ltd., Bombay. Commissariat Building, Hornby Road, Fort.

Hindustan General Insurance Society, Ltd., Bombay. Area Office: Commissariat Building, Hornby Road, Fort, Bombay.

HINDUSTHAN PLASTICS LTD., Director Jayantilal V. Rula. Manufacturers of Bakelite and Plastic Articles of every description. Specialists in the Manufacture of Industrial, Electrical Accessories and Washable & Heat-proof Buttons.

Works: Ghodbunder Road, Goregaon-Bombay, Western Railway. Telephone: 84180.

Godowns: Old Atlas Mills Compound, Reay Road, *Tele. No.* 42606.

Office: Podar Chambers, 109, Parsi Bazar Street, Fort. Phone: 27005 (Six Lines). Grams: "Electra."

Hira, P. H., & Co., Perfumes, Cutlery, Medicines and Toilet Requisites. 18-20, Princess Street, Bombay 2. Phone: 31289. Grams: "Perfumes." *Agents for:* Westminster Laboratories Ltd., London. Bourjois Ltd., Croydon, London.

Hiralal & Co., Accountants & Income-Tax Consultants, 174, Hornby Road, Fort.

Hiralal Panchand & Co., Exporters, Importers & Tobacco Commission Agents, Jai Hind Estate, No. 1, 2nd Floor, Cathedral Street, Bhuleshwar, Bombay 2.

HIRALAL V. SHAH & CO., Dealers in Textile Machinery, Crude Oil Engines, Boilers, Centrifugal Pumps, Chemicals and Sizing Materials, Mehta Building, Meadows Street, Bombay 1. Phone No. 32603. *Tel. Address:* "Aslaomco."

Hiscocks & Co., E. Bakery & Dairy, "Win Villa," 23, Clare Road, Byculla, Bombay 8.

Hitchman, George F., Waterloo Mansions, opp. Museum, Mahatma Gandhi Road, Fort. Phone: 36173. Grams: "Indopaper." Agents for Import of Paper, Boards.

HOARE MILLER & CO. LTD., *Head Office:* 5, Fairlie Place, P.O. Box No. 63, Calcutta 1. Phone: Bank, 4804 (3 lines). Grams: "HOARMILLER."

Branch Office: Himalaya House, Palton Road, Bombay 1. P.O. Box No. 1973. Phone: 34797. Grams: "HOARMILLER." *Manager:* L. Parr. *Madras Office:* Catholic Centre, Armenian Street, Madras 1. Phone: 2610. Grams: "SALVA." *Delhi Office:* Ambassador Hotel, Sujjan Singh Park, New Delhi 3. Phone: 45121. Grams: "RESILIENCO."

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Calcutta/River Plate & South Brazil Joint Direct Service.

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Manufacturers of:—"Haflok" Upholstery, "Salva" Mattresses. Seating for Buses, Cars, Cinema, Railways, etc. "Salva" Upholstery Springs.

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Head Office: Liberty House, Marine Lines, Bombay 1. *General Manager:* H. G. Foxverton. *Sales Manager:* E. J. Smith. *Secretary & Accountant:* L. C. Mehta. Phone: 32520. *Bombay District Office:* Fazalbhoy Building, Mahatma Gandhi Road, Fort Bombay. *Manager:* M. N. Bhagwat. Phone: 24382. Grams: "TABULORIAL."

Honey-Ty Trading Corporation, Machinery Merchants, Beumont Chambers, Meadows Street, Fort. Grams: "Hotraco."

Hoosaini Co., Merchants, Contractors, Stockists & Suppliers of Empty Steel & Galvanised Barrels, Iron Drums, Wooden Casks, Brass, Iron Screw Bungs & Glass Carboys. Mount Road, near Hasanabad, Horse Stable Compound, Mazagaon, Bombay 10. Phone No. 42160 & 71722.

Hoosain, M. A., & Bros., Agents and Importers of Woollen, Cotton, Rayon and Silk Yarns and Piece-goods, Metals and non-Ferrous Metals, Hardware & Building materials, Papers and Boards, Mill accessories, Dyes, Chemicals, Glassware and General Sundries. Exporters of Indian Cotton Piece-goods and Yarns. Lakshmi Building, Sir Phirozshah Mehta Road, Fort. Tel. No. 2746. Tel. Add.: "Tropicals." Branches: Calcutta and Karachi.

Hormasji Ardeshir, F.I.A., M.I.E. (Ind.), L.C.E., Architect and Chartered Engineer, Motilal House, 22-1, Parsi Bazar Street, Fort, Bombay 1. Phone No. 23592.

Hormasji & Co., F., Ebonite Merchants, 581, Jamshed Road, P. O. Matunga, Bombay.

Hormusji & Bros., 147, Mahatma Gandhi Road, Fort. Post Box No. 253, Bombay 1. Importers, Exporters & Commission Agents.

Hornby Fountain Pen Depot, 204, Hornby Road, Fort, Bombay.

Hoyle, Robson, Barnett & Co. (India) Ltd., Manufacturers of Paints, Enamels, Varnishes, Dispersers, etc. 12, Rampart Row, Fort, Bombay.

Huge Engineering Co., Electrical Engineers, Contractors, Radio & Sound Specialists, Imperial Chambers, Wilson Road, Ballard Estate, Bombay. Phone No. 23891, Box No. 679.

Huns Engineering Works, 11, Cowasji Patel Street, Fort, Bombay.

Huseni Bros., Hardware, Machinery & Engineering Tools, 129, Lohar Street, Bombay 2.

Hutchison, J. & R. Ltd., Analytical and Industrial Chemists, Paint, Varnish & Soap Manufacturers, 221, Frere Road, Bombay.

IBCON LIMITED, Industrial Consultants, Adelphi House, 8, Queen's Road. Phone: 34888. Grams: "Ibco".

IBM WORLD TRADE CORPORATION. Bombay Office: Kasturi Buildings, Jamshedji Tata Road, Bombay. Phone: 36866. Tel. Address: "INBUSMACH". Offices: Calcutta, New Delhi and Madras. IBM Electric Electronic Accounting Machines.

Ice Supplies, Bombay, Ice Contractors, Managing Agents. The City Ice Supplying and Cold Storage Ltd., City Ice Building, 298, Bazargate Street, Fort, Bombay. Phone No. 20097.

Ideal Leather Works, Manufacturers of Fancy Leather Goods, Kitab Mahal, 192, Hornby Road, Fort, Bombay.

Ideal Motors, Distributors of Motor Cycles, Cycles & Accessories. Bombay Mutual Annexe, Cawasji Patel Street, Fort. Grams: "Idealmotor".

Ideal Supplies Co., Stationers, Printers & General Merchants & Commission Agents, 134, Medows Street, Fort.

Industrial Tools & Equipment Co., Specialists in Hardware and Tools, Bhaba Mansion, Lady Jamshedji Road, Bombay 10.

I. H. Nensey & Co., Furnishers and Decorators, 143, Chukka Street, Bombay 3.

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(INDIA) LTD., Imperial Chemical House, Ballard Estate, Bombay 1 (Post Box No. 310). Telegraphic Address: "Alkali". Bombay Telephone Nos. 26216 to 26220. Suppliers of Chemicals—all types, Refrigerant Gases, Dairy Detergents & General Cleaners, Water Treatment Chemicals, Alkalis, Mineral & Organic Acids, Emulsifying Agents, Dyestuff & Auxiliary Products, Leathercloth, Plastic—all types, non-Ferrous Metals and Alloys, Sporting Ammunitions, Explosives, Rubber Chemicals, Colours & Synthetics, Paints, Fertilisers, Agricultural Chemicals, Insecticides, Weed-Killers and Pharmaceuticals. Also Sole & Selling Agents of Albright & Wilson Ltd (Chemicals & Solvents), Alginates Industries Ltd. (Alginates), The Alkali & Chemical Corporation of India Ltd (Caustic Soda, Chlorine, Hydrochloric Acid, "Gammexane", "Duro" & "Dulux" paints), The Alumina Co Ltd (Sulphate of Alumina, Iron Free), Boots Pure Drug Co. Ltd. (Saccharine, Potassium Permanganate Technical), Borax Consolidated Ltd. (Borax, Boric Acid, Tartaric Acid), Bowaters & Lloyds Sales Co. Ltd. (Overissued Newspapers), British Glues & Chemicals Ltd. (Glues & Technical Grades), "Churn" brand Mineral Mixtures of Roller Composition, British Dyewood Co., Ltd. (Tannic Acid), British Sulphate of Copper Association Ltd. (Copper Sulphate), Brotherton Ltd. (Hydros & Formosul), Chance & Hunt (Carbon Black & Cobalt Oxide), Chemical & Insulating Co., Ltd. (Magnesium, Carbonate (Light), Oxide, Hydroxide), Cyprane Ltd. (Inhalers), Dairy Products Ltd. (Lactose), Dow Chemical International Ltd. (Polystyrene Injection Moulding Powder), Duff Chemical Co., Inc. (Phosphorus), Earnshaw Ltd. (Water Pigment Finishes for leather), Eldorado Mining & Refining (1944) Ltd. (Radium), English Metal Powder Co., Ltd., (Aluminium Powder and Paste), Fullers Earth Union Ltd., (Bleaching Earths), Hardman & Holden Ltd. (Naphthalene Driers), H. Imami & Bros. (Gum Tragacanth), Holoplast Ltd. (Plastic Laminated Panels and Linings), John & E. Sturge Ltd. (Citric Acid), Johns-Manville International Corp. (Filter-aids), Johnson & Johnson (Gt Britain) Ltd. (Pharmaceutical Products, Cellulose, adhesive tapes and Dairy Filters), Laporte Chemicals Ltd. (Hydrogen Peroxide and other chemicals), Lever Brothers (India) Ltd. (Glycerine), Lustre Fibres Ltd. (Cellulose Acetate Moulding Powder), The Magadi Soda Co., Ltd. (Heavy Soda Ash), Mond Nickel Co., Ltd. (Nickel Electroplating & Selenium Salts, Cobalt Oxide & Salts), Ortho Pharmaceuticals Ltd. (Contraceptives), Peter Moller & S. (Fish Oils), Plant Protection Ltd. (Insecticides, Fungicides, Weed-Killers), Scott & Bowne Ltd. (Scott's Emulsion), Sixing Materials Co., Ltd. (Zinc Chloride), Svenska Tandsticks Aktiebolaget (Chlorate of Potash), Svenska Cellulose Aktiebolaget (Rayon Pulp), Thomas Tyrer & Co., Ltd. (Fine Chemicals, Laboratory Reagents), Thorium Ltd. (Thorium Nitrate and Cerium Nitrate), British Trillite Ltd. ("Trillite" Inhalers), T. N. Waldron & Co., Ltd. (Dusting Equipment), The United Glass Bottle Manufacturers Ltd. (Glassware), B. Young & Co., Ltd. (Edible Gelatines). Manager: C. A. Pitts. Head Office for India: 18, Strand Road, Calcutta. N. D. Harris (Chairman & Managing Director). Directors: A. R. Foster, F. S. Binnie, C. W. Perry, C. E. J. Crawford, J. M. Lall, D. B. Marsland and G. Wilkinson (Secretary). Chief Accountant: H. M. Moleworth. Codes used—Bentley's Complete and Second Phrase, and Private. Telegraphic Address: "Impekemix", Calcutta.

All India Head Office for Dyes: 19, Wittet Road, Ballard Estate, Bombay. General Manager: E. W. Oakley (Managing Director); E. Parker (Director). Grams: "Icldyes", Bombay.

Bombay Accounts Office: 19, Wittet Road, Ballard Estate, Bombay. Accountants: D. V. MacPherson, E. Bradley.

Associated Company: I.C.I. (Export) Ltd., with offices in Burma and Ceylon and I.C.I. (Pakistan) Ltd., in Pakistan. Branches: New Delhi, Malhotra Building, Queensway, L. Walaach (Manager). Calcutta: Post Box 334, R. Coleman (Manager); Madras: Post Box No. 130, D. G. Leonard (Manager); Kanpur: Westcot Building, Mahatma Gandhi Road, K. Horton (Manager). District Offices: Ahmedabad, Amritsar, Resident Representatives: Bangalore, Patna, Alleppey, Mathurai and Indore City. Grams: "Alkali", City.

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E. W. Oakley (General Manager & Managing Director), E. Parker (Asst. Gen. Manager & Director), J. P. Ward (Sales Manager), D. P. Milburn & Dr. C. E. Salkeld (Joint Technical Managers), A. E. Wilkins (Production Manager), D. V. McPherson (Accountant); Assistants: A. N. Bakshi, E. Bradley, J. Greenwood, A. Linaker, J. Mathur, S. S. Mehta, A. C. Muir, K. S. Naoraji, E. Oldfield, S. C. Parry, P. V. Rele, Dr. H. S. Shaikh-Mahmoud, J. Stirling, F. W. Vial.

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IMPERIAL MOTORS, Agents: Triumph and Velocette, Motor Cycles and Spare Parts: 14, New Queen's Road, Bombay 1. Tel. No. 26919.

Imperial Surgical Co., 361, Hornby Road, opp. Oriental Life Assurance Building, Fort, Bombay. Phone No. 31865.

IMPERIAL TOBACCO CO., OF INDIA LTD., THE, Factory Address: P.O. Box No. 6002, Patel, Bombay 12. Phone Nos. 62521 and 62522. Tel. Address: "HACCYMAKE".

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Importers & Exporters, Ltd., The, Managing Agents: Erance Brothers, 9, Forbes Street, Fort. Phone No. 26475.

Ina Machinery Corporation, Engineers & Machinery Dealers. Dealers in Electric Motors, Centrifugal Pumps, Diesel & Petrol Engines, Boilers, Filter Presses, Oil Expellers and anything in Machinery. 65, Mahatma Gandhi Road, Fort.

Ind Advertising Agency, Advertising Service Agents and Consultants, Sandhurst Road, Bombay 4.

Indamer Company Ltd., Aircraft, Parts and Accessories, 43, Tamarind Lane, Fort.

Indentors Syndicate Ltd., Exporters & Importers of Heavy Chemicals, Advani Chambers, Sir Phirozshah Mehta Road, Fort, Bombay.

India Associated Traders Ltd., Importers, Exporters & Commission Agents, Fodar Chambers, Parsi Bazar Street, Fort.

INDIA CORPORATION LTD., (Estd. 1941). Cotton and Piecegoods Merchants, 71-73, Apollo Street, Fort, Bombay. Tel. Address: "Locni."

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India Laboratory Products Co., 2-4, 3rd Cross Lane, Sankh St., Byculla, Bombay 8.

India Machinery Stores, Dealers in Machinery, Flourgrinding Mills, etc., 103, Nagdevi Cross Lane, Bombay 3.

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India Novelty Co., Leather goods & Calendar Manufacturers, 23-25, Hamam Street, Fort, Bombay.

India Pipe Fittings Co., Pipe & Fittings Merchants, 146, Nagdevi Street, Bombay 3.

India Publications Company, 31, Hamam Street, Fort, Bombay. Trade, Business and Class Journals.

India Radio Service, Dreamland, New Queen's Road, Bombay 4.

India Syringe Works, Syringe Manufacturers, Mangalwadi, Girgaum, Bombay.

India Taps & Dies Works, Engineering Tools Manufacturers & Brass & Iron Founders, 32, Islampura Street, Bombay 4. Tools Manufacturers.

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Directors: H. Holck-Larsen; F. Fox; H. Skov; S. K. Toubro; S. Holst (Ex-Officio). *Managing Agents:* Larsen & Toubro Limited, P.O. Box 278, Bombay. Tel. Address: "LARSENBO".

Indian Durries Emporium, Carpets, Durries & Coir Mats Dealers, 64, Mahomedali Road, Bombay 3.

Indian Electric Equipment, Distributors of Electrical Goods & Radios, 220, Khetwadi Main Road, Tara Mansion, Bombay 4.

Indian Electric Stores, Electrical Goods, Maskati Mahal, Lohar Chawl, Bombay 2. Phone No. 31013.

INDIAN EXPANDED METALS, LTD., THE, Manufacturers of Steel, Brass, Copper & Aluminium Expanded metal of all sizes and meshes.

Managing Director:—N. B. Bhagat, Mechanical Engineer, Overseas Member of the Institute of Welding, London and Sustaining member of the American Welding Society.

Works:—Sewri Fort Road, Sewri, Bombay 16.

Office:—2nd Floor, Prospect Chambers, Hornby Road, Fort, Bombay. Tel. Address: "Expeeyam." Phone: 62714.

Indian Globe Insurance Co., Ltd., The, 315/321, Hornby Road, Fort.

Indian Guarantee & General Insurance Co., Ltd., Bank of Baroda Building, Apollo Street, Bombay. Tel. Address: "Ind-guarco." Phone No. 22570. *General Manager:* H. G. Macpherson. *Agency Manager:* S. Y. Sukthanker.

Indian Home, Lakshmi Building, Sir Phirozshah Mehta Road.

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Special Director: A. P. Sabavala

Agents' Office: C. H. Sakthidas

Controller of Accounts: S. B. Bajaj.

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Manager: I. P. Gupta, M.A., B.Com., LL.B.

Indian Industries Palace, Manufacturers of Carpets, Brassware and Oriental Arts, 38, Carnac Bridge, P.O. Box 3011, Bombay 3. Phone: 20938 32698. Tel. Address: "Gold Temple."

Indian Iron Works, Machinery Merchants & Store Suppliers, Specialists in: Alloy Castings, Aluminium, Copper, Gun Metal, Brass & Bronze Castings. Limbik Parashram Street, Kumbharwada 6th Lane, Bombay 4.

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Indian Mineral Supply Co., Dealers in all kinds of Minerals, 14, Western India House, Sir Phirozshah Mehta Road, Fort. Phone No. Office: 28572. Residence: 60468. Tel. Address: "Chinamati."

Indian Mining Corporation, Manganese Ore Owners, Importers and Exporters, Tivim, Goa. Branch Office: Lakshmi Building, Sir Phirozshah Mehta Road, Fort, Bombay.

Indian National Construction Co., Civil Engineers, Surveyors & Contractors, All Chambers, Tamarind Lane, Fort.

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Telegrams—"Indoxco" (Ghatkopar. Phone No. 87241-4 (4 Lines).

Bombay City Depot—Arched Bungalow Road, Off Reay Road, Mazgaon, Bombay 10.

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Jafferbhoy Salehbbhooy & Co., General Merchants, Importers & Exporters, 201, Nagdevi Street, Bombay 3.

Jagad Trading Co., Importers & Exporters, 56, Gulalwadi, Bombay 4.

Jagjivandas Nandalal & Co., Wholesale Stationers and Manufacturers, 237, Abdul Rehman Street, Bombay 3.

Jagtlani Bros., Importers and Stockists of Electrical Goods, 53, Podar Chambers, Parsi Bazar Street, Fort.

JAGTIANI, J. T., Specialists in Scientific and Medical Laboratory Equipment, and Refrigeration and Air-Conditioning. National House, 6, Tulloch Road, Apollo Bunder, Post Box 332, Bombay 1. Phone : 35229. Grams : "FACIMARE."

Jai Dayal Kapur & Sons Ltd., Paper Merchants & Stationers, 24, Shamshet Street, Bombay 2.

Jai Hind Advertising Agency, Advertising Agents, Tara Nivas, 2nd Lane, Hindu Colony, Dadar, Bombay 14.

Jai Hind Fire Works Ltd., Manufacturers of Fire Works, Novelties and Crackers, 42, Hanam Street, Fort.

Jagmohandas Mangaldas & Co., Importers & Stockists of Typewriters & Spare Parts, Lentin Chambers, Dalal Street, Fort.

Jalco Publishing House, Booksellers and Publishers, 125, Bell Lane, Mahatma Gandhi Road, Fort. Grams : "Quick-sight." Phone No. 32564.

Jaikishindas Mohandas, 19, Siriram Market, Old Barden Gully, Vadgadi, Bombay 3. Direct Importers and Stockists of Dyes and Chemicals.

Jaipur Metal Industries Ltd., The Manufacturers of all kinds of Metals and Alloys, House Service Meters, etc., Kamani Chambers, Nicol Road, Ballard Estate. Phone : 32897 (3 lines).

Jairamdas & Sons, Importers and Stockists of Piles, Tools, Saws, Precision Instruments Suppliers to Government & Railways, 163, Narain Dhuru Street, Bombay 3. Grams : "Jairamsons." Phone Nos. 31120 and 32836 (Extn. 36).

"JAM-E-JAMSHED" (Established 1832), Anglo-Vernacular daily. J. B. Marzban & Co., Ltd., Ballard House, Mangalore Street, Fort. Tel. Address : "Jamshed", Bombay. Phone No. 30071 (2 lines).

JAMES & CO., LTD., Merchants and Agents, 34, Larnington Road (N.), Bombay 8. Phone : 41271. Regd. Office : Calcutta.

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Managing Agents for :—Macfarlane & Co., Ltd., Calcutta and Bombay.

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Jamnadas Chaturbhuj & Bros., 92, Vitthalwadi, Bombay 2. Phones : 23066 & 22553. Grams : "JUBILEE". Mill Gin Stores Suppliers. Specialists in Graphite, Plumbago and Black Lead for all industrial purposes. Prop. : Premchand C. Bhayani.

Jamnadas & Co., D., Chemicals Importers & Stockists, 207, Samuel Street, Vadgadi, Bombay 3. Phone : 24471.

Jamnadas Jivram & Co., Gum, Grain & Seeds Merchants, 108, New Chinch Bunder Road, Bombay 9.

JAMNADAS MORARJEE & CO., Stock, Share and Finance Brokers, Old Stock Exchange Building, 8/10, Dalal Street, Fort. Phone Nos. 23737 & 25355.

Jamshed and Jehangir Cama, Commission Agents, Bombay. Proprietor : Jamshed P. Cama, Cama Building, 24-26, Dalal Street, Fort.

Jamshedji Jivanji, Jewellers, Gold & Silver-smiths, Opp. Mumbadevi, Zaveri Bazar, Bombay 2.

Jamshedji Nowroji, & Co., Largest Importers of Watches, 90, Abdul Rehman Street, Bombay 3.

JARIWALA & Co., L.C., Industrial Estates, Lalbaug, Bombay 12. Managing Agents for Solar Batteries & Flashlight, Ltd., Bombay.

Jasawalla, R. M., & Co., Importers, Manufacturers' Agents for Textiles and Pharmaceutical Products and General Merchants, 105, Apollo House, Apollo Street, Fort.

Jaya Hind Industries Ltd., Typewriter Importers, Iron & Steel Founders, Fazalbhoy Building, Mahatma Gandhi Road, Fort.

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Paid-up Capital 25,00,000
Total assets as on 31-12-1952 exceed Rs. 1,43,00,000.
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Tel. Address : "Jayantbabu". Phone Nos. 23919, Head Office & Show-room and 60774 (Adm. Office & Factory). Factory & Adm. Office. 924A, Sayani Road, Bombay 28.

Jayantilal L. Gandhi, Direct Importers of Wire, Wire-netting products, 243, Arjyle Road, Iron Market, Bombay 9.

Jayco Watch Co., Direct Importers of Watches, Clocks & Timepieces, opp. Crawford Market, Oomrigar Building, Bombay 3.

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Jehangir P. Lentin & Co., Shipchangers, Steamship Furnishers & Suppliers of all labour, Lentin Chambers, Dalal Street, Fort.

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Jivraj Tribhovan, Importers, Exporters & Commission Agents, 418, Kalbadevi Road, Bombay 2.

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Kantilal Company, Dealers in Batteries, Torches, Bulbs, etc., Jannabai Building, Abdul Rehman Street, Bombay 3.

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Kantilal Sanghvi & Co., Importers, Exporters and Manufacturers' Representatives, Mherwan Building, Sir Phirozshah Mehta Road, Fort, Bombay. Tele. No.—Office: 34261; Residence: 28185. Tel. Address: "Expium."

Kapadia Bros., Importers & Stockists of all kinds of Rubber goods, Hospital and Surgical Instruments, Kalyan Building, No. 8, Kandewadi, Bombay 4.

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Codes: A. B. C. 5th and 6th Editions, Bentley's complete phrase Code, Schofield's eclectic phrase Code & Private.

Kapadia, G. P., & Co., Chartered Accountants, Hamam House, Hamam Street, Fort.

Kapadia & Mehta, Chartered Accountants, 10, Hamam Street, Fort, Bombay.

Kapur & Co., A. N., Manufacturers, Importers & Stockists of Sports Goods, Court House, Dhobi Talao, Bombay 2.

Kapur Engineering Corporation, 23-B, Ismail Building, Hornby Road, Fort, Bombay. Electrical, Mechanical, Structural Engineers & Contractors.

Karachi Engineering Co., Manufacturers Representatives and General Contractors, People's Building, 6th floor, Sir Phirozshah Mehta Road, Fort, Bombay. Phone: 30122.

Karimi Litho Press, Publishers of Islamic Religious Books, Anjeerwadi, Masagaon.

Karimjee Trading Co., Ltd., Importers, Exporters and Commission Agents, Rahimtoola House, 7, Homji Street, Fort, P. O. Box 1439, Bombay. Phone No. 26300. Tel. Address: "Salute".

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Khairullah, G. D., Commission Agent and Merchant (Estd. 1898). 105, Apollo Street, Fort.

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Lloyd's Register of Shipping, Laxmi Building No. 2, Ballard Road, Ballard Estate, Bombay.

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Mahendra & Co., Insurance Agents, Life, Fire, Motor, Marine and all kinds of Insurances. 46, Churchgate Street, Fort, Bombay. Phone: 31984.

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MAHINDRA & MAHINDRA LTD., Gateway Building, Apollo Bunder, Bombay No. 1.

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Branches: Delhi, Phelps Building, Connaught Place, Calcutta, Hall & Anderson Building, Park Street, Madras: Second floor, 35 B, Mount Road.

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Ruth's Accumulators (Cochran) Ltd., Annan (Scotland), U.K.—Steam Accumulator Plants.

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Spirax-Sarco Ltd., Cheltenham, U.K.—Fuel Economy Equipment.

Simmonds Aerocessories Ltd., Treforest Glamorgan, U.K.—Locknuts, plain hexagon turned nuts, cold-headed nuts and bolts, contents gauges etc. for industrial and aircraft purposes.

National Supply Co., 600, Fifth Avenue, New York 20—Diesel generating sets.

H. J. Godwin Ltd., Quenington, U.K.—Deep and shallow well pumps, windmills, etc.

Motokovo Ltd., Praha (Czechoslovakia)—Zetor tractors, agricultural implements, etc.

Investa Ltd., Praha (Czechoslovakia)—Skoda engines, generating sets, pumps, pumping sets, stone crushers, oil expellers, cream separators, etc.

Acciaierie E. Ferriere Pugliese, Bari, Italy, Boiler Tubes, Seamless G.I. and M.S. Tubes.

Bailey & Co., Ltd., Sir W. H., Albion Works, Patricroft, U.K., Valves of all description.

Birmabright Limited, Birmingham, England, High Grade Aluminium Alloys, Extrusions, Sheets, Sections and Wire for Railway and Marine Construction.

Bristol Instrument Co., Ltd., Lynch Lane, Dorset, U.K., Flow Meters, Recorders, Controllers.

Cinema Television Ltd., London, U.K., Metal Detectors.

Compagnie Des Surchauffeurs, Paris 8, France, Super Heater Elements.

Cox Engineering Co., Ltd., Sheffield, Steam and Water Mixer Valves, Water Heaters, Dial Type Thermometers, Pressure Gauges, etc.

Expanded Rubber Co., Ltd., Croydon, U.K., Onazote Products.

Filton Ltd., Lamington, Spa., U.K., Rotary Union.

Frew Bros. & Co. Ltd., Whitfield, Coatbridge, Near Glasgow, Scotland, Wire Ropes.

Iva Alti Forn E. Acciaierie D'Italia, Genova, Italy, Railway Tyres and Axles, Railway Carriage and Wagon Components, Steel Sections and Plates, Hydraulic Machinery and Equipment, Oil Refinery Plant, Mild Steel Black Bolts and Nuts, etc.

Manton Gaulin Mfg. Co., Inc., Mass, U.S.A., Textile & Milk Homogenisers.

Nelson Metal Craft Limited, Nelson U.K., Shirley's Accelerated Drying Device.

Societe Franco Belge De Materiel De Chemins De Fer, Ralsmes (Nord), France, Steam Locomotives for Railways, Locomotive Boilers, Railway Underframes and Wagons for Gauges other than 5'-6".

MARSHALL, SONS & CO. (INDIA), LTD., Engineers, Ballard Road, Telephone No. 20251 (two lines). Telegrams :—"Steam," Bombay. P.O. Box No. 124. Head Office : Netaji Subhas Road, Calcutta.

Branches :—Madras, New Delhi, Lucknow & Colombo. In Association with : Marshall Sons & Co. Ltd., Gainsborough, England. Manufacturers of Steam Engines, Boilers, Road Rollers, Diesel Tractors, Threshing Machinery, etc. and Thos. W. Ward Ltd., Sheffield, England. Suppliers of New & Re-conditioned Machinery.

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Blackman Export Co., Ltd., Keith Fans, Heaters and Blowers.

Blaw Knox Ltd., Earth Moving Equipment and Concrete Machinery.

Boilerline Ltd., Scale Preventive Composition.

British Rototherm Co., Ltd., Thermometers.

Brook Motors Ltd., A. C. Electric Motors. Clay Cross Co., Ltd., Economisers.

Continental Gln Co., Cotton Ginning Machinery.

Drayton Regulator & Instrument Co., Ltd., Steam Traps and Recording Instruments.

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Hayward-Tyler & Co., Ltd., Reciprocating
Pumps, Steam and Power Driven.

John Fowler & Co. (Leeds) Ltd.,
Diesel Crawler Tractors and Diesel
Locomotives.

Martin's Cultivator Co., Ltd., Agricultural
Implements.

Reader, E., & Sons, Ltd., Vertical Steam
Engines.

Rose, Downs & Thompson, Ltd., Oil
Milling Machinery.

Salopian Engineers Ltd., England, Disc
Ploughs.

Thos., Robinson, & Son, Saw Milling &
Flour Milling Machinery.

Thos. Smith & Sons (Rodley) Ltd., Cranes.

MARTIN & HARRIS LTD., Manufacturers'
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lace Street, Bombay 1.

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Phone { Office: 30073/74.
Stores: 38870.

G. W. Gosling, Resident Director.

P. K. Asil, Manager.

Head Office:—Mercantile Building, Lal
Bazar, Calcutta. Branches: Madras,
Delhi, Bangalore. Directors: R. D.
Lemmon (Chairman), H. G. Harris,
M. G. R. Harris, G. W. Gosling, J. J.
Harris, F. Lemmon.

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Angier Chemical Co., London & Boston,
U.S.A.

Amalgamated Dairies, Ltd., Auckland,
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British Chemicals & Biologicals (Export)
Ltd., Loughborough, Leics.

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T. B. Ford, Ltd. (Filtration Dept.),
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Hartmann-Leddin Co. Inc., Philadelphia,
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Richard Hudnut Ltd., London.

Johnsons of Hendon, Ltd., Hendon,
London.

J. C. Eno Ltd., Watford, Herts. (Eno's
Fruitsalt, Yeast-Vite, Thermogene,
Sherley's Veterinary Preparations, etc.).

Knoll Ltd., London.

Merk (North America) Inc., New York,
U.S.A.

Miles Laboratories Inc., U.S.A. & U.K.

The Outline Co., London.

Organon Laboratories, Ltd., London.

Sterling Products International Inc.,
Newark, N. J., U.S.A.

The Stillman Co., Aurora, Ill., U.S.A.

Synfleur Scientific Laboratories, Mont-
ello, U.S.A.

Therapeutic Products Ltd., Perivale,
England.

Vitamins (Overseas) Ltd., London.

Ward's Natural Science Establishment
Inc., Rochester, N. Y.

William R. Warner Division, Warner—
Hudnut Inc., New York, U.S.A. and
London.

MARTIN BURN LTD., Esplanade House,
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Phone: 30470.

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Bombay Manager: K. B. Sethna.

Head Office: 12, Mission Row, Calcutta.

Branches at: Delhi, Kanpur.

London Office: Martin Burn Ltd.
(London Agency), Martin Burn House,
71, Queen Street, London E.C. 4.

Managing Agents:—

Burn & Co. Ltd., Indian Iron & Steel Co.
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Sulphuric Acid, Benzol Products, etc.

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Monolith Cement Grouting Machines.

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and Appliances.

Waterlution Rust Proofing Chemicals.

Parsons Welded Steel Chains.

Vanderbilt Rubber Chemicals.

Phillips Carbon Blacks.

Sternol Core Compounds.

Volapray Spraying Equipments, etc.

Maskati, A. E., Maskati House, Mohamedally
Road, Bombay 3. Importers of Glassware
and Hardware.

Masrani & Co., Importers-Exporters
and Manufacturers' Representatives, 163,
Narayan Dhuru Street, Bombay 3.

Master, A. M., & Co., Manufacturers of all
kinds of Scales and Weights, 179-81,
Janjkar Street, Bombay 3.

Maavy & Co., Ltd., 388-94, Sheikh
Memon Street, Bombay No. 2. Grams:
"Maavy". Dealers in Electrical Machinery
such as Motors, Generators, Pumping Sets
etc., Control Panels, Switch Gear;
Vee-Belt Drives, etc. *Mg. Director:* S. P.
Kanhare. *Manager:* W. S. Gharee.

MATA LACHEMI COMPANY, Importers,
Exporters and Manufacturers' Repre-
sentatives, Hussain Chambers, Nana-
bhai Lane, Fort, Bombay. Tel. Address:
"Laomat." Phone: 28655.

**MATCHWEL ELECTRICALS (INDIA)
LIMITED**, (Managing Agents: Kassels
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Palton Road & Hornby Road, Post Box
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Grams: "Matchwel." Electrical Engineers,
Government Contractors and Manufac-
turers of famous low consumption M.E.I.
Kassels, Anand & Lucky A. C. and Azad
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Estate, P. O. Box No. 827, Bombay.
Phone No. 30955. Calcutta Office: 7,
Hare Street. Head Office and Works:
Park Works, Manchester. London Office:
Park House, Great Smith Street, West-
minster, S. W. Tel. Address (all Offices):
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pliances, Electrical and Pumping Machi-
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Shutters, "Vortex" Humidifiers, Bleaching,
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Mathrawala Estate Service, 211-219, Frere
Road, Bombay 1. Phones: Office 24647;
Residence 37112. Grams: "Sagacious."

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Tel. Address: "Canvas". Phone No.
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Office: Karimjee House, Sir Pherozshah
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Calcutta: 7, Old Court House Street, P. O.
Box 2023, Madras: Puroshotham Buildings,
193, Mount Road, P. O. Box 693; New
Delhi: Chaudhary Building, "K" Block,
Connaught Circus, P. O. Box 693;
Gauhati: Jasomanto Road, P. O. Bag 693;
Tel. Address: "Embechem," Bombay,
"Bl-smuth," Calcutta, Madras, New Delhi
and Gauhati.

Mayalax Combine, Lubricating Oils &
Colour Merchants, 86, Dondad Street,
Bombay 9.

MAYASHANKER THAKER & CO.,
65, Apollo Street, Fort. Engineers,
Contractors, Mill and Gln Furnishers.

Proprietor—Hemendra D. Dave.

Manager—Nadirsahaw J. Watchha.

Telephone No. 20376.

Tel. Address: "Esther."

Mayfair Scale Co., Weights, Scales &
Measures Merchants, Mohamedally Road,
Bombay 3.

MAZAGON DOCK LTD.

Mechanical Engineers and Ship Repairers,
Mazagon, Bombay 10. Telephones:
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Grams: "MAZDOCK."

Managing Agents: Mackinnon Mackenzie
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26.

General Manager: G. E. Kerr, M.I.E.S.,
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All Types of hull and Engine repairs carried
out to passenger, tanker and dry cargo
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M. B. Thakkar, Dealers in Synthetic and Natural Essential Oils, Aromatic and Heavy Chemicals, 105, Princess Street, Bombay 2. Phone (Residence) 21086. Grams: "Sweetodour."

McDowell & Co., Ltd., Agents & General Merchants, Aslan Building, Ballard Estate, Fort, Bombay.

MCKENZIES LIMITED, Sewri, Bombay. Engineers, Contractors, Bridge Engineers, Reinforced Concrete and Road Specialists, Timber Dealers and Sawyers. Manufacturers of Furniture, Vehicle, Railway Carriage and Wagon Builders, Boat and Barge Builders, Ship Repairers, etc.

Managing Director:—Pushotamlal R. Jhunjhunwala.

Secretary:—K. M. Sankhala.

Accountant:—S. R. Patil.

Engineers:—(a) Bombay:—B. V. Apte (Chief Engineer), C. M. Shah, B. L. Patel, D. E. Samuels, S. M. Lal, K. V. Champhekar, Geo. De-Frescheville (Chief Mechanical Engineer), C. H. De Souza (Consulting Engineer).

(b) Madras:—P. S. Nilakantan.

Manager (Commercial Division): S. Sreenivasan.

Manager (Sales Division): Jules Furtado.
Assistants:—B. R. Korgaoker, A. V. Vaidya, B. Sadanand, C. V. Raman, R. R. Kadaba.

Public Relations Officer: C. R. Sundarajan.

Labour Officer: Y. D. Vichare.

Stores Purchase Officer: R. Joshi.

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Phone Nos. 60007, 60008, 60009.

Medical Appliances Manufacturing Co., Manufacturers of all Kinds of Glass Ampoules, Test Tubes, Hydrometers and all sorts of Laboratory apparatuses, etc. Eustom Building, 2nd Floor, Vir Nariman Street, Fort, Bombay.

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MEHTA & COMPANY

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Iron Market,
Bombay 9.

Phone: 25163. Grams:
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Mehta & Sons, L. N., Importers & Exporters, Piece-goods, Yarn & Typewriters, etc. Laxmi Building, Sir Phirozshah Mehta Road, Fort. (See under "Import-Export".)

Mehta Bros. & Co., Importers of Sewing Machine Spare Parts & Scissors of all kinds, Krishna Building, 306, Sandhurst Road, Bombay 4.

MEHTA & COMPANY, P. N., Importers & Exporters; Rayon & Cotton Yarns from Holland, France, U.K., and Japan. Textile Machinery from U.K. & Europe, Cook's Building, 324, Hornby Road, Fort. Grams: "Mazdiyesni." Phone Nos. 21288 & 31861.

Mehta Dhanbhora & Co., Chartered Accountants, All Chambers, 4th Floor, Meadows Street, Fort, Bombay.

Mehta Hardware Mart, 81, Nagdevi Street, Bombay. Phone Nos. Office: 21640, 24545. Residence: 33043. Tel. Address: "Quote."

MEHTA RAMKRISHNA & CO., Cotton Mucadams & Controllers, Clearing and Forwarding Agents, Khandelwal Bhavan, 166, Dr. Dadabhai Naoroji Road, Fort, Bombay 1. Tel. Address: "Amarkay." Phone Nos. 21388 & 41157.

Mehta, S., & Co., Mill, Gin Stores Suppliers, Ance Chambers Annex, Carnac Road, Bombay 1.

Mehta Sanghvi & Co. (Estd. 1942). Importers & Dealers in Chemicals and Dyestuffs, 303, Samuel Street, Bombay 3.

Mehta Textile & Hardware Stores, Mill Stores & Hardware Merchants, 158/160, Narayan Dhuru Street, Bombay 3.

Mekda Corporation, Printers and Publishers, 407, Kalbadevi Road, Bombay 2.

Menka Brothers, 24, Vir Nariman Street, Fort, Bombay. Importers, Exporters and Mill Gin Stores Suppliers.

MENLEY & JAMES LTD., Manufacturing Chemists (Incorporated in England with limited liability), Bombay Branch: 141, Fort Street, Fort, Bombay 1.

Menora Hosiery Works Ltd., Manufacturers of Hosiery knitted wears. Ruby Terrace, opp. 3rd Pasta Lane, Bombay 5.

Menty, S. M., & Co., 11-13, Horniman Circle, Fort. Direct Importers and Stockists of all kinds of canvas for all purpose, Hessian, Gunnies, Flax and Jute Twines, Plastic Sheets, Oil Cloth, Leather Cloth, Book binding Cloth, Waterproof Cloth, etc., and Manufacturers of Tarpaulins, Holdalls, Kit Bags, Sails, Awnings, etc., etc. Tel. Address: "Tarpaulin." Phone No. 23620.

Mercantile Agency, Importers, Exporters and Commission Agents, 45-47, Mahatma Gandhi Road, Fort.

Mercantile Essential Oil Company, Dealers in Indian Essential Oils. Stockists of Palma Rosa Oil (Mottia & Soja) and Ginger Grass Oils, 5, Mint Road, Fort. Phone No. 21357. Grams: "Geraniol."

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MERCURY PAINTS & VARNISHES LTD., Manufacturers of Genuine White Zinc Stiff and Coloured Stiff Paints, Ready Mixed Paints, Varnish Paints, Enamels, Genuine Double Boiled Linseed Oil, Fine Black Japan, Fine Copal Varnish, Fine Hardbody Varnish, Fine Goldsize, etc. Office: 28, Apollo Street, Fort, Bombay. Phone: 22598. Grams: "Guaranteed". Factory: Cadell Road, Bombay 28. Board of Directors: B. M. Ghia (Chairman), D. R. Nanjee, N. B. Bhagat and D. M. Ghia.

Merit Oil & Trading Co. Ltd., The (Estd. 1924), 28, Apollo Street, Bombay 1. Guaranteed Pennsylvania High Grade Refinery Products.

MERMAID PAINTS LTD., Manufacturers of "Mermaid" and "Chakra" Brand Paints for all purposes, Printing Inks, Varnishes, etc. Allee Buildings, 339, Dr. Dadabhai Naoroji Road, Fort, Bombay 1. Phone: 27017. Tel. Address: "Waudeo."

MERWANJEE BOMANJEE DALAL, Stock, Share, Bullion, Exchange and Finance Brokers, 45-47, Apollo Street, Fort. Tel. Address: "Giltedged." Phone Nos. 31087 31088 & 31089.

Merwanjee Poonjiajee & Sons, Manufacturers of Chutneys, Pickles, Curry-Powder, etc., Poonjiajee Building, Prince's Dock, Bombay 9.

Metal Box Co. of India Ltd., Post Box No. 544, Bombay 1. Specialists in the manufacture of plain and lithographed tin boxes, advertising signs, collapsible and rigid tubes. Tel. Address: "Metaboxes." Phone Nos. 78311/14. Head Office: "Barlow House, 59-C, Chowringhee Road, Calcutta 20. Branches also at Kidderpore, Calcutta and Tondiarpet, Madras.

Metal Distributors Ltd., Importers & Exporters of Metals. 12/18, Vithalbhai Patel Road, Bombay 4.

METAL LABEL MFG. CO., Manufacturers of Metal Labels for Machinery, Furniture, Fans, etc., Government Contractors and Advertising Novelties—Cutters as—Metal—Calendars—Blotters—Cutters—Writing Pads, etc., 369, Satyabhama Nivas, Vithalbhai Patel Road, near Congress House, Bombay 4.

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Building, Sir Phirozshah Mehta Road, Fort.

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all sorts, Contractor Suppliers & Com-
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Metro Industrial & Mfg. Co., Manufacturers
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Metro Motors, "The Motor House,"
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Metro Music, Gramophone and Radio
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Garages, Churchgate Reclamation, Bom-
bay. Phones: 37174 and 37175. Grams:
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Fort, Bombay. Phone: 32745. Grams:
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Michellin Tyre India, Ltd., 76A, Girgaum
Road, Bombay.

Midway Service Corporation (India),
Electrical Engineers & Contractors, Shree
Krishna Nivas, Abdul Rehman Street,
Bombay 3.

Milan Spring Works, Manufacturers of
all Types of Springs, 39, Khadia Street,
Bombay 8.

Mill Factors Corporation, Mill Stores
Suppliers, Advani Chambers, Sir
Phirozshah Mehta Road, Fort, Bombay.
Phone: 21844.

Millars' Timber & Trading Co., Ltd.
(Established-1902), Victoria House, Victoria
Road, Bombay 27. Road-making Machin-
ery, Contractors' Plant and Timber. Lon-
don Office: Planners' Hall, E.C. 2. Works:
Blahops Stortford; Herts. Branches
throughout the World. Tel. Address:
"Jarrah." Phone No. 41077, P.O. Box
No. 262. Manager for India: P. Suku-
maran. Agents:—Calcutta, Delhi, Madras.

Minerva Furniture Works, 67, Queen's
Road, opp. Marine Lines Station,
Bombay 2.

MINIMAX, LTD., Patentees and Sole
Manufacturers of "Minimax" Chemical
Hand Fire-Extinguishers and Engines,
Jannabhooni Chambers, 93, Fort Street,
Bombay 1.

Head Office for India: Mercantile Build-
ing, Lal Bazar Street, Calcutta.

Telegraphic Address—"Minimaxial."
Phone No. 43257.

Minocha, B. R., & Co., Ltd., Importers
of Industrial and Heavy Chemicals.
Lotus Building, Hornby Road, Fort.

Mira Chemical Works, Chinchpokli, Bombay
27. Manufacturers of Calcined Glauber's
Salt.

Miranda, Ltd., S. S., Merchants. Champs
Bhuiji Road, Mount Road, Mazagaon,
Bombay.

MISTRY, M. H. J., Import & Export
Merchant. Established 1900. Address:
"Florence," 17th Road, Khair, Bombay 21.
Tel. Address: "Munchitties." Phone:
88085. Codes used: Bentley's & Schofield's
3 Letter. Bankers.—Hongkong &
Shanghai Banking Corporation, Bombay.

Mistry & Co., D. J., Architects, Surveyors
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ing, Mahatma Gandhi Road, Fort.

Phone: 41022. Estd. 1915.

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Agents & Importers of Aniline
Dyes for all Purposes.

3, Gilder Lane,
Off Lamington Road,
Bombay 8.

Mistry Ebrahim Suleman & Co, Interior
Decorators and Building Contractors,
116, Esmail Curtay Road, Bombay 3.

Mitra, H. P., & Co., Blockmakers, Designers,
Stereo Typers and Art Printers, Krishna
Cinema Building, New Charni Road,
Bombay 4. Managing Proprietor: K. P.
Mitra. Phone No. 71131.

MITRA & CO., S., Agents and Chief Dis-
tributors for:—W. Canning & Co. Ltd.,
Birmingham, England. Manufacturers of
Electroplating and Polishing Equipments
and Materials. 210, Girgaum Road,
Bombay 4. Phone No. 23506. Grams:
"Mudeshi." Branches at Calcutta
and Madras.

**MITSUI LINE, C/o Wallem & Co. (India)
Ltd.,** Warden House, Sir P.M. Road,
Fort, Bombay. Grams: "WALLEMCO"
& "MITSUILINE". Phone: 32633.

Model Art Printery Ltd., Colour, Art and
Commercial Printers, 4, Nanabhoy Lane,
Fort.

Model Mills, Naggpur, Ltd. Agents—Bansilal
Abirchand Dadabhoy & Co. Registered
Office: Ilaco House, Sir Phirozshah
Mehta Road, Fort, Bombay.

Modern Chemical Company, Manufacturers
of Silicate of Soda and Suppliers of Silica
Sand, Indra Nivas, Bhatwadi Road,
Bombay 4.

Modern Designers Ltd., Specialists in
Structural R.C.C. Designs & Soil
Mechanics, Pansal Bansilal Mansion,
24-B, Hamam Street, Fort.

Modern Electric Co., Engineers, Contractors
and Temporary Illuminations specialists,
Prospect Chambers, Hornby Road, Fort,
Bombay. Phone No. 27451.

Modern Engineering Co., 107, Apollo Street,
Fort, Bombay.

Modern Essential Pharmaceuticals Ltd.,
Manufacturers of Essential Medicines,
Rohman Building, Vir Nariman Street,
Fort. Grams: "Modespha."

Modern Hardware & Trading Co., Importers
& Stockists of Hardware & Mill Gin Stores,
107, Abdul Rehman Street, Bombay 3.

Modern Indian Art Crafts, Manufacturers
and Manufacturers' Representatives—
Importers & Exporters of Leather
Goods, Yarns & Textiles of all Sorts,
Dyes, Chemicals, Machineries, and
Sundries, Sambava Chambers, Sir Phiroz-
shah Mehta Road, Fort, Bombay. Tel.
No. 30398 and Extension.

Modern Light House, Stockists of Torches,
Bulbs, Stoves, etc., 260, Masjid Bunder
Road, Bombay 3.

Modern Litho Works. Prop.: Modern Picture
Publishers of India. Designers and Manu-
facturers of Litho Pictures, Calendars,
Posters, Labels, Maps, Modern Ink Packets,
etc. Vithalbhai Patel Road, near Congress
House, Bombay 4. Partners: D. P.
Vaidya; V. M. Shintre.

**MODERN MECHANICAL & MARINE
WORKS,** Ship Repairers and Engineers,
93, Marine House, Dongri Bridge, Bombay
9. Telegrams: "Marinecluck." Phone
Nos. 71319 & 41523.

Modern Mill Stores, Mill furnishers, Specia-
lists in all sorts of Beltings, Bobbins,
Roller Skins and all Textile leather goods.
97, Nagdevi Street, Bombay 3.

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graphic Goods Dealers and Photographers,
353, Lamington Road, Bombay 7.

Modern Rubber Manufacturing Co., Manu-
facturers of all kinds of Industrial
Rubber Goods. Wadia Building, 17-19,
Dalal Street, Fort.

Modern Tobacco Stores, Wholesale and Retail Tobacconists, Sitaram Building, Mahomedally Road, Bombay 3.

MODERN TRADING COMPANY, Importers, Dealers & Distributors in Radios and Radio Accessories. Main Agents and Distributors of Bush Radio Ltd. for the Whole Republic of India. Head Office: Lamington Road, Near Opera House, Bombay 4. Phone: 32511. Tel. Address: "Lokshewak."

Representing Exclusively:

Mullard Radio Valves, Hunts Condensers, Acos Pickups, Celestion Loudspeakers, G.E. Radio Valves, McMurdo Valve Bases.

Branches at:

New Delhi, Calcutta, Madras.

Modi & Co. V. M. Architects, Engineers & Surveyors, Jan Mansion, Sir Phirozshah Mehta Road, Fort, Bombay.

Modi & Company, K. B. (Estd. 1911), Direct Importers of Cycles, Motor Cycles & Accessories, Ebrahim Mauslon, 366/68, Kalbadevi, Bombay 2.

Modi & Modi Co., Dealers in everything Electricals, 16, Hainam Street, Fort. Phone No. 24219. Grams: "REFLECTORS".

Mody & Co., Attorneys & Solicitors, 381, Ismail Building, Hornby Road, Fort.

Mody, J. E. & Sons, Coffee Specialists, 164, Hornby Road, Fort. Phone No. 21698.

Mody, R. E. & Co., Dealers in Plywoods, Wood, Fibre Boards, etc., and Commission Agents, Rety Road, Tank Bunder, Bombay. Phone No. 41186. Grams: "Timbers."

MODY TRADING CO., Tools and Mill Oil Stores, 163, Nagdevi Cross Lane, Bombay. Phone No. 23700.

MOGUL LINE LTD., 16, Bank Street, Fort. Regular Service from Bombay and Karachi to Mauritius, and Red Sea Ports. Managing Agents—Turner, Morrison & Co., Ltd., 16, Bank Street, Pilgrim Booking Office, Nos. 4 and 5, Mahomed Haji Baboo Siddick Munsafirkhana, Carnac Road. Phone No. 22780. London Correspondents—G e o f f r e y Turner & Co., Ltd., 5 and 7, St. Helen's Place, Bishopsgate. Code used: A.B.C. 6th Edition and Company's Private Code. Telegraphic Address: "Mogul". Telephone Nos. 26561, 26562 and 26563. P.O. Box No. 194.

Mohamad Fine Art Litho Works (Proprietors: Alibhoy Shiarfally & Co., Ltd., Bombay). Gunpowder Road, Mazagaon, Bombay 10.

MOHAMED UMAR CHANDEHOY, General Exporters and Commission Agents. E-established 1836 A. D. 150, Nagdevi Street, Bombay 3. Tel. Address: "Saifree." Phone No. 34503.

Mohamedalli Gulamhusain Imani, Gold and Silver Thread Lаметта Merchants, 13, Sutar Chawl, Bombay 3.

MOHAN BROTHERS, Ship Stores Suppliers, 39, 40, Sind Mercantile Syndicate, 315-G, Charni Road, Bombay 4. Phone No. 22417. Grams: "GEALEDER."

Mohan-Cover Karyalaya, Advertisement & Crossword Consultants, Laxmi Bhuvan, Sandhurst Road, Bombay 4.

Mohan Sons & Co., Chief Agents, Bombay Mutual Life Assurance Society Ltd., 125, Mahatma Gandhi Road, Bombay. Phone No. 22127. Tel. Address: "Protection."

Mohandal & Co., Toilet, Perfumery & Patent Medicines & General Merchants. 61, Princess Street, Bombay 2.

Mohandal & Co., Marble, Tiles & Sanitary-ware Merchants, 49, Duncan Road, Bombay 4.

MONGINI LIMITED, Manufacturing Confectioners and Caterers, Churchgate Street and 13-15, Tamarind Lane, Fort, Bombay. Tel. Add.: "Mongini." Phone Nos. 20325 and 22896.

Monitor Radios, Dealers and Importers in Radios, opp. Roxy Talkies, 24, New Queen's Road.

Monotype Corporation Ltd., The, 1st Floor, India House, Opp. G.P.O., Bombay. Phone No. 33457. Tel. Address: "Remonotype."

MONSANTO CHEMICALS OF INDIA LIMITED, 3rd Floor, Jehangir Building, 133, Mahatma Gandhi Road, Bombay 1. Phone Nos. 36884-5. Grams: "MONSANTO." Importers of Industrial Chemicals, Pharmaceutical Chemicals & Plastics powders manufactured by Associated Companies in U.S.A., U.K., Australia and Canada. Branch Offices:—(1) The Exchange, 5, Mission Row 2nd Floor, Calcutta 1 3 8, Ajmeri Gate Extn. Scheme, near Turkman Gate, New Delhi.

MONTANA, LTD., Regd. Office: Rahimtoola House, Hornby Street, Fort, Bombay. Tel. Address: "Metalsmith." Non-Ferrous Metals. Chairman: A. A. Javednvala, M.g. Director: Dr. F. B. Goldschmidt. Phone Nos.: Head Office:—30154, Refinery:—75715.

Moolchand & Co., R., Dealers in Pipe-Fitting and Sanitarywares, 44, Nagdevi Cross Lane, Bombay 3.

Mooljee Jaltha & Co., 185, Princess Street, Bombay 2. P. O. Box No. 2295. Phone Nos. 20058 & 20125. Tel. Address: "Coronet." Cotton & Oil Merchants, Commission Agents, etc.

Mooljee Sicks & Co., Indian Tobacco, Bidli Bidli Leaves and Tea Merchants, Tea Estate Owners, Landlords, Exporters & Importers, Sicks Nagar, Vithalbhai Patel Road, Bombay 4. Branches at Gondia (M.P.), Darjeeling, Champa (C.P.), Aurangabad (Mushidabad), Lucknow, Kanpur, Ambala. Head Office: 51, Ezra Street, Calcutta.

MORARJEE GOCULDA SPINNING & WEAVING CO., LTD., Number of Looms 1,652, Spindles 60,652. Agents: Piramal Gangadhar. Directors: Gangadhar Chaturbhuj, Gopikisan Piramal, Madanlal B. Jhun Jhunwala, Gobardhanlal Mahadeolal, Tanukrai M. Karundia, Moonghial Jwaladutta, G. M. Adukia, Sanwalram R. More.

General Manager: Madanlal Jalan. Factory Manager: K. S. Mahal, B. A. Registered Office at the Mill, Soparibang Road, Parel, Bombay. Phone No. 60021 (Three Lines). Tel. Address: "Mogoco".

More, S. & Co., Decorators, Painting Contractors and Sign Painters, Specialists in Shop Fronts, Commercial and Advertising Displays, 34-38, Hainam Street, Fort. Phone No. 21019. Tel. Address: "Packwell."

MORISON, J. L., SON & JONES (INDIA), LTD., Bombay, Calcutta, Madras, Delhi. Post Box No. 6527, Warden Road, opp. Mahalaxmi Temple, Bombay 26. Tel. No. 73288. Tel. Address: "Conflict."

Morison, J. L., Son & Jones Ltd., London.

Morison, J. L., Son & Jones (Karachi) Ltd., Karachi, Chittagong.

Morison, J. L., Son & Jones (Burma) Ltd., Rangoon.

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Sole Agents for:—Addis, "Wisdom" Nylon Toothbrushes and other Toilet Brushes.

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E. O. DeWitt & Co., Ltd., "DeWitt's Kidney and Bladder Pills."

Ephazone & Co., "Ephazone" for Asthma, Bronchitis, etc.

E. T. Pearson & Co., Ltd., "Lactagol," "Teasol," "Rhinitol," "Iodinosol," etc.

Frank Cooper, Ltd., "Oxford" Marmalade, etc.

Gala of London Ltd., Nail Colour, Lipsticks, Lipplines, etc.

J. Goddard & Sons, Ltd., Goddard's Plate Powder, Silver Cloth Liquid Polish, etc.

James Pascall Ltd., Confectionery.

Maclean, Ltd., Maclean's Peroxide Tooth Paste, Tooth Brushes, Maclean's Brand Stomach Powder, Tablets, Hydrogen Peroxide.

Marmite Food Extract Co., Ltd., "Marmite."

Mead Johnson & Co., "Mead's" Vitamin Preparations.

Morny, Ltd., Perfumery and Toilet Specialists.

Optrex (Overseas) Ltd., "Optrex" Eye Lotion.

Perry & Co., Ltd., Perry's Pens, etc.

Phosferine (Ashton & Parsons) Ltd., "Infant Powders" and "Phosferine" Tablets and Liquid.

Ronuk, Ltd., "Household Polishes," Boot, Furniture and Floor Polishes.

Scott & Turner, Ltd., "Andrews Liver Salt."

Spalding, A. G. & Bros., Golf & Tennis Balls and Tennis Rackets.

Stavanger Preserving Co., A. S., Canned Fish.

H. C. Stephens, Ltd., "Stephens Inks," etc.

T. J. Smith & Nephew Ltd., Surgical Dressings, "Elastoplast," "Gypsona," etc.

Trasdale & Co., Ltd., "Nipita," etc.

Thos. Christy & Co., Ltd., "Glyco-Thymoline."

Triumph Engineering Co., Ltd., Triumph Motor Cycles.

Fairy Dyes Ltd., "Household Dyes," Textile Dyes, "Morning Pride" Shaving Cream.

Parfums Lucien Lelong, Ltd., "Perfumes."

Pharmaceutical Manufacturing Co. Ltd., "Novotox" Self-sterilizing Local anesthetic.

Valor Co., Ltd., "Stoves, Cookers, Ovens," etc.

County Perfumery Co., Ltd., "Brylcreem"

A. Rowland & Sons, Ltd., "Macassar Oil."

Pritchard & Constance Ltd., "Amami."

Beecham (Northern) Ltd., "Pharmaceuticals."

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Meltonian (N. Brown & Son) Ltd., "Shoe Polishes, etc."

J. Pickering & Sons Ltd., "Pickering's Blanco."

T. Symington & Co., Ltd., "Coffee Essence."

Motabhoj Gulabdas & Co., Neptune Building, 104, Apollo Street, Bombay 1.

MOTANDAS & CO., T., Wine & Spirit and Provision Merchants, 5-G, Jehangir Mansion, 1st Marine Street, near Metro Cinema, Bombay 1, Thana Sadder Road, Delhi 6; Sojati Gate, Jodhpur.

Motichand & Co., Engineers & Contractors, United India Building, Sir Phirozshah Mehta Road, Fort.

Motichand Construction Co., Ltd., Engineers and Contractors, United India Building, Sir Phirozshah Mehta Road, Fort, Bombay.

Motilal Bawala, Share, Stock and Finance Brokers, Agakhan Building, Dalal Street, Fort.

Motilal Dayabhai & Sons, Jewellers, 208, Walkeshwar Road, Bombay.

Motilal Vijbhukhandas, Bullion Merchants, 155, Shaikh Memon Street, Bombay 2.

Motion Picture Enterprises, 15, Sardar Griha, Bombay 2.

Motiwala & Co., G. M., Importers & Stockists of Glass, Beads, Needles, etc., 80, Bhusari Moholla, Bombay 3.

Motor Hood Depot, The, Motor Body and Upholstery materials, 480, Sandhurst Road, Bombay 4. Phone: 71087.

MOTOR UNION INSURANCE CO., LTD., THE (Incorporated in England with Limited Liability), Jehangir Wadia Bldg., Mahatma Gandhi Road, Flora Fountain, Fort. Fire—Motor—Marine—Accident—Workmen's Compensation, etc. Tel. Address:—"Motuniron." Phone Nos. 31081 3 (3 Lines). Post Box 595. Branch Manager:—K. C. Carley.

Motwane Radio Manufacturing Co., Ltd., The, 127, Mahatma Gandhi Road, Fort, Bombay.

Muchhala, H. E. & Co., 176, Bazar Gate Street, Fort. Government and Railway Contractors, P. W. D. and Mill Stores Suppliers. Phone No. 24572. Tel. Address:—"Ameaka."

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Importers of:—Dry Fruits, Cotton, Cycles, Hardware, Etc.

Bankers:—National Bank of India Ltd.; Mercantile Bank of India Ltd.; Punjab National Bank Ltd.; Bank of Bikaner Ltd.

Branches:—Delhi, Amritsar.

Associate Firms:—Mulchand Chanderbhan & Co., 19, Chinch Bunder, Bombay 9; Lal & Company, 19, Chinch Bunder, Bombay 9; Anand Trading Co., 234, Masjid Bunder, Bombay 8.

MULCHAND SOORCHAND, Dealers in Copper and Brass Rods, Pipes, Sheets, Sheathings, Rivets, Washers, Metals, etc., Tambakanta, Pydhownie, Bombay 3. Phone No. 73485. Tel. Address:—"Mulsur."

Mulraj Khatau & Sons Ltd., Laxmi Building, Ballard Road, Fort. Phone No. 24705. Directors: Morarji Mulraj Khatau (Chairman), Dharamsey Mulraj Khatau, J.P., Laxmidas Mulraj Khatau, Chandrakant Mulraj Khatau, Lalitkumar Mulraj Khatau. Tel. Address:—"Emandco."

Mulvaney & Co., Ltd., John L., Bombay Mutual Building, Hornby Road.

Muni & Company, Dealers in Non-Ferrous Metals, raw and Semis, Brass and Copper Tubes, Rods, Strips, Sheets, Circles, Flats and Aluminium Manufacturers, Hardware & Tools, Cycles & Accessories. Exporters of Piece-goods, Jute, Spices, Cotton Waste, etc. General Assurance Building, 232, Hornby Road, Fort, Bombay. Grams:—"Sunrays."

Murray & Co., Manufacturers of Table Fans, Transformers and Electrical Accessories, Swadeshli Mills Estate, New Queen's Road, Bombay 4. Phone 22327. Grams:—"EMCOFAN."

Munshi & Co. Ltd. (Estd. 1914). Engineers & Engravers, Speciality in Dies, 187, Bapu Khote Street, Pydhownie, Bombay 3.

Munshi & Co., Transport Agents, Mohamedall Road, Bombay 3.

Musry, G. N., Ltd., Importers & Exporters, Canada Building, Home Street, Fort. Phones: 21435 & 32106.

Muthye, V. V., Sole Agents, Bombay Presidency, Raja Junior Fountain Pens, 11, Shamshet Street, Bombay 2.

MYSORE IRON & STEEL WORKS, GOVERNMENT OF MYSORE, BEAD, RAVATI, Manufacturers of Charcoal, Pig Iron, Cast Iron Pipes to British Standard Specifications, Mild Steel sections, Wood Distillation Products, Chamundi Brand Cement, Structural Work, Ferro-Silicon and Steel Castings. Bombay Branch: Lakshmi Building, Sir Phirozshah Mehta Road, Fort. Tel. No. 24374. Tel. Address:—"Chariron."

N. Himatlal & Co., Chemicals, Drugs & Pharmaceuticals, 83/85, Princess Street, Bombay 2.

N. P. Master & Co., Exporters & Importers, 17, Gunbow Street, Fort.

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NAGDEVI TOOL-STEEL MART.

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Nagindas Kilabhai & Co., Direct Importers of Mill Gin Stores, Crescent Chambers, Tamarind Lane, Fort, Bombay.

Nagindas & Maneklal, Chartered Accountants, 29, Marine Lines, Fort, Bombay.

Nairsons (Bombay) Company, Importers Exporters & Manufacturers' Representatives. 105, Sir Vithaldas Chambers, Apollo Street, Fort.

Naraindas, G., Exporters, Importers, Carpet Manufacturers, Kashmir Numdas & Curio Dealers. 81, Wodehouse Road, Colaba.

NARANDAS PRAMANANDAS, 2nd Floor, Mithawala Building, 272, Vadgadi (Samuel Street), Bombay 3. Tel. Address:—"Shergola". Phone: 70851.

Head Office:—37, Armenian Street, Calcutta. Tel. Address:—"Kundlaker." Phone: J. S. 3499. General Importers, Exporters and Dealers in Dyestuffs and Chemicals.

NARANDAS RAJARAM & CO., LTD., Cotton Merchants & Textile Exporters. Head Office: Navsari Chambers, Outram Road, Fort. Phones 38061 and 38062.

Narendra Electric Stores, Electrical Goods & Appliances Merchants, 158, Lohar Chawl, Bombay 2.

NARENDRA ROY & COMPANY, Direct Importers and Wholesale Dealers in Cycles and Accessories, 453, Kalthadevi Road, Bombay 2. Phone No. 21186.

Nariman B. Bharucha & Sons (Late of Pallanji Edulji & Son), Builders, Contractors & Sanitary Engineers. Khalukdina Terrace "B", Gowalla Tank Road, Bombay 26. Phone No. 40914. Grams:—"BARUKSONS."

NAROTAM & PEREIRA LTD., Bunkers Landing Contractors and Storekeepers, Colombo and Galle. Registered Office: Scindia House, Douglas Road, Billard Estate. Tel. Address:—"Jalatharg." Bombay. Phone No. 30087. Directors: Shantikumar N. Morarjee (Chairman), P. N. Vevaina, J. E. A. Pereira, S. C. Sheth, Ratanchand Hirchand, Ramdas Kilachand, Kishore M. Prechand, F. X. A. Pereira, N. Dandekar.

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LAMINGTON ROAD, BOMBAY 4.

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Branch at: Sheikh Memon Street.

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Narottamdas Karsandas & Co., International Oil-Products Importers, Merchants and Distributors and General Indenting Agents, Whiteaway Laidlaw Building, 278, Hornby Road.

Narsi Mulji & Co., 179, Khoja Moholla, Bombay 9. Merchants, Commission Agents, Importers & Exporters of Grain, Seeds and Gums

Narwekar, M. N., & Co., Fishing Requisites, Dealers and Stockists, 7, Homji Street, Fort.

Nasserwanji & Co., Contractors to Government and Indian Navy, 10-B, Homji Street, Fort. Phone No. 24576. Tel. Address: "Beatific."

Partners—Khan Saheb Nasserwanji R Dubash, Jeejeebhoy N Dubash and Rust N. Dubash.

Naterwalla, S. R., & Co., Dealers in Canvas, Tapestries & Furniture Cloth & Railway Stores, Bombay Mutual Annexe, Gunbow Street, Fort.

National Advertisers, Sales Promoters, Market Trend Forecasters (Cotton, Shares, Bullion), Mohmd Building, 318, Lamington Road, P.O. Box 4095, Bombay.

National Advertising Service, Ltd., People's Building, Sir Phirozshah Mehta Road, Fort. Grams: "Jeyenjeyn," Bombay. P.O. Box No. 511. Tel. No. 23023. Associates all over the world.

NATIONAL AUTOMOBILE CO., LTD., Direct Importers & Merchants. Auto-spares, accessories, tools, Radio spares and Radios. Opera House Tram Terminus, Bombay 4. Phone No. 20570. Tel. Address: "Newauto"

National Bearing Co., Ltd. 26, Calcutt Street, Fort, Bombay 1. Manufacturers of Ball Bearings.

National Carbon Co. (India) Ltd., Lakshmi Building, Sir Phirozshah Mehta Road, Fort.

NATIONAL CASH REGISTER CO., Transport House, Colaba Causeway, Bombay 1. Phone No. 24428. National Cash Registers, Accounting Machines Agents for India Addressograph and Multigraph Addressing and Duplicating Machines. Head Office Calcutta.

National Commercial Corporation Ltd., Manufacturers' Representatives Exporters, Importers, Mill Stores, Mainwala Bhavan, 70-70A, Zaveri Bazar, Bombay No. 2

NATIONAL EDUCATION & INFORMATION FILMS LTD., National House, Tulloch Road, Apollo Bunder, Bombay. Grams: "Laduhims" Phone 35159. Educational Films, Film-Strips, Projectors and other Audio Visual aids to Education. Producers of Documentary, Industrial & Publicity Films

Sole Distributors in India for—Coronetnet Films; E.P.S. Films; Films of the Nations; Common Ground Ltd, etc.

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Manufacturers of Radio Sets, Village Community Receivers, Components and other Electronic Equipment.

Directors:

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J. D. Choksi.
N. H. Tata.
E. K. Cole.
N. C. Robertson, M.B.E.
Hirjee C. Jehangir.
Kasturbhai Lalbhai.

Navinchandra Mafatlal.

C. C. Pyne.

S. Moolgaokar.

Binod U. Rao.

H. V. Major (Alternate for N. C. Robertson, M.B.E.).

Secretaries & Treasurers: The Investment Corporation of India Ltd.

Works: Shri Shakti Mills Compound, Haines Road, Mahalaxmi, Bombay, Phone Nos. 75312-3. Dy. General Manager, H. V. Major.

National Electric Company, 11, Elphinstone Circle, Fort, Bombay. Phone No. 28782. Grams: "Electrical." Electrical, Industrial and temporary electrical illumination contractors on the approved list of Government, M.E.S., P.W.D. & C.P.W.D. and Municipality.

NATIONAL ELECTRICAL INDUSTRIES LTD. Works & Offices: Industrial Estate, Lalbaug, Bombay 12. Phones: 42097-98. Grams: "Natellin." Manufacturers of Electric Motors and Distribution Transformers.

National Employers' Mutual General Insurance Association, Limited. Head Office: National Employers' House, 1-4, Bury Street, London, E.C. 3. Fire, Motor, Workmen's Compensation, etc.

Head Office for India "Kamani Chambers," 32, Nicol Road, Ballard Estate, P.O. Box 730.

Manager for India—K. L. Pasricha.

Branch Manager—H. K. F. Nariman.

Telegraphic Address: "EMPLO-MILIA"

Telephone No. 22823.

National Engineering Co., Oil Engines, Machinery & Engineering Stores, 9-D, Sukhia Building, Nadirshaw Sukhia Street, Fort, Bombay.

National Fertilisers Ltd., Indu House, Dongall Road, Ballard Estate, Fort, Bombay. Manufacturers of Fertilisers and Exporters of Crushed bones.

National Garage Ltd. The Largest Service Station & Automobile Engineers, Warden Road, Mahalaxmi, Bombay No. 26.

National Glass Bottle Co., Direct Importers of Soda Water Requisites, Lentin Chambers, Dalal Street, Fort.

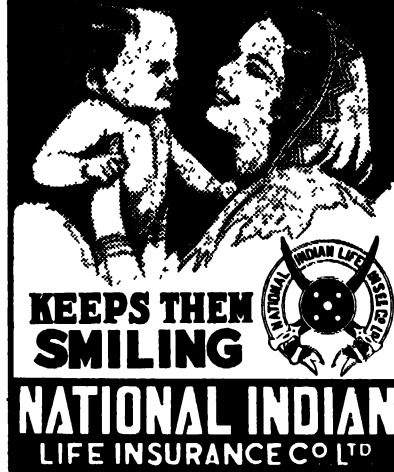
NATIONAL GRAMOPHONE RECORD MANUFACTURING CO., LTD., THE, 110, Meadows Street, Fort. Manufacturers of Gramophone Records. Also undertake Pressing & Processing Records from Master Disc under Customer's Own labels. Phone Nos.:—Office: 25181; Factory: 60380. Grams: "Tansen."

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National India Engineering Co. Ltd., Mechanical & Electrical Engineers, 7-10, Elphinstone Circle, Fort.

National Industries of India, Dealers in all sorts of Minerals, Sambava Chambers, Sir Phirozshah Mehta Road, Fort.

Gur Policy



ESTD. 1906 (CALCUTTA)

Bombay Branch:

NATIONAL INDIAN INSURANCE BLDG.,
KALA GHODA, FORT, BOMBAY.

Branch Manager: N. L. AMIN

Phone: 27609 Grams: "NATINDIAN"

NATIONAL INSURANCE COMPANY OF NEW ZEALAND, LTD., THE, Hongkong Bank Building, 16, Viceroy Road, Fort. Tel. Address: "Diago". Post Box No. 1910. Phone No. 22034 (3 lines). **Manager:** C. R. C. Gardiner, O.B.E., J.P. **Assistants:** S. W. J. Holt, D. S. Balvally, I. P. Puthakay, P. Pitcher, R. R. Smith, R. C. Katarak, D. H. Karani

National Insurance Co., Ltd., Life & General Insurance. (Bombay Branch), National Insurance Building, 201, Hornby Road, Fort.

National Leather Industries, Manufacturers of superior quality Pickers, 105, Sir Vitthaladas Chambers, Apollo Street, Fort.

Nations Livestock Co., Vakola Bridge, Military Road, Santa Cruz (East), Bombay 25.

NATIONAL MACHINERY MANUFACTURERS LTD., Kalwe, Thana. Tel. No. 875-75. Manufacturers of Textile Spinning Machinery.

National Mutual Life Association of Australasia, Ltd., Mehta House, Apollo Street, Fort.

National Optical Co., Royal Navy Contractors, 71, Mahatma Gandhi Road, Fort.

National Plastics, Manufacturers and Marketers of Everything in Plastic. Manu Mansion, 16, Old Custom House Road, Fort, Bombay.

National Plastic & Allied Industries Ltd., Kitab Mahal, Hornby Road, Fort. Manufacturers of Plastic Goods.

NATIONAL SALES & SERVICES LTD., Manufacturers' Representatives. 12, Rampart Row, Fort. Post Box No. 1452. Distributors in Western & Central India for Lederle Pharmaceuticals, Maltbie Pharmaceuticals, Morton Confectionery, Kesavardhini Products, Raja Toilet Products and Barlova Ltd., Hyde, Cheshire.

National Steel Equipment Co., Manufacturers of steel furnitures, Naigaum Road, Dadar, Bombay 14.

National Steel Works Ltd., Steel Re-Rollers, Structural Engineers and Fabricators. Importers & Exporters, Ground Floor, Lakshmi Building, Sir Phirozshah Mehta Road, Fort, Bombay.

National Steamship Co., Bombay Mutual Building, 293, Hornby Road, Fort, Bombay.

NATIONAL STORES, Wine and General Merchants. Sitaram Buildings, Crawford Market, Bombay. Phone No. 24221. Grams: "Avija."

National Traders, Importers of Oil Engines, Pumps. Advani Chambers, Sir Phirozshah Mehta Road, Fort

NATIONAL UNDERWRITERS, Life, Fire, Marine, Accident and all other classes of Insurance. Partners: M. S. Sanjiva Rao and M. D. Lohkar. Devkaran Nanjee Building, 17, Horniman Circle, Fort. Phone No. 26927. Tel. Address: "Covernote."

NATIONAL TRANSPORT CO.

Proprietors :
KANAYALAL & CO.
Customs Licensed Clearing,
Forwarding & Shipping Agents.
Storage and Transport
Facilities Available.

63, Bombay Mutual Bldg.,
Sir Phirozshah Mehta Rd.,
Fort, Bombay. Post Box
No. 624, Bombay 1.

Telephone Nos.

Office : 33529.

Customs : 20804.

Godown : 28866.

Residence : 27481.

Tel. Address:

"KEYBOARD."

National Wire Head Works Ltd., Manufacturers of Wire Heads, Lakshmi Bldg., Sir Phirozshah Mehta Road, Fort, Bombay. Phone : 21746.

Natwarlal & Co., 361, Hornby Road, Fort. Phone : 23222.

Navlakhi, J. V., & Co., Stationers, Kanta Terrace, 533, Kalbadevi Road, Bombay 2.

Navros A. Davar & Co., Motilal Wadia House, 118-120, Parel Bazar Street, Fort.

Nazarali Vallbhoy Naterwalla, Cane & Cane Basket Merchants, 58, Dharamsey Street, Bombay 3.

NEAR EAST TRADING CO. (INDIA), 32, Apollo Street, Fort. Phone Nos.: 33407 & 32627. Tel. Address: "WIDE-SPREAD."

NENSEI MONJI, Contractor, Stone and Sand Supplier, Parel Tank Road, Bombay.

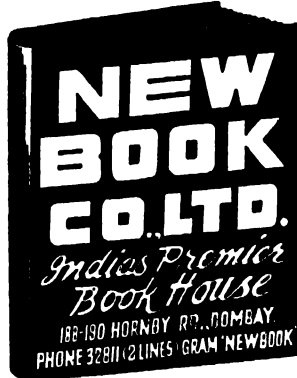
Head Office ..	Tel. 32354.
Bholwada Quarry ..	" 61150.
Sand Dept. ..	" 40186.
Kurla Quarry ..	" 86158.

Telegrams: "Stonesand."

Neptune Assurance Co., Ltd., The, Transacting Life, Fire and Miscellaneous Insurance, 104, Apollo Street, Fort, Bombay. Phone Nos. 26258 & 26259.

NEPTUNE TRADERS, Machinery Merchants, Cama Building, 21/26, Dalal Street, Fort. Phone : 23166. Grams: "Immortal."

Nestle's Products (India) Ltd., Kaiser-I-Hind Building, Currimbhoy Road, Ballard Estate. Tel. Address: "Nes(brand)." Telephone No. 20316. P.O. Box No. 315.



New Cheap Jack No. 5, Proprietors: G. Mahomedalli & Co., Shop No. 5, Crawford Market. Dealers in Oilman Stores, Provision and Household Requisites.

NEW CONSOLIDATED CONSTRUCTION CO., LTD., Engineers and Contractors. Rahimtoola House, Homji Street, Fort, Bombay. Phone: 30154. Grams: "Projecte." Chairman: A. A. Jandevala. General Manager: K. Z. Gandhi.

New Crescent Engineering Corporation, Engineers & Iron Founders. Office: 134, Meadows Street, Fort. Works: Dhaku Prabhu Wadi, Ghorupdeo, Bombay 10.

New Cholera Shipping and Trading Co., Ltd., Bombay Mutual Building, 293, Hornby Road, Fort, Bombay. Phone: 28443.

New Eastern Merchandise, Manufacturers of all kinds of Neutral Glass Ampoules, Tablet-Tubes, Test-Tubes & Apparatus, etc., Jan Mansion, Sir Phirozshah Mehta Road, Fort.

New Electric Trading Co., Dealers in Electric Goods. 64, Lohar Chawl, Bombay 2.

New Era Agencies Ltd., Chemicals Importers & Stockists, Kaman Chambers, 32, Nicol Road, Ballard Estate. Phone: 30907.

New Era Furnishing & Decorating Co., The, Furniture Manufacturers and Dealers, Lamington Road, opp. Agripada Police Station, Bombay 11.

New Era Paint Works, Building, Painting Contractors and makers of Industrial & Decorative Air-Dry Crinkle Finishes, Synthetic Hard Enamels, Glossy Oil

Paint, Ready mixed Oil Paints, Flat Washable Oil Bound Distempers, Varnishes, Oils, Dry Colours, etc. Opp. Byculla Station, Byculla, Bombay 27. Tel. Address: "Newera." Phone No. 40097.

New Era Warehousing Co., Ltd., Warehousemen, Clearing, forwarding Shipping and Commission Agents, Dev Karan Nanjee Bldg., 17-B, Horniman Circle, Fort, Bombay 1. Chairman: N. C. Khorana, J.P.

NEW ERA STATIONERY STORES, THE, Stationers, Painters & Paper Merchants. 25-B, 119, Parsee Bazar Street, Fort. Phone : 27636. Grams: "PAPERDOM".

New Era Steel Co., Dealers in all kinds of Steel and Machine Tools, 75, Zaveri Bazar, Bombay 2.

New Era Trading Company, Hardware, Mill Gin Stores Suppliers, 159, Nagdevi Street, Bombay 3.

NEWGREAT INSURANCE CO. OF INDIA LTD., THE, Principal Office in the Union of India at 45-47, Apollo Street, Fort.

Paid-up Capital Rs. 20,00,000

Chairman.—Tulsidas Khaschand.

General Manager.—M. G. Mody.

Business Transacted.—Life, Fire, Marine, Accident and Miscellaneous Insurance.

Branches at: Ahmedabad Amritsar, Belgaum Bhavnagar, Calcutta, Calicut, Chittagong, Coimbatore, Cochin, Colombo, Delhi, Hyderabad (Dn.), Indore, Jalgaon, Karachi, Lucknow, Madras, Mangalore, Nagpur, Nairobi, Poona, Surat and Vijayawada.

Representatives at: Alexandria, Amsterdam, Brussels, Beyrouth, Colombo, Damascus, Kampala, London and Rotterdam.

NEW HAMPSHIRE FIRE INSURANCE CO. OF MANCHESTER, NEW HAMPSHIRE, United India Building, Sir Phirozshah Mehta Road, Fort, Bombay. Grams: "AMINTIND." Manager for India, A. J. Shah.

New India Arms and Ammunitions Stores, Dealers in Arms and Ammunitions, C/o Evans Fraser & Co. Ltd., Fort House, Hornby Road, Fort. P.B. No. 781.

NEW INDIA ASSURANCE CO., LTD.

Head Office: Bombay, New India Building, Mahatma Gandhi Road, Fort. P.B. No. 969. Phone: 30012. Grams: "Niasurance".

Board of Directors:

A. D. Shroff (Chairman).

J. R. D. Tata (Vice-Chairman).

Ambalal Sarabhai.

Ramulwas Ramnarain.

Dinsha K. Daji.

Kasturbhai Lalbhai.

Jayantilal R. Mehta (Life Policyholders Director).

Sir V. N. Chandavarkar, Kt. (Life Policyholders Director).

N. K. Patigara (Life Policyholders Director).

Bhagwandas C. Mehta.

J. D. Choksl.

General Manager: B. K. Shah, F.I.A.

Deputy General Manager: T. K. Desai.

Managers: F. X. Colaco; P. V. Krishnamurthy, F.I.A.; V. H. Vora, F.I.A.

Deputy Managers: P. A. Advani; M. N. Choksl.

Authorised Capital .. Rs. 8,00,00,000
Subscribed Capital .. " 5,34,07,950
Paid-up Capital .. " 1,00,81,500

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Indian Branches.

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Madras, 4-5, First Line Beach, P.O. Box 270

New Delhi, 76, Queensway, P.O. Box 46.

And Also at: Ambala, Agra, Ahmedabad, Allahabad, Banaras, Bareilly, Baroda, Bangalore, Cochin, Hyderabad, Indore, Jamshedpur, Jampur, Kanpur, Kakinada, Lucknow, Meerut, Mathura, Nagpur, Patna, Poona, Rajkot, Shillong, Surat, Sangli, Tiruchirappalli, Vijayawada.

Overseas Branches: Karachi, Nairobi, Cairo, Gibraltar, Tanager, Lagos, Dacca, Rangoon, Singapore, Bangkok, Hongkong, Tokyo.

London Agents. Messrs. Sedgwick Collins (Agents) Ltd., Regis House, 43-46, King William Street, London E.C. 4.

NEW INDIA CORPORATION, Gool Mansions, Homji Street, Fort, Bombay 1. Phone No. 33440. Grams: "Nulind-corp." Sole Agents for CARL-PLATZ, Germany for Agricultural Sprayers and Dusters, Insecticides & Fungicides and other Plant Protection Requisites. Dealers in all kinds of machinery. Branch: Ensign Engineering Corporation, 117, Armenian Street, Madras 1.

New India Hardware Mart, Shipchanders, Mill Stores Suppliers, 152, Narayan Dhuru Street, Bombay 3. Phone: 24166, Grams: "FREETRADE"

NEW INDIA MOSAIC AND MARBLE CO., LTD., Brabourne Stadium, (North), Churchgate, Fort, Bombay 1. Manufacturers of "NIMMO" plain cement and marble mosaic flooring Tiles in wide range of Patterns and attractive Colours. Suppliers of finished marble of the finest quality and in varieties of colours. Also undertaking marble works of every description. **Factory.** Industrial Estates, Lalbaug, Bombay 12. Grams: Nimm-cottile." Phone: 41773.

NEW INDIA TRADING CO., 46, Churchgate Street, Bombay 1. Cable: "Rastl." Direct Importers and Representatives of Incandescent Lamps, Lanterns, Mantles, Stoves and Parts, Plastic Goods, Glass and Enamelware, Miscellaneous Hardware and Tools, Cutlery, Buttons of all sorts, Cycles and accessories.

New India Trading Corporation, Importers & Dealers in Electrical Goods & Machinery and also General Exporters. Vithal Sayana Building No. 2, Lohar Chawl, Bombay 2.

NEW JACK PRINTING WORKS LTD., Letter Press and Offset Printers, Seksaria Mills Compound, Globe Mills' Passage, off DeLisle Road, Bombay 13. Phone Nos. 60042-43. Grams: "Newjakpres."

New Kaiser-I-Hind Spg. & Wvg. Co., Ltd., J. K. Building, Dougall Road, Ballard Estate. Mill: Gorpudeo Road. Telephones: Office—32031, 32, 33, 34 Mill: 40844, 44303.

New Lord & Co., Tailors, Outfitters and Government Contractors, Royal Terrace, 55, Wodehouse Road, Colaba, Bombay 6.

New Metro Insurance Co., Ltd., The Underwriters: Life and Marine. Jan Mansion, Sir Phiroozshah Mehta Road, Fort, Bombay.

New Photoplay Co., 231, Hornby Road, Fort, Bombay.

New Popular Cycle Mart, Direct Importers of Cycles and Accessories, 387, Kalbadevi Road, Bombay 2.

New Reliance Trading Co. (Bombay) Ltd., 12, Noble Chambers, Parsee Bazar Street, Fort. Sole Agents for: "Adana" Printing Machines (Ltd.), and Spitfire High Speed Steel.

NEW STANDARD CHEMICALS CO., LTD., (Kstd. 1916).—Importers, Wholesale Dealers and Stockists of Textile Dyes, Industrial Chemicals and Sizing Materials. Suppliers to Railways, Government Departments and Mills. 281, Samuel Street, Vagdadi, Bombay 3. Tel. Address: "Particular." Phone Nos. 32469, 23844, 86510. **Managing Directors:** Harilal Naranji and Keshavlal Naranji Bhatt. **Secretary:** Jayantilal S. Rajyagor, B.Com. Branch: Kasturba Gandhi Road, Kanpur, Phone: 2858.

New Standard Engineering Co. Ltd., Manufacturing Engineers, Carroll Road, Bombay 13.

NEW SURGICAL TRADING CO., THE, Direct Importers and Manufacturers' Representatives. Bulakhidas Building, Mangaldas Road, Princess Street, P. O. Box 2321, Bombay 2. Telegraphic Address: "Coworker." Phone No. 26880. Dealers in Surgical Instruments, Sutures and Ligatures, Rubber goods, Surgical and Laboratory Glassware. Hospital Enamelware, Laboratory Porcelainware and Suppliers of Hospital Aseptic Furniture. Proprietor: C. J. Patel.

NEW TRINITY METAL WORKS LTD., Manufacturers of Tin Containers of all sizes, Shapes & Varieties, 39-43, Neshit Road, Mazagaon, Bombay 10. Tel. Address: "METACAN" Telephone No. 41900.

New United Construction & Engineering Co., Ltd., Industrial Assurance Building, Churchgate, Bombay 1. Phones: 30325-26.

NEW ZEALAND INSURANCE CO., LTD., THE, Hongkong Bank Building, 16, Vir Nariman Road, Fort. Tel. Address:—"Newsico." Post Box No. 126. Phone No. 22034 (3 lines). **Manager—C. R. C. Gardiner, O.B.E., J.P. Assistants—S. W. J. Holt, D. S. Balvally, T. P. Panthakey, F. Pitcher, R. K. Smith, R. C. Katrak, D. H. Karani.**

Nicolls & Company, Typewriter Experts (a complete line of Typewriter business), Kermani Building, above D. Macropolo's, Hornby Road, Fort. Telegraphic Address: "Typeexpert." Telephone No. 21223.

Nigam Brothers, 345, Kalbadevi Road, Bombay 2.

Nikolai Corporation, Exporters, Importers & Manufacturers' Representatives, 56-58, Mirza Street, Bombay 3.

Ninad (Advertising) Ltd., 45-47, Princess Street, Bombay 2. Suppliers of Advertising Enamel Signs and Advertisers on all Indian Railways.

Nitin Industries, Manufacturers of "Nitin Brand" Tin & Aluminium Everhot Tiffin Carriers, etc., 43, Radasiy Cross Lane, Kandewadi, Girgaum, Bombay 4.

N. Jamnadas & Co., Freight Brokers and Travel Agents, 16, Bank Street, Fort.

Noble Trading Co., Manufacturers of Presentation Articles, Kermani Building, Sir Phiroozshah Mehta Road, Fort.

Non-Ferrous Metal Refinery, The, 24, Sitafalwadi, New Anjirwadi, Mount Road, Mazagaon, Bombay 10. Phone: 24958. Grams: "Nometry." Manufacturers of White Bearing Metals, Tin Solders, Type Metals, etc. Lead Scales and Zinc Boiler Plates made to any desired size.

North British & Mercantile Insurance Co., Ltd., Macmillan Building, 276, Dadabhai Naoroji Road, Fort. Local Manager—R. W. Cole. Asst.—H. A. Lambert. Tel. Address: "Norbrit." Phone No. 24404.

North China Insurance Co., Ltd., Hongkong Bank Building, Churchgate Street, Fort. Tel. Address: "Unionist." Phone No. 24870. Post Box No. 407.

Norton & Gregory Ltd. (London), Manufacturers of Drawing Office Requisites. Office of the Representative: India and Pakistan, 'Commerce House', Currimbhoy Road, Ballard Estate.

NORWICH UNION FIRE INSURANCE SOCIETY, LTD., 16, Bank Street, Fort, Bombay. **Branch Manager:** J. S. R. Spelman. **Assistant:** D. Herbert. Telegraphic Address: "Nufam." Telephone: 26561.

NORWICH UNION LIFE INSURANCE SOCIETY, 16, Bank Street, Bombay 1. Manager for the East—J. S. R. Spelman. Asst. Manager for the East—A. L. Kerridge. Telegraphic Address: "Norlife." Telephone: 26561.

NOVELTIES, THE (Bombay Automobiles), Hughes Road, Bombay. Phone No. 41448. Dealers in Watches, Light Fittings, and other presentation articles.

Novelty Leather Works, Manufacturers of Leather and Plastic Goods, Shri Krishna Nivas, New Silk Bazar, Kalbadevi Road.

NOWROJI N. VAKIL & CO., "Sharu Castle," Mohamedali Road, Bombay 3. Stoneware, Drainage Pipes, fire bricks, Refractoryware, Sanitaryware, etc.

NUSERVANJI, RUTTONJI NAZIR & SONS, Coal Merchants, Stevedores, Landing, Clearing, Bunkering Contractors, 5, Hamam Street, Fort. Phone Nos: Office—22312 and 32359. Coal Bunder. 40933—Res.: 41092.

Nutex (India) Ltd., Manufacturers and Dealers in Bottles (made to order or from stock), Corks, Caps & Doubleface Corrugated Boxes and Dealers in Packing Papers. Devkaran Mansion, Block No. 1, 2nd Floor, Princess Street, Bombay 2. Grams: "Nutilite."

OCCIDENTAL TRADING CO., LTD., 16, Apollo Street, Fort. Manufacturers' Representatives.

Sole Agents for:—

Bartoline (Hull) Ltd., Hull.

S. Gibson & Sons Ltd., Bramley.

Humber Oil Co., Hull.

Llangollen Tanning Co., Ltd., Maesmor Mills, Llangollen (N. Wales.)

Tel. Address: "Represent."

Phone No. 27108.

P. O. Box No. 776, Bombay 1.

Ocean Marine Insurance Co. Ltd., Macmillan Building, 276, Hornby Road, Fort.

Odhavji, B., & Co., Iron, Steel and Hardware Merchants, Government & Railway Contractors, Carnac Bunder, Bombay 9.

Odhavji Devidas & Co., Chemicals & Colour Merchants, 387, Vakil Building, Samuel Street, Bombay 3.

Oilseeds Trading Co., Ltd., The, Currimjee Building, 111, Mahatma Gandhi Road, Fort, Bombay 1. Phone No. 26097. Tel. Address: "Raytrade." Exporters of all kinds of Oilseeds, Oils, Oil Cakes, Spices and Grains.

Names of Directors:—

Ratlil Mulji Gandhi, M.I.C.; Nagaradas Ranchhodas Sangvi; Babubhai Manji Sangvi.

Oliver, F. P., & Co., Ltd., Agents, Import and Export Merchants, 32, Apollo Street, Fort, Bombay 1. Post Box No. 50. Phone No. 22715. Tel. Address: "Australis."

One Stop Service Stations Co., Motor Tyres & Accessories, Swadeshi Mills Compound, New Queen's Road, Bombay 4.

Onlooker, The (A. MacRae & Co., Ltd.), United India Building, Sir Phirozshah Mehta Road, Fort.

OOMERSEE KESOWJEE & COMPANY, Established 1875. Importers, Exporters & Yarn Merchants, General Merchants, Insurance & Shipping Agents. Post Box No. 1, Bombay. Head Office: Camp Bazar, Cannanore, South India. Branches: "Barter," Bombay; "Kanarya," Cannanore.

Oomrigar, D. C., & Co., Ltd., Wine & Spirit Merchants, 354, Abdul Rehman Street, opp. Crawford Market, Bombay 3.

Oplil, The Oriental Pharmaceutical Industries, Ltd., Manufacturers of Chemicals and Pharmaceuticals. 64/66, Tulsi Pipe Road, Mahim, Bombay 16.

ORIENT CORPORATION LTD., General Importers and Exporters of oils and oilseeds, Textiles, Scraps and ores, Bombay Mutual Annex, Gunbow Street, Fort. Phone: 21920.

Orient Drug Agency, Pharmaceuticals & Scientific apparatus Suppliers, Devkaran Mansion, Princess Street, Bombay 2.

Orient Longmans Ltd., Publishers, Indian Mercantile Chambers, Nicol Road, Ballard Estate, Bombay. Offices at Calcutta & Madras.

N. B. Cooper, Manager; G. D. Sthalekar, Asst. Manager. Tel. Address: "Longmans." Phone No. 20601.

Orient Travel Agency (India), 12, Rampart Row, Fort, Bombay. Phone: 34999. Grams: "Otalind." Licensed clearing & Shipping Agents.

ORIENTAL CHEMICAL INDUSTRIES, Manufacturing Medicines, Toilets, Soaps, Phenyle, Vinegar, Syrups, Insecticides, etc., 256-260, Arthur Road, Jacob Circle, Bombay 11.

ORIENTAL FIRE AND GENERAL INSURANCE COMPANY LIMITED, (Incorporated in India, 1947), Oriental Buildings, Bombay 1. Telephone No. 38021. Manager: F. Bloor.

ORIENTAL GOVERNMENT SECURITY LIFE ASSURANCE CO., LTD., Oriental Buildings, P.O. Box No. 148 (Established 1874). Manager—L. S. Vaidyanathan, M.A., F.I.A., F.S.S., J.P. Actuary—K. R. Brinivasan, B.Com., F.I.A. Secretary & Chief Accountant—D. P. Guddar, F.C.A., A.C.A. (Eng.), F.C.C.S., A.I.C.W.A. Dy. Actuary—S. N. Vaidya, B.Com., F.I.A. Agency Manager—D. S. Mehta, B.Com. Tel. Address: "Oriental," Bombay.

Oriental Import & Export Agency, Importers, Exporters and Manufacturers' Representatives, 52, Shrikrishna Nivas, New Silk Bazar, Kalbadevi Road, Bombay No. 2. Phone: 28642.

Oriental Industries Ltd. (Inc. in England), Importers & Exporters, 381, Hornby Road, Fort.

Oriental Languages Bureau, Lakshmi Building, Sir Phirozshah Mehta Road, Bombay.

ORIENTAL METAL PRESSING WORKS, Behind Post Office, Worli, Bombay 18. The biggest pressworks in Western India. Undertake all kinds of presswork in Mild Steel, Stainless Steel, Tin Sheets, Aluminium, Brass, Copper, Electrical materials, casting and machining. (Stainless Steel Tanks, Household Utensils, Hospital Wares and Laboratory requisites a speciality). Tel. Address: "Hollowware." Phone No. 73401 (Two Lines).

Oriental Textiles & Engineering Works, Specialists in Casting Machine Parts, 2nd Kumbharwada Lane, Bombay 4.

ORMERODS (INDIA), LTD., Bank of Baroda Building, Apollo Street, Fort. Post Box No. 410, Bombay. Codes used:—A.B.C. 5th and 6th Editions, Bentley's "Second" and Complete Phrase and Private. Tel. Address: "Ramshead," Bombay. Phone Nos. 27077-78 (2 lines).

OSBORN (INDIA) LTD., SAMUEL, Elphinstone Building, Veer Nariman Road, Post Box No. 1425. Telegram: "Osborn," Bombay. Phone Nos. 27091 & 26684 (3 lines). Warehouse:—80, Reay Road, Tank Bunder. Phone No. 40586.

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Bell's Asbestos & Engineering Ltd., Slough, England—Manufacturers of all forms of applied Asbestos including Packings, Jointings, Insulating Materials, etc., also of Valves for all steam, hydraulic uses, etc.

G. D. Peters & Co., Ltd., Slough, England—Welding Electrodes, Plant and Accessories, Air Brakes, Power-operated door equipment.

The Consolidated Brake and Engineering Co., Ltd.—Vacuum brakes for rolling stock.

British Trolley, Track Co. Ltd., London—"Cobourn" Sliding Door Gear.

George Turton Platts & Co., Ltd., Sheffield.—Railway Buffers, Springs, Rail Keys, Rail Anchors, etc.

H. Lees & Sons Ltd., Ashton-Under-Lyne—Bright Drawn Steel Bars, Yorkshire Iron.

John Baker & Bessemer Ltd., Rotherham—Railway Tyres, Wheels, Axles, etc.

L. M. Van Moppes & Sons, Wolverton Hall, North Porsore, Worcestershire, England—Industrial Diamonds and Diamond Tools.

Joseph Woodhouse (Chains) Ltd., Cradley Heath, England—Crane Mining and Pulley Block Chains, Chains, etc.

William Fearnough Ltd., Sheffield—Shear Blades, Machine Knives, etc.

Amalgams Ltd., Sheffield—Case Hardening Compound.

Secretaries—Gillanders Arbuthnot & Co., Ltd.

Codes used—Bentley's & Private. Director & Manager—C. D. P. Hume.

THE OSLER ELECTRIC LAMP MFG. CO., LTD.

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Head Office and Factory:

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Corresponding Company:

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DEVELOPMENT CO. LTD.
101, Leadenhall Street,
London, E.C. 3.**

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"OSLAMPs", Bombay.

Telephone: -41970.

General Manager—Mr. R. Barrie.

OSLER, F. & C. (INDIA), LTD., Electrical Engineers and Automotive Service Agents. Head Office at Calcutta. Local Office and Showroom at New Queen's Road. Branches at Delhi, Madras, Kanpur, Ahmedabad and Gauhati.

Electrical Department: Agents for Osler & Faraday's Electrical Light Fittings; W. T. Glover & Co.'s Cables and Wires; Midland Elec. Mfg. Co.'s M.E.M. Switch Gear; Ilg. Elec. Vent Co.'s Exhaust and Ventilating Fans; Lee How's Pumping Machinery; Hall & Pickles Resistance Wires; George Elkion's Switch Gear; Tufuol Ltd.'s Insulating Material; Service Elec. Co.'s Syrens and Blowers; Wardle Eng. Co.'s Elec. Light Fittings; Rotunds Ltd.'s Black Adhesive Insul. Tape; Micalac Co.'s Micamab Varnish; Keys Mastic Insulating Varnish; Premier Electric Co.'s Heaters & Electrical Appliances; Heatrac Ltd.'s Heating Appliances. Edward MacBean & Co.'s Varnished Insulating Materials.

Automotive Department: Agents for The Chloride and Exide Batteries (Eastern) Ltd.'s Batteries; Carter Carburetor Co.'s Carburetors & Tools; Hoover Ball & Roller Bearings; Autopulse Electric Fuel Pumps; Blue Crown Husky Spark Plugs; Amoco Brakelining, Clutch Facings, Fan Belts, Radiator Hose, Automotive Hose, Car Mats, Rivets, Brake Service Equipment; Genuine P. & D. Ignition Parts; Borgwarner Service Springs, Clutches, Silent & Metal Timing Gears, Timing Chain Sprockets, King Pin Kits and Sets, Heavy Duty Hydraulic Jacks, Warner Axle Shafts, Ring Gears & Pinions, Differential Cases & Internal

Parts; Allied Piston Pins and Boss Bushings; Water Pumps, Pump Parts; Allied Precision Piston Pins; Allied Raymond Valve Springs; Allied Wisconsin Pistons, Cylinder Sleeves, Cylinder Sleeve Assemblies; Sterling Aluminum Pistons, Burd Piston Rings; Morse Automotive Timing Chains; Mechanics Original Equipment Roller Bearing, Universal Joints & Parts; Peck Gaskets; A. P. Mufflers, K. & W. Car Service Products; O.T.C. Service Tools; Weaver Garage Equipment; Weidenhoff Testing Equipment.

Telegrams: "Oslarco."

Telephone: 26224 (3 Lines).

OVERSEAS ASSURANCE CORPORATION LTD., THE, Hongkong Bank Building, 10, Veer Nariman Road, Fort. Tel. Address: "NEWZICO." Post Box 125. Phone: 22031 (3 Lines). Attorney—C. R. C. Gardiner, O.B.E., J.P., Assistants—S. W. J. Hoit, D. S. Balvaly, T. P. Panthakey, F. Pitcher, R. R. Smith, R. C. Katrak, D. H. Karani.

OVERSEAS COMMERCIAL CORPORATION,

Importers, Exporters, Manufacturers' Representatives, Dealers in Mill Store Supplies, Machinery, Paints and Distempers, Hosiery and Textiles. Kitab Mahal, 4th Floor, Hornby Road, Fort, Bombay. Grams: "Overcome."

OVERSEAS TRADING CO. (Estd. 1906), Licensed Clearing & Shipping Agents, Advani Chambers, Sir Phirozshah Mehta Road, Fort, Bombay. Phone: 25725. Grams: "Vaservice."

Overseas Trading Corporation, Nusser House, opp. Roxy Talkies, New Queen's Road, Bombay.

OXFORD UNIVERSITY PRESS, Publishers, Oxford House, Apollo Bunder, Bombay 1; Bharat Insurance Building, Mount Road, Madras; Mercantile Buildings, Lal Bazar, Calcutta and London, Amen House, Warwick Square, E.C.4.

Sole Agents in India for:—George G. Harrap & Co., Ltd., The University Tutorial Press Ltd., American University Presses, Ginn & Co.'s *Beacon Readers*, English Workbooks and English to-day, The British Council's *British Medical Bulletin*.

General Manager in India:—R. E. Hawkins, M.A. (Oxon.).

Tel. Address: "Oxonian," Bombay, Madras and Calcutta.

Bombay Phones: 35393, 36174. Post Box 31.

OXY-CHLORIDE FLOORING PRODUCTS LTD., Manufacturers of "Elephant" & "Stonette" brands jointless flooring composition suppliers to Mills and Railways in India. Office:—Arthur Bunder, Colaba, Bombay 5. Phone No. 35571. Grams: "Stonette".

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Podar Mills Ltd., Podar Chambers, Parsi Bazar Street, Fort. Mills at DeLisle Road. Grams: "Podargirni".

Podar Sons Ltd., Industrialists, Podar Chambers, Parsi Bazar Street, Fort.

Podar Trading Co., Ltd., Cotton Merchants, Exporters and Importers, Podar Chambers, Parsi Bazar Street, Fort.

Poddar, A. M., & Co., Ltd., Importers, Exporters, Bankers, Financiers, 32, Rampart Row, Fort, Bombay.

Polish Ocean Lines, Bharat Insurance Building, 15/A, Elphinstone Circle, P.O. Box No. 559, Bombay 1. Head Office: 24, 10, Lutego, Gdynia, Poland. London Office: Gdynia-America Shipping Lines (London). Branches & Agencies throughout the World. Authorized Representative: Mr. S. Sluckin, Assistant (Freight & General): Mr. V. Y. Smith, Assistant (Passage Section): Mrs. A. David. Phone Nos. 20040 & 31066. Grams: "Pollines," Bombay.

POLLACK & CO., F. W., Importers & Exporters of Essential Oils, Industrial Fine, Aromatic & Pharmaceutical Chemicals, Textiles & Plastics, 11, Oak Lane, Fort, Bombay. Phone: 21420. Grams: "Polcompany".

Polson Limited, 65B, Dockyard Road, Mazgaon, P.O. Box No. 367, Bombay 1. Branches: Calcutta and Madras. Managing Agents: Polson Agencies Ltd. Butter & Casein Factory: Polson Model Dairy, Anand and Khagaul. Coffee Factory: Mazgaon, Bombay. Gift and Local Sales Bureau: No. 237, Frere Road, opp. G.P.O., Bombay. London Agents: Levotus Ltd. Grams: "Polson".

POONAGER BILIMORIA & CO., Architects, Civil Engineers, Surveyors, Appraisers, Adjusters for Insurance Coys. and Rating Surveyors & Valuers, 24-26, Cama Bldg., Dalai Street, Fort. Phone No. 23625.

POONJIAJEE, J. M., JEHangir, J. P., Fruit Farm Products, Manufacturers and Exporters of Genuine Mango Chutnies, Madras Curry Powder & Pasto, Fruit Squashes, Syrups, Cordials, Jams, Jellies and Marmalades, Spices, Condiments, Pickles, Bombay Ducks & Pappadoms, etc., Exporters of Pleece-goods, Yarn, Sugar, Salt. Byramji Mansion, Sir Phirozshah Mehta Road, P.O. Box No. 20, Fort, Bombay. Phone: 20120.

POONJIAJEE, M. M., & CO., Manufacturers and Exporters of "Ship Brand" Indian Condiments, 40-42, First Marine Street, Dhobi Talao. Telegraphic Address: "Preserve." Codes used—A.B.C. 6th, Bentley's and Private. Telephone No. 22412.

Popular Camera Co., Nawab Building, 327, Hornby Road, Fort. Dealers in Cameras, Roll Films, Albums, etc.

Popular Electric & General Stores, Wholesale and Retail Dealers in Everything Electrical, 414, Hararwalla Building, Golpitha Corner, Bombay 4.

Popular Pharmacy (Regd.) (Prop., Kalbag Ltd.), Dispensing Chemists, Dhun Building, Lamington Road, Grant Road, Bombay No. 7. Phone No. 71884. Branches at:—Sandhurst Road, Girgaum, Bombay 4 and Ranade Road, Dadar (Western Kly.). Phone: 60410.

POPULAR SOLA HAT WORKS, Manufacturers of all kinds of Sola Hats, Helmets, Caps, Readymade Garments, Waterproof Raincoats, and Leather Suitcases. Importers, Exporters, Government Contractors, Civilian and Municipality

Suppliers. Baria Building, opp. Crawford Market, Bombay 3. Phone: 30215. Grams: "Popularhat." Bankers: Central Bank of India.

Powells, Ltd., Head Office and Show-room: Lamington Road, Bombay 4.

Manufacturers of Surgical, Dental and Veterinary Instruments, Hospital Steel Furniture, Invalids Furniture, Artificial Limbs, Orthopaedic Appliances.

Manufacturing Chemists and Wholesale Drug Merchants.

Managing Agents: Nair, Venkatesao & Co. Tel. Address:—"Deformity", Bombay. Phone: 70547 (Two Lines).

Power Equipment & Machine Tools Co., Machinery Importers, 7-A, Dean Lane, Fort, Bombay.

Power Machines Corporation, Importers of Machinery & Oil Engines, 31, Forbes Street, Fort, Bombay.

Powercrafters, Engineers, 31, Queen's Road, Bombay 4.

POWERS SAMAS ACCOUNTING MACHINES (Sales) LTD., "Khetan Bhawan", 108, J. Tata Road, Churchgate. Maintenance Department: "Ewart House", Bruce Street, Fort. P.O. Box 600, Bombay. Phone No. 24567. Tel. Address: "Powsamas". The All British Accounting Machines.

Prabha, & Co., V., Printers, Stationers, Book-binders & Die-Sinkers, 476, Sandhurst Road, Bombay 4.

Prabhakar Brothers, Dealers in Photographic Materials and Fountain-pens. Undertake Amateurs Developing, Printing, Enlarging Works, and Camera Repairs, 105, Mahatma Gandhi Road, Fort.

Proprietor:—Shrinivasrao Wamanrao Dukle. Telegraphic Address: "Photomart." Phone No. 24899, Bombay.

Prabhat Products Co., Manufacturers of Gas Mantles, Lanterns and Accessories, Noble Chambers, Parsi Bazar Street, Fort, Bombay.

Prabhat Watch Co., Parthana Samaj Corner, Bombay 4. Agents: Eberhard. Stockists of Watches & Clocks of all Makes. Repairing a Speciality.

Prabhudas & Co., Importers of Surgical & Scientific Goods, 255/3C, Mangaldas Road, Bombay 2.

PRABHULAL L. PANDYA & CO., Salt Freight and Chartering Brokers, Steamships Agents and Stevedores, 11, Bank Street, Fort, Bombay. Phone: 21394. Grams: "Prapandya." Branches: Okha and Jamnagar.

Prasfullchandra & Co., Electrical Goods & Engineering Tools Merchants, Esmail Building, Lohar Street, Bombay 2.

Prakash Brothers, Iron, Steel and Hardware Merchants, Lakshmi Building, Sir Phirozshah Mehta Road, Fort.

Pramashaw Motor Co., 420, Lamington Road, Bombay 4.

Pratap Dryfruit Stores, Direct Importers & Exporters, Wholesale & Retail Dryfruit Merchants, Cooper Building, 227, Princess Street, Bombay 2. P. B. No. 2309. Grams: "PRINES". Sole Proprietor: D. D. Kothari.

Pravinchandra Sharadkumar & Co., Mill & Gin Stores Suppliers (Textile, Woollen, Silk and Handloom power). Co-operative Insurance Building, Ground Floor (next to lift), Sir Phirozshah Mehta Road, Fort, Bombay.

Freeborn Electric Co., Yusuf Building,
Churchgate Street, Fort. Distributors of
Philips Lamps and Radios.

PREM MOTWANI, 70, Ebrahim Mansion,
366/38, Kalbadevi Road, Bombay 2.
Exporters of Cotton Piece-goods and
Sundries, Importers of Cotton and Woolen
Piece-goods, Surgical and Optical goods,
Cutlery & Hardware, Drugs, Chemical
and Dyces, Bicycles, etc. Phone: 40658.
Grams: "Throughout."

Premier Art Printing Works, Fine Art
Printers and Label Manufacturers. 17-B,
Cawasji Patel Street, Fort, Bombay.

Premier Chromate & Chemical Works
Ltd., 402, Cadell Road, Prabhadevi,
Bombay 23 Phone No. 61019. Tel.
Address: "Chromchem."

PREMIER CONSTRUCTION CO., LTD.,
Constructional Engineers and Con-
tractors. Registered Office: Con-
struction House, Ballard Estate. Chair-
man: Gulabchand Hirchand. Secretary:
B. D. Sardesai. Agents for Walchand-
nagar Industries Ltd., Sugar Manu-
facturers. Allied Companies: The
Hindustan Construction Co., Ltd., En-
gineers and Contractors. The All-India
Construction Co., Ltd., Constructional
Engineers and Specialists in Asphalt
Road Construction; The Indian Hume
Pipe Co., Ltd., Manufacturers of Hume
Concrete Pipes and Hume Steel Pipes
lined and outcoated with cement concrete
for high pressure; The Building Construc-
tion Co., Ltd., Engineers & Contractors;
Cooper Engineering Ltd., Engineers and
General Founders. Manufacturers of
Diesel Engines, Machine Tools and
Agricultural Implements; The Acme
Manufacturing Co., Ltd., Mechanical
Engineers and Founders, Manufacturers
of Building Fittings, Hardware, Railway
Sparcs, Diesel Oil Engines, etc. Phone
No. 26036 (five lines).

Premier Electric Co. Ltd., Electrical Goods
(Stockists and Dealers), Mehta House,
Apollo Street, Fort.

Premier Electro-Platers, Electroplaters &
Gilders, 105A, Mount Road, Mazagon.

Premier Furnishing & Decorating Ltd.,
Furniture & Interior Decorators, 7,
Brabourne Stadium, Churchgate Street
Extension, Fort. Phone: 34432.

Premier Glass Traders, Importers of
all kinds of Glass, Frames, Plywood,
Mounts, Glaziers' Diamonds, etc., 74/78,
Dhanji Street, Bombay 3. Grams:
"Reason." Phone: 23845.

Premier Machine Tools Co., Dealers in
Files, Engineering Tools & Machinery,
41, Bibijan Street, Bombay 3.

PREMIER OFFSET WORKS

Offset Photo Lithographers and Colour
Printers, Swadeshi Mill Property. Roxy
Cinema Compound, Bombay 4. Phone
No. 23853. Tel. Address: "Swastikmap."

Premier Traders, Agents for Dyer Mearin
Breweries Ltd., Asian Building, Nicol
Road, Ballard Estate, Bombay.

Premier Typewriter Co., 235, Hornby Road,
above Kemp & Co., Fort. Dealers in
Typewriters. Phone No. 24787.

PREMI HARIDAS & Co.

Estd. 1911

Bhanushali Chambers, 166-170,
Argyle Road, Bombay 9. Phone:
26812. Grams: "Premhari."

Exporters of:—Oil Seeds, Vegetable
Oils, Spices, Gums, Myrobalans,
Crude Drugs Cotton, Wool,
Kapk, Textiles and Sizing
Materials.

Manufacturers of:—Vegetable Oils
& Oil-cakes.

Importers of:—Grains, Pulses,
Provisions, Heavy Chemicals,
Textiles and Hardware.

PRERANA CORPORATION, Nagin Mahal,
82/82-A, 82-B, Veer Nariman Road,
Bombay. Phone No 30184, Grams:
"PAULLOMI." Importers, Exporters,
Merchants and Manufacturers' repre-
sentatives.

Imports: Textiles, Yarns, Staple Fibre,
Chemicals and Consumer goods.

Exports: Textiles, Yarns, Jute Products,
Oilseeds, Oils, Tea and Leather goods.

Sole representatives for: Diasan A. G.,
Zurich, Losone (Switzerland) Labora-
torics, Wolfs, Antwerp (Belgium).

Prasidney Life Insurance Co., Ltd.,
Mherwan Building, Sir Phirozshah Mehta
Road, Fort.

Prasidney Provident & General Insurance
Co., Ltd., Mherwan Building, Sir
Phirozshah Mehta Road, Fort, Bombay.

Press Process Studio, for Designs, Blocks,
Slides, Stereos, etc. Victoria Mills, 2nd
Floor, Gamdevi, Bombay 7.

Press Trust of India Limited (News Agency),
Pettit Building, 357, Hornby Road, Fort,
Bombay 1. London Offices 85, Fleet
Street, London, E.C.4. Grams: "Press-
trust", Bombay. Phone: 27243. A. S.
Bharatan (General Manager). Phone
Office: 27607. Residence: 27922.

Preston Printing Press, Nannabhy Chambers,
Gunbow Street, Fort.

Primera Corporation, Importers, Exporters
and Manufacturers' Representatives,
Baja Bahadur Building, 24/B, Hamam
Street, Fort, Bombay.

PRINCE, H. I., & SON, 9, Lily Court,
Churchgate Reclamation, Bombay.
Sole Proprietor: H. I. Prince; Sales
Manager: H. P. Prince; Sole Agents:
Brunsviga Maschinenwerke A. G. Braun-
schweig, Western Germany, Manufac-
turers of "Brunsviga," Adding and Calcu-
lating Machines.

Printing Materials Store, Sole Dis-
tributors: Mander Bros., Printing Inks,
89, Princess Street, Bombay.

PRITCHETT & GOLD AND E.P.S. CO.,
LTD., Manufacturers of Accumulators
of all Types. Head Office: 137, Victoria
Street, Victoria, London. Sole Agents:
Healty & Gresham Ltd., Post Box No.
225, Bombay 1. Phone Nos. 27021 &
27022.

General Manager for India: Niren N.
Ghose, J.E., D.F.E. (London), A.M.I.E.E.

Resident Engineer: W. Ward.

Sales Engineer: R. R. Karandikar.

Personal Assistant to General Manager:
Miss M. V. D. de Lima.

Produce Dealers Limited, Currimji Building,
111, Mahatma Gandhi Road, Fort, Bom-
bay. Phone: 28097. Grams: "Peanut."
Exporters of Oil Seeds, Essential Oil
Seeds, Oils, Spices, Crude Drugs, etc.

Process Glue Works, 24, Sitafalwadi,
New Anjirwadi, Mount Road, Mazagon,
Bombay 10. Manufacturers of Photo-
engraving Glues for Process Work.

Prof. Gajjar's Standard Chemical Works
Ltd., Manufacturing Chemists, New
Islam Mills Compound, Currey Road,
Bombay 13.

Progressive Corporation, Ltd., Publishers,
Publishers' Agents and Booksellers, 51,
Mahatma Gandhi Road.

PROTOS ENGINEERING CO., LTD., P.O.
Box 1642, Laxmi Building, Ballard Road,
Bombay.

Electrical & Mechanical Engineers:

Telegrams: "PROTODYN."

Head Office: Bombay.

Branches: Delhi, Calcutta, Madras.

Managing Directors: Mr F. K. Heller;
Mr. G. Wilhelm; Mr. D. N. Haskell;
Mr. H. Scharbau.

Director: Mr H. N. Kapadia.

Waterturbines, Steel Plants, Ropeways,
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Engines, Generating sets, pumping sets,
Airconditioning Plants, Locomotives, Tiles
and Bricks making Machinery, harbour
equipments.

SIEMENS, Dept., P.O. Box 6057, Thakur
Nivas Building, 173 Jamshedji Tata Road,
Churchgate, Bombay
All types electrical equipment, Thermal &
Hydro-Power Plants, Instruments, Cables,
Electrical precision machinery, Telephone
equipment of all types, Electricity Meters,
Water Meters, Electrical appliances.

Provincial Insurance Company Limited
(Fire). Gresham Assurance House, Sir
Phirozshah Mehta Road, Fort.

Provincial Motor Car Co., Ltd., New Queen's
Road, opp. Opera House, Bombay 4.

P. Shah & Co., Dealers in Furniture, Up-
holstery Materials, Dwardkadas Mansion,
448, Sandhurst Road, Bombay 4.

Publicity Society of India Ltd., Advertising
Media Representatives. People's Build-
ing, Sir Phirozshah Mehta Road, Fort,
Bombay. Post Box No. 296, Bombay.
Tel. Address: "Kiosk." Phone Nos.
20559 and 34134.

Pundole Watch Co., 263, Hornby
Road, opp. "Lloyds Bank," Fort.
Dealers in Watches, Clocks, Timepieces
and Jewellery.

Punegar, N. E., & Co., Boiler Solutions
and Paint Specialists, Union Bank Build-
ing, Apollo Street, Fort, Bombay. Phone:
30278. Grams: "Acmeocomp."

Punga Trading Syndicate, Manufacturers,
Exporters, Woollen Carpets, Hardware, 2,
Prospect Chambers, Hornby Road, Fort.

Purbhooas, D. S., & Co., Share, Stock,
Exchange & Finance Brokers, Stock
Exchange New Building, Apollo Street,
Fort.

Pure Products & Madhu Canning Ltd.,
Fruit Canners and Manufacturers of
Jams, Jelly, Marmalades, Pickles,
Squashes, Chocolates and Confectionery.
Suppliers to the Defence Services. Kodak
House (3rd Floor), Hornby Road, Fort,
Bombay. P.O. Box 270. Phone: 32078
(2 lines). Factory: Dr. Annie Besant
Road, Worli; Phone: 74851. Grams:
"Papuro."

Purshotam Bechar & Bros., Plastic, Silver
&ENAMEL Button Dealers, 108-2,
Swadeshi Market, Kalbadevi Road,
Bombay 2.

Purshotam Mathradas & Co., Ltd., Manufacturers of Myrabolans Extract, 3, Mherwan Building, Sir Phiroozshah Mehta Road, Fort, Bombay.

Purshotamdas Madhavan & Co., Ltd., Stevedores, Clearing and Forwarding Agents, Botawalla Building, 8, Horniman Circle, Fort. Phones: 22159, 25887 and 60930. Tel. Address: "Stevedore."

Purshotamdas Popatlal & Co., Importers, Exporters, Yarn Merchants & Chemicals, Shreenivas House, Outram Road, Fort.

Pursam, R. V., Manufacturing Jeweller, Diamond and Pearl Merchant, 62, Meadows Street, Fort. Tel. No. 24645. Tel. Address: "Fairvalue."

Pursam, S. N., 55A, Churchgate Street, Fort. Manufacturing Jeweller, Pearl & Diamond Merchant. Phone No. 22690. Tel. Address: "Gemexpert."

Putarjun & Company, Paper and Board Merchants, 413-C, Vasant Wadi, Kalbadevi Road, Bombay 2. Phone Nos. 28764 and 34078.

Pyarali Gulamhusain & Co., 108, Tantanpura Street, Khoja Moholla, Bombay 9.

Pyarelal C. Gupta, Share, Stock and Finance Broker, 108, Stock Exchange New Building, Apollo Street, Bombay 1.

Pyrkes Provision Stores, 373, Hornby Road, Bombay.

Quality Typewriter Co., Direct Importers of Typewriters & Spare Parts, Block/G, Sitaram Building, Falton Road.

Queensland Insurance Co., Ltd., Taj Building, 210, Hornby Road, Fort.

R. C. EDWARDS & CO., LTD., 16, Arthur Bunder Road, Colaba, Bombay 5. Phone: 36032. Grams: "Eddicom." sole Importers of Argo Taximeters, Tachographs, Vibracorders and other Recording Instruments.

Chairman, Board of Directors: Sardar Bahadur Bakshi Dalip Singh.

Managing Director: Major Jagtar Singh.

Chief Agents for the State of Bombay: Kanwal & Co., 16, Arthur Bunder Road, Colaba, Bombay 5.

R. C. Traders, Stockists and Suppliers of Hardware of Mill Gin Stores, Lentin Chambers, Dalal Street, Fort, P. B. No. 1282, Bombay.

R. H. Tookaram Hariha & Sons, Stevedores & Contractors, Sadguru Sadan, 16, Babulnath Road, Bombay 7. Phone: 42736.

RACEK, F. & CO., LTD., Makers' Agents and Manufacturers of Efar, & Petromax Lampware, Stoves & Blowlamps, Efar Gas Mantles, Racek, Efar & Feuerhand Hurricane Lanterns, Feuerhand Chimneys and Glass Tableware, Window and Thick Plate Glass, Gas and Water Tubes and all other kinds of Pipes, Hardware & tools etc. Managing Director: W. L. Racek. Director: A. Racek. Head Office and Showrooms: Shreeji Bhuvan, Lohar Street, Bombay 2. Post Box No. 2006. Phones: 20255, 35252 & 36461. Tel. Address: "Efracek." Code: ABC 6th Edn. and Bentley's 2nd Phase. Branch Offices: 67, Radha Bazar Str., Calcutta. P. O. Box 2121. Phone: Bank 3576. Sub-Agents in all important Cities in India, Burma, Ceylon and East and West Pakistan.

Radiant Engineering Co., Suppliers of Machinery, Diesel Engines, Pumps and Electric Motors, etc., 79, Meadows Street, Fort.

RADIO CRAFTERS, THE, Radio Sound and Refrigeration Engineers, Laud Mansion, opp. Charni Road Railway Station, 21, C-D, Queen's Road. Phone No. 23006.

Radio Electric Ltd., Manufacturers of Radiotone Products, Lamington Chambers, Lamington Road, Bombay 4. Phone: 70824. Grams: "RADTRIC."

Radio Services:—Radio Sales & Service, publishers of "Radio Services" monthly magazine. Winding machines a speciality, 417-21, Lamington Road, next to Powells Ltd., Bombay 4. Phone No. 70801. Tel. Address: "Voltohm."

Railship Stores, Wholesale and Retail Stockists of Gents' Fitted Dressing cases, Writing cases, Ladies' Toilet Boxes and Artistic Handbags, Picnic Outfits and other Travelling requirements. Agents for "Goodyear" Pilo foam Products and "Samsons" Ready-made Garments, 39, Meadows Street, Fort, Bombay. Registered Trade Mark "Flying Horse."

Railway Equipment Corporation Ltd., Post Box No. 1223, 7/8, Elphinstone Circle, Fort, Bombay. Engineers and Contractors.

Railway Passengers' Assurance Co., Macmillan Building, 276, Hornby Road, Fort, Bombay.

Raja, P. & Co., Iron & Rolled Steel Beams Merchants, Carnac Bunder, Bombay 9. Phone: 24155.

Raja Furniture Mart, Furniture and Fancy Cloth Dealers, Fulchand Nivas, Chowpatty Sea Face, Bombay 7.

Rajabali Gulamali (Prop.: India House), Importers & Dealers in Sanitaryware, Pipes & Fittings, etc., 85, Nagdevi Street, Bombay 3. Phone: 23590.

Rajaasthan Trading Co., Mill Gin Stores Suppliers, Exporters, Importers and General Merchants, Podar Chambers, Parsee Bazar Street, Fort. Tel. Address: "Rajtrading."

Rajderkar & Co., Importers of Scientific and Industrial Instruments, Commissariat Building, Hornby Road, Fort. Phone: 27304.

Rajkamal Supplying Stores, 295, Abdul Rehman Street, Bombay 3. Direct Importers and Stockists of Paints and Dry Colours.

RALLIS INDIA LTD., 21, Ravelin Street, Fort.

Head Office: Calcutta. Branches at Bombay and Madras.

Managing Directors: T. A. Lyklardopulo and M. P. A. Paspatli.

Directors: Sir Badridas (Goenka, Kt., C.I.E.); Sir Jamssetjee Jyeebhoy, Bart.; A. D. Vickers; P. A. Cronopulo.

Managers: A. G. Sotiriadi; L. E. Vafiadis.

Corresponding Companies:

Messrs. Ralli Brothers Limited, London Manchester, Liverpool, Karachi, Nanyang.

Agents: Hercules Insurance Co., Ltd. Tel. Address: "RALLI", Bombay. Phone: 25051 (8 lines). P.O. Box 166.

RAMCHAND AMBIRAM, Above Govind Chowk, M. J. Market, P.O. Box No. 2525, Bombay 2. Phone: 31607. Grams: "CHANDSHREEL." Exporters of Indian Textiles, Readymade Garments, Blankets, Yarns, Hosiery, Jute Products. Tea, Spices, Oils, Oilseeds, Oil Cakes, Brassware, Minerals, Wastes, Artware, Raw Materials, etc. Importers of Textiles, Yarns and other general Merchandise.

Ramohandra Govind & Son, Booksellers and Publishers, Nariman Building, Dhobi Talao, Bombay 2.

Ramdas Khimji Brothers, Cotton Merchants, Exporters & Importers of Raw Cotton and Piece-goods, Warden House, Sir Phiroozshah Mehta Road, Fort, Bombay.

Ramjanally Ebrahim, Investor in Industrial Joint Stock Cos. & Estate. Office: 22, Apollo Street, opp. Imperial Bank, Fort, Bombay. Tel. Address: "Biblock." Phone Nos. 25451 & 28064. Also at Poona, 14-A, Wellesley Road. Phone: 3702.

RAMNARAIN SONS LTD., Cotton Merchants, Importers and Exporters, Imperial Bank Building, Bank Street, Fort, Bombay. Tel. Address: "Ramnarye." Phone Nos. 30931 (3 lines), 33215 & 25966.

Members:

Liverpool Cotton Association Ltd.
East India Cotton Association Ltd.
Karachi Cotton Association Ltd.

Managing Agents:

Bradbury Mills, Ltd.
Phoenix Mills, Ltd.
Dawn Mills Co., Ltd.

Ramnalkal Amidas & Co., 71, Mirchi Street, Vadgadi, Bombay 3 and Carnac Bunder, Argyle Road, opp. Latif House, Bombay 9. Phone No. 20795. Tel. Address: "Authority."

Ramnalkal C. Kothari & Co., Plastics Machinery, Moulds and Raw Materials Dealers, 16, Apollo Street, 513, Sir Vithaldas Chambers, Bombay 1. Grams: "Astrogems."

RAMNIEKAL MAGANLAL & CO., Iron and Steel Merchants, Carnac Bunder, Bombay 9. Phone No. 25992. Grams: "TESTED", Bombay.

Ramson, A. & Co. for Ball-bearings of every descriptions, 6-B, Balaram Street, Bombay 7.

Ranade, G. S. & Co., Temple of Industry, Girgaum Main Road, Bombay 4. Tel. Address: "Newstyle". Phone No. 22548.

RANBAXY & CO., LTD., 3rd floor, Mustafa Building, Sir Phiroozshah Mehta Road, Bombay. **Sole Agents:** (a) Lepetit S.P.A., Milan, (b) Shionogi & Co., Ltd., Osaka, Japan, (c) Oxford Products Inc., Cleveland, Ohio, U.S.A. Phone: 23162. Cables: "Lepetit". **Controller:** K. S. Chowdhury. **Head Office:** New Delhi. **Other Branches:** Calcutta, Madras & New Delhi.

Randow, B., Sole Suppliers of Natural, Synthetic Essential Oils, etc., Kitab Mahal, Hornby Road, Fort.

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Proprietors of:

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Largest Importers of Automotive Products.

New Queen's Road,
Bombay 4.

Grams:

Phone: 22475. "AUTOWORKS".

RANJIT SALES & PUBLICITY LTD., 111-A, Mahatma Gandhi Road, Fort, Bombay. (Advertising Service Agents) Telegrams: "RANJITSALE".

Rasik Publicity Co., Advertising Agents & Consultants, 58, Krishna Bang, Vithalbhai Patel Road, Bombay 4.

Rasiklal & Co., Ltd., Importers & Stockists of Light and Heavy Industrial Chemicals, 60-62, Princess Street, Bombay. P. O. Box 2228.

Rasiklal Hirai Lal & Co., Diamond Merchants and Jewellers, 205, Sheikh Meemon Street, Bombay 2.

RASIKALAL MOHANLAL & CO., Importers, Exporters and Manufacturers' Representatives, Indentors of wood and timber for bobbins and other textile articles, fancy packing papers and boards 123, Mahatma Gandhi Road, Bombay 1. Phone: 33162. Grams: "FLUTE".

Ratanji, H. J., & Co., Publishers. *The Motion Picture Magazine*. 40, Cowasji Patel Street, Fort, Bombay. Tel. Address: "Coaltar." Phone No. Office: 24821. Grams: "Coaltar."

Ratanji Morarji Limited, Electrical & Chemical Engineers, Specialists in:—Water Purification Plants, Electro-Magnetic Scale Preventing Devices for Water, Milk and Sugar-cane Juice. Specialists in:—Mechanical and Material Handling Equipment for every industrial purpose, Prospect Chambers, 317/21, Hornby Road, Fort, Bombay. Grams: "Shrijamini."

Ratilal & Co., Automobile Parts and Accessories Dealers, New Bhatwadi, Sandhurst Road, Bombay 4.

Ratilal Dahyabhai Shah, Yarn Merchant & Commission Agent, Tambakanta, Pydhownie, Bombay 3.

Ratilal D. Khetsey & Co., Importers, Exporters and Yarn Merchants, 15, Military Square Lane, Fort, Bombay.

Ratilal, P., & Co., 43, Dhanji Street, Bombay 3. Mill Gin Stores Suppliers.

Ratilal Parekh & Co., Imports & Exports, Bombay Mutual Building, 2nd Floor, Sir Phirozshah Mehta Road, Fort, Bombay. Tel. Address: "Galsan." Phone Nos. Office: 34231 and Residence & Factory: 87378.

Raut, S. B., Clearing & Forwarding Agent, Kapadia House, 142, Modi Street, Bombay 1.

RAVALGAON SUGAR FARM LTD., Construction House, Ballard Estate, Bombay. Sugar Manufacturers. Sugar Factory at Ravalgaon, District Nasik. Phone: 28036 (Five Lines). Grams: "Rasufald."

Raval Tiles & Marble Ltd., 97A, Queen's Road, Bombay. Phone No. 34310. Tel. Address: "Ravallile."

Ravi Udaya Vilaya Photo-Litho Offset Works, Tilak Road, Ghatkopar, Bombay.

RAW COTTON CO., LTD., 111, Mahatma Gandhi Road, Fort, Bombay. Phone Nos. 25282, 26214 and 41925. Grams: "Cotraw". Cotton Merchants, Exporters and Importers of Egyptian and African Cotton.

Rawal Shankerlal & Co., Dental Goods Dealers, 160, Hornby Road, Fort, Bombay.

Raymond-Renolds, Publicity Consultants, Bombay Co-operative Inacc. Building, Sir Phirozshah Mehta Road, Fort, Bombay. Phone No. 81938. Proprietor: V. E. Amberkar, M.A.

Rayell (India) Ltd., Merchants, Manufacturers' Agents & Importers of Rayon and Cotton Piece-goods. 31, Marban Road, Fort.

R. C. H. BARAR & CO., 239, Abdul Rehman Street, Bombay 3. General Merchants, Importers, Exporters and Manufacturers' Representatives, Dealers in Buttons, Beads, Laces, Pencils, etc. Grams: "Atal." Phone: 20610.

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Mechanical Engineers: H. E. Mathews, B. A. Ghadiali.

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Sanitary Engineering Dept.: Assistant: R. J. Meyers.

Works Manager: J. S. Ward

Works: J. B. Hudson, H. Gill, H. Rea, W. L. Aspy, K. Deva Rao, B.Sc., Met., A. D. Rhoderick, M. J. Bilmoria, D. J. Ottoman Ward

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Box No. 452. Telegraphic Address:
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Manager: I. McIntosh.

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Bombay No. 1. Phone No. 81083.
Telegraphic Address: "Foxhound,"
Bombay. *Manager:* K. C. Carley.

ROYAL INSURANCE CO., LTD. (In-
corporated in England, 'Stockholders'
Liability Limited), 12, Janshetji Tata
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Phone No. 27071 (3 lines). P. O. Box
1847. *Secretary:*—H. Mercer.



Phone No. 22891.

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Road, Bombay 3.

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Royal Tube Corporation, Pipe-Fittings,
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Merchants, 94, Nagdevi Street,
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Articles, and Tooth Brushes. Behramji
Mansion, Sir Phirozshah Mehta Road,
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Kampala, Nairobi, Sudan, Cyprus,
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Authorised Capital	Ra. 1,00,00,000
Subscribed	" 1,00,00,000
Paid-up	" 82,00,000

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S. M. Shah & Co., Chemicals & Mill Gin
Stores Suppliers. 16 (2), Shankarbari
Lane, Chitra Bazar, Bombay.

S. Ramchandra & Co., Artists' & Students'
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near Crawford Market, Hornby Road,
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Shah, D. D., & Co., Oil Paint Manufacturers, 93, Kika Street, Bombay.

Shah, H. T., & Co., Incandescent Gas Lights, Electrical Goods Dealers, Ahmed Bldg., Golpitha, Bombay 4.

Shah Patel & Co., Mill Gin & Hardware Merchants, 109-111, Nagdevi Street, Bombay 3.

Shah & Sunder, Agents & General Merchants, Importers and Exporters; Dealers in Automobile Parts and Accessories; Earth Moving and Material handling equipments; Lubricating Oils and Greases, 7/10, Horniman Circle, Botawala Building, Bombay 1.

Shah Trading Co., Ltd., Wholesale Dealers in Cycles & Cycle Accessories, 213, Princess Street, Bombay 2.

Shah Trading Corporation, Goldsmith Tools and Hardware Merchants, Oomrigar Building, Opp. Crawford Market, Bombay 3.

SHALIMAR PAINT, COLOUR & VARNISH CO., LTD., Agents: Turner Morrison & Co., Ltd., 16, Bank Street, Bombay. Tel. No. 26582 (6 Lines).

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Head Office:—9, Brabourne Road, Calcutta.

Branches at:—Ahmedabad, Amritsar, Assam, Banaras, Bhavnagar, Ceylon, Delhi, Kanpur, Madras, Patna, Poona, Sriranganagar, Agra, Ajmer, Lucknow, Ludhiana, Madras, Elore, Cochin, Jalpalguri, Narayanjanj.

Board of Directors:—Sir Badridas Geonka, Kt, C.I.E. (Chairman), K. B. Daga; K. P. Goenka; F. C. Williams, S. Stevenson, G. C. Bangur.

General Manager:—U. N. Chatterjee
Secretary: (Bombay Circle) B. R. Advarya.

Standard Materials Agencies, Importers of Textile Machinery, Colour & Chemicals. Podar Chambers, 2nd Floor, Parsi Bazar Street, Fort, Bombay. Phone No. 34238. Grams: "Stansize."

Standard Metal Works, Ltd., Manufacturers of Non ferrous Metal Wires, Lead-Sheets and Builders' Brass Hardware, 17, Falkland Road, Low Level, Tardeo, Bombay 7.

Standard Paint, Oil & Colour Co., Ltd., Manufacturers of Paints, Varnishes, Enamels, etc. 2nd Naoraji Hill Road, Bombay 9.

Standard Paper Co., 72-74, Sutar Chawl, Bombay 2.

Standard Pulverising Co., Atlas Mills Compound, Reay Road, Bombay 10.

STANDARD ROLLING SHUTTERS & ENGINEERING WORKS, on Approved Government & P.W.D. List, Manufacturers of M. S. Rolling Shutters, Rolling Grills, Collapsible Gates, Victoria and Tonga Channels, Railings, Grills, Corrugated Steel Palis Fencing, Pressed Steel Gutters, Storage Tanks, Compound Gates, Wheel Barrows, Municipal and P.W.D. Carts, Steel Structures, Life Boats, etc.
Works: 37-A, Parel Road, Cross Lane, next to Byculla Goods Yard, Bombay 12. Phone: 41624. Office: 11, Bruce Street, Fort. Phone: 31867, Grams: "Boishutter".

Standard Typewriter Co., Importers & Distributors in India of Typewriters. Cama Building, 257, Hornby Road, opp. Navsari Chambers, Fort.

STANDARD-VACUUM OIL COMPANY (The liability of members of the Company is limited). Manufacturers, Importers and Distributors of all Petroleum Products.

Divisional Office for India, Pakistan, Ceylon and Burma:—Imperial Chambers, Wilson Road, Ballard Estate. Tel. Address: "Nocos." Phone Nos. 32001/5. Post Box No. 355. Code used—Private.

General Manager—R. T. Burton.
Asst. General Managers—H. M. Sadler, J. V. Hanlon.

Chief Accountant—R. R. Kendall.

General Sales Manager—M. M. Bowinan.
Division Operations Manager—O. R. Underhill.

Employee Relations Manager—P. J. Collins.

Bombay Territory Office:—Neville House, Nicol Road, Ballard Estate. Telegraphic Address: "Stanvac". Telephone Nos. 26207 and 26524. Post Box No. 181. Code used—Private.

Manager—R. S. Matson.

Sales Manager—H. J. Hawkins.

Accountant—S. M. Osborne.

Operations Manager—R. H. Scott.

Employee Relations Manager—J. D. Parikh.

STANLEY ELECTRICAL & MECHANICAL ENGINEERS, 40-43, Balanya Lane, Lady Jamshedjee Road, Mahim, Bombay. Government Licensed Contractors, undertake complete Electrical Installations, Power Houses, Mills, Factories etc., Dealers in Electrical accessories. Air-Conditioning is our speciality.

STANLEY WORKS, THE, 43-44, Lakshmi Building, 3rd Floor, Sir Phirozshah Mehta Road, Fort. Phone No. 27787. Tel. Address: "Stanlyworx". Post Box No. 491. Manufacturers of Builders' Hardware, Carpenters', Mechanics' and Portable Electric Tools.

Star Art Framing Works, No. 90, Meadows Street, Fort.

Star of India Dairy Co., 112, Meadows Street, Fort.

STAR METAL REFINERY LTD. (Estd. 1940), The only smelters of Antimony "Starmetal" in India. 361, Hornby Road, Fort. Phone: 30247, Grams: "Starmetal".

Factory: Vikhroli (Central Bly.), Phone: 87827.

Managing Director: Ramanlal Parikh.

Star Paint & Oil Industries, Crescent Chambers, Tamarind Lane, Fort, Bombay. Manufacturers of Paints, Distempers, Varnishes, etc.

Star Paper Co., Paper Importers, Exporters & Indentors. 85/86, Peoples' Building, Sir Phirozshah Mehta Road, Fort, Bombay.

Star Radio & Engineers Ltd., Radio Engineers and Merchants, Parikh House, New Queen's Road, Bombay 4.

Star Textile Engineering Works, Ltd., 16, Apollo Street, Fort. Manufacturers of Textile Machinery and Spare Parts.

STAR TRADING CO., LTD., Importers of Textile Machinery & Stores. Sir Vithaldas Chambers, 16, Apollo Street, Bombay. Phone No. 24380. Grams: "STARTRADE".

STEEL BROTHERS & CO., LTD., Importers & Exporters of Cotton & Woollen Piecegoods, Raw Cotton, Edible Oils & Sundry Produce. Allahabad Bank Building, Apollo Street, Fort, Bombay 1, P. O. Box No. 369.

Manager: J. Littlejohn.

Assistants:—I. Madhok, M. H. Erskine and J. A. H. Stuart.

Phone Nos. 26034/35, Grams: "Steelesque".

Steel Corporation of Bombay, Ship Breakers, Iron, Steel and Hardware Merchants, Ground Floor, Lakshmi Building, Sir Phirozshah Mehta Road, Fort, Bombay. Phone: 33427. Grams: "Workers".

STEEL INDUSTRIAL CORPORATION OF BOMBAY, Barrel Electroplaters for Nickel, Galvanizing, 39, 2nd Carpenter Street, Khetwadi Main Road, Bombay 4. Phone: 72149.

Factory:—Dhakoo Prabhoo's Wadi, Ghorupdeo, Mazagaon, Bombay 4.

Manufacturers of:—Aerated Water Machinery, Chemical Machinery, Chimneys for Factories and Mills, Drugs, Dyes and Chemical Vessels, Oil Mill Machinery, Soap Plants (Soap Boiling Kaddals, Soap Boxes, Soap Cutting, Stamping & Chipping Machines), Stainless Steel Vessels, Storage Tanks, Sugar Mill Machinery and Vessels such as Molasses Tanks, Melting Tanks, Finishing Tanks, Stirring Tanks, Bag Filter Tanks, Textile Machinery, Vacuum Vessels, Steel Furniture & Cabinets, etc.

Work Undertaken:—Iron and Steel Works, Structural Engineering, Welding (Electric and Gas).

STEEL INDUSTRIES OF HINDUSTAN LTD., THE, Structural & Mechanical Engineers, Manufacturers of Storage Tanks, Pipe-fittings and Bends up to 4' Diameter, Elliptical Tanks, Wrought Iron Pulleys, Ferrous & Non-ferrous Castings, Tin Cans of Various Sizes, etc., etc. Managing Director: Bhagwan Ramchand. Address: Magazine Street, Mazagaon, Bombay 10. Phone: 73896. Grams: "Ferrotypes".

Steelage Industries Ltd., Opp. Post Office, Mazagaon, Bombay 10. Phone No. 41014. Grams: "Steelage". Show-rooms: Ready-money Mansion, Veer Nariman Street, Fort, Bombay. Phone: 20429.

STEELYARD LIMITED, Regd. Office: Bahimtoola House, Hornji Street, Fort. Steel, Hardware. Chairman: A. A. Jashdenwalla. Managing Director: Jethashankar Gopalji. Telephone Nos. Head Office:—30154. Sales Office—22643. Tele. Address: "Scotchiron".

Stela Equipments, Manufacturers of Loose Leaf Binders & Duplicators of Different Sizes and other Office Equipments. Phone: 34151. 327, Nawab Building, Hornby Road, Fort, Bombay.

Stewarts and Lloyds of India, Ltd., Mubarak Mansil, Apollo Street, Fort.

Stewarts Laboratories, 327, Hornby Road, opp. Thos. Cook & Sons, Fort, Bombay. Manufacturers of quality Inks and Ink Powders in all colours; Gums (Liquid); "Gum Arabic" Pastes and Sealing Waxes for Office use, Office Equipments; Loose Leaf Binders; Post Binders; Duplicators, Wooden and Plastic—Stationeries and Novelties. Phone No. 34151. Tel. Address: "INKWAXGUM".

STOESSSEL, W. R., & CO., 63, New Marine Lines, Fort. Tel. Address: "Entireness." Phone No. 21541.

Manufacturers of: WRS Advertising Specialities.

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Critchley Bros. Ltd. (Knitting Needles & Pins).

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STONE, J., & CO. (INDIA), LTD., Third Floor, Yash Building, Goa Street, Ballard Estate. Electric, Train-Lighting, Air Conditioning, Hydraulic and Mining Engineers. Propeller Manufacturers. White Metals and Bronzes, etc. L. R. Bury, K. V. S. Mani, B. R. Rao, Agents for the Superheater Co., Ltd., Seattle and Porcelain Products Ltd., The Permutit Co., Ltd., Pilkington Brothers Ltd., Taylor Brothers & Co., Ltd., Combustion Engineering-Superheater, Inc. Phone No. 22357. Tel. Address: "Stoneroy." P.O. Box No. 494. Registered Offices: 5, Hide Road, Kilderpore, Calcutta.

Stone Supplying Co. Ltd., Marble, Tiles & Stone Merchants, 494, Duncan Road, Bombay 4. Phone No. 72386.

STRONACHES ADVERTISING, L. A. STRONACH & CO. (INDIA) LTD., Ballard Estate, Bombay. Established 1923. Advertising & Marketing Consultants. Tel. Address: "Adservice". Phone 31036, also at Calcutta, Madras, Karachi and London.

STRUCTURAL ENGINEERING WORKS, LTD. Managing Agents:—Bhagat & Sons, Ltd., Engineers. Registered Office:—Prospect Chambers, Hornby Road, Fort, Bombay No. 1.

Works No. 1: Sewri Fort Road, Bombay 13.

Works No. 2: Bombay-Agra Road, Near Mile Stone 20, Mulund (Bombay Suburb.).

Phones: Office: 30187.

Works No. 1: 60445.

Works No. 2: 87547.

Mr. Bhagat's Residence: 40398.

Grams: Office: "Bhagatson".

Works No. 1: "Structural."

Works No. 2: "Weldstruc."

Directors:—

A. D. Shroff, Chairman.

N. B. Bhagat, Mech. Engineer (India), Sust. M. Ama. Wel. Soc., O.M. Inst. Wel. (London), M. Aust. W.I., Managing Director of Bhagat & Sons Ltd. and The Indian Expanded Metals Ltd.

A. M. Kapadia, A.M.I. struct. E., M.I.W. (Lond.), Technical Adviser.

Mangaldas B. Mehta, J.P., Attorney-at-Law.

B. M. Ghia.

J. R. Taleyarkhan (Commercial Manager), A. T. Tarkas (Secretary).

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SUBEDAR & SONS, 303, Himalaya House, Hornby Road, Bombay I. Travelling Agents. Phone No. 33870. Grams: "Elsubin."

Subodchandra Popatlal, Importer & Exporter, 223/226, Sheikh Memon Street, Bombay 2.

SUCHIN & COMPANY (Prop.: B. S. C. Swamy), Exporters of Textiles, Yarn, Oils and Minerals. 65, Lakshmi Building, Sir Phirozshah Mehta Road, Fort, Bombay. Grams: "Suchinna." Phone: 28606.

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Importers & Exporters.
Importers of: Medicinal Liquid Paraffin, Lubricating oils, Dom nuts, Gums, etc.
Exporters of: Textiles, Spices, Essential oils, etc.
Dhan-Nur, Sir Phirozshah Mehta Road, Fort, Bombay I.
Phone: 22788.
Grams: "VANSOBHA".

SUDHIR & COMPANY, Exporters, Importers & Manufacturers' Representatives, Steel, Sago Flour, Starches, Waterproof Packing Papers and Chemical Merchants, opp. New Sugar Market, Frere Road, Bombay 9.

Telegram: "SPEEDSTEEL". Telephones: 32582 Office & 80024 Factory.
(A.B.C. 5th & 6th edition, Bentley's).

Sole Agents in India for:—

The Vulcan Steel & Tool Company Ltd., Cornish Steel Works, Sheffield 3, England.

Sopex Belge S.A., Anvers, Belgium.

Approved Dealers & Stockists of:—

The Tata Iron & Steel Company Ltd. (Tool, Alloy & Special Steels).

Sugar Textile Service, Auxiliaries for Dyeing, Bleaching, Finishing & Printing. Third Floor, Bombay Mutual Building, Sir Phirozshah Mehta Road, Fort, Bombay.

Sultanla Cotton Manufacturing Co., Ltd., Ismail Building, Hornby Road, Fort, Bombay.

Secretary, Treasurers and Agents: Fazalbhul Ibrahim & Co., Ltd.

Directors:—

- (1) Abdulla Ibrahim Rahimtoola, J.P.
- (2) Sir Fazal Ibrahim Rahimtoola, B.A., Kt., C.I.E.
- (3) Lt.-Col. B. M. Vancoba Rao.
- (4) M. Bihari Lal.

Manager: J. R. Thakore, B.A.
Factories (Ginning and Pressing): Sehore and Nassarullahganj.

Factories (Ginning Only): Ashta Metwara.

Tel. Address: "Bandanawaz." Phone No. 25116.

Sun Life Assurance Company of Canada, Tel. Address: "Sunbeam," Bombay. Telephone No. 27211.

Administrative Office for India and Ceylon:—Canada Building, Hornby Road.

Manager for India & Ceylon:—J. L. B. Heale, F.F.A.; *Resident Secretary:*—K. W. Dee.

Bombay Branch Office:—D. S. Dalal, *Branch Manager.*



ESTABLISHED 1929

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G. M. MEHTA, Managing Director

TELE: RES. 33391

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Sunderdas & Co., Importers, Exporters & General Merchants, opp. Reay Road Station, Bombay 10. Distributing Agents for "Unitex Hardboards and Burgess Vibrotools." Phone No. 42051. Grams: "Suncomp."

SUNDERDAS SAW MILLS, Timber Merchants and Manufacturers of Machine-made doors, windows and furniture, opp. Reay Road Station, Bombay No. 10. Tel. Address: "Sundermill." Phone No. 42051 (2 lines).

Sunderlal & Sons, Mill Oil & Hardware Merchants, 11, Narayan Dhuru Cross Lane, Bombay 8.

Sunshine Insurance Ltd., Raja Bahadur Mansion, 14, Harnam Street, Fort.

Super Leather Works, Leather & Canvas Goods Dealers, 850, Abdul Rehman Street, Bombay 8.

SUPER SERVICES (INDIA), Telephone Engineers; Manufacturers of Superphone Intercommunication Telephones; Dealers: Telephones Switch Boards of all Systems, Wires, Cables & Cords, Accessories & Spare Parts. Phone: 20870. Grams: "Phonesuper." Parekh Building, 1, New Queen's Road, Bombay.

Superior Stationery Mart Ltd., Stationers, Printers, Direct Importers of Stationery, etc., Examiner Press Building, 117, Medows Street, Fort, Bombay 1. Phone: 24898. Grams: "Loveliness."

Surat Yarn Exchange Co., Baranpuri Bhagal Surat. Phone: 340.
Branch: 141, Princess Street, Bombay 2. Phone No. 26170.

SUREN, W. T. & CO., LTD., Merchants, United India Building, Sir Phirozshah Mehta Road, Fort, Post Box No. 220, Bombay 1. Tel. No. 80861 (2 Lines). Tel. Address: "Suren". Importers of Ferrous and Non-Ferrous metals, Electrical Materials, etc. *Sole Distributors for* Teddington Chemical Factory Ltd., Andheri.

Surendar Trading Co., Dealers in Radios, Electrical Goods & Film Line. 38, Churchgate Street, Fort.

Surti & Co., D. R., Electrical Engineers & Dealers in Electric Goods, 11, Botawalla Bldg., Elphinstone Circle, Fort, Bombay.

Surti Hiradul T., Importers of Rubber Stamp and Process block making Materials, 15/9 Khetwadi, Bombay 4.

Susichitzki Rudolf, Manufacturers' Representatives, Adenwala Building, 19, Mathew Road, Bombay 4.

SUTRAMDAS, R. United India Building, 5th floor, Sir Phirozshah Mehta Road, Fort, Bombay. Phone: 28393. Grams: "TRAURAY". Stockists. Trayons Rayon Yarn and Cellulose Transparent paper. Manufactured by the Travancore Rayons Ltd., Rayapuram (North Travancore).

S. U. Udeshi, Importers, Exporters, Manufacturers' Representatives, Chattrabhuji Nivas, 70, Vadgadi, Bombay 8.

Swadeshi Glass Works Depot, 25, Bank Street, Fort, Bombay. Phone No. 86584. Grams: "Autoglass."

Swadia & Hathi, Noble Chambers, Parsi Bazar Street, Fort.

Swastik Paper Mart, For Newsprint, Corrugated Boards and other boards, 54, Sutar Chawl, Bombay 2.

SWASTIK GEOGRAPHICAL PUBLISHING BUREAU

Publishers of "Swastik" Atlases, Wall Maps and other Geographical materials, Swadeshi Mills Estate, Roxy Cinema Compound, Tata Road, Bombay 4, Phone No. 23883. Grams: "Swastik map." Sole Selling Agents—Blackie & Son (India), Ltd., Bombay 1.

Swastik Oil Mills Ltd., The, Factory and Registered Office at Wadala, Bombay 16.

Swedish Match Co., The, Match Manufacturers. Office:—Indian Mercantile Chambers, Nicol Road, Ballard Estate.

SWISS LOCOMOTIVE & MACHINE WORKS (Incorporated with Limited Liability in Switzerland). *Bombay Branch*:—Kamani Chambers, 1st Floor, Nicol Road, Ballard Estate. Tel. Address: "Swissloco." Phone No. 25714 & 33757. Post Box No. 690.

Sykes, Patkar & Divecha, Architects, Engineers & Surveyors, 24-26, Dalai Street, Fort.

Sylvester & Co., Importers and Exporters, Clearing & Forwarding Agents, Prince Alykhan Building, 20, Custom House Road, Fort.

T. VRAJLAL & CO.

405, Kalbadevi Road, Bombay 2.

Phone: 23716.

Grams: "APPROACH"

Imports:—Textiles & General Goods

Exports:—Cotton Piece-Goods & other Textiles & Yarns.

Overseas Correspondents:—Vora Valabhjee Tarachand Greater Aden (Arabia)

Vie Piemonte, Asmara, (Eritrea).

Taj Printing Works, 46-A, Cawasji Patel Street, Fort. Fine Art Printers, Calendar Manufacturers.

Tajbhoy Allibhoy & Sons, 117, Ebrahim Rahimtulla Road, Bombay 3. Phone No. 43831.

Talib & Company, Pipes, Fittings & General Hardware. Talib House, 104, Nagdevi Street, Bombay 8. Phone No. 27977. Tel. Address: "Talibco."

TALWALKER, W. R., Lentin Chambers, Dalal Street, Fort. Tel. No. 80867. Tel. Address: "Pumpenamel."

Representing:

Kirloskar Brothers Ltd., Manufacturers of Water Pumps of all types and for all purposes. Direct coupled Engine and Motor Pumping sets, Diesel Oil Engines, Groundnut Decorticators, Sugarcane Crushers, Agricultural Implements, etc. Ogale Glass Works Ltd., Mysore Glass & Enamel Works Ltd., Travancore Ogale-Glass Manufacturing Co. Ltd., Nagpur Glass Works Ltd., Manufacturers of NEUTRAL Glass Bottles and Containers, Enamel Advertising Sign-Boards, Enamelled Electric Light Shades, Glass Tiles for Roofing (Mangalore Pattern), Partition & Flooring. "Prabhakar" Hurricane Lanterns and Safety Kerosene Stoves. "Swastik" Brand Unbreakable Slates, "Silver" Stainless Steel Utensils. Shivaji Works Ltd. Manufacturers of "Shivaji" Patented Water Heaters. Bombay Tin Printers, Manufacturers of Artistic Printed Tin Containers and Advertising Sign-Boards, "Realco & Prabhakar" quality Stone Slates.

TAMBAWALA METAL MANUFACTURING WORKS, LTD., Manufacturers of lead capsules for sealing bottles, crown corks for sealed waters and collapsible tubes for use as containers, 66/64, Narayan Dhuru Street, P. O. Box No. 3092, near Pydhonwale, Bombay 3. Phone: 34376. Grams: "CAPSULES".

Tambe, B., Ltd. (Props. of Tambe Health Home). Head Office: Sanzgiri Sadan, Girgaum Road, Bombay 4. Phone No. 20687.

Branches: (1) Thakurdwar Corner; (2) Hammam Street, Fort; (3) Cona, Girgaon.

TARACHAND GUPTA & BROS., Importers and Stockists of Hardware, Engineering Tools, Bolts, Nuts, etc., Narayan Dhuru Street, Bombay 3. Office Phone: 30141. Residence Phone: 41263. Grams: "Guptabros."

Taraporewala, D. B., Sons & Co., Ltd., Booksellers and Publishers Treasure House of Books, Taj Building, 210, Hornby Road, Fort.

TARAPOREVALA, F. D. B., SONS & CO., Managing Agents for New Book Co., Ltd., Kitab Mahal, 188-190, Hornby Road, Fort, Bombay. Phone No. 32811 (2 Lines). Tel. Address: "Newbook."

Taraporwala & Co., Architects, Engineers and Surveyors, 7-10, Elphinstone Circle, Fort. Phone No. 22708. Vicejee A. Taraporwala, F.R.I.B.A., Chartered Architect; Kersasp B. Taraporwala, L.R.I.B.A., etc., Chartered Architect, and Dorab V. Tarapore, A.R.I.B.A., Chartered Architect.

Tarasingh Harbindersingh, Kitab Mahal, Hornby Road, Fort. Phone: 28356. Exporters of Cotton Piece-goods, Hessian Cloth & Gunny Bags, Raw Cotton, Carpets, Spices, Essential Oils, Medical Herbs, etc.

TATA HYDRO-ELECTRIC AGENCIES LIMITED, Bombay House, 24, Bruce Street, Fort, Bombay.

Directors:—

J. R. D. Tata (Chairman).
Sir Homi Mody.
Sir Purshotamdas Thakurdas.
Sir Chunilal V. Mehta.
A. E. Blair.
N. H. Tata.
J. D. Chokshi (Managing Director).

Secretary:—M. P. Mistri.

Agents for:—

Tata Hydro-Electric Power Supply Co., Ltd.
Andhra Valley Power Supply Co., Ltd.
Tata Power Co., Ltd.
United Power Ltd.
Tel. Address: "Thebamco." Phone No. 29541. Code used: Bentley's.

TATA INDUSTRIES LIMITED, Bombay House, 24, Bruce Street, Fort, Bombay No. 1.

Directors:—

J. R. D. Tata (Chairman).
N. H. Tata.
A. D. Shroff.
J. D. Chokshi.
T. V. Baddeley.
Sir Jehangir Ghandy.
D. R. D. Tata.
P. A. Narielwala.
S. Moolgaokar.
K. A. D. Naoroji.
K. C. Bakshi.

Secretary:—M. P. Mistri.

Agents for:—

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Tata Locomotive & Engineering Co., Ltd.
Ahmedabad Advance Mills Ltd.
Central India Spg. Wvg. & Mfg. Co., Ltd.
Swadeshi Mills Co., Ltd.
Tata Mills Ltd.
Indian Hotels Co., Ltd.
Tata Oil Mills Co., Ltd.
Tata Chemicals Ltd.
Tata Aircraft Ltd.

Secretaries and Treasurers for: Air India Ltd.; Air India International Ltd.

Corresponding Firms:—

Tata Limited, 18, Grosvenor Place, London, S.W. 1. Tel. Address: "Tatald."

Tata Incorporated, 90, Broad Street, New York 4, N.Y. Tel. Address: "Tatainc."

Codes used—Bentley's.

Telegraphic Address: "Tatind."

Phone No. 29541.

TATA IRON & STEEL COMPANY LTD.

Managing Agents: Messrs. Tata Industries Limited.

Registered Office: Bombay House, 24, Bruce Street, Bombay 1.

(Telegraphic Address: "Ironco." Phone: 29541).

Calcutta Office: 23-B, Netaji Subhas Road, Calcutta 1.

(Telegraphic Address: "Tatairon." Phone: Bank 2344).

Jamshedpur Office: (Telegraphic Address: Tatairon).

Steel Works: Situated at Jamshedpur Bihar.

(Rly. Stn.: Tatanagar, Eastern Rly.).

(Telegraphic Address: "Ironco").

Head Sales Office: 23-B, Netaji Subhas Road, Calcutta 1.

(Telegraphic Address: "Ironco." Phone: Bank 2344).

Directors:

J. R. D. Tata (Chairman) (Special Director).

J. D. Choksi (Vice-Chairman).

Sir Purnohandas Thakurdas.

Sir M. Visvesvaraya.

Sir Chunilal V. Mehta.

Sir Cowasji Jehangir.

Dinsha K. Daji.

Dharamsey Mulraj Khatau.

Neville N. Wadia.

Sir Fazal Ibrahim Rahimtoola.

Sir Jehangir Ghandy (Special Director).

Head Office—

Deputy Agent: K. M. Madan.

Secretary: R. F. S. Talyarkhan.

Calcutta & Jamshedpur Offices:—

Resident Director-in-Charge: Sir Jehangir Ghandy.

Agent: M. K. Powvala.

Deputy Agents: A. Rajagopalan (Calcutta); S. M. Dhar (Jamshedpur).

General Manager (Jamshedpur): P. H. Kutar.

Sales Manager (Calcutta): J. D. Lam.

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TATA OIL MILLS CO., LTD.,

Head Office: Bombay House, 24, Bruce Street, Fort, Bombay. Mills: Tatapuram, Travancore-Cochin, South India; Hay Bunder Road, Sewri, Bombay.

Tel. Address: "Tatolls." Bombay and Tatapuram. Phone: Bombay 29541.

Manufacturers of vegetable oils, oil-cakes, refined and hydrogenated oils, washing and toilet soaps, toilet preparations, perfumes, detergents, and chemically pure and Industrial Glycerine.

TATA SONS LIMITED, Bombay House, 24, Bruce Street, Fort, Bombay 1.

Directors:—

J. R. D. Tata (Chairman).

Lady Ratan Tata.

Sir Homi Mody.

N. H. Tata.

A. D. Shroff.

Dr. John Mathai.

J. D. Choksi.

Secretary:—M. P. Mistri.

Corresponding Firms:—

Tata Limited, 18, Grosvenor Place, London, S.W.1. Tel. Address:—"Tatald."

Tata Incorporated, 90, Broad Street, New York 4, N.Y. Tel. Address:—"Tatainc."

Codes used—Bentley's.

Telegraphic Address: "Tatasons."

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Bombay Office:—9, Forbes Street, Fort. Phones: 27021 & 27022. Grams: "Tecalemit."

Branch Manager: I. N. G. Newby.

Techno-Chemical Works, Slon, Bombay 22. Manufacturing, Spirit-De-naturants, Bleached Shellac; Disinfectants—Liquids, Powders; Active Carbon; Telegrams: "Teknokeml," Bombay, Slon.

Techno-Industrial Co., The, Textile and Chemical Engineers, Dealers in Mill Stores and Machinery, 107, Sir Vithaldas Chambers, 16, Apollo Street, Fort. Phone No. 30403. Tel. Address: "Technindus."

TECHNO-INDUSTRIAL SYNDICATE, Sole Distributors for Gluconate Ltd. (Calcutta) and Alcheney Ltd. (London). Commission Agents, Exporters and Importers of Heavy & Industrial Chemicals, Oil & Paints. 19B, Noble Chambers, Parsee Bazar Street, Fort, Bombay. Phone: 24820. Tel. Address: "Telnay."

TEDDINGTON CHEMICAL FACTORY LTD., Biological Laboratory, Suren Road, Andheri. Office: United India Building, Sir Pheroze Shah Mehta Road, Fort. Sole Distributors: W. T. Surén & Co. Ltd., Sir Pheroze Shah Mehta Road, Bombay. Tel. No. 30861.

Tee Beam Structures (India), Ltd., Regd. Office: Bombay Mutual Building, Hornby Road, P. O. Box 669, G.P.O., Bombay.

Tajinder & Co., Insurance Agents, 32, Latif House, Carnac Bunder, Bombay.

Telefute Radio Agency, Radio Dealers, 20, Store Lane, Parsee Bazar Street, Fort, Bombay.

Terra Trading Corporation, Stockists of Czechoslovakian Lighting Glass, Conduits, Wires, Switchgear, etc. Ashok Building, Lohar Chawl, Bombay 2.

Texmaco (Gwalior), Ltd., Manufacturers of Cop-Change Auto Looms, 254/A, Annie Besant Road, Bombay 18.

Textile Aniline & Chemical Co., Stockist of Dye-stuff, Chemicals and Colours. Nagindas Chambers, Frere Road, Bombay 1.

Textile & Timber Traders, Dealers in Timber, Mill Gin Stores. Specialising in Shuttles, Bobbins, Pickers, etc. Meadows House, Meadows Street, Fort. Phone: 32251 and 30466.

TEXTILE MACHINERY CORPORATION LTD., Belghuriah, Calcutta. Manufacturers of all types of Spinning Ring Frames, Spindles, Spinning Rings, Tin Rollers, Fluted Bars, Jockey Pulleys and other Spinning Accessories, as also Drawing frames and Bolders. Sales Office: 254A, Annie Besant Road, Worli, Bombay 18. Grams: "Ringframe." Phone: 74534.

Textile Stores & Hardware Mart, Engineers, Contractors & Shipchandlers, 32, Bibijan Lane, Nagdevi Street, Bombay 3. Phone: 22806.

TEXTILE SUPPLIES SYNDICATE (INDIA) LTD., Textile Engineers, Consultants and Suppliers, India House (1st Floor), Opp. G.P.O., Bombay. Tel. Address: "Goodbelt." Phone No. 33964.

Branches:—Ahmedabad, Coimbatore (S.I.), Kanpur and Calcutta.

TEXTILE TRADERS, Estd. 1915. Direct Importers of Mill Stores & Handloom Accessories, Bansilal Mansion, 11, Bruce Street, Fort, Bombay. Phone, Office: 25437, Res.: 28923. Grams: "Amar-dad." Sole Agents for William Moquirk and Sons, Ltd., England; Societa Industriale Sumner, Italy.

Thacker & Co. Ltd., Booksellers, Publishers, Stationers, Printers, etc., Rampart Row, Bombay. Phone No. 30722. Tel. Address: "Booknotes."

THACKERSEY MOOLJEE & CO., Sir Vithaldas Chambers, 16, Apollo Street, Fort. Phone Nos. 20110, 25153. Tel. Address: "Dragonnade," "Lollardism," "Disparagar" and "Crownmill."

Managing Agents:—

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The Western India Spinning & Manufacturing Co., Ltd.

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Manufacturers of:—

Bleached Longcloth, Dhotties, Shirtings, Sheetings, Drills, Twills, Dhotuli, Dyed and Bleached Cotton Goods, Jacquard Charsa.

Thakker Soonderjee Nanjee & Sons (India) Ltd., Importers, Exporters, Merchants and Commission Agents, 416, Kalbadevi Road, Bombay 2. Tel. Address: "Worldlight." P. O. Box No. 2532.

Thakurdwar Brass Works, Manufacturers of Brass Fittings for Buildings, Furniture, etc. Factory, Show-room and Office: Surya Mahal, Thakurdwar, Bombay 4.

Thana Electric Supply Co. Ltd., Court, House, opp. St. Xavier's High School, Dhobi Talao, Bombay.

THANA TEXTILE ROPE WORKS, "Sun Brand" Pink Ply Cotton Rope Manufacturers and Merchants, Crescent Chambers, 1st Floor, Tamarind Lane, Fort, Bombay. Phone: 31953. Grams: "Pick-rolls."

THANAWALA, B., & SONS, LTD., Manufacturers of "National" Cotton Driving Ropes & Spindle Tapes, etc., 47, Tamarind Lane, Fort. Tel. No. 23735 and Factory Tel. No. 87540. Tel. Address: "Enginerope."

Thanawala, M. J., & Co., M. Best Cotton Rope Manufacturers, 47-49, Forbes Street, Fort.

Theosophy Co. (India), Ltd., Jehangir Wadia Building, 51, Mahatma Gandhi Road, Fort. Phone No. 24065. Tel. Address: "Aryahata."

THE SURAT ELECTRICITY COMPANY, LIMITED, CENTRAL ADMINISTRATION DEPARTMENT, "Electricity House" Santa Cruz (East), Bombay 25, P. O. Box No. 6802. Officers: P. D. C. Clark, C.A., J. A. Colaco, B.E., A.M.I.E.E., W. R. T. Head, R. D. Modak, B.Sc., B.A. (Hons.), B.S.E.E. (Columbia), G. Markham. Telephone: "Aiseba." Santa Cruz Telephone No. 89148. Managing Agents: Killick Industries Ltd., Home Street, Fort, Bombay. Local Office and Generating Station: Tlak Maidan, P.O. Box No. 20, Surat. (Ref. Surat Section).

THOS. COOK & SON (Continental & Overseas) LTD., Cook's Building, Hornby Road, Fort. Tel. Address: "Coupon." Phone No. 26073 (five lines). Travel Dept.: Sea, Air, Rail, Road, Freight Dept.: Import, Export, Baggage. Foreign Exchange Dept.: Bills, Letters of credit, Travellers' cheques.

THOMAS KORULA, Manufacturer of Rubber Products and Merchants. Great Social Building, Sir Pherozshah Mehta Road, Fort. Phone No. 30419. Grams: "Zircon."

Thos. W. Ward (India) Ltd., Engineers, Specialising in Industrial Equipment, Marshall Building, Ballard Road, Bombay.

THOMPSON COMPANY (EASTERN) LTD., J. WALTER, International Advertising and Merchandising Consultants, Lakshmi Building, Sir Pherozshah Mehta Road, Edward J. Fielden, Managing Director. Branches at Calcutta and Delhi, and Offices throughout the world

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THOMSON & TAYLOR LIMITED, Pharmaceutical and Manufacturing Chemists and Druggists. 117-119, Mahatma Gandhi Road, Fort. Phone No. 20911. Tel. Address: "Deodorant."

Tiddal Publicity, Advertising, Publicity & Market Research, Jannabhoorn Chambers, Fort Street, Ballard Estate.

Timber Wood Syndicate, Timber Merchants. H. O.: Ghodbunder Road, Andheri, Bombay. Branch Husaini Lakda Bazar, Bellasis Road, Bombay 8.

"TIMES OF INDIA," THE, See Bennett, Coleman & Company, Ltd.

Tirathram Kashimralal, Iron, Steel & Hardware Merchant. 89, Nagdevi Cross Lane, Bombay 3.

Tolaram's, Importers, Exporters and Manufacturers of High Class Ladies' Handbags, Belts, Chappals, Bill-folds, Wholesale and Retail Dealers in Silks, Fluorescent Lights, and General Merchandise, Rehman Mansion, 30, Colaba Causeway, Bombay 1. Tel. Address: "Atolarams". Phone: 35588.

TOPLIS & HARDING (EASTERN) LTD., Assessors and Surveyors to Insurance Companies and Underwriters, Alice Buildings, 339, Hornby Road, Bombay 1. Phone: 20447. Directors: J. W. Perry, N. J. P. Hawken, C. H. Hardcastle, E. J. S. Andrews. Assistant: H. G. Hudson (Aviation).

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Trades Establishments (India) Ltd., Manufacturers of Bobbins, Vegetable Tallow and Stockists of all kinds of Mill Stores, 104, Apollo Street, Fort.

Trading Company late Hegt & Co. Ltd., Indo House, Douglas Road, Ballard Estate, P.O. Box 101, Bombay. Phone No. 22135. Tel. Address: "Noordhoek" Importers, Exporters and General Merchants.

General Agents: KLM Royal Dutch Airlines, Air Booking Office at Taj Mahal Hotel.

TRAPINEX (EASTERN) LTD., Marshall's Building, Ballard Road, Bombay. Transfer Manufacturers, Specialists in Screen printing, show caps, etc. Phone Nos. 32009 & 32060 (Office) & 21333 (Factory). Grams: "Hatchway."

TRIANGULAR MOTORS LTD., New Queen's Road, Bombay.

Dealers in Daimler, Lanchester, Hudson, Standard, Triumph, Spare parts, International Trucks.

Tel. Address: "Motorsales."
Phone: 32050 (2 Lines).

Tribhovandas Bhilmi Zaveri, Jewellery, Gold & Silver Merchant, 211-43, Sheikh Memon Street, Bombay 2.

Tribhovandas Bhikhabhai, General Importer and Exporter, 223-25, Shroff Bazar, Bombay 2.

Tribhovandas Sons Ltd., 70, Dadyseth Agriary Lane, off Kalbadevi Road, Bombay 2. Suppliers of Pipe Fittings, Hardware, Mill Gin Stores.

Trikanlal, B. & Co. Ltd., Importers & Exporters, 199, Princess Street, Bombay 2.

Trinity Electric Syndicate, Electrical Engineers and Contractors, Princess Street, Bombay 2. Proprietor: N. R. Khambati, B.A., A.M.I.E.E., Chartered Electrical Engineer. Manager: M. R. Khambati, B.A. Engineer: N. N. Khambati, L.E.E. Phones Office: 25301, Res. 72997. Tel. Address: "Solenoid." Agents: Felten & Guillaume Carlswerk, Aktiengesellschaft, Kohn-Mulheim, Germany for Power, Telegraph, Telephone & Signalling cables. Stensholms Fabriks Aktiebolag, Huskvarna, Sweden for Thermostats and Rotary Switches.

Trinity Mutual Assurance Co., Ltd., Sambava Chambers, 40-A, Sir Pherozshah Mehta Road, Fort.

Trinity Watch Co., Direct Importers of Watches, Clocks, Time-pieces, Watch Parts, Plastic Straps & Jewellery, 46A, Abdul Rehman Street, Bombay 3.

TRITON INSURANCE CO., LTD., THE (Incorporated in India), United India Life Building (3rd Floor), Sir Pherozshah Mehta Road, Fort.

Post Box No. 115. Phone: 26095. (2 Lines). Tel. Address: "Trident." Acting Branch Manager:—Wasudeo D. Shembavanekar.

(Fire, Marine, Workmen's Compensation, Burglary and Motor).

Trivedi, R., & Co., Indentors of Iron & Steel Hardware, Silk, Spun, Woolen and Rayon Yarn, Stationery and Chemicals, Exporters of Manganese Ore & Ilmenite, Lalsingh Building, Lohar Chawl, Bombay No. 2. Tel. Address: "Winningcup." Phone Nos. 24371 and 89315.

Triveni Provident Society Ltd., The, Regd. Office: Jan Mansion, Sir Pherozshah Mehta Road, Fort.

Tropical Engineering Co., Engineers & Contractors, Lakshmi Building, 3rd Floor, Sir Pherozshah Mehta Road, Fort.

Tropical Insurance Co., Ltd., Underwriters, Life, Fire, Marine, Craft, Motor and Accidents, 32, Apollo Street, Fort. Phone Nos. 27815 & 27720. Tel. Address: "Trolico." Bombay Administrators' Representative: S. V. Natham. Head Office New Delhi Administrator: S. Vaidyanathlyer.

TULSIDAS KHEIMJI, Clearing, Forwarding, Shipping, Freight & Insurance Agent. 46, Vicer Nariman Road (Churchgate St.), Bombay 1. Tel. No. 32084 (3 lines). Tel. Address: "Nachuketa." Travel Service of all kinds, and Warehouse accommodation.

Agents:

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TURF AERATED WATERS LTD., 69, Tarde Road, next to Victoria Memorial School for Blind, Bombay 7. Phone No. 10632.

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TURNER, HOARE & CO., LTD., Engineers. Head Office: Gateway Building, Apollo Bunder, Bombay. Branch Offices: Kapsia Bazar, Ahmedabad; 27, Bra-bourne Road, Calcutta. 9-A, Connaught Place, New Delhi; 24/18, The Mall, Kanpur; 35/5, Mount Road, Madras. Directors: K. C. Mahindra, A. D. Shroff, P. C. Mahindra and Keshub Mahindra. General Manager: P. G. Bhagat, Secretary: P. N. Mistry; Assistants: A. D. Khan, P. L. Vahu, K. R. Diwanji, G. R. Rao, G. C. Mirchandani and K. H. Aswaul.

Agents for—

Activated Sludge Ltd., London. (Activated Sludge Process.)

Ammonia Co. of Australia, Ltd., Sydney. (Ammonia Products.)

Anlvens Etablissements Brissoneau et Lotz, Paris, France. (Air Conditioning Equipment.)

S. Appleyard & Co., Halifax, England. (Punching & Shearing Machines.)

Arthur Balfour & Co., Ltd., Sheffield. (Tool, Steel, Small Tools, etc.)

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Charles Winn & Co., Ltd., Birmingham. (Screwing Machines, Boiler Mountings, etc.)

Compactors Engineering Ltd., London. (Concrete Vibrators and Soil Compactors.)

Copycat Associated (Marketing) Ltd., London. (A type of copying arrangement.)

Davies and Metcalfe Ltd., Romley (U.K.). (Injectors, Ejectors, Lubricators, etc. for Locomotives and Boilers.)

Diamond Motors (Wolverhampton) Ltd., London. (Grainley Pedestrian Controlled Electric Vehicles.)

Frains Jourdan Monneret, Paris. (Vacuum Brake Equipment.)

Thomas Green & Son, Ltd., Leeds. (Road Rollers.)

George Elliot & Co., Ltd., Cardiff. (Wire Ropes.)

Goodwin Barsby & Co., Ltd., Leicester. (Stone Breakers, Concrete Mixers.)

J. Harrison Carter Ltd., Dunstable (U.K.). (Disintegrators.)

Hartleys (Stoke-on-Trent) Ltd. (Sewage Machinery.)

Hibberd, F. C. & Co., Ltd., London. (Diesel Locomotives.)

Holophone Ltd., London. (Illuminating Specialists.)

Hawchlin Ltd., London. (Alternators.)

Fairbanks, Morse & Co., Inc., New York. (Pomona Deepwell Pumps.)

Foamite Ltd., Langley. (Fire-Extinguishing Appliances.)

Jones & Attwood, Ltd., Stourbridge. (Comminuter for Sewage Screening & Disintegrating.)

Leeds Meter Co., Ltd., Leeds. (Water Meters.)

Les Ateliers Mecaniques, Belgium. (Springs of all types.)

National Gas & Oil Engine Co., Ltd., Ashton-under-Lyne. (Horizontal, Vertical Diesel Engines, Marine and Gas, Engines.)

Pulsometer Engineering Co. Ltd., Reading. (Pumps of all kinds.)

Reavell & Co., Ltd., Ipswich. (Air Compressors.)

Beddaway, F. & Co., Ltd., Manchester. ("Camel Hair" and Cotton Belting, Fire Hose and Rubber Goods, etc.)

Small Electric Motors Ltd., Beckenham (U.K.). (Fractional Electric Motors.)

Waygood-Otis, Ltd., London. (Lifts for Passenger and Goods Service.)

Office Phone Nos. 37131, 37132 and 37133. Grams: "ENDEAVOUR", Bombay.

TURNER, MORRISON & CO., LTD., 16, Bank Street.

Directors—Calcutta: B. R. T. Greer, C. O. Fountain, L. W. Balcombe, J. A. Gloag and B. L. H. Coles.

Bombay—A. H. Hume and W. A. Wiles.

Assistants: R. C. Bainbridge, C. P. Cowell, A. J. Hormasji, hold powers of Attorney, Mirza Asafali Khan, C. Hardy, S. V. Desai, Capt. T. Tod and W. K. Wishart.

Managing Agents—Alecck Ashdown & Co., Ltd.—The Mogul Line, Ltd.

Agents—Asiatic Steam Navigation Co., Ltd. (Incorporated in England), N. V. Stoomvaart Maatschappij "Nederland"—Amsterdam. N. V. Rotterdamsche Lloyd, Rotterdam, Indo-China S. N. Co., Ltd., The Bank Line Ltd., The Royal Mail Lines Ltd., The Port Line Ltd., Furness Withy & Co., Ltd., Shaw Savill & Albion Co., Ltd., MacAndrews & Co., Ltd., The Athel Line Ltd., P. Wigham Richardson & Co. Ltd., Common Brothers Ltd., The Pacific Steam Navigation Co., Ltd., Shalimar Paint, Colour and Varnish Co., Ltd., Shalimar Tar Products (1935) Ltd., Scottish Union and National Insurance Co. (Life, Fire and Accident), The Maritime Insurance Co., Ltd. (Incorporated in England).

Corresponding Firms—Messrs. Geoffrey, Turner & Co., Ltd., 7, St. Helen's Place, Bishopsgate, London, and Turner, Morrison & Co., Ltd., Calcutta and Chittagong.

Codes used.—A.B.C. 6th Edition, Bentley's, Bentley's Second, Scott's B&B Old and New and Private. Tel. Address: "Morrison." Phone Nos. 26561, 26562, 26563, 26564, 26565, 26566, 26567. P. O. Box No. 194.

20th Century-Fox Corp. (India), Ltd., Metro House, Mahatma Gandhi Road. Tel. Address: "Centfox." Phone No. 26086 (Two lines). Post Box No. 765.

TYRESOLES CONCESSIONAIRES LTD., Regd. Office.—Ewart House, Bruce Street, Bombay 1. Phone: 26261. Factory.—Sayani Road, Bombay 28. Phone: 60377. Grams: "Tyresoles." **Managing Agents:** The Anglo-Thai Corporation, Ltd.

Unichem Laboratories, Manufacturers of Pharmaceuticals, Bombay 26.

UNION ASSURANCE SOCIETY LTD., 9, Wallace Street, Fort. Tel. Address: "Cuaco." Phone No. 31048. Post Box No. 329. Fire and Accident. Constituted Attorney—W. Roberts.

Union Insurance Society of Canton, Ltd., Hongkong Bank Building, Vir Nariman Street. (Fire—Marine—Motor—Accident & General).

Union Life and General Insurance Co., Ltd., The, Registered Office: Dady House, Vir Nariman Street, Fort. Post Box No. 598.

Union Press, all kinds of printing undertaken, 13, Homji Street, Fort.

Union Provident Society, Ltd., The, Neptune Building, 166, Hornby Road, Bombay 1. Telegrams: "Neptune." Telephone No. 24142.

Union Publicity Service, Advertising Agents, & Consultants, 232, Hornby Road, Fort. Phone: 32723. Branches at 7, Kandy Chetty Street, G.T., Madras and 11/1, Dacres Lane, Calcutta 1.

Union Trading Co. (Bombay) Ltd., Manufacturers' Representatives & Provision Merchants, Arya Bhuvan Building, Graham Road, Ballard Estate, Fort.

Unique Motor & General Insurance Co. Ltd., Noble Chambers, Parai Bazar Street, Fort, Bombay. Phone No. 27164. Tel. Address: "Uniqmotor". Motor Insurance—A speciality.

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Unique Trading Corporation, 51-53, Babu Genu Road (New Hanuman Lane), Bombay 2. Phone: 26983. Grams: "Unilab." Importers & Stockists of Scientific Apparatus, Laboratory Glassware, Authorised Distributors for "Whatman" Filter Papers.

Unisales (India) Ltd., Diesel Engines, Deepwell Pumps, etc., 27-33, Meadows Street, Fort, Bombay.

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UNITED GLASS WORKS LTD., Manufacturers of Glasswares. Office: 111, Bhandari Chakia Street, Bombay 3. Phone: 32912.

Factory:—Silver Compound, Society Road, Andheri. Phone: 86159. Grams: "Glassbota".

United Import Co., The, Importers & Exporters of Bobbins, Hardware, Chemicals, Papers, Crown Corks, etc., 67-69, Mahomedally Road, Bombay 3.

United Importers Corporation, Toys Importers & Wholesalers, Phalton Road, Bombay 1.

United India Engineering Co., Engineers & Machinery Dealers, 76, Old Custom House Road, Fort, Bombay. Phone No. 24602. Tel. Address: "Union Aram."

United India Fire and General Insurance Co., Ltd., The, United India Building, Sir Pherozshah Mehta Road, Bombay. (Fire, Marine and Accident.) Branch Manager, P. H. Shukla; Asst. Branch Manager, S. H. Shukla, M.A., LL.B. Phone No. 24602, Office. Tel. Address: "Unigen."

United India Life Assurance Co., Ltd., United India Life Building, Sir Pherozshah Mehta Road, Fort.

United Industries Corporation, Dealers in Pharmaceutical Products. Yusuf Building, 3rd Floor, Vir Nariman Street, Fort, Bombay.

United Industrial Equipment Company, Direct Importers & Stockists of Electrical Machinery, 21, Western India House, Sir Pherozshah Mehta Road, Fort.

UNITED LINER AGENCIES OF INDIA LTD., Kaiser-I-Hind Building, Ballard Estate, Post Box No. 1281, Bombay and at Calcutta and Madras.

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Telegraphic Address:—"ULINERS" (all offices).

Telegrams: "SUREWIN" THE UNITED MILL STORE (INDIA) (ESTD. 1943)

On the Government & Railway List. Importers & Stockists of:—G. I. and Steam Pipes, Fittings, Mill, Gm Stores, Tools, Machinery, Hardware Merchants and General Order Suppliers. 65/67, Nagdevi Cross Lane, Bombay 3.

United Mining & Industries Ltd., Mines of Manganese, Iron, Palroties and Galleon 381, Hornby Road, Fort.

UNITED MOTORS (INDIA) LTD., Dealers for Ford and Fordson Cars, Trucks, Tractors and Agricultural Implements, English Electric Refrigerators. Also genuine Ford Parts. Sales Department for the above and Service Station, Hughes Road, Bombay. Phone No. 42068 (2 lines). Tel. Address: "Autoford." Workshop, Stores and Breakdown Service, Arthur Bunder Road, Colaba. Phone: 35031 (2 lines). Tel. Address: "Colabaford."

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United Pharmaceutical and Chemical Co., Dealers in Heavy Chemicals, Tinctures & Tonic Wines, 22, Apollo Street, 2nd Floor, Fort.

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UNITED SCOTTISH INSURANCE CO., LTD., THE, Hongkong Bank Building, 16, Veer Nariman Road, Fort. Tel. Address: "Uniscot." Post Box No. 125. Phone No. 22084 (3 lines). Attorney: C. R. C. Gardiner, O.B.E., J.P. Assistants: S. W. J. Holt, D. S. Balvally, D. L. Sutherland, T. P. Panthakey, F. Pitcher, B. R. Smith, R. C. Katrak, D. H. Karani.

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Sole Representatives in India of The United Steel Companies Ltd., Sheffield, England, and of its associated companies, including:—

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(8) Shipmans (Sheffield) Ltd., Sheffield, England. Products:—Silver steel and polished Music Spring Wire.

UNITED TRADERS LTD., P. O. Box No. 822, Bombay. Tel. Add.: "Utradel." Head Office:—Scindia House, Ballard Estate. Phone: 27291. Textile Dept.—Indian Mercantile Chambers, Ballard Estate. Phone: 32316. Branches—Bombay, Delhi, Calcutta and Madras. Importers, Exporters and Distributors.

Universal Commercial Service, 172/174, Hornby Road, Fort, Bombay. Grams: "Everyour." Commercial Status Inquiry, General Superintendence, Show-room Service, Mailing and Publicity Service.

Universal Electric Co., Stockists of G.E.C. Products, 73-75, Lohar Chawl, Bombay 2. Phone: 23744. Grams: "Caltire."

Universal Export & Import Co., Behind Roxy Cinema, Swadeshi Mills Estate, New Queen's Road. P.O. Box 740, Bombay. Agents for: Starline Chinese Lacquer Paints; Dakin Bros. Ltd., London, for Drugs & Chemicals; Ganpati Brand Glusol Powder. Phone No. 21446.

UNIVERSAL FIRE & GENERAL INSURANCE CO., LTD., Universal Insurance Building, Sir Phirozshah Mehta Road, Fort, Bombay. (Fire-Life Marine-Motor-Accident and General.) Phone Nos. 30829, 30820, 30820. Grams: "Unifire," Bombay.

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Usha Textiles & Machinery Corporation, Mill Stores & Machinery Merchants. 75, Tamarind Lane, Fort, Bombay.

Usha Trading Co., Provision, Confectionery & Medicine, 44, Dadyseth House, Cowasji Patel Street, Fort, Bombay 1.

UTILITY TRADES CORPORATION LTD., Registered Office: French Bridge, Bombay 7.

Managing Director: O. Nielsen. Tel. Address: "Battery." Phone: 42654.

Manufacturers of "HART" & "LION" Batteries, Sales & Service stations in all principal towns in India.

Uttamchand, K., & Co., Direct Importers of Electrical goods. 179-181, Lohar Chawl, Bombay 2.

Uttam Singh Kesar Singh, B., Dealers in Paints, Enamels, Varnishes. 108, Narain Dhuru Street, Bombay 3.

V. DAS & CO., LTD., Sole Concessionaires for Commercial Textile Corporation, High Class Hosiery Manufacturers. Head Office: Cannanore (Malabar). Grams: "Clitci". Sales Office: Thanuwalla Building, 114/118, Chalka Street, Bombay 3. Grams: "Luxcline."

Vadilal & Co., Marble & Tiles Merchants. 483, Duncan Road, Bombay 4. Phone No. 72368.

Vallabhdas Mohanlal & Co., Exporters of Textiles, Hosiery, Spices, Ghia Building, Princess Street, P.O. Box No. 2200, Bombay 2. Phone: 25293. Grams: "Vallabhu."

VALABHIDAS TEJPAL, Wholesale Dealers in Spices, Cloves, Gums, Asafoetida, Musk, Ambergris, Saffron, etc., 219, Vadgadi, Bombay 3. Phone No. 71878. Tel. Address: "Battlement."

Van Reekum Paper, Ltd., Importers of all kinds of Paper Board & Pulp. Shale Building, Bank Street, Fort, P. B. No. 862, Bombay 1.

Vanguard Studios, 365, Girgaon Road, opp. Thakurwar P. O., Bombay 2.

VAPSON PRODUCTS.

Manufacturers of Dyes, Textile Chemicals and Auxiliary Products.

Rahimtoola House, Homji Street, Fort, Bombay.

Phone: 27838.

Grams: "VARIAMINE".

Varjivandas Padamsahi & Company, Exporters, Importers and Manufacturers' Representatives. M. J. Cloth Market Govind Galli, Bombay 2.

VARJIVANDAS HIRJEE & CO., Asafoetida, Saffron, Cardamom, Gum, Arabic Gum, Karaya and Spices Merchants. Importers & Exporters. Sole Importers of "Shree Vishnu" Brand Pure and Genuine Saffron, 240, Samuel Street, Vadgadi, Bombay 3. Tel. Address: "Samsarit." Phone No. 70954.

VARTAK, B. B., The premier house for all Photographic requirements, Developing, Printing, Enlarging and Expert Camera Repairs, Portraits and Group Photo Studios, 187, Hornby Road, Fort. Phone No. 25115.

VASANT INDUSTRIAL & ENGINEERING WORKS, Manufacturers of Oil Refineries, and Vegetable Ghee Plants, Textile Dyeing, Bleaching, Printing and Finishing Machinery and Electro-chemical Plants for Caustic and Chlorine. 470-71, Worli Road, Bombay 18. Proprietors: H. A. Shah & Co. Phone No. 41037. Works—74220. Tel. Address: "Astronomy".

VASANT INSURANCE CO., LTD., Regd.
Office: 26-A, Sir Phirozshah Mehta
Road, Fort, Bombay. Tel. Nos. 33785
and 28621. Tel. Address: "Vasantico."

Directors:

Prof. S. M. Shah (Chairman).
Sankalchand G. Shah.
M. B. Billimoria.
Rao Sahib V. C. Jaday.
Sri Bhadratsinhji, Chief of Multhan.
Kanishka H. Kaji, LL.B., Advocate
(O.S.)
Ashok H. Kaji, M.Sc., J.P. (Managing
Director)

Vasant Traders, Wholesale & Retail paper
Merchants, 10, Cow Lane, Kandewadi,
Bombay 4.

Vasav & Company, Dealers in Chemicals and
Sizing Materials, Vadgadi, Bombay 3.

Vasudeva
Limited

Radio Refrigeration Engineers, and In-
surance Agents, *Managing Agents*, The
National India Development Co., Ltd.
Principal Agents: The National Security
Assurance Co., Ltd. *Chief Adminis-*
trative Office: United India Life Build-
ing, 11th Floor, Sir Phirozshah Mehta
Road, Bombay. *Showroom*: New
Queen's Road, Bombay 4. Telephone
No. 30642—Workshop 42469. Telegraphic
Address: "Vasudevaco". *Calcutta*
Office: 15/5, Chowringhee Road, Grand
Hotel Arcade, Telegraphic Address:
"Melody". Telephone No.: *Showroom*:
1551. Workshop: P. K. 1673. *Branches*
& Agencies:—All Over India. *Special*
Director:—H. D. Vasudeva. *Residence*:—
Carmichael House, Carmichael Road,
Bombay. Telephone No. 40127.

Vasudev Mitra & Co., Dealers in Fine,
Heavy & Pharmaceutical Chemicals.
Suppliers of Paper & Mill Gin Stores.
Dady Seth House, Cawasji Patel Street,
Fort, Bombay 1. Phone: 28182.
Grams: "Ashwinco." *Depot*: 108,
Ardeshir Dady Street, Near C. P. Tank,
Bombay 1.

Vasd Shams & Co., Ltd., Mill & Sugar
Factories Stores Suppliers, 105/67, Nag-
devi Street, Bombay 3

VASUNIA, J. P., & CO., LTD., Dealing in
Cotton Piecegoods, Cotton Yarn, Silk
Piecegoods, Silk Yarn, Rayon Piecegoods,
Rayon Yarn, Cassid, Towels and all
Sundry Articles, 38, Wyndham Street,
P.O. Box 406, HONGKONG. Grams:
"Vasunia." Refer to E. F. Kavarana &
Co., Botawalla Building, Bomanjee Master
Road, Bombay 2. Phone: 23181.

Vatsha, N. D., Importers & Exporters,
General Assurance Building, Fort.

Velji & Co., Shri Krishna Nivas,
285-305, Musjid Bunder Road, Bombay 3.
Phone No. 21650. Tel. Address: "Malde."

Velji Kalidas & Sons, Importers & Exporters
and General Merchants, 177, Samuel
Street, Bombay 9.

VELU & CO. LTD., P. K. Paints and
Chemicals, Post Box No. 514, Bombay 1,
Petit Building, Flora Fountain, Bombay 1;
Phone: 35429; Grams: "LACQUER".

Venkatrao A. Pal & Sons Ltd., Chemicals,
Dyes and Textile Auxiliaries Merchants,
156-A, Tardeo Road, Bombay.

VENSIMAL BASSARMAL & BROS.,
Krishna Nivas, New Silk Bazar, Kalbadevi
Road, Bombay 2. Phone: 30953. Gram:
"Vensimal." Official Travel Agents,
recognised by the Ministry of Transport,
Government of India, Principal Steamship
Lines, Airlines, and Railways. Branches:
9, Parla Patti, Bura Bazar, Calcutta 7.
Phone: Jorasanko 3873 and Naya
Bazar, Ameer. Phone: 278. Grams:
"Venbasha."

Venus Textile Syndicate, Textile Machinery
parts manufacturers, Sambava Chambers,
2nd Floor, Sir Phirozshah Mehta Road,
Fort.

Venus Trading Syndicate, Oil Engines and
Machinery Dealers, 17, Forbes Street,
Fort, Bombay.

Vermitt Co. (India), Manufacturers and
Importers of Insecticides, Disinfectants,
Detergents and Polishes, 107, Wodehouse
Road, Bombay. Phone: 35723. Grams:
"Killpest."

Vibha Industries Ltd., Manufacturers of
Magic Toys, Mathematical Puzzles and
other fancy Goods, Arches 2, 3, 4 under
Mahalaxmi Bridge, Opp. Race Course,
Bombay 11

VICKERS (EASTERN) LIMITED, Killick
Building, Horn Street, Bombay. Phone:
30901. Grams: "Vickludo". *Managing*
Agents:—Killick, Nixon & Co. Ltd.,
Representing:—Vickers-Armstrongs, Ltd.,
Metropolitan Cannel Carriage & Wagon
Co. Ltd.

Bombay Manager, J. H. Spurr.

Victoria Sanitary Stores, 54, 3rd Bhoiwada,
Bhuleshwar, Bombay 2.

Vijay Engineering & Machinery Co.,
Machinery Merchants, Importers &
Exporters, Shop No. 6, Bombay Mutual
Annexe, Cowasji Patel Street, Fort,
Bombay.

Vikram General Assurance Ltd, 11,
Bank Street, Fort.

Vikram Padamsey & Co., Rustom Building,
29, Churchgate Street, Fort. Tel. Address:
"Vaxin." Phone No. 31617. Im-
porters of Chemicals, Drugs, Pharma-
ceutical Products, etc. Exporters of
Gums, Spices and other Indian raw
produce. Head Office: Bombay.
Depots: Madras, Delhi, Calcutta.

Vinay Calendar Co., Colour Printers, Litho-
graphs & Packing Specialists, 104,
Ardeshir Dady Street, Bombay 4.

Viran Ladha & Co., Cotton Importers and
Exporters, 288, Narsi Natha Street,
Bombay 9. Phone No. 22464. Tel.
Address: "Viriladha".

VERONA TRADING COMPANY, Manu-
facturers of Pharmaceutical & Biological
Products. Manufacturers' Representa-
tives and Direct Importers of Scientific,
Surgical and Medical Requisites, Labora-
tory wares, Contraceptives and Hygienic
appliances. Davar House, 199, Hornby
Road, P.O. Box 400. Bombay 1.

Vishwabharati Insurance Co., Ltd.,
Underwriters:—Fire, Life, Motor,
Accident & Marine, Noble Chambers,
Parsee Bazar Street, Fort. Phone: 24981.
Grams: "Vibharati."

VITTEL PURSHOTUM & SONS LTD.,
Precision Spare Parts of Textile & Sugar
Mills, Rotary Oil Mills, V. Rope Pulleys
and Mill Gearing our speciality.
Agents for "Robson" Horizontal Crude
Oil Engines & Spares, 2nd Khetwadi
Lane, Bombay 4. Phone No 75744.

Vithaldas & Company Esd., East Africa,
General Merchants, Importers & Ex-
porters, 75, Khand Bazar, Bombay 3.

VITRUM (GLASS) PRODUCTS, Office:
Hannant Bhuvan, Nepean Sea Road,
Bombay. Manufacturers of all kinds of
Bottles and Glass Containers for Pharma-
ceutical Cosmetics and other Industries.
Factory: Haines Road (West), Bombay 11.
Phone: 72458. Grams: "Vitglass."

VITRUM LTD., Suppliers of all kinds of
Bottles and Glass containers for Pharma-
ceuticals, Cosmetic and other Industries,
Hannant Bhuvan, Nepean Sea Road,
Bombay. Phone. 72158. Grams: "Vit-
glass."

VOLKART BROTHERS, Volkart Building,
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Bombay 1. Swiss Firm Established 1861.

Partners: Georg Reinhart, Peter Reinhart,
Balthasar Reinhart.

Head Office: Winterthur. (Switzerland).

Branch Offices: Volkart Brothers,
London, Bombay, Calcutta, Cochin,
Madras, Delhi, Tellicherry, Karachi,
Lahore, Chittagong, Colombo, Shanghai.

Corresponding Firms: Volkart Brothers,
Co., New York, Volkart Brothers, Inc.,
New Orleans, Boston, Pasadena, Brown-
ville, Memphis, Dallas, Volkart Hermanos
de Mexico S.A. de C.V., Mexico.

Volkart Irmãos Ltda, São Paulo.
Volkart Brothers (Canada) Ltd., Montreal.
Volkart G.m.b.H., Bremen 1.
Volkart Brothers Turk Ltd., Izmir.

Nichizul Trading Co., Ltd., Osaka, Tokyo.
Managers: R. H. Schuupp; A. Mueller.

Departments: Cotton, Cotton Futures,
Waste Fibres, Shipping and Air Lines
Agencies Insurance, Factories, Engi-
neering (Electrical, Mechanical, Textile,
Air Conditioning, Refrigeration, Agri-
cultural), Import (General, Chemicals,
Pharmaceutical, Typewriters), Export.

Telegrams: "Volkart."
Telephone: 26551 (10 lines).

Codes: Universal Trade Code, Bentley's
Complete Phrase, Bentley's Second,
A.B.C. 6th Edition.
Post Box No. 199.

Vora, J. C., & Co., Dealers in Hardware,
Bolts, Nuts & Screws, Automobile Parts
& Engineering Stores, 107, C.P. Tank,
Bombay 4. Tel. Address: "Godsall."

VULCAN TRADING CO. LTD., Indian
Mercantile Chambers, Nicol Road,
Ballard Estate, P.O. Box 254. Phone
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Importers and Agents for:—

Electrolux Refrigerators, Vacuum Cleaners
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tionary Compressors, Pneumatic Equip-
ments, Hard Metal Tipped "Coromant"
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fars Glassware, Vademecum Mouth Wash,
Paints, Printing Machinery, Bookbinding
Equipment, Printing Inks, Wallboards,
Chemicals, Aug. Stenmen's Screws and
Builders' Hardware, Primus Lanterns,
Stoves, Blow Lamps and spare parts.
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Sandvikens Saws, Oberg's Files, Danish
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WAKEFIELD, C. C. & CO., LTD., White House, 91, Walkeshwar Road, Head Office for India, Burma and Ceylon. Manufacturers of Industrial Lubricants, the famous "Castrol" Motor Oils, Mechanical & Hydrostatic Lubricators and Castrol Garage Equipment.

Manager for India : W. Freestone.

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Grams : 'Lortasac.' Phone : 27011 (2 lines).

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WAKEFIELD PAINTS LTD.

Manufacturers of Ready Mixed Paints, Varnish Paints, Enamels & Specialties.

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WALCHANDNAGAR INDUSTRIES LTD., Construction House, Ballard Estate, Bombay. Sugar Manufacturers. Sugar Factory at Walchandnagar, P.O. Walchandnagar, District Poona.

Agents :—The Premier Construction Co., Ltd.

Telegraphic Address : "Walsakhar".

Telephone No. 26086 (five lines).

WALLACE & CO., Merchants, 9, Wallace Street. Partners : Hon. P. M. Thesiger, Europe; W. G. Lely, Europe; A. F. Wallace, Europe; A. F. L. Thesiger, Europe; Sir A. A. Bruce, Europe; The Bombay Co., Ltd., Bombay Managers. R. E. Forrester and J. F. Parry, Bombay. Secretaries, Treasurers & Managers of the Bombay-Burmah Trading Corporation, Ltd. and the East India Rubber Corporation, Ltd., Agents for : F. F. Chestien & Co., Ltd., Union Insurance Society of Canton Ltd., Commercial Union Assurance Co., Ltd. and The Oriental Fire and General Insurance Co., Ltd. Tel. Address : "Rornford." Phone No. 25032. Post Box No. 201.

Wallace & Co., J. P., Machinery and all supplies for Textile Mills, Shale Building, 28-32, Bank Street, Fort. Phone : 20829. Grams : "Walpy".

Wallace Flour Mills Co., Ltd., Registered Office : 9, Wallace Street, Fort. Telephone : 26281.

Wallace, P. R., & Sons, Ltd., Elphinstone Building, 10, Churchgate Street, Fort.

WALLEM & CO. (INDIA), LTD., Warden House, Sir Phirozshah Mehta Road, Fort, Bombay 1. Grams : "Wallemco." Phone Nos. 32633, 33261 & 34411. Offices at Karachi, Hongkong, Kobe & Bergen (Norway). Shipping Agents, Airline Agents, General Merchants.

Waltham Trading Corporation Ltd., Importers & Exporters, Jannabhooni Chambers, Fort Street, Bombay 1. Branch Office : 12, Little New Port Street, London, W. C. 2.

Waman Hari Pethe, Pearl & Jewellery Merchants, Pethe Building, Girgaum Road, Bombay 4.

WARD, THOS. W. (INDIA) LTD. (Subsidiary of Thos. W. Ward Ltd., Sheffield), Registered Office :—Marshall Building, Ballard Road, Fort, Bombay. Phone No. 22299. Telegrams : "Wardsmen". Manufacturers' Agents, Engineers and General Merchants. Directors : George Wood (Chairman), Norman W. Keyworth, Harold W. Becker, Harold Vernon, George Stuart Wood, Henry D. Mayes, Stanley Jessop (Managing), Charles R. Harkcom, Secretary.

WARDEN & CO., LTD., Manufacturers of Waterproof Paper, Waxed Paper, Paper Bags, Cement Bags and Importers of Rayon yarns & Staple fibre, 62, Lamington Road, Byculla, Bombay 8. Phone : 45944. Tel. Address : "Wardenco."

WARDEN INSURANCE CO., LTD. (Estd. 1923), Warden House, Sir Phirozshah Mehta Road, Fort. Transacting : Life, Fire, Accident Business; Managing Director : S. H. Thaker; Phone : 22011 (3 lines). Grams : "Nedraw."

WASSIAMULL ASSOMULL & CO., Landlords & Bankers. Importers-Exporters & Manufacturers, 3-A, Churchgate Street, Fort, Bombay. Phone Nos. 26487 & 27830. Grams : "Wassiamull."

Import & Export Office (Fabrics) : Wassiamull Assomull & Co., 3A, Churchgate Street, Bombay 1. Direct Importers & Exporters of Woollen, Silk, Art Silk and Cotton Piece-goods and Yarn, etc. Phone : 26487. Grams : "Wassiamull."

Show-rooms (Ladies & Gents) : Wassiamull Assomull & Co., Departmental Stores, Churchgate Street, Bombay 1. Phone : 26487. Grams : "Wassiamull."

Wholesale Store : Wassiamull Assomull & Co., Bomanji Master Road, New Silk Bazar, Kalbadevi, Bombay 2. Wholesalers of all kinds of Textiles. Phone : 28650. Grams : "Wassiamull."

Import & Export Office (Sundries) : Wasco Enterprises, Sambava Chambers, Sir Phirozshah Mehta Road, Bombay 1. Exporters of Spices, Gums, Oils and Oil Seeds and Sundries and Metals, Iron Scrap, Iron and Manganese Ores, etc. Phone No. 26487. Grams : "Wascoent."

Mills : Wasco Hosiery Mills, near Marol Naka, Kurla-Andheri Road, Marol, Bombay (Sub.). Manufacturers of all kinds of Hosiery. Phone : 86244. Grams : "Wascoent."

Mill Depot : Wasco Depot, No. 9, Mohatta Cloth Market, Phaltan Road, Bombay 2. Wholesalers & Retailers of Wasco Hosiery. Phone : 28650. Grams : "Wascoent."

WATANMUL BOOLCHAND, Importer, Exporter & Manufacturers' Agent, 584, Kalbadevi Road, Bombay 2. P.O. Box 2233. Phone Nos. 33933 & 61595. Tel. Address : "Watanbool."

Waterproof Corporation Ltd., Manufacturers of Plain Jute Union and Hessian Cloth, 23-36, Imperial Chambers, Wilson Road, Ballard Estate, Fort.

WATERPROOF PAPER MANUFACTURING CO., LTD., Manufacturers of all kinds of Waterproof Paper in Rolls for packing, Textile Goods, Machinery, etc. Alice Buildings, 330, Dr. Dadabhai Naoroji Road, Fort, Bombay 1. Phone : 27017. Factory : Anjirvadi, Mazagon, Bombay 10.

Water Supply Specialists Ltd. Sole Agents for Meyer's Pumps, 8, Hamam Street, Fort, P.O. Box 684.

WEIL COMPANY, Chateau Marine, 41-B, Marine Drive, Bombay 1. Phone : 34593 (Import-Export). Cables : "Weilteco."

Agents & Distributors :—

Adrian & Klein, S. A. Benicarlo-Spain (Distributors for Essential Oils & Concentrates).

Eduard Ahlborn Akt.-Hildesheim, W. Germany (Machinery for the Milk and Cheese Industries).

Armstrong Cork Company, Lancaster, U.S.A. (Distributors for Crownorks).

Otto Bachmann, K. G. Saugau, W. Germany (Wrapping Paper, etc.).

Dr. Beck & Co., G.m.b.H., Hamburg, W. Germany (Insulating Material).

John A. Benckiser, Ludwigshafen—W. Germany (Citric, Tartaric Acid and Detergent).

Cavo, Bischofszell, Switzerland (Cider & Fruit Juices).

Chemische Werke Huls G.m.b.H., Marl, W. Germany (Solvents for Paint, Rubber & Food Industries).

La Citrique Belge, Tirlemont—Belgium (Citric Acid).

Crown Cork Co. (Belgium), S.A., Merxem, Belgium (Crown Corks).

Fabrique de Conserve de Rorschach S. A. Rorschach-Switzerland (Roco Canned & Bottled Provisions).

Florasynth Laboratories Inc., New York, U.S.A.

Florasynth Laboratories (Canada) Ltd., Montreal, Canada (Aromatic Chemicals, Essential Oils, Food Colours & Flavouring Essences).

Fruchsaft G.m.b.H. Stuttgart—Vaihingen, W. Germany (non alcoholic drinks).

J. Gazignaire & Cie, Golfe Juan, France (Natural, Synthetic, Essential Oils & Food Colours).

Samuel Jones & Co. (Export) Ltd., London. (Adhesives for Commercial and Industrial use).

Novus Backhaus & Huhnken, Hamburg—Germany (Novus Staples and stapling Machines).

Nu-Grape International Ltd., Hamilton—Bermuda, B.W.I. (Fruit Concentrates).

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Rayner & Co., Ltd., London (Essences & Colours).

B. Sagrera Soler, Barcelona—Spain (Cork Wood, Cork Waste, Corkdiscs, Corkpaper, etc.).

W. Sanderson & Sons, Messina, Italy (Essential oils).

H. L. Sterkel A. G., Ravensburg, W. Germany (Brushes).

Trumpf & Co., Stuttgart-Weilimdorf, W. Germany (Electric Metal Cutting Machines).

P. C. Turck Wwe., Lildenscheid/Westf. (Buckles, miscellaneous Hardware).

Vereingte Beckersche Werkzeugfabriken, Remscheid, W. Germany (Tools).

Westfälische Esenzenzen—Fabrik K. G. Dortmund—W. G. (Essences and Aromatic Chemicals).

Winterwerb Streng & Co., G.m.b.H., Mannheim, W. Germany (any kind of Machinery for Aerated Waters; Distilleries and Breweries).

Württembergische Metallwarenfabrik, Geislingen, W. Germany (Domestic Hardware, Cutlery, Tea & Coffee Machines).

Weinall-World Insurance Agencies, 219, Frere Road, Bombay 1.

Wellington Cycle & Motor Co., 218, Hornby Road, Fort.

Wellington Mews, Wodehouse Road, Veterinary Hospital, Stables and Motor Garages. Telephone No. 35616.

WEST END WATCH CO., 49, Mahatma Gandhi Road, Bombay 1 and 16, Old Court House Street, Calcutta. Watch and Clock makers, Jewellers and Silversmiths. Tel. Address: "Horology," BOMBAY & CALCUTTA. Phone No. 23163. P. O. Box No. 504, Bombay and P. O. Box No. 27, Calcutta.

West India Chemicals Ltd., Shale Building, Bank Street, Fort, Bombay. Phone No. 26985. Grams: "Felicitas". Manufacturers of Sulphuric Acid.

Western Engineering Co., Engineers, Contractors and Machinery Manufacturers, Signal Hill Avenue, Sewree, Bombay 15.

Western India Business Corporation, Refrigeration, Air-conditioning Engineers, Importers and Exporters, 298, Bazar Gate Street, Fort, Bombay. Phone: 27615. Grams: "Wincoirns."

WESTERN INDIA ENGINEERING CORP. LTD., Manufacturers' Representatives, Electrical Engineers and Contractors. Head Office: Cama Chambers, 23, Meadows Street, Fort.

Directors:—D. N. Purandare, Jayant L. Desai and N. N. Purandare.

Phone No. 22610. Tel. Address: "Wiccol."

WESTERN INDIA HARDWARE MART, Hardware Merchants & Direct Importers. Office at: 16, Narayan Dhuru Cross Lane, Bombay 8. Tel. Address: "Viscosity." Branch Office: 95, Bhajipala Lane, Phone: 28730. Branch Office: (Wire Dept.), 95, Bhajipala Lane, Bombay 3 and 9A, Narayan Dhuru Cross Lane, Bombay 8. (Bolts & Nuts Dept.).

WESTERN INDIA LIFE INSURANCE CO., LTD. Head Office:—Satara City. (*General Manager*: K. Y. Joshi).

Bombay Branch:—Western India House, Sir Phiroze Shah Mehta Road, Fort.

Branch Manager:—N. G. Naralkar. Phone No. 26905. Tel. Address: "Westlife".

WESTERN INDIA MANUFACTURERS' AGENCY LTD., The, Direct Importers & largest Stockists of Art Leather, Oil Cloth, Ebonite Rods, Sheets and Tubes, English as well as Indian Trolley Wheels, Complete English and Indian Mechanical and Industrial Rubber Goods, Hospital Requisites, Motor Bus and Commercial Vehicle fittings, Common Proof Canvas and Rain Coats. 190, R. K. Building, Khetwadi Main Road, Bombay 4. Phone No. 71615. Tel. Address: "Artleather."

Western India Match Co., Ltd., The, Match Manufacturers, Indian Mercantile Chambers, Niccol Road, Ballard Estate.

Western India Oil Distributing Co., Ltd., Petrol and Allied Products, Alice Building, Hornby Road, Fort. Telephone No. 24978. Branch at Madras. Telegrams: "Westoilco."

WESTERN INDIA PHOTOGRAPHIC AGENCY, Photographic Wholesalers, National Insurance Buildings, 6, Wallace Street, Hornby Road, Fort, P. O. Box No. 720, Bombay.

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WESTERN INDIA TANNERIES LTD., Manufacturers of every kind of Shoe upper and sole leather. Specialists in the manufacture of Textile Leathers, Chrome Pickling Bands, Leather Beltings, Buffers, Washers, Roller Skins, Pickers, Laces, etc. Address:—Dharavi, Bombay 17. Phone: 62841. Telegrams: "Eastkip."

Western India Trading Co., Hague Building, Sprott Road, Ballard Estate. Stockists of all well-known Printers' requisites. Sole Agents for Coates of India Ltd., Lithographic and Printing Inks; American Type Founders Sales Corporation, World's Largest Manufacturers of types. Hunter Penrose Ltd., National Carbon Co., Inc. (New York), Photo Engraving Carbons, Marmon Offset Machines. Tel. Address: "Sargonco." Phone No. 20366.

Western India Vegetable Products Ltd., 5, Ghoga Street, Fort.

Western Link Company, Importers, Exporters & Indenting Agents. P.O. Box No. 1200, G.P.O., Bombay 1, 19, Bank Street, Fort.

WESTERN MANUFACTURING CO., Hassan Chambers, Parsee Bazar Street, Fort, Bombay. Phone No. 32284. Tel. Address: "Westerwork."

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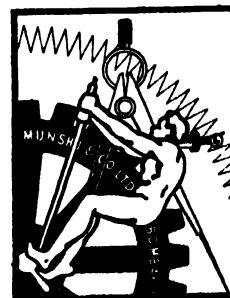
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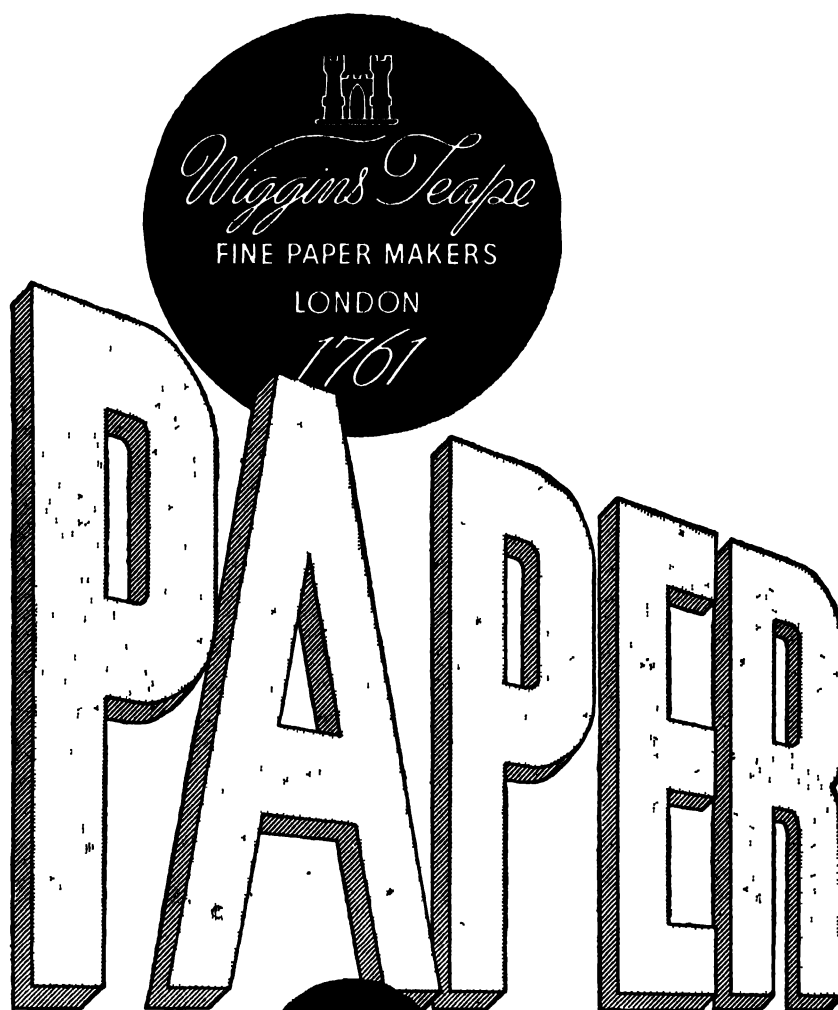
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Arvinde Trading Co.—105, Apollo Street, Fort.

Asbestos & Engineering Stores, The.—30, Western India Building, Sir Phirozshah Mehta Road, Fort.

Ashar & Co., P. K.—Govind Chowk, Mulji Jetha Market, Bombay 2.

Ashar Trading Co.—75-79, Old Hanuman Lane, Bombay 2.

Ashworth James & Co.—11, Bank Street, Fort.

Asian Trade & Industries.—Post Box 3113, Bombay 3. Phone: 33462. Grams: "ASIANTRADE."

Asian Trading Corporation.—P. O. Box No. 1505, 20, Mangesh Street.

Asok Brothers Ltd.—Mubarak Manzil, Apollo Street, Fort.

Atherton, G., & Co. Ltd.—23, Apollo Street, Fort.

Atmaram Bros.—340, Girgaum Road.

Babcock & Wilcox, Ltd.—Bombay Mutual Annexe, Gunbow Street, Fort.

Babooabhai Virchand & Co.—272, Narsi Natha Street.

Badat Ltd.—105, Sir Vithaldas Chambers, 16, Apollo Street, Fort.

Bajaj Brothers Ltd.—Round Building, Kalbadevi Road.

Baker & Co.—Oomrigar Building, opp. Crawford Market.

Bakubhai Ambalal & Co.—National Insurance Building, 27, Bastion Road, Fort.

Balmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate, Fort.

Begbie, Phillips & Hayley, Ltd.—Behramji Mansion, Sir Phirozshah Mehta Road, Fort.

Bell & Co., Ltd.—6, Sir Phirozshah Mehta Road, Fort.

Bell, Buss & Co.—Albert Building, Hornby Road, Fort.

Bhagwandas Chatrabhuj & Co.—30, Hamam Street, Fort.

Bhagwandas Muljee & Co.—226-70, Dongri Street.

Bhawoo Kasinath & Co.—63, Bhandari Street, near Null Bazar.

Bhiwandiwalla, H. M. D. H., & Co.—688, Chira Bazar.

Birla Bros., Ltd.—Imperial Bank Annexe, Bank Street, Fort.

Blackwoods India Ltd.—Podar Chambers, Parsi Bazar Street, Fort.

Blascheck, H., & Co.—Dadyseth House, opp. Hongkong Bank, Fort.

Bombay Ammonia Refrigerating Stores & Packing Co.—Near Kaiser-i-Hind Press, Bazar Gate Street, Fort.

Bombay Burma Trading Corporation, Ltd.—9, Wallace Street, Fort.

Bombay Cloth Market Co., Ltd.—13, Princess Street.

Bombay Co., Ltd.—9, Wallace Street, Fort.

Bombay Garage Ltd.—Bandstand, Chowpatty.

Bombay Gas Co., Ltd.—214, Hornby Road, Fort.

Bombay Import & Export Agency.—Cama House, opp. Lloyds Bank, Hornby Road, Fort.

Bombay Machine Store Co., The.—Laxmi Building, 43, Nagdevi Cross Lane, Bombay 3.

Bombay Swadeshi Co-operative Stores Co., Ltd.—Western India House, Sir Phirozshah Mehta Road, Fort.

Boustred's Agency.—Kismet, Chandaramji Estate, Colaba.

Brady, W. H., & Co., Ltd.—Churchgate Street, Fort.

Brul & Co.—Taj Building, Hornby Road, Fort.

Brigg Bros. & Co.—Graham Building, Parsee Bazar Street, Fort.

Brough & Philpott (India), Ltd.—Kaiser-i-Hind Building, Currimbhoy Road, Ballard Estate.

Budhabhoy Noorbhoy & Co.—199, Abdul Rehman Street.

Byramji, T., & Co.—Central Bank Building, Mahatma Gandhi Road, Fort.

C. MENTA & CO.—Tankabali Bhuvan, 1st Floor, 191, Kalbadevi Road, Bombay 2. Phone: 28891. Grams: "CIMENCO."

Callender's Cable & Construction Co., Ltd.—Esplanade House, Waudby Road.

Cambatta, Shrivastav C., & Co., Ltd.—42, Queen's Road, Bombay 1.

Candy Filters (India), Ltd.—Forbes Building, Home Street, Fort.

Carr & Co., Ltd.—Imperial Chambers, Wilson Road, Ballard Estate.

Casablancas High Draft Co., Ltd.—The Indian.—Maneckji Wadia Building, 121, Mahatma Gandhi Road.

Cawnpore Mills Depot.—Churchgate Street, Fort.

Central Agency Ltd., The.—81, Paltan Road, Fort.

Chadha, B. M., & Co., Ltd.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.

Chandrasekar & Sons.—Sri Ram Building, 105, Dr. Cowasji Hormusji Street, Bombay 2.

Chandulal Narandas.—96, Kika Street, Bombay 4.

Chikhali, M. B.—20, Haiman Street, Fort, P.O. Box No. 913, Bombay.

Chimanlal Desai & Co.—Gool Mansion, Homji Street, Fort.

Chokai, H., & Co.—106, Meadows Street, Fort.

Chunilal Mehta & Co., Ltd.—Yusuf Building, 43, Mahatma Gandhi Road, Fort.

Chunilal Mulchand & Co.—Waterloo Mansions, Mayo Road, Fort.

Collinson & Co., Ltd.—Standard Building, Hornby Road, Fort.

Commercial Co., The.—8, C. P. Tank Road.

Commercial Finance Ltd.—Great Social Building, Sir Phirozshah Mehta Road, Fort.

Conjap Dyestuffs Corporation.—341, Vadgadi, Samuel Street.

Consolidated Pneumatic Tool Co., Ltd.—Hamilton House, Graham Road, Ballard Estate.

Cook & Sons, Thomas, Ltd.—Cook's Building, Hornby Road.

Corn Products Co. (India), Ltd.—Shree Nivas House, Waudby Road.

Cosmo Trading Corporation.—156, Sheikh Memon Street, Bombay 2.

Cowasji Dinshaw & Bros.—121, Meadows Street, Fort.

Cox, H. S., & Co.—24, Rampart Row, Fort.

Cox & Kings (Agents), Ltd.—Lloyds Bank Building, Hornby Road.

C. P. Doshi & Co.—Bombay Mutual Building, Hornby Road, Fort.

Critical Manufacturing Co. (India), Ltd.—Hamilton House, Graham Road, Ballard Estate.

Currim, E. A., Ltd.—97, Apollo Street, Fort.

Currimbhoy Lalljee Sajun & Co.—"Brightlands", Lansdowne Road, Apollo Bunder, Fort. Phone: 35048. Grams: "SECRET."

Dadajee Dhackjee & Co., Ltd.—Shree Pant Bhuvan, Sandhurst Bridge.

Darabshaw & Co.—Central Bank Building, Mahatma Gandhi Road.

Darcoowala Bros.—2, Noble Building, Parsi Bazar Street, Fort.

Das & Co.—25, Dalal Street, Fort.

Deeth, W. H., & Co.—P. O. Box No. 320, Bombay.

Denis Malcolm & Co., Ltd.—Guzdar House, 267, Hornby Road, Fort.

Devidas Mulji Kapadia.—Yusuf Building, Hornby Road, Fort.

Dhanpatmal Jawaladas.—Court House, Carnac Road, Dhobi Talao.

Dharamrai Morarji & Co.—Taswalia Building, Mahajan Association, Javeri Bazar.

Diamond Electric Company.—18, Hamam Street, Fort.

Dilaj & Co.—20, Hamam Street, Fort.

Dinsha, N., & Co.—G/o The Bharat Tiles Ltd., 20, Apollo Street, Fort.

Doctor C., & Co.—Raja Bahadur Bansilal Motilal Building, 11, Bruce Street, Fort.

Dodge & Seymour (India) Ltd.—Laxmi Building, Ballard Road, Ballard Estate.

Dorabji, C., & Co.—22-D, Parsi Bazar Street, Fort.

Dorsett, G. C., & Co.—Brabourne Stadium, Churchgate Street.

Dressman & Co.—Neville House, Currimbhoy Road, Ballard Estate.

Drewett Chowna & Co.—Lentini Chambers, Meadows Street, Fort.

D. R. Mehta & Sons.—Tehmi Manor, 808, Vincent Road, Dadar.

Duncan Stratton & Co.—5, Bank Street, Fort.

Dwarkanadas & Sons, Ltd.—Mehta House, 89, Apollo Street, Fort.

Dwarkanadas Khetan & Co.—189, Meadows Street, Fort.

Eastern Electric & Engineering Co.—127, Mahatma Gandhi Road, Fort.

Engineer, S. D., & Co.—Imperial Chambers, 32, Wilson Road, Ballard Estate.

Evans, Fraser & Co.—The Fort House, Hornby Road, Fort.

Excelsior Drapers Ltd.—Neptune Building, 170, Hornby Road, Fort.

Express Corporation.—Co-operative Insurance Co. Building, Sir Phiroozshah Mehta Road, Fort.

Finlay, James, & Co., Ltd.—Mahatma Gandhi Road, Fort.

Foster, H. J., & Co., Ltd.—Worli, Bombay 18.

Framjee & Son.—Nanjee Building, Elphinstone Circle, Fort.

Francis Klein & Co. (Bombay) Ltd.—Shale Building, Bank Street, Fort, Post Box No. 777, Bombay.

Frank Rose & Co.—Kalam Kutir, 211-219, Frere Road, Fort, Bombay 1. Telephone: 33728. Tel. Add.: "DINASIK".

Fruit Farm Products Company.—Byramji Mansions, Sir Phiroozshah Mehta Road, Fort.

Gamadia Factories, Ltd.—Behramji Mansion, Sir Phiroozshah Mehta Road, Fort.

Gammon, J. C., Ltd.—Hamilton House, Graham Road, Ballard Estate.

Gandhi Sons, Ltd.—252, Samuel Street, Vadgadi.

Gannon Dunkerley & Co. Ltd.—Chartered Bank Building, Mahatma Gandhi Road.

General Commercial and Industrial Co.—Vishram Bhuvan, 1st Floor, 41, Kolbhat Street, Bombay 2.

GENERAL ELECTRIC CO. OF INDIA LTD., THE.—"Magnet House", Dougall Road, Ballard Estate.

George Spencer Moulton & Co. (India), Ltd.—Cox Building, Hornby Road.

Geotner, D. (India), Ltd.—Construction House, Wittet Road, Ballard Estate.

Gill & Co.—E. D. Sassoon Building, Dougall Road, Ballard Estate.

Gillanders Arbuthnot & Co. Ltd.—Elphinstone Building, Vir Nariman Road, Fort.

GIRDHARLAL & CO.—Imperial Chambers, Ballard Estate, Fort. Commission Agents, handling, selling & buying of any sorts of commodities on commission basis at Bombay and in India. Phone: 30101.

Glanfield & Kennedy, Ltd.—9, Wallace Street, Fort.

Globe Radio & Sound Corporation.—Sheriff Dewji Street, Bombay 3.

Globe Stores Co., The.—Sitaram Building, near Crawford Market, Hornby Road.

Gobhai, B. R., & Co.—General Assurance Building, Hornby Road, Fort.

Goudas, M. P., & Co.—23, Yusuf Building, Churchgate Street.

Godambe Bros.—Buona Casa, Sir Phiroozshah Mehta Road, Fort.

Govindjee Madhoojee & Co., Ltd.—16, Apollo Street, Fort.

Grahams Trading Co., Ltd.—16, Bank Street, Fort.

Grand Bazar.—25, Colaba Causeway, Bombay 1.

Great Eastern Trading Co.—107, Cawasji Patel Street, Fort.

Great Western Stores.—Standard Building, Hornby Road.

Greaves Cotton & Co., Ltd.—1, Forbes Street, Fort.

GUEST, KEEN, WILLIAMS, LTD.—"Das Chambers," Dalal Street, Fort, Post Box No. 575, Bombay 1.

Gulabchand Nathalal & Co.—New Barden Lane, Khand Bazar, Bombay 3.

Gulamhussein Esmail Surtee & Sons.—99-A, Abdul Rehman Street.

Gulam Rasul Allahbux.—1-B, Bachoo Ali House No. 1, Nowroji Hill Road.

Haji Ebrahim Bushari & Co.—7, Jail Road, Dongri.

Haji Ebrahim Essak.—91, Sheriff Dewji Street, Bombay 3.

Haneef, S. M., & Co.—Bachoo Ali House, Hirjee Bachoo Ali Road, Bombay 9.

Hansraj Hariram & Co.—Fazalbhoy Building, opp. Flora Fountain, Fort.

Hardcastle, Waud & Co., Ltd.—Alice Building, Hornby Road, Fort.

Harilal Manilal & Co.—346, Kalbadevi Road, Bombay 2.

Hazarat & Co.—People's Building, Sir Phiroozshah Mehta Road, Fort.

Hazex.—337, Kalbadevi Road.

Heatly & Gresham, Ltd.—9, Forbes Street, Fort.

Heman & Co.—Ramchandra Building, Carnac Road.

Hemraj, M.—34, Nishanpada Road, Bombay 9.

Herbertsons, Ltd.—11-18, Elphinstone Circle, Fort.

Herman & Mohatta, B. R., Ltd.—People's Building, Sir Phiroozshah Mehta Road, Fort.

Hind Africa Agency.—413C, Vasant Wadi, Kalbadevi Road.

Hindustan Vanaspathi Manufacturing Co., Ltd.—Scindia House Ballard Estate.

Holland-Bombay Trading Co., Ltd.—E. D. Sassoon Building, Dougall Road, Ballard Estate.

Honey Day.—Alice Building, Hornby Road, Fort.

Hoosain, M. A., & Bros.—Lakshmi Buildings, Sir Phiroozshah Mehta Road, Fort.

Hormusji & Sons.—Arvind House, New Charni Road.

Hukamchand Chanderbhan.—Anand Nivas, Mangalwadi, Girgaum Road.

Husein Abdulkarim Panju.—138/40, Samuel Street, Khoja Mohalla.

Husein Ebrahim.—75, Mahomedalli Road.

India Commercial Bureau.—Alice Building, Hornby Road.

Indian Express Co.—Old Stock Exchange Building, Dalal Street, Fort.

Indian Hume Pipe Co., Ltd.—Construction House, Wittet Road, Ballard Estate.

Indian States and Eastern Agency.—35, Queen's Road.

Indo-African Exports.—Round Building, Kalbadevi Road.

Indo-British Chemical Co.—Raja Bahadur Mansion, Tamarind Lane, Fort.

Indo-Europe Trading Co.—9, Dalal Street, Fort.

Indo-European Machinery Co.—Sambava Chambers, Sir Phiroozshah Mehta Road, Fort.

Ingersoll-Rand (India), Ltd.—Devkaran Nanjee Building, 17-B, Elphinstone Circle, Fort.

Inter-Mission Business Office.—240, Hornby Road, Fort.

International Mercantile Corporation.—Ghia Building, Princess Street, Bombay 2.

International Trading Co.—Manhar Building, Lohar Chawl.

Jacks, William & Co., Ltd.—Hamilton House, Graham Road, Ballard Estate, Fort.

Jani & Co.—Vora Mansion, New Chinch Bunder.

Jashwantlal Manekial & Co.—40, Churchgate Street, Fort.

Jasawalla, R. M., & Co.—105, Apollo House, Apollo Street, Fort.

J. A. Thadani & Co.—People's Building, Sir Phiroozshah Mehta Road, Fort.

Javeri Bros. & Co.—347-349, Abdul Rehman Street, opp. Crawford Market.

Jaysukhlal & Bros.—82-86, Abdul Rehman Street, Bombay 3.

Jeena & Co.—Elphinstone Building, 10, Churchgate Street, Fort.

Jhaveri Brothers.—149, Shroff Bazar.

Jivraj Tribhovan.—418, Kalbadevi Road, Bombay 2.

John Dickinson & Co., Ltd.—Kumta Street, Fort.

John Fleming & Co., Ltd.—21, Bastion Road, Fort.

John Roberts & Co., Ltd.—93B, Queen's Road.

Johnson Phillips & Co. (Eastern), Ltd.—Bombay Mutual Annexe, Gunbow Street, Fort.

Jones, J. D., & Co. (Bombay), Ltd.—Rustom Building, Churchgate Street, Fort.

JOSEPH'S ENGINEERING CO., LTD.—Great Social Building, Sir Phiroozshah Mehta Road, Fort, Bombay 1.

Kame Trading Co.—Shirin Mansil, 59, Abdul Rehman Street.

Kanji Cursondas & Co.—Bachubai Building, 187, Hornby Road, Fort.

Karmog Brothers Ltd.—Bombay Mutual Building, Sir Phiroozshah Mehta Road, Fort.

Karsandas R. Asher.—G.P.O. Box No. 1936, Fort, Bombay 1.

Karunashankar Anandji & Co.—293, Samuel Street, Vadgadi.

Kavarana, E. F., & Co.—Botawalla Building, 56, Bomanji Master Road, opp. P. O. Kalbadevi.

Kay Co., Ltd.—Dharam Kanta Building, Mumbadevi Road.

Kayce & Co., Ltd.—Kamani Chambers, Nicol Road, Ballard Estate.

Kewalram Chellaram.—Gandhi Mansion New Silk Bazar, Bombay 2.

Ketkar Bros.—"D." Rustom Mahal, Khodadad Circle, Dadar.

Keymer, D. J., & Co., Ltd.—6, Ballard Road, Ballard Estate.

Kilachand Devchand & Co., Ltd.—45-47, Apollo Street, Fort.

Killick Industries Ltd.—Post Box No. 109, Home Street, Fort.

Killick, Nixon & Co.—Killick Building, Home Street, Fort.

Kishinchand Chellaram.—Guzdar House, Dhobi Talao.

Kilmt & Lion Ltd.—Western India House, 7, Sir Phiroozshah Mehta Road, Fort.

Kodak Ltd.—Kodak House, Hornby Road, Fort.

Kooverjee V. Curumsey & Co.—Lentini Chambers, Dalal Street, Fort.

Kros & Co.—Podar Chambers, Parsi Bazar Street, Fort.

Kulkarni & Co.—Navsari Building, 2nd Floor, Hornby Road, Fort.

Kumud Trading Co.—Sayoo Building, Khattali Lane, Thakurdwar, Girgaum.

Kumudchandra & Co.—Examiner Press Building, Dalal Street, Fort.

Kurwa & Kajiji.—142-44, Abdul Rehman Street.

Lakshmana Pillai & Sons, S.—Dharamsee Building, 587, Girgaum Road, Bombay 2.

Lalji Dayal.—Near Gopal Lane, Mulji Jetha Market, Bombay 2.

Lalubhai Jhaveri Gulabchand.—149, Shroff Bazar.

Lalvani Brothers.—210, Hornby Road, Fort.

Laws, Wm., & Co.—Sorab Mansion, 35, Mursban Road, Fort.

LESLIE, E., & CO.—Botawalla Building, 7-10, Horniman Circle, Fort. Shipping, Clearing, Forwarding & Passengers Agents. Phone: 22500.

Lewis & Jones.—Bank of Baroda Building, Apollo Street, Fort.

Lewis & Tylor, Ltd.—Sorab House, 287, Hornby Road, Fort.

Lipton, Ltd.—Taco House, Sir Phiroozshah Mehta Road, Fort.

London, Eastern & American Trading Co.—22, Hamam Street, Fort.
 Longmans, Green & Co., Ltd.—Indian Mercantile Chambers, Nicol Road, Ballard Estate.
 Loucatos, G., & Co.—Menkwa Building, Outram Road, Fort.
 Louis Dreyfus & Co.—32, Nicol Road, Ballard Estate.
 Macfarlane, Bell & Co., Ltd.—Sambava Chambers, Sir Phirozshah Mehta Road, Fort.
 Mackinnon, Mackenzie & Co.—Ballard Road, Ballard Estate.
 Madhavlal & Co., Ltd.—Alice Building, Hornby Road, Fort.
 Mafatlal Gaganbhai & Co., Ltd.—Rustom Building, 29, Vir Nariman Street, Fort.
 Maganlal Pranlal & Sons—105, Nagdevi Street, West.
 Majid & Co.—Karim Building, 56, Mahomedali Road.
 Malcolm & Co.—263, Hornby Road, Fort.
 Malgham Bros.—26, Old Custom House Road, Fort.
 Manseta, N., & Bros.—165, Lohar Chawl.
 Mansukhlal Kantilal & Co.—185, Mulji Jetha Building, Princess Street.
 Manufacturers' Eastern Agency.—103, Apollo Street, Fort.
 Marby Sons & Co.—R. 53, Nowroz Baug, Lal Baug, Bombay 12.
 Marshall Sons & Co. (India), Ltd.—Marshall's Building, Ballard Road.
 Matani Bros.—84, Mahomedali Road, Bombay 3.
 Mathuradas V. Kothari & Co.—Rudymoney Mansion, Churchgate Street.
 Mavji, F. D.—11, Elphinstone Circle, Fort.
 Mayashankar Thacker & Co.—47, Apollo Street, Fort.
 McKenzies Ltd.—Sewri.
 Mehta & Co.—16, Cawasji Patel Street, Fort.
 Mehta, H. M., & Co.—Mehta House, Apollo Street, Fort.
 Metro Motors—The Motor House, Hughes Road.
 Milford Bros.—7-11, Elphinstone Circle, Fort.
 Millars Timber & Trading Co., Ltd.—Victoria House, Victoria Road, Mazgaon.
 Minerva Trading Agency.—58, Forbes Street, Fort.
 Mooljee Jaijha & Co.—185, Princess Street.
 Morison, J. L., Son & Jones (India), Ltd.—Post Box No. 258, Universal Building, Sir Phirozshah Mehta Road, Fort.
 Moussell & Co., Ltd.—Lotus House, Marine Lines, Bombay 1.
 Muller & Phipps (India) Ltd.—Queen's Mansions, Bastion Road, Fort.
 Mullick, M. A., & Co.—91, Mahomedali Road, P.O. Box No. 3003, Bombay 3. Phone No. 31835. Grams: "ZANJABUL."
 Muncherjee Byramjee & Co. (Ltd., 1882).—Office & Factory: Jeraibhoy Street, 100, Foras Road, near Municipal Workshop, Bombay 8.
 Munim, V. I., & Co.—17/19, Dalal Street, Fort.
 Munjee Nathooobhoy & Co.—Amar Building, Sir Phirozshah Mehta Road, Fort.
 Nadurshaw Printer & Co.—121, Mahatma Gandhi Road, Fort.
 Nanavati & Co., Ltd.—16, Apollo Street, Fort.
 Nanji V. Dossa & Co.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.
 Narandas Dwarakadas & Co.—411, Cotton Exchange Building, Kalbadevi Road.
 Narandas G. Bhatia.—157, 5th Cavel Cross Lane, Gaiwadi.
 Narandas Rajaram & Co.—Navsari Chambers, Outram Road.
 Narlewal, B. P., & Sons.—101, Apollo Street, Fort.
 Nariman Bros., H. D.—Nariman House, 269, Lohar Street West, Dhobi Talao.
 Narotamdas Karsondas & Co.—Whiteaway Laidlaw Building, 278, Hornby Road, Fort.
 Narasingdas Dheha.—226, Kalbadevi Road, Bombay 2.
 National Hardware & Stores Supply Co.—Post Box 3146, Bombay 3.
 Natwarlal & Co.—361, Hornby Road, opp. Bank of India, Fort.
 Nazir, B., & Co.—120, Parsee Bazar Street, Fort.
 Nazir, R. C., & Co.—Mody Bay, Mangalore Street, Fort.
 Nelson Trading Corporation, Ltd.—Richard Building, Elphinstone Circle.
 Nestle & Anglo-Swiss Condensed Milk (Export) Co., Ltd.—Kaiser-I-Hind Building, Currimbhoy Road, Ballard Estate.
NOWROJEE ARDASEER & SONS.—24-26, Dalal Street, Fort. Manufacturers' Representatives, Agents & Merchants for Foreign Liquors, Provisions and Dairy Products. Sole Agents: Gilbey's Wines and Spirits, Castillon Brandy, Golden Tree and Pilsner Urquell Beers, Daisy Olive Oil, etc.
 Nowrojee Wadia & Sons Ltd.—Neville House, Graham Road, Ballard Estate.
 Occidental Trading Co., Ltd.—16, Apollo Street, Fort, P.O. Box 776, Bombay.
 Oliver, F. P., & Co., Ltd.—Jehangir Building, 133, Mahatma Gandhi Road, Fort.
OOMERSEE KESOWJEE & CO. (Established 1875).—Post Box No. 1, Bombay. Head Office: Camp Bazaar, Cannanore, South India. Grams: "BARTER", Bombay, "KANAIYA", Cannanore. Importers, Exporters & General Merchants. Insurance & Shipping Agents.
OOMERODS (INDIA), LTD.—Bank of Baroda Building, Apollo Street, Fort, P.O. Box No. 410, Bombay. Phones: 27077-78 (2 lines). Grams: "RAMSHEAD."
 Osborn (India), Ltd., Samuel.—Elphinstone Building, Vir Nariman Street, Fort.

Oser, F. & C., Ltd.—Swadeshi Mills Compound, New Queen's Road.
 Overseas Chemical & Trading Co.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.
 Palrasingh Bhatkshan.—79, Khand Bazar, Bombay 3.
 Pan Asiatic Overseas Co., Ltd.—Bell Building, Sir Phirozshah Mehta Road, Fort.
 Panday, D. L., & Co.—46, Vir Nariman Street, Fort.
 Pannalal Ramdayal Chindak.—153, Princess Street, Bombay 2.
 Parson, H., Ltd.—Asian Building, Nicol Road, Ballard Estate.
 Parson & Pereira.—Asian Building, Nicol Road, Ballard Estate.
 Patel Bros.—10, Vir Nariman Street, Fort.
 Patell, P. R., & Co., Ltd.—Mherwan Building, Sir Phirozshah Mehta Road.
 Patravali, N. P., & Co.—Fort Chambers, Hamam Street, Fort.
 Patuck, H. S., & Co.—Nagree Building, 50, Custom House Road, Fort.
 Pavri, J. K.—10, Karim Chambers, Hamam Street, Fort.
 Pavri Sons & Co.—95-97, Bazaar Street, Fort.
 Phillips & Co.—Waterloo Mansions, Mayo Road, Fort.
 Phipson & Co., Ltd.—6, Apollo Street, Fort.
 Pioneer Magnesia Works Ltd., The.—Chartered Bank Building, Fort.
 River & Co.—Miyekar Building, Lamington Road, Grant Road.
 Bohomall Bros. (India).—Bomanji Master Road, Bombay 2.
 Precious Electric Co.—Yusuf Building, Churchgate Street, Fort.
 Prechhand Roychand & Sons, Ltd.—68, Apollo Street, Fort.
 Prechhand Trading Ltd.—7, Dhanji Street.
 Premlji Haridas & Co.—Argyle Road, Bombay 9.
 Printer Bros.—Beaumont Chambers, Meadows Street, Fort.
 Progressive Corporation, Ltd.—Jehangir Wadia Building, 51, Mahatma Gandhi Road, Fort.
 Pyarelal Gupta & Co.—207, Kalbadevi Road, Bombay 2.
 Railway & Marine Equipment Co.—"Buona Casa," Sir Phirozshah Mehta Road.
 Ralli Bros., Ltd.—21, Ravelin Street, Fort.
 Ramdas Khimji Bros.—Warden House, Sir Phirozshah Mehta Road, Fort.
 Ramkisanadas Sagarmal.—Kalyan Bhuvan, 354, Kalbadevi Road.
 Rashid Behram Aidun Bros.—Aidun Building, Dhobi Talao.
 Ratilal Dabhyabhai Shah.—Hanuman Building, Tambakanta, Pydhownie.
 Ratilal, R., & Co.—Merchants and Exporters of Indian Oilseeds and Grains, Teju Kaya Building, Chinchbunder Road.
 Reliance Trading Company.—25-47, Lohar Street, Bombay 2.
 Richardson & Cruddas.—Byculla Iron Works, Byculla.
 Ritchie (India) Ltd.—Queen's Mansions, Bastion Road, Fort.
 Roberts, McLean & Co., Ltd.—Ilaco House, Sir Phirozshah Mehta Road, Fort.
 Rodocanachi & Co.—17, Ravelin Street, Fort.
 Ronco, Ltd.—Navsari Chambers, 39, Bastion Road, Fort.
 Rupani & Co.—Lentin Chambers, Dalal Street, Fort.
 Saboowalla, Kamruddin Hakimji.—Crawford Market, P.O. Box No. 1146, Bombay.
 Sahny Commercial Co.—Queen's Mansions, Bastion Road, Fort.
 Sankalchand G. Shah & Co.—Hanuman Building, Tambakanta, Pydhownie.
 Sarabhai & Co.—Western India House, Sir Phirozshah Mehta Road, Fort.
 Sassoon, E. D., & Co., Ltd.—E. D. Sassoon Building, Dougall Road, Ballard Estate.
 Sepulchre Brothers (India) Ltd.—Taj Building, 210, Hornby Road.
 Sethy, M., & Co.—29, Ismail Building, 351, Hornby Road, Fort.
 Settina, R. Pheeroz & Co.—70, Meadows Street, Fort.
 Sewaram Ghidharlal.—354, Kalbadevi Road, Bombay 2.
 Shah, J. M., & Co.—21, Swadeshi Market, Kalbadevi Road, Bombay 2.
 Shaikh & Co.—94, All Umar Street, Bombay 3.
 Shalebhoy Tyebjee & Sons.—Shale Building, Bank Street, Fort.
 Shanks & Co., Ltd.—Jeroo Building, next to Cornaglia, Mahatma Gandhi Road, Fort.
 Shapurji & Co., R. K.—319, Hornby Road, P. B. 1065, Fort.
 Sharma & Sharma.—217-D, Vithalbhaji Patel Road, Bombay 4.
 Sharp, R., & Sons.—Kaiser-I-Hind Building, Ballard Estate.
 Shaw, Wallace & Co., Ltd.—3, Witter Road, Ballard Estate.
 Shroff Bros. & Co.—4, Botawalla Building, 7-9, Elphinstone Circle, Fort.
 Sindhi Clearing Agency.—384, Dabholkar Wadi, Kalbadevi.
 Sizing Materials Co., Ltd.—Jeroo Building, 137, Mahatma Gandhi Road, Fort.
 Soho House.—Vithal Sayana Building, Lohar Street.
 Somnath Motiram.—308, Kharek Bazar.
 Sorabji Hormusji & Co.—22, Mangaldas Road, opp. P. O., Juma Masjid.
 Sorabji Kharas & Co.—Fort Chambers, 65, Tamarind Lane, Fort.
 Sorabji Pestonji & Co.—105, Apollo Street, Fort.
 Spence Ltd.—Kennedy Bridge, Bombay 4.
 Spencer & Co., Ltd.—Spencer's Building, Forjett Street, Bombay 26.
 Spinner, E., & Co.—8, Tamarind Lane, Fort.
 Star Trading Co.—7-9, Sir Vithaldas Chambers, 16, Apollo Street, Fort.
 Stewarts & Lloyds of India, Ltd.—Mubarak Mansil, Apollo Street, Fort.

Stone, J., & Co. (India), Ltd.—Yam Building, Goa Street, Ballard Estate.
 Stronach, L. A., & Co. (India), Ltd.—Stronach House, Graham Road, Ballard Estate.
 Subedar's, S. R., Sons—Beach Manor, 27, Cuffe Parade, Bombay 5.
SUBODHCHANDRA POPATLAL (ESTD. 1915).—Exporters & Importers, 223-25, Sheikh Memon Street, Bombay 2. Grams: "NAYAN" Phones: Office 30624 & 20645. Res. 32220.
 Suntoomal Ravaladas & Co.—Suntoomal Ravaladas Building, Narayan Dhuru Street.
 Suren, W. T., & Co.—United India Building, Sir Phirozshah Mehta Road, Fort.
 Symonds & Co.—Eruchahab Building, 249, Hornby Road, Fort.
 Tarchand Puraram.—Court House, Carna Road.
 Tata Sons, Ltd.—Bombay House, 24, Bruce Street, Fort.
 Textile Works, Ltd.—49-55, Apollo Street, Fort.
 Thackersey Mooljee & Co.—Sir Vithaldas Chambers, Apollo Street, Fort.
 Thakore, T. M., & Co.—Readymoney Mansions 48, Vir Nariman Street.
 Thomas Korula.—Great Social Building, Sir Phirozshah Mehta Road, Fort.
 Todi & Company.—Importers & Exporters, 41, Hamam Street, Fort, Bombay.
 Trading Co., Late Hegt & Co., Ltd.—Indu House, Dougall Road, Ballard Estate.
 Trivedi & Co.—Navsari Chambers, Hornby Road, Fort.
 Turner Hoare & Co., Ltd.—Gateway Building, Apollo Bunder.
 Turner Morrison & Co., Ltd.—16, Bank Street, Fort.
 United Import Co., The.—67-69, Mahomedally Road.
 United Industrial Equipment Co.—21, Western India House, Sir Phirozshah Mehta Road, Fort.
 United Steel Companies (India), Ltd., The.—Himalaya House, Junction of Hornby Road and Paltan Road, Bombay 1.
 United Traders, Ltd.—Scindia House, Ballard Estate.
 Utomcal & Asudamal Co.—Bombay Mutual Annex, Gunbow Street, Fort.
 Vallram Sons.—Patel Building, Bomanji Master Road, Kalbadevi.
 Vandrevalla & Dord.—Old Share Bazar Building, Apollo Street, Fort.
 Vannali Bhikha & Co.—Devkaran Mansion, Princess Street.
 Vasanji Khatau & Co.—Dena Bank Building, 17, Elphinstone Circle, Fort.
 Vasanji Mavji & Co.—27, Chinch Bunder Road.
 Vasantlal Vadilal & Co.—215-17, Samuel Street, Vadgadi.
 Vast Bros. & Co.—Topiwalla Mansion, Mahomedally Road.
 Vasunia, J. P., & Co.—Mistry Building, 56, Bomanji Master Road, opp. P. O., Kalbadevi.
 Vastiralli Ltd.—Prospect Chambers, Hornby Road, Fort.
 Vastiralli Traders Ltd.—Behramji Mansion, Sir Phirozshah Mehta Road, Fort.
 Vikram Padamsey & Co.—Rustom Building, 29, Vir Nariman Street, Fort.
 Visanji Sons & Co.—9, Wallace Street, Fort.
 Vulcan Trading Co., Ltd.—Indian Mercantile Chambers, Nicol Road, Ballard Estate.
 Wadhwaney Bros. (India).—Hornby Buildings, 172/74, Hornby Road, Fort.
 Wallace & Co.—9, Wallace Street, Fort.
 Wasseemull Assomull & Co.—"D", Wasseemull Buildings, Grant Road.
 Wheeler, A. H., & Co.—Eruchahab Building, 249, Hornby Road, Fort.
 William, Jacks & Co., Ltd.—Hamilton House, Graham Road, Ballard Estate.
 Worthington Simpson Ltd.—Mubarak Manzil, Apollo Street, Fort.
 Wota (India), Ltd.—Cox Building, Hornby Road.
 Wyne & Co.—56, Mahomedally Road, Bombay No. 3.
 Yacoub Ahmed Brothers.—Topiwalla Mansion, 128-134, Mahomedally Road.
 Yam, G. Ab.—Churchgate House, Vir Nariman Street, Fort.
 Young India Agencies (Bombay) Ltd.—53/55, Lakshmi Building, Sir Phirozshah Mehta Road, Fort.
 Yusuf Dada Chunawalla (Dabawalla) & Co.—34, Bapu Khote Street, Jambli Mohalla.

AGENTS, INSURANCE

Alliance Assurance Co., Ltd.—Fort Chambers, 65, Tamarind Lane, Corner of Dean Lane, Fort (Motor & Fire).
 Arvind & Co.—Bombay Mutual Building, Sir Phirozshah Mehta Road, Fort, Bombay.
 Arvinda Trading Co., Ltd.—105, Apollo Street, Fort.
 Balmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate, Fort.
 Bhiwandiwalla, H. M. D. H., & Co.—583, Chira Bazar.
 Blackwoods India Ltd.—Podar Chambers, Parsi Bazar Street, Fort.
 Brady, W. H., & Co., Ltd.—Vir Nariman Street, Fort.
 Bruno Braganza.—Iranl Terrace, Gokhale Road (North), Dadar.

CHANDULAL T. SHAH, J.P.—Chief Agent for Bombay State The Crown Life Insurance Co. (of Canada), Fasalbhoy Building, Flora Fountain, Fort, Bombay. Phone: Office. 27041. Residence: 86308.
 Chellons Ltd.—Gadgar House, 4th Floor, Dhobi Talao, Bombay 2.
 Chinubhai Kallidas & Bros.—20, Hamam Street, Fort.
 Churla Brothers.—Janmabhoomi Bhuvan, 11-12, Goga Street, Fort.
DEGAM, R. C.—Najee Mansion, Nawab Tank Bridge, Mangan, Bombay 10. Representative:—Oriental Govt. Security Life Assurance Co., Ltd.
 Fakirchand Keshrichand Shroff.—Advani Chambers, Sir Phirozshah Mehta Road.
 Fleming Shaw & Co., Ltd.—Sorab House, 235, Hornby Road, Fort.
 Gandhi & Co.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.
 General Radio & Appliances Ltd.—Optra House, Bombay 4. Phone: 28204. Grams: "FAZCO."
 Gillanders Arbuthnot & Co., Ltd.—Elphinstone Building, Vir Nariman Street, Fort.
 Gokaldas & Sons.—11-13, Mint Road, opp. G. P. O., Bombay 1.
 Govindjee Madhowjee & Co., Ltd.—Sir Vithaldas Chambers, 16, Apollo Street, Fort.
 Hardcastle, Waud & Co., Ltd.—Alice Buildings, Hornby Road, Fort.
 Jagmohandas Bhagwandus Boda & Co.—Yusuf Building, 49, Vir Nariman Street, Bombay 1.
 Jeena & Co.—10, Vir Nariman Street, Fort.
KHIMJI M. BHUJURIA & CO. (Estd. 1928).—25, Keshavnai Naik Road, Bhat Bazar, Bombay 9. Phones: 70148 and 60750.
 Kochikar Brothers Ltd. (Estd. 1910).—Amar Nivas, opp. Prarthana Samaj, Charni Road.
 Koorjee V. Kurumsey & Co.—Lentini Chambers, Dalal Street, Fort.
 Kulkarni & Company, Navsari Building, 2nd floor, Hornby Road, Fort, Bombay.
 Lee & Mulrhead (India) Ltd.—12, Rampart Row, Fort.
 Madhavilal & Co., Ltd.—Chief Agents, Concord of India Insurance Co., Ltd., Fire, Marine & Accident, Alice Buildings, Hornby Road, Fort.
 Mahendra & Co. 46, Vir Nariman Street, Fort.
 Mazumdar & Co.—Opp. Krishna Cinema, Tribhuvan Road, Bombay 4.
 Mohan Sons & Co.—125, Mahatma Gandhi Road, Fort, Bombay 1.
 Motishaw, B. K.—Bansilal Motilal Mansion, Hamam Street, Fort.
 Nanji V. Dossa & Co.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.
OOMERSEE KESOWJEE & CO. (Estd. 1875).—Post Box No. 1, Bombay. Head Office: Camp Bazaar, Cannanore, South India. Grams: "BARTER," Bombay; "KANAYTA," Cannanore.
 Oriental Transport Service.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.
 Parikh & Co., K. M.—General Assurance Building, 232, Hornby Road, Fort.
 P. K. Tejani.—204, Hornby Road, National Insurance Building, 3rd Floor, Fort.
 Pochaji & Co. A. B.—113, Mahatma Gandhi Road, Fort.
 Pridhotamdas Ishwardas & Co.—Co-operative Insurance Building, Sir Phirozshah Mehta Road, Fort.
 Raghavji Kanji & Co.—Alli Chambers, Tamarind Lane, Fort.
 Sarabhai & Sons.—Prospect Chambers, 321, Hornby Road, Fort.
 S. C. Jariwala.—Room No. 44, 4th Floor, Kumarvillas, Mangalwadi, Girgaum, Bombay 4.
 Sharma & Sharma.—247-D, Vithalbhai Patel Road, Bombay 4.
 Sorabji Khars & Co.—Fort Chambers, 65, Tamarind Lane, Fort.
 Tejinder & Co.—33, Latif House, 2nd Floor, Carnac Bridge, Bombay 9. Phone: 21520. Grams: "SAWRNEYTEJ"
 Trivedi Shah & Co.—Crescent Chambers, Tamarind Lane, Fort.
 Vasanji Khatau & Co.—Dena Bank Building, 17, Elphinstone Circle, Fort.
 Volkart Bros.—19, Graham Road, Ballard Estate.
 Weinall-World Insurance Agencies.—219, Frere Road, Bombay

AGRICULTURAL IMPLEMENTS

AGRI-ORIENT INDUSTRIES LTD.—98, Meadows Street, Fort. Phone: 34563. Grams: "DEHAVALANGA."
 Asian Trades & Industries.—Post Box 3113, Bombay 3. Phone: 33462. Grams: "ASIANTRADE"
 Bharat Electric Supply Traders.—542, Sandhurst Bridge, Chowpatty, Bombay 7.
 Dharvi Trading Co.—64, Old Custom House Road, Fort.
 Dretwet Chowna & Co., Lentini Chambers, Meadows Street, Fort, Bombay.
 Jayems Engineering Co.—Warden House, Sir Phirozshah Mehta Road, Fort.
 Lachmandas Ramchand.—98, Nagdevi Cross Lane, Bombay 3.
 National Hardware & Stores Supply Co.—Post Box 3146, Bombay 3.
 National Scientific Instruments Co.—257, Frere Road, Fort, Bombay 1.
NEW INDIA CORPORATION.—Cool Mansions, Hornji Street, Fort. Phone: 33440. Grams: "NUINDCORP."
 United Motors (India) Ltd.—Hughes Road, Bombay.

AGRICULTURAL MACHINERY

Asian Textile Engineering Corporation.—Kermani Building, Sir Phirozshah Mehta Road, Fort.
 Asian Trading Corporation.—P. O. Box No. 1505, 20, Mangesh Street, Bombay.
ASSOCIATED MACHINE AND TOOL CO.—130, Meadows Street, Fort, Bombay 1. Phone: 28688.
 Banwarilal & Co., Ltd.—Queen's Mansion, Bastion Road, Fort.
BATLIBOI & CO.—Engineers & Machinery Importers, Head Office, Forbes Street, Fort, Bombay No. 1. Phone Nos. 30007-8-9 (Three Lines). Tel. Address: "BATLIBOICO".
 Branches: Batliboi House, Nagdevi Cross Lane, Bombay 3; 3-153, Broadway, Madras; P-34, Mission Row Extension, Calcutta; 55-5, Japan Buildings, New Chowri, Delhi; 12-5D, Variety Hall Road, Coimbatore; Reid Road, Ahmedabad; 26-59, Birhana Road, Kanpur.
 Bharat Electric & Engineering Corporation.—28, Apollo Street, Fort.
 Craftman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10. Soil Testing equipment.
 Champion Trades Corporation.—9-13, Dalal Street, Fort.
 Das & Company.—Das Chambers, Dalal Street, Fort.
 Deccan Machinery & Mill Stores Co.—75, Tamarind Lane, Fort. Phone: 26488.
 Diarvi Trading Co.—64, Old Custom House Road, Fort, Bombay.
 Duncan Stratton & Co., Ltd.—5, Bank Street, Bombay 1.
EAST ASIATIC CO. (INDIA) LTD.—Wavell House, Graham Road, Ballard Estate. Phone: 30995.
 Eastern Machinery and Trading Co.—Asian Building, Nicol Road, Ballard Estate, Fort.
EXCELLENT ENGINEERING CO.—11, Botawala Building, Elphinstone Circle, Fort. Grams: "HARIKRIPPA." Phone: 28601. Importers, Exporters, Commission Agents and Manufacturers' Representatives.
 Great Western Engineering Works.—"Sea View," 1st Pasta Lane, Colaba, Bombay 5.
HINDUSTAN ELECTRIC CO., LTD.—Thackersey House, Graham Road, Ballard Estate, Bombay 1. Engineers, Contractors and Suppliers of all Sorts of Machinery and Electrical Goods. Showroom: 95, Apollo Street, Bombay 1. Phones: 32198, 24310, 23966. Grams: "UDYOG." Branches: New Delhi, Calcutta, Nagpur and Madras.
 Indo-International Commercial Corp. Ltd.—Lalgar Chambers, Tamarind Lane, Fort.
 Industrial & Agricultural Equipment Co.—29, Hamam Street, Fort.
 Isaac Penhas (India) Ltd.—36, Yusuf Building, Flora Fountain, Bombay 1.
 Jacks, William & Co., Ltd.—Hamilton House, Graham Road, Ballard Estate, Fort.
 Jayems Engineering Co.—Warden House, Sir Phirozshah Mehta Road, Fort.
 Kabali & Co., Ltd.—15, Bastion Road, Fort.
 Kamani Engineering Corporation.—Kamani Chambers, Nicol Road, Fort.
 Larsen & Toubro Ltd.—J. K. Building, Dougall Road, Ballard Estate, Fort.
 L'Orient.—23, People's Building, Sir Phirozshah Mehta Road.
 Marshall Sons & Co. (India) Ltd.—Marshall Building, Ballard Estate, Fort.
 National Hardware & Stores Supply Co.—Post Box 3146, Bombay 3.
 P. Rai & Company.—105, Apollo Street, Fort.
 Paramount Industrial Stores.—15, Ropewalk Street, near Forbes Street, Bombay 1.
 P. Ratilal & Co.—43, Dhanji Street, Bombay 3.
 Spence Ltd.—Kennedy Bridge, Bombay 4.
TALWARKER, W. R.—Lentia Chambers, Dalal Street, Fort, Bombay. Phone: 30367. Grams: "PUMPENAMEL."
 Unisales (India) Ltd.—27/83, Meadows Street, Fort.
 Vijay Engineering and Machinery Co.—Shop No. 9, Bombay Mutual Annex, Cowasji Patel Street, Fort.
VOLKART BROTHERS.—19, Graham Road, Ballard Estate, Bombay 1.

AGRICULTURAL REQUISITES

Asian Trading Corporation.—P. O. Box No. 1505 20, Mangesh Street.
 Asian Textile Engineering Corporation.—Kermani Building, Sir Phirozshah Mehta Road, Fort.
 National Hardware & Stores Supply Co.—Post Box 3146, Bombay 3.
TECALEMIT (INDIA) LTD.—9, Forbes Street, Fort, Bombay. Phones: 27021 & 27022. "Grams: TECALEMIT." Lubrication, Refuelling, Metering Equipment and Air Compressors.

AIR-COMPRESSORS

Ashok Laboratories, Ltd.—121-22, St. Xavier's Street, Bombay 1 or P. B. 6629, Bombay 19.
 Associated Industrial Promoters Ltd.—534, Sandhurst Bridge, Bombay 7.
 Bharat Electric & Engineering Corporation.—28, Apollo Street, Fort.
 Brady, W. H., & Co. Ltd.—Royal Insurance Building, Vir Nariman Street, Fort.
CONSOLIDATED PNEUMATIC TOOL CO., LTD.—Liberty Building, 41/42, Marine Lines, Bombay. Phone: 31747.
 Dodsai Limited.—31, Murzban Road, Fort, Bombay; Representatives of Dinglerwerke A. G. Germany.
GAYTEE & CO.—Janmabhoorni Chambers, Fort Street, Fort, Bombay. Grams: "IMPENG." Phone: 32449.
 Great Western Engineering Works.—"Sea View", 1st Pasta Lane, Colaba, Bombay 5.
HASSAMBHOY JETHA.—Opp. Byculia Goods Depot, Parel Road, Bombay 27. Phones: 73591 and 73592. Grams: "IRONCASES."
 Ingersoll-Rand (India) Ltd.—Devkaran Nanjee Building, Elphinstone Circle, Fort.
 Larsen & Toubro Ltd.—J. K. Building, Dougall Road, Ballard Estate, Fort.
 Marshall Sons & Co. (India) Ltd.—Marshall Building, Ballard Estate, Fort.
 Murdoch-Smith & Co., C. M.—23, Waudby Road, Fort.
 New Standard Engineering Co. Ltd.—222, Bellasis Road, Bombay 8.
TECALEMIT (INDIA) LTD.—9, Forbes Street, Fort, Bombay. Phones: 27021 and 27022. Grams: "TECALEMIT."
 Lubrication, Refuelling, Metering Equipment and Air Compressors.
 Unisales (India) Ltd.—27/83, Meadows Street, Fort.
 Ward Thos. W. (India) Ltd.—Marshall Building, Ballard Road, Fort.
WESTERN MANUFACTURING CO.—Hassan Chambers, Parsi Bazar Street, P.O. Box No. 1230, Fort. Phone No. Office: 32284. Workshop: 40147. Grams: "WESTERWORK."

AIR-CONDITIONING AND REFRIGERATION

Air Conditioning & Refrigerations Ltd.—Queen's Mansion, Bastion Road, Fort.
AIR CONDITIONING CORPORATION LTD.—Construction House, Wittet Road, Ballard Estate.
ASEA ELECTRIC INDIA LTD.—Yash Bldg., Goa Street, Fort, Bombay.
 Atlas Engineering Corporation.—Soorya Mahal, Corner Military Square Lane.
 Bharat Electric & Engineering Corporation.—28, Apollo Street, Fort.
 Blue Star Engineering Co. (Bombay) Ltd.—Kasturi Bldgs., Jamshedji Tata Road, Bombay 1.
 Brady, W. H., & Co. Ltd.—Royal Insurance Building, Vir Nariman Street, Fort.
 Choice Radios.—7, New Queen's Road.
 Craftman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort & Sethna Hall, Nesbit Road, Mazagaon, Bombay 10. Suppliers of equipment for.
DADAJEE DHACKJEE & CO., LTD.—(Refrigeration and Air-Conditioning Dept.), Sandhurst Bridge, Bombay. Importers of Cool-A-Matic Commercial Air-Conditioning Units manufactured by Automatic Firing Corp., U.S.A., Effbee Self Contained Domestic Air-Conditioners, Vectair Floor Coolers and Central system of Air-Conditioning equipment manufactured by F. H. Biddle Ltd., London, Nordic Condensing Units, Ice Machinery, Cold Storage equipment etc. manufactured in Denmark.
 Duncan Stratton & Co.—5, Bank Street, Fort.
EAST ASIATIC COMPANY (INDIA) LTD.—Wavell House, Graham Road, Ballard Estate. Phone: 30995.
 Economy Refrigeration & Engineering Co., Ltd.—Kirti Building, Forbes Street, Fort. Phone: 30342. Grams: "ICEMACHINE."
 Freezall.—Tribhuvan Road, Bombay 4.
 Gannon Dunkerley & Co., Ltd.—Chartered Bank Building, Mahatma Gandhi Road, Fort.
 Heatly and Gresham Ltd.—9, Forbes Street, Fort.
 Henry Henfield.—Central Bank of India Building, Bruce Street, Fort.
 Hindustan Electric Co.—Podar Chambers, Parsi Bazar Street, Fort.
INDUSTRIAL AIR CONTROL (INDIA) LTD.—Karimjee House, 2nd Floor, 59, Sir Phirozshah Mehta Road, Fort, Bombay. Phone: 34369. Grams: "COOLAIR." Concessionaires for Westinghouse Sturtevant Division, New York. All Air Handling Equipments.
 McKensie Ltd.—Sewri.
 Moussell & Company Ltd.—Lotus Building, Marine Lines.
RADIOCHILLERS, THE.—Air Conditioning & Refrigeration Engineers, Land Mansion, opp. Charai Road Station, 21-C-D, Queen's Road. Phone: 23606.

Protos Engineering Co. Ltd.—Jaxmi Building, Ballard Road, Bombay
 Refrigeration & Appliances Co., Ltd.—Universal Insurance Building, Sir Phirozshah Mehta Road, Fort.
 Vasant Industrial & Engineering Works. "Vasant Vijay", 470-471, Worli Road, Bombay 18.
 Vibgyor Trading Company—Lotus House, Hornby Road (next to Evans House), Fort.
VOLKART BROTHERS.—19, Graham Road, Ballard Estate, Bombay 1.
 Worthington Simpson Ltd.—Mubarak Manzil, Apollo Street, Fort.

AIRCRAFT, AIRCRAFT PARTS & ACCESSORIES

Indamer Company Limited—43, Tamarind Lane, Fort. Phone: 86483. Grams: "ALBALDINE".

TECALEMIT (INDIA) LTD.—9, Forbes Street, Fort, Bombay. Phones: 27021 and 27022. Grams: "TECALEMIT," Lubrication, Refuelling, Metering Equipment and Air Compressors.

AIR AND VACUUM PUMPS

GAYTEE & COMPANY.—Jannabhomi Chambers, Fort Street, Fort, Bombay. Grams: "IMPENG." Phone: 32449.

Craftsman Electronic Corporation Ltd. Navsari Building, 240, Hornby Road, Fort, and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.

SCIENTIFIC INSTRUMENT CO., LTD.—Navsari Building, 240, Dr. Dadabhai Naoroji Road (Hornby Road), Fort. Grams: "SICO." Phone: 20642. Offices also at: 6, Tej Bahadur Sapru Road, Allahabad 1; 11, Esplanade East, Calcutta 1; 30, Mount Road, Madras 2; 29, Regal Building, New Delhi 1.

Thos. W. Ward (India) Ltd.—Marshall Building, Ballard Road, Ballard Estate, Fort.

ALUMINIUM POWDERS

Akbarally Abdullahsain & Co.—19, Sutar Chawl, Bombay 2.
 Associated Agencies (Bombay)—47, Podar Chambers, Parsi Bazar Street, Fort.
 Mineral Ores and Industrial Corporation. 7-10, Botawala Building, Elphinstone Circle, Fort.
 Motor Color Co.—33, Nagdevi Street, Bombay 3.

ALUMINIUM WORKS

Aggarwal Metal Corporation—203, Kika Street, Gulawadi, Bombay 2.

Amritlal Girdharlal & Co.—71, Kansara Chawl, Bombay 2.

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort, and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10. Suppliers of Machinery and Instrument for.

Crown Aluminium Works.—26, Parcel Tank Road, Bombay 12. Phone No. 41099.

Doshi Bros. (Bombay).—204, Hornby Road.

Dun Aluminium Factory.—225-227, Tardeo Road.

Englsh Aluminium Mart.—63-65, Kansara Chawl, Kalbadevi Road, Bombay 3.

Indian Standard Metal Co., Ltd.—Chinchpokli Cross Lane, Bombay No. 27.

Jeevanlal (1029), Limited.—Liberty Building, Marine Lines, P. O. Box No. 562, Bombay 1.

Kotkar Enamel Works.—383, Arthur Road, North Lamington Road.

LALLUBHAI AMICHAND LTD.—Proprietors: "Dun Aluminium Factory," 225-227, Tardeo Road, Bombay 7. Mfrs. of all Non-Ferrous Metal Wares and Articles. Phone Nos.: 41610 & 73220. Grams: "CYCLEBRAND."

MAHOMEDHUSAIN & BROS.—106, Kansara Chawl, Kalbadevi, Bombay 2. Phone: 34159. Grams: "UTENSILS." Dealers in all kinds of Aluminium Wares & Sole Agents for Presto Pressure Cookers.

Matani Bros.—84, Mohamedali Road, Bombay 3.

Patent Tiffin Carrier Sanghvi & Co.—20, Kansara Chawl, Kalbadevi Road, Bombay 2.

Sanghvi & Sons.—20, Kansara Chawl, Kalbadevi Road, Bombay 2.

ANALYSTS

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10. Suppliers of Instruments and Equipment for.

ITALAS LTD.—Industrial Testing & Analytical Laboratories, "Pharmed House," 141, Fort Street, Fort, Bombay. Phone: 26446 & 21055. Grams: "ITALASO".

ARCHITECTS AND SURVEYORS

Abdulla Peermahomed & Co.—"Sardar Mansion," 22, Apollo Street, Fort.

Adalja & Co.—98, Meadows Street, Fort.

Ahmed Gaya & Co., Ltd.—People's Building, Sir Phirozshah Mehta Road.

Architectural Studio.—Prospect Chambers Annexe, Hornby Road, Fort.

Bhedwar & Bhedwar.—Cook's Building, Hornby Road, Fort.

Blaney, M. M., M.Sc. (Engr.) (Lond.).—Meadows House, 39, Meadows Street, Fort.

CHINOT, BUCHIA & DIVECHA.—Chartered Architects etc., 11, Bruce Street, Fort, Bombay.

C. N. LALA and K. C. LALA.—Cama House, 9, Ash Lane, Meadows Street, Fort, Bombay.

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10. Suppliers of Instruments for.

Dalal & Mehta.—41, Meadows Street, Fort.

Darukhanawalla, J. M., B.Sc. (Edin.).—Prospect Chambers, 317-21, Hornby Road, Fort.

Desai and Kirtika.—Laxmi Bldg., Sir Phirozshah Mehta Road, Fort, Bombay. Tel. No. 30188.

Dhondy, K. A., & Co.—Yusuf Building, 49, Churchgate Street, Fort.

Dhunjishaw Bhedwar & Co.—Behramji Mansion, Sir Phirozshah Mehta Road, Fort.

Ditchburn & Mistri & Bhedwar.—49-51, Jehangir Wadia Building, Mahatma Gandhi Road, Fort.

DOCTOR, B. E., F.R.I.B.A. (Lond.), F.I.I.A., M.R.San.I. (Lond.)—Chartered Architect, "Dhan Nuz," Sir Phirozshah Mehta Road, Fort, Bombay 1 and "BEN NEVIS," Warden Road, Bombay 26.

Engineering Survey Corporation.—Industrial Assurance Building, Churchgate Reclamation.

Estates Valuation & Engineering Co.—20, Old Custom House Road, Fort.

Gannon, Dunkerley & Co., Ltd.—Chartered Bank Building, Mahatma Gandhi Road, Fort.

Gilbert Lodge & Co.—Elphinstone Building, Veer Nariman Street, Fort.

Gregson, Batley & King.—Chartered Bank Building, Mahatma Gandhi Road, Fort.

Havaldar, K. G., & Co.—Kamer Building, 106, Cowasji Patel Street, Fort.

Hormasji Ardeshir, F.I.I.A., M.I.E. (Ind.), L.C.E.—22-D, Parsi Bazar Street, Fort.

Iyengar & Co.—Co-operative Insurance Building, Sir Phirozshah Mehta Road, Fort.

JAMNADAS & BHIDE.—Architects, Engineers & Surveyors, 134, Meadows Street, Fort.

Kapadia & Barin.—Ballard House, Jam-e-Jamshed Office, Mangalore Street, Fort.

Karandikar & Co.—Cama Building, 24-28, Dalal Street, Fort.

Karim Noorani & Co.—Mustafa Bldg., Sir Phirozshah Mehta Road, Fort.

Kora & Bhatt.—22, Apollo Street, Fort.

Master, Sathe & Bhuta.—34-38, Humnum Street.

Merwanjee Bana & Co.—Cama House, No. 24, Dalal Street, Fort.

Metcalfe & Hodgkinson.—Mackinnon Mackenzie's Building, Ballard Road.

MHATRE, PATIL & CO., B.—Architects, Surveyors & Decorators, Bombay Mutual Building, Hornby Road, Fort. Phone: 21470.

MODI & CO., V. M.—Jan Mansion, Sir Phirozshah Mehta Road, Fort, Bombay.

Mothilal & Co.—2-4, Apollo Street, Fort.

Mulvaney & Co., John L.—Bombay Mutual Building, Hornby Road, Fort.

Nemchand C. Kuvadia, B.E., A.M.I.E.—People's Building, Top Floor, Sir Phirozshah Mehta Road, Fort, Bombay.

NADKARNI & CO.—Ash Lane, Fort, Bombay 1. Architects, Engineers and Surveyors. Phone: 22764.

Pandit Bros.—Shivaji Motilal Mansion, Hamam Street, Fort.

Parakar & Dallas.—Chartered Architects, Meadows House, Meadows Street, Fort.

Pastakia & Billimoria.—42, Lakshmi Building, Sir Phirozshah Mehta Road, Fort.

PATKI & DADARKAR.—Chartered Architects, 19, Sir Phirozshah Mehta Road, Fort.

POONAGER, BILIMORIA & CO.—Architects, Civil Engineers, Surveyors, Appraisers and Adjusters for Insurance Companies, Rating Surveyors & Valuers. 24-26, Cama Building, Dalal Street, Fort. Phone No. 23625.

Rustom H. Pastakia, F.R.I.B.A.—42, Laxmi Building, Sir Phirozshah Mehta Road, Fort.

SANE & PAYMASTER.—Prospect Chambers Annexe, Hornby Road, Fort. Phone : 31967.
Shapoorjee N. Chandabhai & Co.—Advani Chambers, Sir Phirozshah Mehta Road, Fort.
Simon & Co.—Commissionariat Building, 231, Hornby Road, Fort.
Sykes, Patkar & Divecha.—24-26, Dalal Street, Fort.
Taraporvala & Co.—7-10, Elphinstone Circle, Fort.
Thacker & Co., C. R.—Advani Chambers, Sir Phirozshah Mehta Road, Fort.

ARMS AND AMMUNITION (GUNSMITHS)

Abdoolally Noorbhoy.—248-252, Abdul Rehman Street.
Army and Navy Stores Ltd.—Mahatma Gandhi Road, Fort.
Bharat Agencies.—The Kirti Building, 31, Forbes Street, Fort, Bombay.
Bombay Armoury.—329-31, Abdul Rehman Street, Bombay 3.
Essofally Mahomedally & Co.—102-104, Bhusari Moholla, Bombay No. 3.
KASSANAND HEMANDAS & CO.—Sitaram Building, 27, Hornby Road. Grams : "HEMAN."
Imperial Chemical Industries (India), Ltd.—Imperial Chemical House, Douglas Road, Ballard Estate.
MAHOMEDALLY NOORBHOY.—246, Abdul Rehman Street, Bombay 3. Estd. 1858. Grams : "SHOOTER."
NEW INDIA ARMS & AMMUNITIONS STORES.—Dealers in Arms, Ammunitions, Fishing & Sporting Requisites. C/o Evans Fraser & Co. (India) Ltd., Fort House, Hornby Road, Fort, Bombay 1. P.B. No. 781.
Saleh, M., & Co.—337, Abdul Rehman Street.
Tahir Arms Stores.—333, Abdul Rehman Street, Bombay 3.

AROMATIC CHEMICALS

B. C. Patel & Co.—Nal Bhuvan, 143, Princess Street, Bombay 2.
M. B. THAKKAR.—105, Princess Street, Bombay 2.
Rudhakishan Rajwani & Co.—143, Princess St., Bombay 2. Phone : 26997. Grams : "NERODOUR".
SIKRI BROTHERS.—79-E, Princess Street, Bombay No. 2. Phone No. 33494. Grams : "OLLMAN."

ART (FINE ARTS)

Forwag Studio.—Dhutipeshwar Building, Mangal Wadi, Girgaum.
SONEJI BLOCK STUDIO.—Specialists in Line, Halfstone and Multicolour Blocks, Stereos, Matrices, Designs and Cinema Slides, 150, Modi Street, Fort, Bombay.
Vaswani Art Publishers.—38-8, Dattatraya Building, Tukaram Javji Road, Grant Road, Bombay 7.

ARTIFICIAL LIMBS MANUFACTURERS

ALL INDIA SURGICAL CO.—Vallabh Terrace, opp. Dena Bank, 505, Sandhurst Road Tram Terminus, Bombay 4.
Orthopaedic Specialists. Consultants for Deformity Appliances. Manufacturers of Hernia Trusses, Abdominal Belts, Deformity Boots and Appliances, Artificial Limbs, etc. Phone : 71767. Grams : "PAIARSIE."
Powells Limited.—431, Lanington Road, Bombay 4.

ARTIFICIAL SILK YARN

Ahmed Abdul Karim Bros. Ltd.—Karim Building, Mohammedally Road.
Arvinda Bros.—165, Vitthalbhai Patel Road, Bombay 4.
Asian Trading Corporation.—P. O. Box No. 1505, 20, Mangesh Street.
Beardsell, W. A., & Co., Ltd.—15-16, Sir Phirozshah Mehta Road, Fort.
Blascheck, H., & Co.—Dadyath House, opp. Hongkong Bank, Fort.
Central Machine Tools Agency.—43, Nagdevi Cross Lane, Bombay 3.
C. P. Doshi & Co.—Bombay Mutual Building, Hornby Road, Fort.
Craftsman Electronic Corporation Ltd.—Nasari Bldg., 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.
Suppliers of Instruments for.
Darshimal Tandon & Co.—Victoria Bldg., Parsee Bazar Street, Fort, Bombay.
Dawood Hajeer Nasser & Co.—Maneckia Chambers, 1st Marine Street, Dhobi Talao.
D. Ram & Co.—Krishna Nivas, New Silk Bazar, P.O. Box 2376, Bombay 2. Grams : "SADHU." Sole Prop. :—Dayaram Sadhumal, M.A.

Girdharlal, Bhavani Prasad.—Jai Hind Building No. 2, Bhuleshwar, Bombay 2.
Grand Bazar.—25, Colaba Causeway, Bombay 1.
Greentose Corporation (India).—Cama Buildings, 24-26, Dalal Street, Fort.
Hasarat & Co.—People's Building, Sir Phirozshah Mehta Road, Fort.
Hoosain, M. A., & Bros.—Lakshmi Building, Sir Phirozshah Mehta Road, Fort.
P. Parbhulal & Co., Ltd.—Whiteaway Laidlaw Building, Hornby Road, Fort.
Ramkissandas Sagarmal.—Kalyan Bhuvan, 354, Kalbadevi Road.
Ratilal Dayabhai Shah.—Tambakanta, Pydhownie.
Rustomji Nowroji Bapasa (Estd. 1909).—62, Forbes Street, Fort.
Salein & Company.—31, Murzban Road, Fort, Bombay.
Sewaram Girdharlal.—354, Kalbadevi Road.
Shewakram & Sons, K.—Next to Kalbadevi Post Office, Kalbadevi.
S. Manubhai & Co.—Albert Building, 346, Hornby Road, Fort.
Todi & Company.—Importers & Exporters, 41, Hamam Street, Fort.
Yacoub Ahmed Brothers.—128-134, Mahomedali Road.

ASAFETIDA DEALERS

Varjivandas Hirjee & Co.—240, Samuel Street, Vadgadi.

ASBESTOS PRODUCTS

Abdoolally, B. M., & Co.—127, Sarang Street, Bombay 3. Phone : 31790.
Allabux, M., & Co.—110-112, Cawasji Patel Street, Fort.
Asbestos Magnesia & Friction Materials Ltd.—13, Gunbow Street, Bombay 1.
Asbestos Products Manufacturing Co., Ltd.—20, Apollo Street, Fort.
Balmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate, Fort.
Bharat Pulverising Mills.—Chinchpokli Cross Lane, Byculla, Bombay 27.
Brady, W. H., & Co., Ltd.—Royal Insurance Building, Churchgate Street, Fort.
CHUNILAL KHANNA & CO.—Saraswati Niwas, Thakurdwar Road, Bombay 2.
DATSON RAVIRAJ.—43, Tamarind Lane, Fort.
DIARVI TRADING CO.—64, Old Custom House Road, Fort, Bombay.
Expanded Metal Depot.—91-93, Expanded Metal House, Abdul Rehman Street.
FAKRUDDIN & CO.—43, Abdul Rehman Street. Phone : 33034. Grams : "EXMETAL." Asbestos Products for Electrical insulations ; Arc and heat resisting sheets.
Hardcastle, Waud & Co., Ltd.—Alice Buildings, Hornby Road, Fort.
Industrial Minerals and Chemical Co.—125, Narayan Dhuru Street, Bombay 3.
International United Trading Corporation.—80-90, Lohar Chawl, Bombay 2.
Jacks, William & Co., Ltd.—Hamilton House, Graham Road, Ballard Estate, Fort.
Jaswantlal Maneklal & Co.—40, Churchgate Street, Fort.
Kamlashanker P. Joshi.—72-80, Nagdevi Cross Lane, Bombay 3.
KILBURN & CO., LTD.—Asian Building, Ballard Estate, Fort, Bombay ; Phone : 31908. Grams : "TASCONIUM."
Merchants Bros.—151, Nagdevi Street.
NAGDEVI TOOL-STEEL MART.—186-88, Nagdevi Street, Bombay 3.
NATIONAL HARDWARE & STORES SUPPLY CO.—Post Box 3146, Bombay 3. Phone : 33462. Grams : "REQUISITES." Bombay 1.
P. RATILAL & CO.—43, Dhanji Street, Bombay 3.
Roberts, McLean & Co., Ltd.—Ilaco House, Sir Phirozshah Mehta Road.
Shah & Mehta.—7, Second Carpenter Street, Bombay 4.
S. S. Prabhu.—Ghumat Terrace, opp. Dadar Station (W. Rly), Bombay 14.
TEAKORLAL & CO.—47, Nagdevi Cross Lane, Bombay 3. Phone : 20498. Grams : "PIPEWARES."
U. Asbestos & Mineral Supply Co.—88-90, Abdul Rehman Street, Bombay 3.

ATTORNEYS AND SOLICITORS' FIRMS

Albars & Co.—Central Bank Building, Mahatma Gandhi Road, Fort.
Alreja & Co.—Ismael Building, Hornby Road, Fort.
Amarchand & Mangaldas.—Lentin Chambers, Junction of Dalal Street and Medows Street, Fort.
Ambubhai & Diwanji.—Lentin Chambers, Corner of Dalal Street and Medows Street, Fort.
Amin, B., & Co.—42-43, Alili Chambers, Dean Lane, Fort.
Amin, Desai & Nanavati.—Humnum House, Humnum Street, Fort.

Ardeshir, Hormasji, Dinshaw & Co.—113, Mahatma Gandhi Road, Fort.
Benjamin, Chhatrapati & Co.—Seksaria Chambers, 139, Medows Street, Fort.
Bhalshankar, Kanga & Girdaral.—Albert Building, Hornby Road, Fort.
Cama & Jayakar.—Yusuf Building, Mahatma Gandhi Road, Fort.
Chitnis & Kanga.—94, Medows Street, Fort.
Chitre & Co.—Examiner Press Building, 35, Dalal Street, Fort.
Choksey & Co.—Alli Chambers, Medows Street, Fort.
Craigle, Blunt & Caroe.—Standard Building, Hornby Road, Fort.
Crawford, Bayley & Co.—Imperial Bank Building, Bank Street, Fort.
Dabholkar & Jestaram.—Junction of Medows Street & Tamarind Lane.
Dady Hurlor & Co.—Rustom Building, 29, Churchgate Street, Fort.
Dalal, N. C., & Co.—111, Mahatma Gandhi Road, Fort.
Dallas & Co.—Junction of Medows Street and Military Square Lane, Fort.
Daphary, Ferreira & Divan.—13-19, Medows Street, Fort.
Dastur & Co.—Isamli Building, Hornby Road, Fort.
Dayalji & Dipchand.—Fort Chambers, Dean Lane, Fort.
Desai & Co.—70, Medows Street, Fort.
Dewan Raj Kumar.—78, Podar Chambers, Parsee Bazar Street, Fort.
Dikshit, Manecklal & Co.—23, Medows Street, Fort.
Eastley Lam & Co.—Jehangir Building, Mahatma Gandhi Road, Fort.
Gagrat & Co.—Alli Chambers, Medows Street, Fort.
Ghandy & Co.—Prince Building, 70, Medows Street, Fort.
Ghulamali Noorani & Co.—Tamarind House, Tamarind Lane, Fort.
Godame & Jogekar.—Kermani Building, Sir Phirozshah Mehta Road, Fort.
Golwala & Co.—Oriental Bank Building, 65, Mahatma Gandhi Road, Fort.
Haridas & Co.—35, Dalal Street, Fort.
Harihar Thakar & Co.—Cama Chambers, Medows Street, Fort.
Hasan Baxi & Co.—Lalgar Chambers, Tamarind Lane, Fort.
Hiralal M. Mehta & Co.—Cama Chambers, Medows Street, Fort.
Jamshetjee Rustomji & Devidas.—Lalgar Chambers, Junction of Dean Lane and Tamarind Lane, Fort.
Jehangir, Gulabhai & Billmorla.—Solicitors, 14, Hamam Street, Fort.
Jehangir & Seervai.—Opp. Bombay University Building, 107, Mahatma Gandhi Road, Fort.
Jhaveri & Co.—40-44, Hamam Street, Fort.
Joishi & Co.—34-36, Alli Chambers, Medows Street, Fort.
Kamdar & Co.—Medows House, Medows Street, Fort.
Kanga & Co.—Readymoney Mansion, next to Mongini Ltd., Churchgate Street, Fort.
Kharas & Co.—Banisil Building, Bruce Street, Fort.
KHUNDERAO, LAUD & CO.—101, Mahatma Gandhi Road, Fort. Partners, K. S. Rele, D. J. B. Kamdin. Tel.: 20947.
Lakhia & Co.—8, Bell Lane, Medows Street, Fort.
Lala & Co.—Isamli Building, Hornby Road, Fort.
Little & Co.—Central Bank Building, Mahatma Gandhi Road, Fort.
Madhavji & Co.—Examiner Press Building, 35, Dalal Street, Fort.
Mahimtura & Co.—66, Tamarind Lane, Fort.
Mahomed Ali & Co.—15, Military Square Lane, Fort.
Majmudar & Dalal.—Isamli Building, 381, Hornby Road.
Malvi, Ranchoddas & Co.—27-29, Mahatma Gandhi Road, Fort.
Manilal, Kher, Ambalal & Co.—Jehangir Wadia Building, 51, Mahatma Gandhi Road, Fort.
Mankodi & Co.—Fort Chambers, Tamarind Lane, Fort.
Maneklal, Hiralal & Co.—5, Military Square Lane, Fort.
Manubhai & Co.—Cama Building, 24-26, Dalal Street, Fort.
Matubhai, Jamietram & Madan.—Lentin Chambers, Dalal Street, Fort.
Mazagonwalla & Co.—Lentin Chambers, Dalal Street, Fort.
Mehta, Lalji & Co.—2-4, Oak Lane, Fort.
Merwanji, Kola & Co.—14, Hamam Street, Fort.
Minocheher Hiralal & Co.—41-45, Medows Street, Fort.
Mody & Co.—381, Isamli Building, Hornby Road, Fort, Bombay 1.
Mohile & Parekh.—65, Mahatma Gandhi Road, Fort.
Motichand & Devidas.—31, Nanabhai Lane, Fort.
Mulla & Mulla.—Jehangir Wadia Building, 51, Mahatma Gandhi Road, Fort.
Nagindas, Hooseinally & Co.—Yusuf Building, Churchgate Street, Fort.
Nanu Hormasjee & Co.—Fort Chambers, Hamam Street, Fort.
Narielvala & Framrose.—Central Bank Building, Mahatma Gandhi Road, Fort.
Pandia & Co.—Hamam House, Hamam Street, Fort.
Papa, B. E., & Co.—41, Hamam Street, Fort.
Pathare & Liladhar.—38, Tamarind Lane, Fort.
Payne & Co.—Esplanade House, Waudby Road, Fort, Solicitors and Notaries Public. Partners: Dinsha K. Daji, Framros H. Vakeel, K. K. Lala, Sorabji N. Vakil, C. E. Jussawalla, D. P. Mehta and E. A. Dastur.
Pereira, Fasalbhoy & Co.—Fasalbhoy Building, 45-47, Mahatma Gandhi Road, Fort.
Raghavayya, Nagindas & Co.—94, Medows Street, Fort.
Ranchoddas & Co.—Examiner Press Building, Medows Street, Fort.

R. H. Dadyburjor.—Rustom Building, 29, Churchgate Street, Fort.
Rege, D. N., & Co.—Yusuf Building, Mahatma Gandhi Road, Fort.
Romer Dadachanji Sethna & Co.—1st Floor, Raja Bahadur Motilal Banisil Mansion, 14K, Hamam Street, Fort. Solicitors and Notaries Public.
Rustomji & Glnwalla.—Old French Bank, Mahatma Gandhi Road, Fort.
Sabnis, Goregaoker & Rele.—11, Bruce Street, Fort.
Samant & Co.—381, Hornby Road, Fort.
Shah & Chinubhai.—Ebrahim Building, 98, Medows Street, Bell Lane, Fort.
Shah & Mehta.—7, 2nd Carpenter Street, Bombay 4.
Shah & Co.—Yusuf Building, Mahatma Gandhi Road, Fort.
Shastri & Co.—77, Medows Street, Fort.
Shroff & Co.—375, Hornby Road, Fort.
Smetham, Byrne & Lambert.—Jehangir Wadia Building, 51, Mahatma Gandhi Road, Fort.
Solomon & Co.—Splener Building, Tamarind Lane, Fort.
Sukthanker & Gupte.—Yusuf Building, 35-43, Mahatma Gandhi Road, Fort.
Surajmal & Co.—Mahendra Mansions, Mahatma Gandhi Road, Fort.
Surveyor & Co.—Central Bank Building, Mahatma Gandhi Road, Fort.
TABER & CO.—Solicitors, Examiner Press Building, 2nd Floor, 35, Dalal Street, Fort.
Thakordas, Daru, Ifemany & Co.—Alli Chambers, Tamarind Lane, Fort.
Thatte & Co.—Examiner Press Building, 33, Medows Street, Fort.
Tyabji, Dayabhai & Co.—Lentin Chambers, Dalal Street, Fort.
Vachha & Co.—Yusuf Building, Mahatma Gandhi Road, Fort.
Vakil, B. H., & Co.—Karim Chambers, Hamam Street, Fort.
Vakil, Dadabhai & Bharucha.—Cama Building, 24-26, Dalal Street, Fort.
Vrajlal & Co.—41, Medows Street, Fort.
Wadia, Ghandy & Co.—123, Mahatma Gandhi Road, Fort.
Wallace, J. P., & Co.—Shale Building, 28-32, Bank Street, Fort.
Wiu & Co.—Banisil Mansions, 41A, Bruce Street, Fort.
Zalwalla & Co.—Readymoney Mansion, 43, Churchgate Street, Fort.

AUCTIONEERS

Bennett & Co.—120 Apollo Street, Fort.
Crawford & Co.—122, Apollo Street, Fort.
Gandhi & Co.—72, Medows Street, Fort.
GILBERT-LODGE & CO.—Elphinstone Building, Veer Nariman Street, Fort. Phones: 22107 & 31709.
Menesse & Co.—Great Western Building, 3, Apollo Street.
Mistry & Co.—75, Apollo Street, Fort.
Mody, J. S., & Co.—Raja Bahadur Shival Motilal Mansion, 20, Hamam Street, Fort.
Sorabjee Cowasjee & Co.—123, Medows Street, Fort.
Vora & Co.—2, Babulal Mansion, Chowpatty Sea Face.

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JANJIRA CAR AND LORRY DRIVING AND MECHANICAL SCHOOL.—Near J.J. Hospital, Bombay 3. Phones: 73215 & 71500. Over 9500 Pupils Taught Successfully since last 33 years.
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Authorised Repairers of Dodge Cars & Trucks and Chrysler Cars.
Bombay Garage Ltd.—Mener Building, Chawpatty, Bombay 7.
Car Mart Ltd.—Pratt's Building, Hughes Road.
Ford Motor Co. of India Ltd.—Swadeshi Mills, Charni Road, Bombay 4.
French Motor Car Co. Ltd.—9-11, Hughes Road, Bombay.
International Motor Co.—Sandhurst Bridge.
Karfule Ltd.—25, Sprout Road, Ballard Estate, Bombay.
Lucas Indian Service Ltd.—15, New Queen's Road, Bombay 14.
Macmullis Garage Ltd.—38, Apollo Reclamation, Bombay 1.
Metro Motors.—The Motor House, Hughes Road, Bombay.
METROPOLITAN GARAGES LTD.—Churchgate Reclamation, Fort. Automobile Engineers & Multi-storied Garages. Phones: 20421 and 34943. Grams: "MULTIGAR."
Motor House (Gujarat) Ltd.—Bhandup.
Moussé & Company Ltd.—Lotus House, Marine Lines.
NATIONAL GARAGE LTD., THE.—Warden Road, Bombay 28. Grams: "LUCKYLOT". Phone: 42262; Distributors: Oldsmobile Cars and Bedford Trucks, Garage Equipments and Tools, etc.

Nelson Motor Mart.—Opp. Charni Road Rly. Station, Queen's Road.

PREMIER AUTO ELECTRIC LTD.—534, Sandhurst Bridge, Bombay 7. Phone Nos. 70684/5. Grams: "PREAULEC." Specialists for repairs to everything Electrical on your Car. Central Service Station in India for the Electric Auto-Lite Co., U.S.A. Branches: Calcutta and Madras.

Royal Auto Works.—Tanker Villa Estate, 200, Gowalla Tank Road, Bombay 26.

Sam Ruston & Company.—31-33, Mangalore Street, Ballard Estate, United Motors (India) Ltd.—Hughes Road, Bombay.

Veena Automobile Service Station.—33, Wodehouse Road, Wellington Mews, Fort.

AUTOMOBILE PARTS AND ACCESSORIES

Allied Automobiles.—Laxmi Building, Sandhurst Road, Bombay 4.

Asian Trading Corporation.—P. O. Box 1508, 20, Mangesh Street.

Asiatic Automobiles.—1, New Bhatwadi Street, Sandhurst Road, Bombay 4.

Associated Auto Parts Ltd. 445, Lamington Road, Bombay 4.

AUTO AGENCY—Congress House, Vithalbhai Patel Road, Bombay 4. Phone: 71481. Grams: "RIVET", Importers of Auto Parts & Accessories.

Auto Equipment Ltd.—68-C, Bansilal Motilal Building, Opera House Tram Terminus, Bombay 4.

BOMBAY CYCLE & MOTOR AGENCY LTD.—534, Sandhurst Bridge, Bombay 7. Agent for Motor Parts and Accessories for Dodge Cars and Trucks and Chrysler Cars.

Bombay Garage Ltd.—Meher Bldg., Chowpatty, Bombay 7.

Bombay Motor House.—479, Banji Nivas, Sandhurst Road, Bombay 4. Phone: 71937. Grams: "Autoprince".

Bombay Motor Trading Co.—Cutch Castle, near Opera House, Bombay 4.

CENTRAL AUTOMOBILES LTD.—Laxmi Bhuvan, Sandhurst Road, Bombay 4. Phone: 72866. Grams: "CENTALAUTO."

Central India Trading Company.—Ranchandra Mansion, Bhatwadi Street, Sandhurst Road, Bombay 4.

Cheap Motor Stores.—Opera House Tram Terminus, Bombay 4. Phone: 30675. Grams: "CHEAPMOTOR."

Chimanlal Desai & Co.—Gool Mansion, Homji Street, Fort.

City Motor Company, The.—Modi Chambers, French Bridge, Bombay 4.

Commercial Auto Store.—Mani Bhuvan, French Bridge, Bombay 7.

Continental Automobiles Ltd.—Laxmi Bhuvan, 406, Sandhurst Road, Bombay 4. Phone: 72866. Grams: "CONALTO."

Dadajee Dackjee & Co., Ltd. (Motor Dept.)—Shree Pant Bhuvan, Sandhurst Bridge, Bombay.

D. Walker & Sons.—Prospect House, New Bhatwadi, Sandhurst Road, Bombay 4.

Dubash Freres & Co.—Victoria Building, Parsi Bazar Street, Fort.

Eastern Motor Corporation.—Indra Nivas, Bhatwadi Road, Bombay 4.

Electro Engineering Co.—Sea View, 1st Pasta Lane, Colaba.

Foreign Products Distributing Co.—491, Sandhurst Road, Bombay 4.

H. S. Chaddha & Sons.—483, Sandhurst Road, Bombay 4. Phone: 70875.

INDIA ELECTRIC WORKS LTD.—6, Sir Phirozshah Mehta Road, Fort, Bombay. Phone: 34208. Grams: "MANUFACTURER." Selling Agents for "PRADIP" Auto Lamps.

International Motor Co.—Sandhurst Bridge.

Jai Hind Rubbers Products, Ltd.—891-F, Grant Road, Bombay 7.

J. V. MEHTA & CO.—Automobile and Radio Specialists, Opera House Tram Terminus, Lamington Road, Bombay 4. Phone Nos. 70225 & 70226. Distributors for English Zenith Carburettors, English Lockheed Brake Parts and Oil, McQuay-Norris Pistons and Parts, Atlas Battery Chargers, Roadmaster Cell testers; Importers of all Automobile Parts and Accessories, Garage Tools, etc.

Kamleshanker P. Joshi.—72-80, Nagdevi Cross Lane, Bombay 2.

Kandawalla & Co.—13, Hughes Road, Bombay 7.

KATARA MOTOR CO.—13-14, Modi Chambers, French Bridge, Bombay 4. Phone: 72097. Grams: "KATARAMOTO."

Kothari Brothers & Co.—Prospect House, Sandhurst Road, New Bhatwadi, Bombay 4.

Macmulla's Garage Ltd.—36, Apollo Reclamation, Bombay 1.

Mehta Motor Stores.—Banji Nivas, Sandhurst Road, Bombay. Phone: 42456. Grams: "METAMOTORS."

Motor House (Gujarat) Ltd.—Bhandup.

Moussell & Company Ltd.—Lotus House, Marine Lines.

National Agencies.—New Bhatwadi, Sandhurst Road, Bombay 4.

National Automobile Co., Ltd.—Opera House Tram Terminus, Bombay 4.

Nisbet Trading Co.—461, Sandhurst Road, Bombay 4.

Oster, F. & Co., Ltd.—New Queen's Road, Bombay 4.

PARAMOUNT AUTOMOBILES.—14, New Bhatwadi Lane, Sandhurst Road, Bombay 4. Phone: 71844.

PARAMOUNT (INDIA) LTD.—Kermani Building, Sir Phirozshah Mehta Road, Fort.

Paramount Traders.—Bhagwan-Bhuvan, 61, Tejpal Road, Villeparle (East), Bombay 24. Grams: "UNDISHERI", Indentors and Commission Agents.

Patel, U. D., & Co.—11, Bank Street Building, Fort.

Prabhulal N. Anandwala.—43, Tamarind Lane, Fort.

PREMIER AUTO ELECTRIC LTD.—534, Sandhurst Bridge, Bombay 7. Phone: 70684/5. Grams: "PREAULEC."

Central Distributors for All-India for AUTO-LITE Electrical Service Parts and Service Distributors for Bombay for CARTER Carburettors. Branches: Calcutta and Madras.

Pramasha Motor Co., The.—420, Lamington Road, Bombay 4.

Provincial Motor Car Co., Ltd.—Opp. Opera House, New Queen's Road, Bombay 4.

Regal Motors.—Jetha Street, Lamington Road, Bombay 8.

Rane Limited.—New Queen's Road.

Reliance Automobiles.—Manu Mansion, 475, Sandhurst Road, Bombay 4.

Royal Express Agency.—217, Nagdevi Street, Bombay 3.

Shah & Sunder.—7/10, Horniman Circle Botawala Building, Bombay 1.

Sethi Trading Co.—New Bhatwadi, Sandhurst Road, Bombay 4.

SHETTY AUTOMOBILES.—Opera House Tram Terminus, Bombay 4. Direct Importers and Stockists of Motor Parts, Accessories, etc. Phone: 34822. Grams: "BIPISHETTY."

SKF BALL BEARING CO., LTD.—Mustafa Building, 19, Sir Phirozshah Mehta Road, Fort, P.O. Box No. 71, Bombay.

Spence Ltd.—Kennedy Bridge, Bombay 4.

S. S. Prabhu.—Ghamat Terrace, opp. Dadar W. Rly. Station, Bombay 14.

TECALEMIT (INDIA) LTD.—9, Forbes Street, Fort, Bombay. Phone: 27021 & 27022. Grams: "TECALEMIT." Grease

Nipples and Guns, Filters, Elements, Metal Flexibles, etc.

Triangular Motors Ltd.—New Queen's Road, Bombay.

Universal Automobiles.—461, Sandhurst Road, Bombay 4.

Universal Service Corporation Ltd.—457-9, Sandhurst Road, Bombay 4.

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Volkart Brothers.—19, Graham Road, Ballard Estate.

BAKELITE

All-India Bakelite Works.—Dawood Fazal Trust Building, 111, Janikar Street, Bombay 3.

Associated Agencies (Bombay).—47, Podar Chambers, Parsi Bazar Street, Fort.

Blascheck, H., & Co.—Dadyseth House, 124, Cowasji Patel Street, Fort.

Central Bottle Trading Co.—Padamsal Aunexe, Chakia Street, Bombay 3.

C. P. Doshi & Co.—Bombay Mutual Building, Hornby Road, Fort.

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort. Suppliers of Machinery, Instruments and accessories for.

Embi Desai & Co.—Dadyseth House, Cowasji Patel Street, Fort, Post Box No. 1116, Bombay 1.

Gulam Rasul Allahbux.—1/B, Bachocall House, Nowroji Hill Road No. 1, Bombay 9.

Hardcastle, Waud & Co., Ltd.—Alice Buildings, Hornby Road, Fort.

Hazex.—337, Kalbadevi Road.

Kosma Laboratories.—Allahabad Bank Bldg., Apollo Street, Fort.

Navinchand Zaveri & Co.—73, Swadeshi Market, Kalbadevi Road.

Prestman Limited.—Great Social Building, Sir Phirozshah Mehta Road, Fort, Bombay 1.

Rubako Industries.—Behramji Mansion, Sir Phirozshah Mehta Road, Fort.

Salemahomed Padamssee & Co.—141, Chakia Street, Bombay 3.

Swadeshi Glass Works Depot.—25, Bank Street, Fort.

VIJAY BAKELITE TRADING CO.—Pimpal Wadi, Mughbhatt St., Bombay 4. Suppliers of all kinds of quality Bakelite Caps, Rubber Caps and Aluminium Capsules.

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American Express Bakery.—A. E. B. House, Clare Road, Byculla.

Briannia Biscuit Co., Ltd.—Ray Road Bridge, East.

Carr & Co., Ltd.—Imperial Chambers, Wilson Row 1, Ballard Estate.

Clare Road Bakery.—"Win-Villa," 9, Clare Road, Byculla.

Hiscocks, E., & Co.—"Win-Villa," 9, Clare Road, Byculla.

Huns Newton & Co.—P. B. No. 4518, 168, Upper Duncan Road, Byculla, Bombay 8.

Kyani & Co.—Jer Mahal Estate, Dhobi Talao.
 Mahajan Bros.—Anand Nivas, Girgaum Road.
 Marosa & Co.—13, Meadows Street, Fort.
 Mongini, Limited.—45-47, Churchgate Street, Fort.
 Pahelavi Bakery.—101, Umerkhad.
 Palmer, A., & Co.—C-123, Cumballa Hill.
 Parle Products Mfg. Co.—Bomanji Master Lane, Kalbadevi.
 Pearce & Co.—Opp. Imperial Bank, Apollo Street, Fort.
 Raj, H., & Company.—93, Princess Street, Bombay 2.
 Renown Biscuits Co.—Contractor Building, Connaught Road, Byculla.
 Shaikh & Co.—94, All Umar Street.
 Standard Bakery.—62, Nizam Street, Bhendi Bazar, Bombay 3.
 Star Bakery.—180, Naigaum Cross Road, Dadar.

BAKERS' AND CONFECTIONERS' REQUISITES

Baker & Co., Ltd.—Oomrigar Building, opp. Crawford Market, Bombay 3.
 Mongini Limited.—13-15, Tamarind Lane, Fort, Bombay.

BAKERY MACHINERY

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.
 General Radio & Appliances Ltd. (Formerly Fazalbhoy Ltd.)—Opera House, Bombay 4. Phone: 26204. Grams: "FAZEO."
 Greentose Corporation (India).—Cama Buildings, 24-26, Dalal Street.

BALL BEARINGS

Anil Bearing Stores.—163, Nagdevi Cross Lane, Bombay 3. Tel. Address: "HEAPSTOKE."
 Asian Trades & Industries. Post No. Box 3113, Bombay 3. Phone: 33402. Grams: "ASIANTRADE."

Associated Auto Parts Ltd.—445, Lamington Road, Bombay 4.
 Associated Industrial Promoters, Ltd.—534, Sandhurst Bridge, Bombay 7.

BATLIBOI & CO.—Engineers & Machinery Importers, Head Office: Forbes Street, Fort, Bombay 1. Phone Nos. 30007-8-9 (Three Lines). Tel. Address: "BATLIBOICO". Branches:
Batliboi House, Nagdevi Cross Lane, Bombay 3; 3-153, Broadway, Madras; P-34, Mission Row Extension, Calcutta; 55-5, Japan Building, New Chowri, Delhi; 12-5D, Variety Hall Road, Coimbatore; Reid Road, Ahmedabad; 26-59, Birhana Road, Kanpur.

BEHART TRADING CO.—43, Lakhami Building, Nagdevi Cross Lane, Bombay 3. Grams: "FANBEARING." Phone: 32560.

Diarvi Trading Co.—64, Old Custom House Road, Fort.
 Electro Engineering Co.—Sea View, Pasta Lane, Colaba.
 Great Western Engineering Work.—"Sea View," 1st Pasta Lane, Colaba, Bombay 5.

Greentose Corporation (India).—24-26, Dalal Street, Fort, Bombay.
 Healty and Gresham Ltd.—9, Forbes Street, Fort.

Jayant Engineering & Mill Stores, 39, Nagdevi Cross Lane, Bombay 3.

JHALA, R. T., & CO.—9, Forbes Street, Fort, Bombay 1.

MACHINE TOOLS & IMPLEMENTS.—Advani Chambers, Sir Phirozshah Mehta Road, Fort. Phone: 22868. Grams: "MACHTOOLS." Branch: 24, Nagdevi Cross Lane, Bombay 3.

Malcolm & Co.—263, Hornby Road, Fort.
 Mehta, J. V., & Co.—Opera House Train Terminus, Bombay 4.

NATIONAL BEARING CO., LTD.—26, Calicut Street, Fort, Bombay 1. Head Office and Works: Jaipur (Rajasthan). Calcutta Office: 1-A, Vansittart Row; Manufacturers of Ball Bearings and Steel Balls in India under Licence from Messrs. Hoffmann Manufacturing Co., Ltd., U. K. and Sole Distributors in India for Hoffmann Ball and Roller Bearings.

NATIONAL HARDWARE & STORES SUPPLY CO.—Post Box 3146, Bombay 3. Phone: 33462. Grams: "REQUISITES."

Pans & Co.—105, Apollo Street, Fort.
 Roberts McLean & Co., Ltd.—Ilaco House, Sir Phirozshah Mehta Road, P. O. Box 462, Fort.

RUBY ENGINEERING CORPORATION.—112/124, Nagdevi Street, Bombay 3. Grams: "RUBIRUP."

SKF BALL BEARING CO., LTD.—Mustafa Building, 19, Sir Phirozshah Mehta Road, Fort, P. O. Box No. 71, Bombay. Spence Ltd.—Kennedy Bridge, Bombay 4.

THAKORLAL & CO.—47, Nagdevi Cross Lane, Bombay 3. Phone: 20498. Grams: "PIPEWARES."

Todi & Co.—Importers & Exporters, 41, Hamam Street, Fort. Grams: "Offer." Phone: 28623.

Universal Services Corporation Ltd.—457/9, Sandhurst Road, Bombay 4.

Upper India Trading Co., Ltd.—Ravel Building, Lamington Road, Bombay 4.

Vinod Mehta & Co.—22-B, Noble Chambers, Parsee Bazar Street, Fort

BANGLE MANUFACTURERS

All-India Trading Corporation.—25, Bank Street, Fort. Grams: "Autoglass". Agents for Palsa Fund Bangles Products.

Artbangle Limited.—J. K. Building, Dougall Road, Ballard Estate, Post Box No. 278, Bombay.

Buy & Happy Stores.—12-13, Swadeshi Market, Kalbadevi Road, Bombay 2.

Home Industries Corporation.—38-42, Shamset Street, Bombay 2.
 Kanthawala, N., & Co.—77, Meadows Street, Fort.

MADHUSUDAN & CO.—Manufacturers of Celluloid and Plastic Bangles, Imitation Jewellery and Ladies requisites 94, 3rd Bhoiwada, Bombay 2, P. O. Box 2353.

Magani N. Maniar.—63, 3rd Bhoiwada, Bombay 2.

BARRELS, DRUMS & HOLLOWARE MFRS.

BEHART BARREL AND DRUM MFG. CO., LTD.—Botawala Building, 11/13, Horniman Circle, Fort, Bombay. Phones: Office: 27989/28882. Factory: 42161. Grams: "STEEL-DRUM."

BATTERIES

AMZEL LTD.—Lotus House, Marine Lines, Bombay. Manufacturers: Zelite Storage Batteries.

Anand Traders.—New Bhatwadi, Sandhurst Road, Bombay 4.
 Apollo Battery Station.—Guda Bhuvan, opp. Punjab National Bank, 419, Lamington Road.

Balmer Lawrie & Co. Ltd.—5, Graham Road, Ballard Estate, Fort.
 Bombay Garage Ltd.—Meher Building, Chowpatty, Bombay 7

Central Automobiles.—Laxmi Bhuvan, Sandhurst Road, Bombay 4.
 Chloride & Exide Batteries (Eastern) Ltd.—Savoy Chambers, Wallace Street, Fort. G. P. O. Box No. 382. Phone No. 26088 (2 lines).

Calcutta Office: 59-C, Chowringhee Road, Calcutta 20. General Manager: H. R. Gregson. Bombay Manager: H. Bebbington, Calcutta Manager: C. H. Walker. Madras Representative: R. Knight.
 Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.

ESTRELA BATTERIES LIMITED.—Plot No. 1, Dharavi Road, Bombay 19. Manufacturers of all kinds of Dry Cells and Batteries.

Gulam Masul Allahbux.—1-B, Bachooali House, Nowroji Hill Road No. 1, Bombay 9.

Haneef, S. M., & Co.—Bachooali House, Haji Bachooali Road, Bombay 9.

Industrial Machinery & Tools Corp.—Indira Nivas, 1st Floor, New Bhatwadi Street, Bombay 4.

Mehta, J. V., & Co.—Opera House Tram Terminus, Bombay 4.
 Mehta Motor Stores.—Banji Nivas, Sandhurst Road.

Modi Ganderia & Co.—Western India House, Sir Phirozshah Mehta Road, Fort.

Mohan & Bros., G.—Hassan Chambers, Parsee Bazar Street, Fort.
 Monitor Batteries.—24, New Queen's Road, opp. Roxy Talkies.

Mousell & Company Ltd.—Lotus House, Marine Lines, Bombay.
 Osler (India), Ltd., F. & C.—New Queen's Road, Bombay 4.

Pavri Sons & Co.—95-97, Bazargate Street, Fort.
 Prest-O-Lite Battery Service Ltd.—2-2/A, New Queen's Road, Bombay 4.

Provincial Motor Car Co., Ltd.—New Queen's Road, opp. Opera House, Bombay 4.

Sarabhai & Co.—Western India House, Sir Phirozshah Mehta Road, Fort.

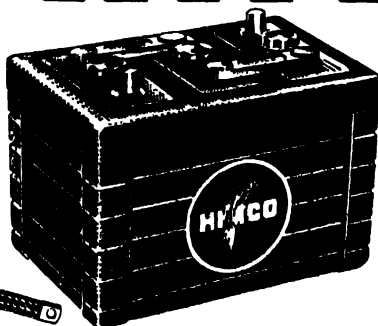
Solar Batteries & Flashlights Ltd.—Industrial Estates, Lalbaug, Bombay 12.

Universal Services Corporation Ltd.—457/9, Sandhurst Road, Bombay 4.

UTILITY TRADES CORPORATION LTD.—French Bridge, Bombay 7. Phone: 42654. Grams: "BATTERY." Manufacturers of "BART" and "LION" Batteries. Sales and Service Stations in all Principal Towns in India.



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Branch Office: 1412, Nicholson Road, DELHI 6

Gram: "HIMCOLD" Phone: 25928

Branch Factory: Kothi Anarbagh, Sabzi Mandi, DELHI

BEARINGS AND SHAFTINGS

ABDEALLY, B. M. & CO.—127, Sarang Street, Bombay 3. Phone: 31790.

Chokshi, H., & Co.—106, Meadows Street, Fort. Excellent Engineering Co.—11, Botawalla Building, Elphinstone Circle, Fort.

Great Western Engineering Works.—"Sea View," 1st Pasta Lane, Colaba, Bombay 5. Mehta Nanavati & Co.—Barbhai Moholla, 96, Narayan Dhuru Street, Bombay 3.

NATIONAL HARDWARE & STORES SUPPLY CO.—Post Box 3146, Bombay 3. Phone: 33462. Grams: "REQUISITES."

P. L. BHATT & CO.—5, Bharat House, 104, Apollo Street, Fort, Bombay. Phone: 34454. Cable: "DIGNIFIED."

P. RATILAL & CO.—43, Dhanji Street, Bombay 3. Tool & Co.—Importers & Exporters, 41, Hamam Street, Fort. Grams: "Offer" Phone: 28623.

BELTING (TEXTILE) MANUFACTURERS AND SUPPLIERS

Abdeally, B. M., & Co.—127, Sarang Street, Bombay 3. Altex Limited—147, Esplanade Road, Fort. Anand Brothers—1, Beaumont Chambers, Meadows Street, Fort. Arvinda Trading Co.—105, Apollo Street, Fort. Ashok Engineering Co.—24, Noble Chambers, Parsi Bazar Street, Fort.

Associated Machine & Tool Co.—130, Meadows Street, Fort. Balmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate. Belting & Leather Products Association (Div. of Gratton & Knight Co.)—4, Motilal Street, Jacob Circle. Bharat Electric & Engineering Corporation.—28, Apollo Street, Fort.

Bhogilal & Company, R.—281 283, Hornby Road, Fort. Bhutt Brothers.—165, Nagdevi Cross Lane, Bombay 3. Birkmyre Brothers.—12, Rampart Row, Fort. Bombay Mill Store Supply Co., Ltd.—Western India House, Sir Phirozshah Mehta Road, Fort.

Bottomley, A. C., & Co.—Wavell House, Graham Road, Ballard Estate.

Brady, W. H., & Co., Ltd.—Royal Insurance Building, Vir Nariman Street, Fort.

Card Clothing & Belting Ltd.—J. K. Building, Graham Road, Ballard Estate, Fort.

Chemautex.—11, Bank Street, Fort.

C. Patel & Co.—70, Podar Chambers, Fort.

Din Products Ltd.—219, Freire Road, opp. G.P.O., Fort.

DIWAN BROS.—51, Nagdevi Street, Bombay 3.

EDGAR HANDLEY & CO., LTD.—135, Meadows Street, Fort, Bombay. Phones: 22934 & 26854. Grams: "TROJAN."

Gannon Dunkerley & Co., Ltd.—Chartered Bank Building, Mahatma Gandhi Road, Fort.

General Trading Corporation.—30-B, Tamarind House, Tamarind Lane, Fort.

Greentose Corporation (India)—24-26, Dalal Street, Fort, Bombay.

Hardcastle, Waud & Co., Ltd.—Alice Building, Hornby Road, Fort.

Harijmal Kidarnath & Co.—87, Nagdevi Cross Lane, Bombay 3.

Herman & Mohatta, B. R., Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort.

Hiralal Gokaldas Dalal & Co.—45, Nagdevi Cross Lane, Bombay 3.

Honesty Trading Corporation.—27, Bombay Mutual Annexe, Gumbow Street, Fort.

Industrial Stores Agency.—59, Forbes Street, Fort.

International United Trading Corporation.—80-90, Lohar Chawl, Bombay 2.

Jashwanthi Maneklal & Co.—40, Vir Nariman Street, Fort.

JAVIER TRADERS.—P.O. Box No. 1977, Lakhani Building, 34, Cawasji Patel Street, Fort. Importers of Gum Tragacanth,

Lubricating Oils, Leather Beltings, and Mill Stores

Materials.

Jayant Engineering & Mill Stores.—39, Nagdevi Cross Lane, Bombay 3.

JHALA, R. T., & CO.—9, Forbes Street, Fort, Bombay 1.

KILBURN & CO., LTD.—Asian Building, Ballard Estate; Bombay. Phone: 31908. Grams: "TASCONIUM."

Kooverji Devshi & Co.—161, Lohar Street.

Laxminarayan Mill Supply Co.—Noble Chambers, 116, Parsi Bazar Street, Fort.

Maneklal & Sons.—176, Narayan Dhuru Street, Barbhai Moholla, Bombay 3.

Mangaldas & Sons.—Lentini Chambers, Dalal Street, Fort, Bombay.

Mehta & Co., S.—Aneca Chambers Annexe, Carnac Road, Bombay 1.

Merchants Bros.—151, Nagdevi Street.

Modern Machine Tools Co.—88, Nagdevi Cross Lane.

MODERN MILL STORES.—97, Nagdevi Street, Bombay 3. Phone No. 22194. Grams: "PIPEFIT." Mill Furnishers, Specialists in all sorts of Beltings, bobbins, roller skins and all textile leather goods.

Morgan Miller & Co. 219, Lorne Road

NATIONAL HARDWARE & STORES SUPPLY CO.—Post Box 3146, Bombay 3. Phone: 33462. Grams: "REQUISITES."

NORINCO LIMITED, P.O. Box No. 871, Bombay 1. Sole Agents "Viking" Rubber Transmission, Conveyor and V-Belts.

P. RATILAL & CO.—43, Dhanji Street, Bombay 4.

Premier Machinery Stores Co.—66, Nagdevi Street.

Rajasthan Trading Co.—Podar Chambers, Parsi Bazar Street, Fort.

Reliance Trading Co.—Vithal Sayana Building, Lohar Street, Bombay 2.

Roberts McLean & Co., Ltd.—Ilaco House, Sir Phirozshah Mehta Road, Fort.

ROYAL HARDWARE MART.—108, Nagdevi Street, Bombay 3. Phone: 24121. Grams: "MANILAROE." Authorised Distributors for Dunlop Beltings and Hoses.

Salem & Company.—31, Murzban Road, Fort.

Shah Trading Corporation—Oomrigr Building, opp. Crawford Market, P.O. Box No. 2299, Bombay 2.

Sheth S. C. & Co., Ltd.—Raja Bahadur Mansion, 14, Hamam Street, Fort, Bombay

Sizing Materials Co., Ltd.—Jeroo Building, 137, Mahatma Gandhi Road, Fort.

Spence Ltd.—Kennedy Bridge, Bombay 4.

Techno Industrial Co.—107, Sir Vithaldas Chambers, 16, Apollo Street, Fort.

Textile Supplies Syndicate (India) Ltd.—Kermani Building, Sir Phirozshah Mehta Road, Fort.

Textile Works Ltd.—40/55, Apollo Street, Fort.

THEORIAL & CO.—47, Nagdevi Cross Lane, Bombay 3. Phone: 20498. Grams: "PIPEWARES."

Toil & Co.—Importers & Exporters, 41, Hamam Street, Fort

Trinity Industrial Stores—72-74, Nagdevi Street, Bombay 3.

Volkart Brothers—19, Graham Road, Ballard Estate, Fort.

WESTERN INDIA TANNERIES LTD.—Manufacturers of Leather Beltings, Picking Bands, Buffers, Roller Skins, Pickers, Washers, Laces, etc. Dharavi, Bombay 17. Phone No. 62841. Grams: "EASTKIP."

BILLIARD TABLE MANUFACTURERS

D. S. COUTINHO & CO.—Billiard Table Manufacturers, etc., 81-93, D'Almeida Street, Mazagaon, Bombay 10.

DAWSON & CO.—24, Parsee Bazar Street, Fort, Bombay 1. Phone: 31817. Grams: "CUSHIONS." Billiard Table Makers, Wood Working Machines, Machine Tools, Furniture, Fretwork, etc.

SERATON & CO.—Works & Office: 131, Meadows Street, Fort. Phone: 31330. Furniture & Billiard Table Manufacturers.

BISCUIT MANUFACTURERS

BRITANNIA BISCUIT CO., LTD., THE.—Head Office: Calcutta. Bombay Office and Factory: Reay Road Bridge, East. Tel. Address: "BOMBISKET." Phone No. 73581 (2 lines). Carr & Co., Ltd.—Imperial Chambers, Ballard Estate.

HUNS DEWAN & CO.—P. B. No. 4518, 158, Upper Duncan Road, Byculla, Bombay 6. Telephone Nos. 74139 & 75394. Telegraph Address: "BISCUITS." High Class Biscuits Manufacturers.

J. B. Mangharam & Co.—12, Gunbow Street, Fort, Bombay 1. Phone: 22330. Grams: "ENERGYFOOD"

Parle Products Manufacturing Co.—Bomanji Master Lane, near Kalbadevi Post Office, Bombay 2.

Renown Biscuit Co., The.—Connaught Road, near Victoria Gardens, Bombay 27.

SEANGRILA FOOD PRODUCTS LTD.—Manufacturers of Quality Biscuits. Registered Office: Great Social Building, Sir Phirozshah Mehta Road, Fort, Bombay. Phones: 25254 and 30373. Grams: "SEAFOPROL." Factory: Bhandup, Agra Road, Bombay. Phone: 87916. Local Sales Godown: 32, Tamarind Lane, off Bruce Street, Fort, Bombay.

BLANKETS, SHAWLS (COTTON WASTE BLANKETS)

Kewalram Chellaram.—Exporters, Importers, General Merchants and Agents, Gandhi Mansion, New Silk Bazar, Bombay 2.

Pan-India Overseas Co.—Gandhi Mansion, New Silk Bazar, Bombay 2.

BLOWERS

PIONEER INDUSTRIES.—21, Forbes Street, Fort. P.O. Box No. 1909. Phone: 31982. Grams: "PIOMETAL."

BOBBINS AND SHUTTLES

Acme Bobbins & Shuttles Ltd.—Raja Bahadur Mansion, 14, Hamam Street, Fort.

Ahmed Abdul Karim Bros. Ltd.—Karim Building, Mohamedally Road, Bombay 3

Altex Limited.—147, Esplanade Road, Fort.

Arvinda Trading Co., Ltd.—105, Apollo Street, Fort.

BRIGHT BROS. LTD.—156-A, Tardeo Road, Bombay 7. Grams: "BRIBOS." Phone: 41699. Specialists in Gifts advertising.

Chemautex.—11, Bank Street, Fort.

C. Patel & Co.—70, Podar Chambers, Fort.

Empire Trading Co.—76-A, All Chambers, Tamarind Lane.

Greentose Corporation (India).—Cama Buildings, 24-26, Dalal Street, Fort.

Indo-Bobbins & Textiles Co., Ltd.—10, Bruce Street, Fort.

Indusco (India).—Ibrahim Building, 6, Bell Lane, Fort, Bombay.

Jhaveri Brothers.—149, Shroff Bazar, Bombay 2.

Kooverji Devahi & Co.—164, Lohar Street.

Laxminarayan Mill Supply Co.—Noble Chambers, 116, Parsi Bazar Street, Fort.

MAHALAXMI BOBBINS MANUFACTURING CO., LTD.—5, All Chambers, Tamarind Lane, Fort. Manufacturers of all Types of Textile Wooden Bobbins. Grams: "TRUST-FULLY." Phone: 32622—Factory: 62997.

Mangaldas & Sons.—Lentini Chambers, Dalal Street, Fort.

Mehta Parikh & Co.—45-47, Apollo Street, Fort.

Modern Mill Stores.—97, Nagdevi Street, Bombay 3.

Modern Shuttles Manufacturing Co., Ltd.—15, Forbes Street, Fort.

National Trading Company.—283, Hornby Road, Fort, Bombay 1.

ORIENTAL MILL SUPPLY CO., LTD.—29-A, All Chambers, Dean Lane, Fort. Phone: 20328. Grams: "OMILCO."

Phroz N. Motabhai & Co., Ltd. Motabhai Building, Corner of Meadows and Forbes Street, Fort, Bombay

Rajasthan Trading Co.—Podar Chambers, Parsee Bazar Street, Fort.

Roberts McLean & Co., Ltd.—Ilaco House, Sir Phirozshah Mehta Road, Fort.

Shah Bros. & Co.—Raja Bahadur Compound, Hamam Street, Fort.

Shamsun & Co.—11, Bruce Street, Fort.

Sheth, S. C. & Co., Ltd.—Raja Bahadur Mansion, 14, Hamam Street, Fort.

S. M. Shah & Co.—16(2), Shankarbari Lane, Chitra Bazar. Phones: 61466 and 25779. Grams: "TEXLATEX."

TEXMACO (GWALIOR) LTD.—Gwalior, Manufacturers of Cop-change Auto Looms, Overpick and Underpick Plain Looms, Dobbies and Dropboxes, Bobbins, Shuttles and Picking Sticks. Sales Office: 254-A, Annie Besant Road, Bombay 18. Grams: "RINGFRAME." Phone: 74534.

Textile Traders.—11, Bruce Street.

Todi & Co.—41, Hamam Street, Fort.

Trades Establishments (India) Ltd.—104, Apollo Street, Fort.

United Import Co., The.—67-69, Mohamedally Road, Bombay 3.

Viswabharati Trading Co.—60, Modi Street, Fort.

Waghji Lakhmadas & Co.—206, Samuel Street, Vagdadi.

Wilson Brothers Bobbin Co., Ltd.—Seksaria Chambers, 139, Meadows Street, Fort.

BOILERS—AGENTS, PRESERVATIVES AND COMPOSITIONS

Ardeshtir D. Wadia & Sons.—93, Apollo Street, Fort.

Associated Corporation of Industries (India) Ltd.—Commerce House, Currimbhoy Road, Ballard Estate.

Balmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate, Fort.

Brady, W. H., & Co., Ltd.—Royal Insurance Building, Churchgate Street, Fort.

C. Patel & Co.—70, Podar Chambers, Fort.

Daver, B. F., & Co.—Appa Baug Estate, 41, Queen's Road.

Doodal Limited.—31, Murzban Road, Fort.

Greentose Corporation (India).—Cama Buildings, 24-26, Dalal Street, Fort.

Hardcastle, Waud & Co., Ltd.—Alice Buildings, Hornby Road, Fort.

Healy and Gresham Ltd.—9, Forbes Street, Fort, Bombay.

Herman & Mohatta, B. R., Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort.

Holmes & Co., Ltd.—Alice Buildings, Hornby Road, Fort.

Jayems Engineering Co.—Warden House, Sir Phirozshah Mehta Road, Fort.

Kooverji Devahi & Co.—164, Lohar Street.

Molooobhoy, Ahmed S., & Sons.—281, Nagdevi Street.

Murdoch-Smith & Co., C. M.—23, Waudby Road, Fort.

Pioneer Magnesia Works Ltd.—Chartered Bank Building, Fort.

PUNEGAR, N. E., & CO.—Boiler Solutions and Paint specialists, Union Bank Building, Apollo Street, Fort. Phone: 30278. Grams: "ACMECOMPO."
Richardson & Cruddas.—Byculla Ironworks, Parel Road, Roberts McLean & Co., Ltd.—Ilaco House, Sir Phirozshah Mehta Road, Fort.
Salem & Company.—31, Murzban Road, Fort.
Thos. W. Ward (India) Ltd.—Marshall Building, Ballard Road, Ballard Estate, Fort.
WESTERN MANUFACTURING CO.—Hassan Chambers, Parsi Bazar Street, P. O. Box No. 1230, Fort. Phone Office: 32284. Workshop: 40142. Grams: "WESTER-WORK."
Worthington Simpson Ltd.—Mubarak Manzil, Apollo Street, Fort.

BOILER MOUNTINGS & FITTINGS

KILBURN & CO., LTD.—Asian Building, Ballard Estate, Bombay. Phone: 31908. Grams: "TASCONIUM."

BOLTS, NUTS AND SCREWS

Aldeally, B. M., & Co.—127, Sarang Street, Bombay 3. Phone: 31790
Abdulkhader Shamsuddin & Co.—48, Khoka Bazar, Bombay 3.
Abdullah Faizullahbhai Ltd.—Khoka Bazar, Bombay 3.
Adamally Sons Ltd.—277, Nagdevi Street, Bombay 3.
ASIAN TRADES & INDUSTRIES.—Post Box 3113, Bombay 3. Phone: 33462. Grams: "ASIANTRADE."
Asian Trading Corporation.—P. O. Box No. 1505, 20, Mangesh Street
Associated Agencies (Bombay).—47, Podar Chamber, Parsi Bazar Street, Fort.
AUTO AGENCY.—Congress House, Vithalbhai Patel Road, Bombay 4. Phone: 71481. Importers of SAE Bolts & Nuts & Spring Centre Bolts. Grams: "RIVET."
Bharat Trading Co.—316-A, Vithalbhai Patel Road.
Bhutt Brothers.—163, Nagdevi Cross Lane, Bombay 3.
Bombay Engineering & Metal Works.—Dohgamwalla Chambers, Nesbit Road, Bombay 10.
Bombay Metal Products Co.—80, Khandewadi, Bombay 4.
Brady, W. H., & Co. Ltd.—Churchgate Street, Fort.
Dhani Ram & Sons.—236, Musjid Bunder Road, Bombay 3.
Dhrajlal & Co.—62, Prince Street.
Doshi Brothers & Co.—77, Meadows Street, Fort.
EAST ASIATIC COMPANY (INDIA) LTD.—Wavell House, Graham Road, Ballard Estate. Phone: 30955.
Gaytee & Co.—Jannabhooni Chambers, Fort Street, Fort, Bombay 1.
G. C. Vora & Co.—107, C. P. Tank Road, Bombay 4.
General Engineering Corporation.—249, Frere Road, Fort.
GUEST, KEEN, WILLIAMS, LTD.—"Das Chambers," Dalal Street, Fort, Post Box No. 578, Bombay 1.
Gulam Rasool Allahbux.—1-B, Bachooali House, Nowroji Hill Road No. 1, Bombay 9.
Herman & Mohatta, B. R., Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort.
International United Trading Corporation.—80-90, Lohar Chawl, Bombay 2.
Jaswantlal Maneklal & Co.—40, Churchgate Street, Fort.
Jaysukhlal & Bros.—82-86, Abdul Rehman Street, Bombay 3.
Kanthawalla, N., & Co.—77, Meadows Street, Fort.
KILBURN & CO., LTD.—Asian Building, Ballard Estate, Bombay. Phone: 31908. Grams: "TASCONIUM."
NATIONAL HARDWARE & STORES SUPPLY CO.—Post Box 3146, Bombay No. 3. Phone: 33462. Grams: "REQUISITES."
NORINCO LIMITED.—P.O. Box No. 871, Bombay; Selling Agents for Forenede Nagle & Skruetfabriker, Oslo, Norway.
Patel, U. D., & Co.—11, Bank Street, Fort.
P. Ratilal & Co.—43, Dhanji Street, Bombay 3.
Reliance Trading Co.—25/47, Lohar Street, Bombay 2.
Shah & Mehta.—7, Second Carpenter Street, Bombay 4.
Sriram & Co.—97, Narayan Dhuru Street, Bombay 3.
S. Nagam & Co.—418, Kalbadevi Road, Bombay 2.
Soho House.—Vithal Sayana Building, Lohar Street.
Sulemanjee Valljee Kutiyawalla & Co.—Kika Street, Null Bazar.
T. Salebhoy & Co.—54, Khoka Bazar, Bombay 3.
Vasant Industrial & Engineering Works.—470/71, Worli Road, Bombay 18.
WESTERN INDIA HARDWARE MART.—16, Narayan Dhuru Cross Lane, Bombay 3. Grams: "VISCOSITY." Phone: 28730.

BONES & FERTILIZERS

Asian Commercial Co.—Mehta Building, Meadows Street, Fort.

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A. G. BOOKWALLA & CO.—9, Mirza Street, Bombay 3. Phone: 34925. Manufacturers of well-known "Good Luck" Exercise Books, Note, Letter & Duplicate Books and all sorts of Account Books. Grams: "EXERCISES."
DEELIP STATIONERY MART.—88-B, Khadilkar Road, Bombay 4. Manufacturers of Accounts Books, Exercise Books etc. Phone: 71413. Grams: "AZADPAPER."
Federal Book Manufacturing Depot.—23, Parsi Gally, Mirza Street, Bombay 3.
Saifee Book Manufacturing Depot.—72, Abdul Rehman Street, Bombay 3.

BOOKSELLERS, PRINTERS AND PUBLISHERS

Allibhoy Sharafally & Co., Ltd.—373, Ebrahim Rahimtullah Road.
Allied Publishers and Stationery Manufacturers, Ltd.—Stronach House, 15, Graham Road, Ballard Estate.
Army & Navy Stores Ltd.—Mahatma Gandhi Road.
ASIA PUBLISHING HOUSE.—Bombay Mutual Annex, 17, Gunbow Street, Fort, Bombay. Phone: 24251. Cables: "BOOKLORE." Branch Office: 67, Ganesh Chandra Avenue, Calcutta 13.
Balwant Pustak Bhandar.—Girgaum Naka, Bombay 4.
BENNETT, COLEMAN & CO., LTD.—Times Building, Hornby Road, Fort.
Blackie & Sons (India), Ltd.—108/5, Fort Street, Fort.
Bombay Book Depot, The.—217, Charni Road, P.O. Girgaum, Bombay 4.
Bombay Tract and Book Society.—The Wesley Hall, 62, Causeway, Fort, Bombay 1.
Butterworth & Co. (India), Ltd.—Jehangir Building, Mahatma Gandhi Road, Fort.
Christian Book Shop.—The Wesley Hall, 62, Causeway, Fort, Bombay 1.
CLARIDGE, G., & CO., LTD.—Frere Road, Fort, Bombay 1. Phone: 30801 (2 lines). Grams: "BRAD."
Clifton & Co.—Maps and Books Publishers, Kamdar Chambers, Lion, Bombay 22.
Collins, F. J., & Co.—Opp. Army & Navy Stores, Ltd, 143, Mahatma Gandhi Road, Fort.
Cooper, K. & J.—Swadeshi Mills Estate, Girgaum, Bombay 4.
Current Technical Literature Co., Ltd.—Jehangir Building, Mahatma Gandhi Road, Fort, Bombay.
Dhruva Book Depot.—Khetwadi 9th Lane, Bombay 4.
Dhruva Publishers.—Khetwadi 9th Lane, Bombay 4.
Educational Publishing Co.—17, Benham Hall Lane, Girgaum, Bombay 4.
FURTADO, L. M., & CO.—540-544, Kalbadevi Road. Phone: 23656. Dealers in Catholic Religious Books & Devotional Articles.
Gandhi & Co. (Publishers)—Jan Mansion, Sir Phirozshah Mehta Road, Fort.
Geographical Map Depot.—Khetwadi 9th Lane, Bombay 4.
Hind Kitab Ltd.—261-263, Hornby Road, Fort.
Hima Book Depot.—Mohamedali Building, Mohamedali Road, Bombay 3.
International Agencies (Regd.).—23, Apollo Street, Fort, P.O. Box No. 4094, Bombay.
International Book House Ltd.—Ash Lane, Mahatma Gandhi Road, Fort.
International Reference Book Co.—78, Podar Chambers, Parsi Bazar Street, Fort.
JAICO PUBLISHING HOUSE.—125, Bell Lane, Mahatma Gandhi Road, Bombay 1. Phone: 32564. Grams: "QUICKSIGHT." Booksellers, and Publishers.
Jaswant Printing Works.—57-D, Khattargall, Thakurdwar, Bombay 2.
Jehand Talakshi & Sons.—Empire Building, Hornby Road (near Capitol Cinema), Fort, Bombay 1.
Karandikar Publicity Bureau.—Gloria House, 1, Sankli Street, Byculla, Bombay 8.
KARIM LITERO PRESS.—2nd Anjeer Wadi, Mazagaon. (Est'd. 1870.) For all kinds of Islamic Religious Books in Arabic, Persian and Urdu. Sales Dept.—Karim Book Agency, Kolsa Mohalla, Bombay 3. For all kinds of Arabic, Persian and Urdu Literature.
Karimi Press Book Agency.—Pydhownie Road, Bombay 3.
Keeshav Bhikaji Dhawale.—Shri Samartha Sadan No. 2, Chira Bazar, Bombay 2.
Khemraj Shrikrishnadas.—7th Khetwadi, Bombay 4.
Kitab Mahal.—Publishers & Booksellers, Sohrab House, 235, Hornby Road, Fort.
Kutub Publishers Ltd.—Regal Building, Apollo Bunder, Bombay 1.
Lakhani Book Depot.—Girgaum, Bombay.
MacMillan & Co., Ltd.—"MacMillan Buildings," 276, Hornby Road.
Magazine Agency.—4, Nanabhai Lane, Fort, Bombay 1.

Model Art Printery Ltd.—4, Nanabhai Lane, off Churchgate Street, Fort.
 National Information & Publications Ltd.—National House, Tulloch Road, off Lansdowne Road, Bombay 1.
NEW BOOK CO., LTD.—"Kitab Mahal," 188-190, Hornby Road, Fort.
 New and Secondhand Bookshop.—Kalbadevi Road, Bombay 2.
 New Photoplay Co.—231, Hornby Road, Fort.
 New Popular Book Shop.—Nana's Chowk, Gowalia Tank Road, P.O. Grant Road, Bombay 7.
 Nootan Sahitya.—156, Tarden Road, Bombay 7.
 Orient Longmans Ltd.—Indian Mercantile Chambers, 53, Nicol Road, Ballard Estate.
OXFORD UNIVERSITY PRESS.—Oxford House, Apollo Bunder, Post Box No. 31, Bombay 1.
 Padma Publications Ltd.—53/55, Lakshmi Building, Sir Phirozshah Mehta Road, Fort.
 Philpress.—Kodak House, Hornby Road, Fort.
 Pioneer Book Depot.—181/3, Hornby Road, Fort.
 Popular Book Depot (Regd.)—Aabid House, Lamington Road.
 Premier Trading Co. (Regd.), Estd. 1928.—11, 2nd Parsiwada, Girgaon, Bombay 4.
 Progressive Corporation, Ltd.—Jehangir Wadia Building, 51, Mahatma Gandhi Road, Fort.
 Purbhoo Das & Co., D. S.—New Stock Exchange Building, Apollo Street, Fort.
RAJKAMAL PUBLICATIONS LTD.—Himalaya House, Hornby Road, Bombay 1 and also at 1, Fiaz Bazar, Delhi; and N-38, Connaught Circus, New Delhi.
 Ramchandra Govind & Son.—Nariman Building, Dhobi Talao, Bombay 2.
 Swastik Geographical Publishing Bureau.—Swadeshi Mills Estate, Tata Road, Bombay 4.
 Taraporevala, D. B., Sons & Co.—210, Hornby Road, Fort.
 Taraporevala, Phiroze & Kalkushru, F. D. B.—Kitab Mahal, 188-190, Hornby Road, Fort.
TRACKER & CO., LTD.—Rampart Row, Fort.
 Tripathi, Ltd., N. M.—164, Princess Street, Kalbadevi Road, Bombay 2.
 Universal Book Depot.—Mohamedali Road, Bombay 3.
 Vora Bros.—218, Princess Street, Bombay 2.
 Wheeler, A. H., & Co.—Eruchshah Building, 249, Hornby Road.
 Wm. Collins Sons & Co., Ltd.—Taj Mahal Hotel, Apollo Bunder.
 Writers Book-Depot.—People's Building, Sir Phirozshah Mehta Road, Fort.
 Writers Publications.—People's Building, Sir Phirozshah Mehta Road, Fort.

BOOT AND SHOE LACES

Bata Shoe Co., Ltd.—Atlas Mills Compound, Reay Road, Bombay 10.
 Gesco Industries.—Tara Baug, Love Lane, Mazgaon, Bombay 10.
 Gordhan, M.—384-A, Kalbadevi Road.

BOOT AND SHOE-MAKERS AND DEALERS

Army & Navy Stores Ltd.—Mahatma Gandhi Road.
 Art Home.—16-A, Love Lane, Byculla, Bombay 27.
 Artistic Millinery & Leatherwares.—Phiroz Building, Apollo Pier Road, Fort.
 Bashir S. M., & Bros.—Bachooali House, Haji Bachooali Road.
 Bata Shoe Co., Ltd.—Atlas Mills Compound, Reay Road, Bombay 10.
 Bombay Swadeshi Co-operative Stores Co., Ltd.—Western India House, Sir Phirozshah Mehta Road, Fort.
 Cawnpore Mills Depot.—Churchgate House, Churchgate Street, Fort.
 Dunlop Rubber Co. (India) Ltd.—Dunlop House, Hughes Road.
 Eastern Leather Works.—Junction of Sandhurst Road & Girgaum Back Road, Bhatia Sanitorium, Bombay 4.
 Elgin Leather Wares, Ltd.—Nawab Building, 322, Hornby Road, Fort, opp. Thomas Cook & Sons, Bombay.
 Evans Frazer & Co.—The Fort House, Hornby Road.
 Express Corporation.—Co-operative Insurance Building, Sir Phirozshah Mehta Road, Fort.
 General Shoe Stores.—337-43, Bhendi Bazar.
 Gold Filled Leather Works.—Princess Street and Sandhurst Road, Bombay.
 Gulam Rasul Allahbux.—1-B, Bachooali House, Nowroji Hill Road No. 1, Bombay 9.
 Haneef, S. M., & Co.—Bachooali House, Hajee Bachooali Road, Bombay 9.
 Jamnadas Jinabhai & Sons.—Jamnadas Building, Vithalbai Patel Road, Kumbhar Tukda.
 John Barry Shoe Co.—Head Office: Sir Phirozshah Mehta Road, Fort.
 Manufacturers' Eastern Agency.—105, Apollo Street, Fort.
 Oriental Import & Export Agency.—52, Shri Krishna Nivas, New Silk Bazar, Kalbadevi Road.

PATEL BROS (TOPIWALA).—No. 2, Kalbadevi Road, Pydhowsie T.T., Bombay 3. Manufacturers and Exporters of Shoes, Chappals and Mojdis.
 Shoe Marketing Company.—Bharat Building, 15A, Elphinstone Circle, Fort.
 Vasi Bros. & Co.—Topiwala Mansion, Mohamedally Road, Bombay 3.
 Whiteaway, Laidlaw & Co., Ltd.—278-286, Hornby Road.

BORING CONTRACTORS

Hindustan Water Supply Co., Ltd. 45-47, Apollo Street, Fort.
 Western Manufacturing Co.—Hassan Chambers, Parsi Bazar Street.

BORING MACHINERY

WESTERN MANUFACTURING CO.—Hassan Chambers, Parsi Bazar Street, P.O. Box No. 1230, Fort. Phone No. Office: 32284, Workshop 40147. Grams: "WESTERWORK."

BOTANICAL DRUGS

ALL INDIA HERB SUPPLY CO., LTD.—Goumukh Bhuvan, Masjid Bridge, P.O. Box 5041, Bombay 9. Phone No. 28960, Grams: "LIQUORICE."

BOTTLES AND CORKS

Akbarally Mohamedally & Co.—Dawoodi Building, 316, Abdul Rehman Street.
ALL INDIA BOTTLE SUPPLYING CO.—153-155, Sheriff Dewji Street, Bombay 3. Phone: 23178. Grams: "ALLINDIA." Stockists and Direct Importers of Glass Bottles, Corks and Capsules.
ALL INDIA GLASS WORKS LTD.—Manufacturers of all kinds of bottles and Glasswares. Bhandari Street, Bombay 3. Phone: 32911. Factory: Andheri Road, Kuria. Phone: 87122. Grams: "WHEELERAND."
 All-India Trading Corporation.—25, Bank Street, Fort.
ANANT TRADING CO.—Empty Bottles, Corks and Chemicals and Drugs. P.O. Box No. 2283, 89, Princess Street, Bombay 2. Phone: 20188.
BRAGWANDAS DEVSHI LTD.—87, Princess Street. Importers and Dealers in Glassware, Empty Bottles, Corks and Laboratory Equipments. Phone: 24604. Grams: "EMBOT."
 Bharat Bottle Co.—157, Sheriff Dewji Street, Bombay No. 3.
 Blaschuck, H., & Co.—Dadyseth House, 44, Cowasji Patel Street, Fort.
 Central Bottle Trading Co.—151, Chakla Street, Bombay 3.
EMBI DESAI & CO.—Office: Dadyseth House, Cawasji Patel Street, Fort. Post Box 1116, Bombay 1. Depot: 108, Ardeshtir Dady Street, near C.P. Tank, Bombay 4. Process Works: 51, Bhandari Street, near Round Temple, Bombay 4. Factory: Patel Estate, Goregaon (East), Bombay. Ahmedabad Office: Jaya Bhuvan, Inside Balahanuman, Ahmedabad.
 Express Corporation.—Co-operative Insurance Building, Sir Phirozshah Mehta Road, Fort.
 General Import Co. (India)—Hera Building 1st Floor, 174, Carme Road, Bombay 2. Phone: 24633. Grams: "SODALEMON."
 Indo-International Commercial Corporation Ltd.—Lalgar Chambers, Tamarind Lane, Fort.
 K. K. Shah & Co.—Sheriff Dewji Street, Bombay 3.
NUTEK (INDIA) LTD.—Devkaran Mansion, 2nd Floor, Block No. 1, Princess Street, Bombay 2. Grams: "NUTOLITE." Manufacturers and Dealers in Bottles (made to order or from stock), Corks and Caps.
 Rubako Industries.—Bhatnagar Mansion, Sir Phirozshah Mehta Road, Fort.
 Salemahomed Padamsee & Co.—141, Chakla Street, Bombay 3.
SIKRI BROTHERS.—79E, Princess Street, Bombay 2. Phone No. 33494. Grams: "OILMAN."
SWADESHI GLASS WORKS DEPOT.—25, Bank Street, Fort, Bombay. Grams: "AUTOGLASS."
TAMBAWALA METAL MANUFACTURING WORKS, LTD.—66-68, Narayan Dhuru Street, Bombay 3. Manufacturers of Lead Capsules. Phone: 34376. Grams: "CAPOULES."
UNITED GLASSWORKS LTD.—Manufacturers of Bottles and Glasswares, 111, Bandari Chakla Street, Bombay 3. Phone: 32912. Factory: Silver Compound, Society Road, Andheri. Phone: 86159. Grams: "GLASSBOTS."
 Vazir Glass Works Ltd.—Prospect Chambers, Hornby Road, Fort.
VIJAY BAKELITE TRADING CO.—Pimpal Wadi, Mugbhatt Street, Bombay 4. Suppliers of all kinds of Glass Bottles, Washers, Bakelite Caps, Rubber Caps, and Aluminium Capsules.
WEIL COMPANY.—Chateau Marine, 41-B, Marine Drive, Bombay 1. Phone: 34593. Grams: "WEILETCO."

BOX MANUFACTURERS

Brijmohan Banwarilal.—61, Beay Road, Bombay 10.
CLARIDGE, G. & CO., LTD.—Frere Road, Fort, Bombay 1.
 Phone: 30801 (2 lines). Grams: "BRAD."
 Indian Commercial Agency.—Regd. Office: Rahimtoola House, 7, Homji Street, Fort.
 Indian Packing Materials Corporation.—Mahavir Building, Homji Street, Fort.
 Jaydip & Co.—Sambava Chambers, Sir Phirozshah Mehta Road, Fort.
 Metal Box Co. of India, Ltd.—World Road, Worli.
 Model Art Printery Ltd.—4, Nanabhai Lane, Fort, Bombay.
 New Gujarat Paper Box Manufacturing Co.—52, Kathar Gully, Amarwadi, Thakurdwar, Girgaum.
NEW JACK PRINTING WORKS, LTD.—Seksaria Mills Compound, Globe Mills Passage, off DeLisle Road, Bombay 13.
 Grams: "NEWJAPRES." Phones: 60042-43.
 New Manohar Press.—Angrewadi, V. Patel Road, Bombay 4. Multi-colour Printers and Box makers.
RYLAND PAPER BOX MANUFACTURING CO.—(Box Manufacturers and Printers), Lakhami Building, 34, Cawasji Patel Street, Fort, Bombay 1. Factory at: Timberware Compound, near Paradise Talkies, Lady Jamshedji Road, Mahim. Phone: 62620. Manufacturers of Card board Cartons and Fancy Boxes, Labels, Wrappers and Packing Materials.
 Sharda Paper Box Manufacturing Co.—Motisha's Chawl, Gangadas Hall, Sheikh Memon Street, Bombay 2.

BOX-STRAPPING, SEALS & MACHINES

P. L. BHATT & CO.—5, Bharat House, 104, Apollo Street, Fort, Bombay. Phone: 34454. Cable: "DIGNIFIED."

BRASSWARE

Abdul Khadar Shamsuddin & Co.—48, Khoka Bazar, Bombay 3.
 Asian Traders & Industries.—Post Box 3113, Bombay 3.
 Bombay Brassware Co.—Devkaran Manslon, No. 5, Mangaldas Road, Bombay 2.
INDIAN ART MUSEUM LTD.—Carnac Bridge, Bombay 3.
 Phone: 20726. Grams: "INDARTMUSE."
INDIAN ARTS EMPORIUM.—Bombay Mutual Annexe, 2-C, Cawasji Patel Street, P.O. Box No. 1716, Fort, Bombay.
 Lookmanji Moonsji.—Diamond Building, Lohar Chawl, Bombay 2.
 Moosa Brothers (India)—6, Abdul Rehman Street, Mambur Building, Bombay 3.
 National Hardware & Store Supply Co.—30, Khoka Bazar, Bombay 3.

BRASS WORKS

Acme Manufacturing Co., Ltd.—Construction House, Ballard Estate, Fort.
 Adanji Lukmanji & Co.—Rahimtulla House, Homjee Street, Fort.
 Aggarwal Metal Corporation.—203, Kika Street, Gulawadi, Bombay 2.
 Asian Traders & Industries.—Post Box 3113, Bombay 3.
 Bombay Metal Industries.—Factory. Near Currey Road Bridge, Chandivali Chawl, Parel, Bombay 13.
 Bombay Metal Product Co.—86, Khandewadi, Bombay 4.
 Chandulal Narandas.—96, Kika Street, Bombay 4.
 Craftsmen Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort. Sethna Hall, Nesbit Road, Bombay 10.
 Suppliers of Furnaces, Pyrometers and Instruments for.
 Devidayal & Sons.—2nd Bhowada, Bombay.
 Gujrat Metal Works.—138, 6th Kumbharwada, Bombay 4.
 Indian Standard Metal Co., Ltd.—Chinchpokli Cross Lane, Bombay 27.
 Kamani Engineering Corporation.—Kamani Chambers, Nicol Road, Fort.
LALLUBHAI AMICHAND LTD.—Proprietors, "Dun Aluminium Factory," 225-227, Tardeo Road, Bombay 7. Manufacturers of all Non-Ferrous Metal Wares and Articles.
 Phone Nos.: 41610 & 73220. Grams: "CYCLEBRAND."
 Metrogold Brass Manufacturing Co.—50, Nesbit Road, Mazagaon.
 Nadirshaw & Bros Silver Talkies Building, Khetwadi Back Road, Bombay 4.
 Patent Tiffin Carrier Sanghvi Co.—20, Kansara Chawl, Kalbadevi Road, Bombay 2.
 Sanghvi & Sons.—20, Kansara Chawl, Kalbadevi Road.
 Simplex Iron & Brass Works.—96, Upper Duncan Road, Byculla.
 Standard Metal Works Ltd.—17, Falkland Road, Tardeo.
 Tavkar, B. A.—Mumbadevi, Kansara Chawl, Kalbadevi, Bombay 2.
 Thakurdwar Brass Works.—Surry Mahal, Thakurdwar, Bombay 4.

BRICK AND TILE MANUFACTURERS AND MERCHANTS

Acme Tiles Manufacturing Co.—494, Duncan Road, Bombay 4.
 Ahmed Noormohmed Chunawala & Co.—338, Ghodbunder Road, Andheri.
 Albuquerque, A. & Sons.—43-B, Mazagaon.
 Bharat Tiles & Marble Ltd.—32, Apollo Street, Fort, Bombay.
 Bombay Potteries and Tiles Ltd.—Pipe Road, Kurla, Bombay.
C. BHOGILAL & CO.—Hanuman Building, Behind Reserve Bank, Elphinstone Circle, Fort.
 Chunilal Parikh & Co.—478, Duncan Road, Bombay 4.
 Desai, Lalubhai & Co.—Duncan Road, Null Bazar.
GARLICK & CO., LTD.—Haines Road, Jacob Circle.
 Gigabhai, K., & Sons.—8-10, Green Street, Fort, Bombay.
 Himalaya Tiles & Marbles.—Himalaya Baux, Lady Jamshedji Road, Mahim.
 Hindustan Tiles & Cement Industries.—89, Princess Street, Bombay 2.
 Indanite Insulation Co. of India.—139, Meadows Street, Fort.
 K. Gigabhai & Sons.—8-10, Green Street, G.P.O. Box No. 1180, Fort.
 Khanmahomed & Co.—508, Duncan Road.
 Modern Concrete Art Industries.—17-19, Dalal Street, Fort.
MODERN TILES CO., LTD.—516, Duncan Road, Near Null Bazar, Bombay 4. Phone: 72591. Grams: "MOSACTILES."
 Mohanlal & Co.—391, Duncan Road, Bombay 4.
 Muragilla, F., & Co.—12, Green Street, Elphinstone Circle.
NEW INDIA MOSAIC AND MARBLE CO., LTD.—Brabourne Stadium (North), Churchgate, Fort, Bombay 1. Manufacturers of 'NIMMCO' Plain Cement, Marble, Mosaic Flooring, Tiles in wide range of quality and colours, Pietra (Terrazzo) Tiles, Chequered Tiles and Steps for heavy duty, Pre-Cast Marble Mosaic Slabs, Situ Works, Artistic Articles in Marble Mosaic, etc. Factory: Industrial Estates, Lalbaug, Bombay 12. Grams: "NIMMCO TILE." Phone: 41773.
 Popular Tile Company.—Mazagaon, Bombay 10.
 Raval & Co.—21, Bank Street, Fort.
 Raval Tiles & Marble Ltd.—"Edena," Queen's Road.
 R. Parikh & Co.—Botawalla Building, 11-13, Elphinstone Circle, Fort, Bombay.
 Shivraj Kanji & Co.—21, Khetwadi 6th Lane.
 Simplex Art Flooring Ltd.—"La-citadelle", 32, Queen's Road.
 Stone Supplying Co. Ltd.—491, Duncan Road, Bombay 4.
 Tandur and Shahabad Stones Co.—Opp. Round Temple, Sandhurst Road, Bombay 4.
 United Tile Agency.—Old P. O. Building, Mazagaon.
 Vadilal & Co.—485, Duncan Road.

BRISTLE MERCHANTS

BAJAJ & SONS (BOMBAY) LTD. H.S., 41, People's Building, Sir Phirozshah Mehta Road, Fort, Bombay. Grams: "SEBAJ." Bombay Phone: 24/23.

BROKERS

Amersy & Sons—Oriental Buildings, Feltham House, Ballard Estate.
 Anuratlal Kulkarni—Share, Stock and Finance Broker, 95, Stock Exchange New Building, Apollo Street, Fort.
 Amritlal Popatlal & Co.—11, Aga Khan Building, Dalal Street, Fort.
 Amthlal Nanabhai Ghandi.—53, Stock Exchange New Building, Apollo Street, Fort.
 Anandilal Podar & Co.—Podar Chambers, Parsi Bazar Street, Fort.
 Arjan Khimji & Co.—17, Sir Phirozshah Mehta Road, Fort.
 Arvind Chandra Ambalal Trivedi.—Lalgar Chambers, Tamarind Lane, Fort.
 Aspinwall Lukhmidas & Co.—7-9, Elphinstone Circle, Fort.
 Bachhuji & Co., Ltd.—Jehangir Wadia Building, Mahatma Gandhi Road, Fort.
 Bhatlvala & Karani.—Union Bank Building, Dalal Street, Fort.
 Begraj Kishandev.—207, Kalbadevi Road, Bombay 2.
 Bhaidas Goolabdas.—Share Bazar, Fort.
 Bharrucha, Homi M. P.—Karsondas Natha Building, Hamam Street, Fort.
 Billimoria, H. R.—Karsondas Natha Building, 5-A, Hamam Street, Fort.
BREUL AND CO.—Taj Bldg., Hornby Road, Fort, Bombay 1.
 Chaitanyalal & Co.—808, Cotton Exchange Building, Kalbadevi Road.
 Chimanlal J. Dalal & Co.—107, Stock Exchange Building, Dalal Street, Fort.
 Chimanlal Mohanlal & Co.—Patel Building, Zaveri Bazar.
 Chinoy & Co.—East and West Building, Apollo Street, Fort.
 Chiranjlal & Co.—109-201, Kalbadevi Road, Bombay 2.

Chugondas & Co.—17-18, Elphinstone Circle, Fort.
 Chugonlal Gandhi & Co.—Opp. Share Bazar, 6, Dalal Street, Fort.
 Chunilal Krishnmal & Co.—608, Cotton Exchange Building, Kalbadevi Road.
 Chunilal Mehta & Co., Ltd.—Yusuf Building, 43, Mahatma Gandhi Road, Fort.
 Chunilal Virchand & Sons.—Stock Exchange Building, Dalal Street, Fort.
 Cotton Information Bureau—381, Hornby Road, Fort.
 Darashaw & Co.—Central Bank Building, Mahatma Gandhi Road, Fort.
 Dastur, M. B., & Sons.—Insurance Brokers, Ismail Building, Hornby Road, Fort.
 Dhansukhlal & Co.—Patwa Chawl, Zaveri Bazar.
 Dharamdas Samaldas Purbhooas.—10, Stock Exchange, Dalal Street, Fort.
 Dhirajlal Mohanlal & Co.—Aga Khan Building, Dalal Street, Fort.
 Drennan & Co.—Cotton Brokers, Neville House, Currimbhoy Road, Ballard Estate, Fort.
 Duleral & Co.—22, Apollo Street, Fort.
 Durlabhji Umedchand & Co.—Laxmi House, 177-179, Kalbadevi Road.
 Express Corporation.—Co-operative Insurance Building, Sir Phirozshah Mehta Road, Fort.
 Forbes & Lund.—Royal Insurance Building, Veer Nariman Street, Fort, Bombay 1.
 Gazdar, J. S., & Sons.—Share Bazar, Dalal Street, Fort.
 Gill & Co.—E. D. Sassoon Building, Dougall Road, Ballard Estate, Fort.
 Goculdas Dossa & Co.—Cotton Brokers, 55, Apollo Street, Fort.
 Goel Bros. & Co., Ltd.—Navsari Chambers, Fort.
 Gokalbhai Dolatram & Co.—Cotton Brokers, 522, Cotton Exchange Building, Kalbadevi Road.
GUTT, SAHER & GANDEI.—Allahabad Bank Building, Apollo Street, Fort. Stock, Share, Bullion, Exchange and Finance Brokers.: Grams: "WIZARD". Phone: Office: 23298 and 33900.
 Habib & Sons.—Bullion, Finance, Cotton & Produce Brokers, Laxmi Building, 177-79, Kalbadevi Road.
 Hanraja & Co.—Seed and Myrothalan Brokers, Arya Bhuvan, Graham Road, Ballard Estate.
 Haridas Dwarakadas & Co.—Iron & Steel Brokers, near Carnac Bridge, Argyle Road.
 Hasanali Fatehall.—190, Nagdevi Street.
 Jadavji Naraldas & Co.—Seeds Brokers, 713, Cotton Exchange Building, Kalbadevi Road.
 Jadavji Premji Gandhiji.—Cotton and Bullion Broker, 199-201, Kalbadevi Road.
 Jagmohan Manilal Co.—Cotton Brokers, 505, Cotton Exchange Building, Kalbadevi Road.
 Jagmohandas J. Karadia.—Share & Stock Broker, Savoy Chambers, Dalal Street, Fort.
 Jannadas Lakhmidas & Co.—Cotton Brokers, 403, Cotton Exchange Building, Kalbadevi Road.
 Jannadas Morarjee & Co.—Old Stock Exchange Building, 8/10, Dalal Street, Fort.
 Jehangir J. M. Poonjiajee.—Byramji Mansion, Sir Phirozshah Mehta Road, Fort.
 Jehangir Mehrwanji & Co.—Govt. Paper & Finance, Shares & Stock Brokers, Jehangir Wadia Building, 51, Mahatma Gandhi Road, Fort.
 Jethalal & Co.—Cotton Brokers, 603, Cotton Exchange Building, Kalbadevi Road.
 J. P. Gupta.—108, Stock Exchange New Building, Apollo Street, Fort.
 Keshowji Mulji & Co.—Insurance Brokers, 283, Samuel Street.
 Khimji Poonja & Co.—Wadia Building, 17/19, Dalal Street, Fort.
 Kilachand Devchand & Co., Ltd.—Cotton, Seeds, Sugar and Insurance Brokers, 45-47, Apollo Street, Fort.
 Krishnaraj Dhanjibhai & Co.—Cotton Brokers, 612, Cotton Exchange Building, Kalbadevi Road.
 Laljee Sajun & Co.—Lansdowne Road, Apollo Bunder, Fort.
 Lalubhai Atmaram & Co.—Cotton Brokers, Mahajan Association, Zaveri Bazar.
 Laws, Wm., & Co.—Sorab Mansion, 35, Murzban Road, Fort.
 Lees, H. E., & Co.—Windsor House, 138, Queen's Road.
 Lewis & Jones.—Bank of Baroda Building, Apollo Street, Fort.
 Lilladhar Karsandas & Co.—Cotton Brokers, Aga Khan Building, Dalal Street, Fort.
 Lister & Co., Charles.—Cotton & Wool Brokers, Navsari Chambers, Hornby Road, Fort.
 Mackintosh, James, & Co.—Freight Brokers, Darabshaw House, Ballard Estate, Fort.
 Maion, D. S., & Son.—Karsondas Natha Building, Dalal Street, Fort.
 Madon, P. M.—Share Broker, Stock Exchange Building, Apollo Street, Fort.
 Maneiklal Javerchand Dayachand Javeri.—Share & Stock Broker, Hindustan Press Building, 21, Dalal Street, Fort.
 Mangaldas Hakamchand Parikh.—Share Bazar, 89, New Stock Exchange Building, Fort.

Mangaldas Kalidas Choksey.—Share Broker, Kilachand Devchand Mansion, Apollo Street, Fort.
 Manilal Bakordas & Co.—Old Stock Exchange Building, Share Bazar, Fort.
 Manmohandas Nemidas & Co.—Share Brokers, 5, Dalal Street, Fort.
 Mansukhlal Sukhlal Tarwala & Co.—Cotton Brokers, 18-22, Marwari Bazar.
 Mehta, Ramkrishna & Co.—Neptune Building, 166, Hornby Road, Fort.
 Mehta, Vakil & Co.—Bankers & Brokers, Old Stock Exchange Building, Dalal Street, Fort.
 Merwanjee Romanjee Dalal—45/17, Apollo Street, Fort, Bombay.
 Minocher Framji & Co.—Cotton Brokers, Sambava Chambers, Sir Phirozshah Mehta Road, Fort.
 Mirzamal Poddar & Co.—Cotton Brokers, 2-5-7, Hamam Street, Fort.
 Motilal K. Dalal & Co.—Share & Stock Brokers, Old Share Bazar Building, Dalal Street, Fort.
 Motilshaw, J. R., & Co.—Share and Stock Brokers, 32, Apollo Street, Fort.
 Mukundray Pratapray.—Cotton, Grain, Seeds, Gold & Silver Broker, 30, Marwari Bazar, Bombay 2.
NABAR, R. R., & CO.—Share & Stock Brokers, 31, Dalal Street, Fort. Phone: 24040.
 Narbheram Naranji & Sons.—Cotton Brokers, 709, Cotton Exchange Building, Kalbadevi Road.
 Parekh & Sons.—Share Brokers, Aga Khan Building, Dalal Street, Fort.
 Patel Bros.—10, Churchgate Street, Fort.
 Patel Bros.—501, Cotton Exchange Building, Kalbadevi.
 Patel & Ramdutt.—Share & Stock Brokers, 42-43, Stock Exchange Building, Apollo Street, Fort.
 P. H. Kamdar.—19, Latif House, Lokhand Jetha, Carnac Bunder, Bombay 9.
 Pitamber & Co.—Freight Brokers, Scindia House, Ballard Estate, Fort.
 Pitamber Laljee & Sons.—Freight, Coal and Share Brokers, 4, Botawalla Building, 7-9, Elphinstone Circle, Fort.
 Pratapral Madhavji & Co.—Gaya Building, Manjil Bunder Road.
 Premechand Roychand & Sons, Ltd.—63, Apollo Street, Fort.
 Purbhooas & Co., D. S.—Share, Stock, Exchange and Finance Brokers, Stock Exchange New Building, Apollo Street, Fort.
PURDIE & CO.—Freight Brokers, 16, Elphinstone Circle, Fort.
 Pyarelal Gupta & Co.—207, Kalbadevi Road, Bombay 2.
 Ramdas Dossa & Co.—Cotton Brokers, 509, Cotton Exchange Building, Kalbadevi Road.
 Ramdas Khimjee Bros.—Cotton Brokers, Warden House, Sir Phirozshah Mehta Road, Fort.
 Ramdas Tulsidass & Co.—Cotton Brokers, 610-616, Cotton Exchange Building, Kalbadevi Road.
 Ramdayal Somanl & Co.—Brokers, 158-164, Kalbadevi Road.
 Ramkrishnas Parasarampuria & Co.—Cotton and Linseed Brokers, Raj Mahal, Bhuleshwar Road.
 Ramsarup Gupta & Co.—705, Cotton Exchange, Kalbadevi Road, Bombay 2.
 Ramsukh Karanidan & Co.—Share & Bullion Brokers, Savoy Chambers, Dalal Street, Fort.
 Ranchhodas Purshottam & Co.—Cotton Brokers, 39, Marwari Bazar.
 Ratilal & Co.—Cotton & Bullion Brokers, opp. New Cotton Exchange, 1-3, Bhuleshwar Corner.
 Raval Tiles & Marble Ltd.—97-A, Queen's Road, Bombay.
 Raychand Doungerahi.—Cotton Broker, 32, Marwari Bazar.
 Ruttonsee Ernest & Co.—Freight Brokers, Jan Mansion, Sir Phirozshah Mehta Road, Fort.
 Sankalchand G. Shah & Co.—Yarn and Sugar Brokers, Hanuman Building, Tamhakantra, Pydhownie.
 Sevantilal & Co.—Linseed and Wheat Brokers, Marwari Chamber of Commerce Building, 232-234, Kalbadevi Road.
SHIVNARAYAN NEMANI.—Share and Stock Brokers, 2nd Floor, Aga Khan Building, Dalal Street, Fort, Bombay. Phone: 31491 & 30791. Grams: "ECLAT".
 Shroff, Cooper & Co.—Cotton Brokers, 67, New Stock Exchange Building, Apollo Street, Fort.
 Shroff, P. N., & Co.—Finance, Exchange & Bullion Brokers, House, 124, Cowasji Patel Street, Fort.
 Shroff, R. P., & Sons.—Share and Stock Brokers, 6, Stock Exchange Building, Dalal Street, Fort.
SHUTTLEWORTH & BRET.—Exchange Brokers, 21, Ravelin Street, Fort. Grams: "INGOT." Phone Nos.: 22917 and 30911.
 Subramanyam, P. R., M.A.—70-A, Stock Exchange Building, Apollo Street, Fort.
 Suntoomal Ravaldas & Co.—Suntoomal Ravaldas Building, Narayan Dhuru Street.
 Thakordas Soorajlal & Bros.—Cotton Brokers, Tankali Bhuvan, Kalbadevi Road.
 Thakorlal H. Vakil.—Share & Stock Broker, 15, Hamam Street, Fort.
 Thariany, M. S.—P.O. Box No. 3101, Bombay 3. Registered Insurance Broker, The Home Insurance Co., Ltd. of New York, Bombay.

Vandrewalla & Dordi.—Share & Stock Brokers, Old Share Bazar Building, Apollo Street, Fort.
 Venial & Co.—Cotton Brokers, Patwa Chawl, Marwarl Bazar.
 Viam Ladha & Co.—Cotton Brokers, 228, New Cotton Exchange Building, Kalbadevi Road.
 Vrajil Thakkar & Co.—Exchange, Finance & Bullion Brokers, 77, Meadows Street, Fort.

BRUSH MANUFACTURERS

Adamally Sons, Ltd.—277, Nagdevi Street, Bombay 3.
 Aryan Brush Co. Ltd.—Lentin Chambers, Dalal Street, Fort.

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BRIGHT BROS. LTD.—156A, Tardeo Road, Bombay 7. Grams: "BRIBOS." Phone: 41699. Manufacturers of Plastic Tooth Brushes, Hair Brushes.

Cawnpore Mills Depot.—Churchgate House, Churchgate Street, Fort.

CHUNILAL KHANNA & CO.—Sarawati Nivas, Thakurdwar Road, Bombay 2.

TELEPHONE 61663

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MANUFACTURERS OF INDUSTRIAL, TOILET AND PAINT BRUSHES. SPECIALISTS IN TEXTILE BRUSHES. MAKERS OF PATENTED LIFE TIME COMB- BRUSHES.

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Grand Woodworks & Saw Mills.—Connaught Cross Road, Ghorupdeo. Great Eastern Trading Co.—107, Cawasji Patel Street, Fort.

HARDCASTLE & WAUD MANUFACTURING CO., LTD.—Alice Building, 339, Dr. Dadabhai Naoroji Road, Fort, Bombay 1. Phone: 27017. Tel. Address: "WAUDCO." Manufacturers of Heat Treatment Products, Cutting Coolants, Founding Products, Gaskets, Colours, Silent Gears, "HAWCO" Paint Brushes and "KLEANWELL" Wire Products, etc.

Jai Bharat Brush Co.—278, Superibaug Road, Parel, Bombay 12. Kalapi Store.—35-38, Swadeshi Market, Kalbadevi Road, Bombay 2. Mayfair Brush Co.—225, Frere Road, Behind G.P.O., Bombay 1. Motor Colour Co.—33, Nagdevi Street, Bombay 3.

National Hardware & Stores Supply Co.—Post Box 3146, Bombay 3. Rubako Industries—Behramji Mansion, Sir Phirozshah Mehta Road, Fort, Bombay 1. Shah Trading Corporation.—Oomrigar Building, opp. Crawford Market, Bombay. Wadhvani & Co.—Botawala Building, 7-10, Elphinstone Circle, Fort.

BUCKETS, DRUMS AND HOLLOWWARE MANUFACTURERS

Balmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate, Fort. Great Western Engineering Works—"Sea View," 1st Pasta Lane, Colaba, Bombay 5

HASSAMBHOY JETHA.—Opp. Byculla Goods Depot, Parel Road, Bombay 27. Phones: 73591 & 73592. Grams: "IRONCASKS."

National Hardware & Stores Supply Co.—Post Box 3146, Bombay 3. Vaziralli Limited—Prospect Chambers, Hornby Road, Fort.

BUILDERS AND CONTRACTORS

Abdulahsein Rasoolally Contractor.—91-93, Rapu Khote Street, Bombay 3.

Ahmed Noormohmed Chunawala & Co.—338, Ghodhunder Road, Andheri.

Allied Construction Co., Ltd.—Panisal Bansilal Mansion, 24-B, Hamam Street, Fort.

Asian Trades & Industries—Post Box 3113, Bombay 3

Bamboat, B., & Co.—56, Gowalla Tank Road, Bomai 26.

Concrete Construction & Engineering Co., Ltd.—Churchgate House, Churchgate Street, Fort.

DECCAN CONSTRUCTION CO.—232, Hornby Road, Fort. Phone: 22328.

Doctor Shah & Co.—Swadeshi Mills Estate, Bombay 4.

Fabricated Steel & Construction Co., Ltd.—Panisal Bansilal Mansion, 24-B, Hamam Street, Fort.

Gagrat & Co.—160, Nagdevi Street, Bombay.

Gammon, Ltd., J. C.—Hamilton House, Graham Road, Ballard Estate, Fort.

Gannon Dunkerley & Co., Ltd.—Chartered Bank Building, Mahatma Gandhi Road, Fort.

GHANSHAM & CO.—Engineers, Builders & Contractors, 18, Court House, 2nd Floor, Dhobitalao, Bombay 2. Phone: 22438.

Hindustan Construction Co., Ltd.—Construction House, Ballard Estate, Bombay.

JILKAR, M. R. J. & CO.—34-38, Hamam Street, Fort. Phone: 30557.

KANJI GOVIND KERSON.—Managing Proprietor: The Kalyan Electric Supply Co. Ltd., K. R. K. Manse, Murbad Road, Kalyan. Phone: No. 1 Kalyan and No. 22914 Bombay.

Karachi Engineering Co.—People's Building, Sir Phirozshah Mehta Road, Fort, Bombay

KHANNA & CO., S.—Mustafa Building, Sir Phirozshah Mehta Road, Fort. Grams: "CRETECO," Bombay. Phone: 25462. Engineers, Government & Railway Contractors.

Lallubhai & Co.—Prospect Chambers Annex, Hornby Road, Fort.

LAXMI CONSTRUCTION & TRADING CO., LTD.—Civil Engineers and Contractors, 4th Floor, Laxmi Building, Ballard Road, Fort. Agents for Kuikform, Ltd., all sorts of Steel Scaffolding and Centring Equipment, Steel Welded Fabric, Hard Boards & Insulating Boards, Leather Belting, etc. Phone: 22821.

LEVKA LIMITED.—Civil Engineers, Builders & Contractors. Office: 16, Slesater Road, Bombay 7. Tel. 41955.

McKenzies Ltd.—Sewri.

Mistry Ebrahim Suleman & Co.—116, Esmail Curtay Road, Bombay 3.

Modern Housing & Building Trust.—Lady Hardinge Road, Matunga (Western Rly.).

Morichand Construction Co., Ltd.—United India Building, Sir Phirozshah Mehta Road, Fort.

Narendeasingh Construction Co., Ltd. Cliflet, 33, Pochkhanawala Road, Worli, Bombay.

Narayan Vithal Sayana, Dewan Bahadur, J.P.—Lohar Chawl.

National Hardware & Stores Supply Co.—Post Box 3146, Bombay 3. New Era Construction & Transport Co., Ltd.—Advani Chambers, Sir Phirozshah Mehta Road, Fort.

Orient Construction.—Bell Building, 6, Sir Phirozshah Mehta Road, Fort.

Pallonji Eduljee & Son.—25, New Charni Road, Bombay 4.

Premier Construction Co., Ltd.—Construction House, Ballard Estate, Fort, Bombay.

R. D. Sharma & Co.—14, Moreshwar Building, Napoo Road, Matunga, Bombay 19.

Shah & Mehta.—72nd Carpenter Street, Bombay 4.
 Shapoorji Pallonji & Co.—70, Meadows Street, Fort.
 Simplex Concrete Works & Construction Co.—"La Citadelle", 82, Queen's Road.
 Simpson, D. B., & Co.—Gamdevi Road, Grant Road, Bombay 7.
 Tejoo Kaya & Co.—Tejoo Kaya Park, Vincent Road, Matunga, Bombay 19.
TIMBER WOOD SYNDICATE.—All kinds of Timber, Bullies, Mundas, Rafters, Bamboos, etc., obtained direct from forests under own contracts available in big stock. Head Office: Ghodbunder Road, Andheri, Bombay. Phone: 86673. Branch: Husain Lakda Bazar, Bellasis Road, Bombay 8.
 United Construction Corporation.—Shrinivas House, 3rd Floor, Waudby Road, Fort.
 Victoria Sanitary Stores.—54, 3rd Bhoiwada, Bhuleshwar, Bombay 2.

BUILDING MATERIALS

Arco Steels Prospect Chambers Annexe, Hornby Road, Fort.
 Chandulal Narandas.—06, Kika Street, Bombay 4.
 Heatly and Gresham Ltd.—9, Forbes Street, Fort, Bombay.
 Kanakia Corporation.—163, Nagdevi Cross Lane, Bombay 3.
 Karachi Engineering Co.—People's Building, Sir Phirozshah Mehta Road, Fort, Bombay.
LAXMI CONSTRUCTION & TRADING CO., LTD.—Civil Engineers and Contractors, 4th Floor, Laxmi Building, Ballard Road, Fort, Agents for Kulkarni, Ltd., all sorts of Steel Scaffolding and Centring Equipment, Steel Welded Fabric, Hard Boards and Insulating Boards, Leather Belting, etc. Phone: 22821.
 Mousell & Company Ltd.—Lotus House, Marine Lines, Bombay 1.
NAGDEVI TOOL-STEEL MART.—186-88, Nagdevi Street, Bombay 3.
NEW INDIA MOSAIC AND MARBLE CO., LTD.—Erabourne Stadium (North), Churchgate, Fort, Bombay 1. Manufacturers of 'NIMMCO' Plain Cement, Marble Mosaic Flooring Tiles in wide range of quality and Colours, Pietra (Terrazzo) Tiles, Chequered Tiles and Steps for heavy duty, Pre-cast Marble Mosaic Slabs, Situ Work, Artistic Articles in Marble Mosaic, etc. Factory: Industrial Estates, Lalbaug, Bombay 12. Grams: "NIMMCO TILE." Phone: 41773.
 Phoenix Plywood Depot.—Prospect Chambers Annexe, Hornby Road, Fort.
 P. Ratilal & Co.—43, Dhanji Street, Bombay 3.
 Teamman Traders.—Post Box No. 3162, Nagdevi Street, Bombay 3.
 Zenith Iron Works.—46, Abdul Rehman Street, Bombay 3.

BULLION

Begraj Gupta.—207, Kalbadevi Road, Bombay 2
C. MEHTA & CO.—Tankshali Bhuvan, 1st Floor, 191, Kalbadevi Road, Bombay 2. Phone: 28891. Grams: "CIMECO."
 Hemchand Mohanlal & Co.—Deoki Bhuvan, Dhanji Street, Bombay 3.
 Khimji Poonja & Co.—Wadia Building, 17/19, Dalal Street, Fort.
 Merwanjee Bomanjee Dalal.—45-47, Apollo Street, Fort Bombay
 Motilal Vibhukhandas.—155, Shaikh Memon Street, Bombay 2
 Pyarelal Gupta & Co.—207, Kalbadevi Road, Bombay 2.
 Ramsarup Gupta & Co.—705, Cotton Exchange, Kalbadevi Road, Bombay 2.

BULLION SMELTERS & SHEETS MAKERS

Craftsman Electronic Corporation Ltd. Navsari Building, 240, Hornby Road, Fort and Sthana Hall, Nesbit Road, Mazgaon, Bombay 10. Suppliers of Furnaces, Pyrometers and Instruments for.
DOSABHAI RUSTOMJI CHOKSI & CO.—28, 1st Agiary Lane, Khara Kuva, Zaveri Bazar, Bombay. Gold and Silver Melters and Sheets Makers.

BUYERS AND SELLERS

Allabux, M., & Co.—110-112, Cawasji Patel Street, Fort.
 Rajaji Brothers Ltd.—Round Building, Kalbadevi.
 Gulam Rasul Allabux.—1-B, Bachooali House, Nowroji Hill Road No. 1, Bombay No. 9.
HASSAMBHOY JETHA.—Opp. Byculla Goods Depot, Parel Road, Bombay 27. Phones: 73591 & 73592. Grams: "IRON-CASES."
 Mullick, M. A., & Co.—91, Mahomedally Road, P.O. Box No. 3003, Bombay 4.
 Reliance Trading Co.—Vithal Sayana Building, Lohar Street, Bombay 2.
 Sethy, M., & Co.—29, Ismail Building, 351, Hornby Road, Fort.

CALENDAR MANUFACTURERS

Bombay Calendar Co.—44, Cawasji Patel Street, Fort.
 Excel Process Works.—Manufacturers of Advertising Metal Calendars and Novelties, opp. "Excel House", Ghodbunder Road, Irla, Vile-Parla, Bombay 24.
RYLAND PAPER BOX MANUFACTURING CO.—(Box Manufacturers and Printers), Lakahmi Building, 34, Cawasji Patel Street, Fort, Bombay 1. Factory at: Timberware Compound, near Paradise Talkies, Lady Jamshedji Road, Mahim. Phone: 62820. Manufacturers of Cardboards, Cartons and Fancy Boxes, Labels, Wrappers and Packing Materials.
 Taj Printing Works.—46-A, Cawasji Patel Street, Fort.

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 ★ SHOW CARDS
 ★ POSTERS
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104, Ardeshir Dadi Street, Vithalbhair Patel Road,
 Phone No. 72293. **BOMBAY 4.**

CAMPOR IMPORTERS AND DEALERS

Bhavanidas Gangadas & Co.—233/35, Samuel Street, Vadgadi, Bombay 3.
 Jagkumar & Co.—Prospect Chambers Annexe, 317/321, Hornby Road, Fort.
KANTILAL SANGHVI & CO.—Mherwan Building, Sir Phirozshah Mehta Road, Fort. Phones: 34261, 28165. Grams: "EXPIM."

CANE AND CANE BASKETS

Asian Trades & Industries.—Post Box 3113, Bombay 3
 Blaschke, H., & Co.—Dadyseth House, 44, Cawasji Patel Street, Fort.
 Great Eastern Trading Co.—107, Cawasji Patel Street, Fort.
 Greentone Corporation (India)—Cama Buildings, 21-26, Dalal Street, Fort.
 National Hardware & Stores Supply Co.—Post Box 3146, Bombay 3.
NAZARALI VALIBHOY NETTERWALLA.—28, Dharamsey Street, Bhendi Bazar, Bombay 3. (Estd. 1895). Phone office: 71200. Grams: "CANEMART." Importers of Singapore Canes & Manufacturers of Cane Baskets.

CANNERS (FRUITS & VEGETABLES)

Fruit Farm Products Co.—Byramji Mansion, Sir Phirozshah Mehta Road, Fort.
JAMES SMITH & CO.—Sreenivas House, Waudby Road, Canners and Manufacturers of Preserved Fruits, Vegetables, Juices, Syrups and all other items of Provisions, etc. "Brandsil" of guaranteed proved quality under hygienic conditions. Office: Sreenivas House, Waudby Road, Fort. Telegrams: "HEROINE." Phone: 30334.
KALVERT, A., & CO.—123, Upper Duncan Road, Bombay 8. Phone: 42114. Grams: "CURROSAUCE." Manufacturers of Mango Chutney, Pickles, Curry Powder, Condiments, Squashes, Vinegar, Sauces, Pearl Barley, Syrup, Prumto, Canned Alphonso Mango Slices and Pulp, Prawn Balchow, Jams and Canned Vegetables.
 Madhu Canning Co., Ltd.—Dadar, Bombay 14.
PURE PRODUCTS & MADHU CANNING LTD.—Fruit Canners and Manufacturers of Jams, Jelly, Marmalades, Pickles, Squashes, Chocolates & Confectionery. Suppliers to the Defence Service. Kodak House (3rd Floor), Hornby Road, Fort, Bombay 1. P.O. Box No. 270. Phones: 32078-32079 (2 Lines). Grams: "PUPRO." Factory: Dr. Annie Besant Road, Worli. Phone: 74351.
 Victory Food Canners Ltd.—Albert Building, Hornby Road, Fort.

CANNING EQUIPMENT

Craftsman Electronic Corporation Ltd.—Navaari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.

CANTEEN STORES SUPPLIERS

ABDEALLY, B. M., & CO.—127, Sarang Street, Bombay 3. Phone: 31790.

Fruit Farm Products.—Byramji Mansions, Sir Phirozshah Mehta Road, Fort.

Mahomed Hussain & Bros.—106, Kansara Chawl, Kalbadevi, Bombay 2.

Salemahomed Padamsee & Co.—141, Chakla Street, Bombay 3.

Smith Stanstreet & Co., Ltd.—Stan House, Barrack Road, Fort, Bombay 1.

Vaziralli, Ltd.—Prospect Chambers, Hornby Road, Fort.

CARBON PAPER MANUFACTURERS

Bharat Carbon & Ribbon Mfg. Co., Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort.

HINDUSTAN CARBONS LTD.—N. M. Wadia Buildings, 123, Mahatma Gandhi Road, Bombay 1. Grams: "CARBO-BLACK."

KORES (INDIA), LTD.—Plot No. 10, off Haines Road, Worli, Bombay 18. Manufacturers of Carbon Paper, Typewriter Ribbons, Duplicating Stencils and Accessories.

LATHAM ABERCROMBIE & CO., LTD.—Forbes Building, Home Street, Fort, Bombay.

CARBONIC ACID GAS DEALERS

Akbarally Mahomedally & Co.—Dawoodi Building, 316, Abdul Rehman Street.

Bombay Trading Co.—Dhunj-Nur, Sir Phirozshah Mehta Road, Fort. Eastern Bunkers, Ltd.—Scindia House, Dougall Road, Ballard Estate, Fort.

Esoofally Mahomedally & Co.—102-104, Bhusari Moholla, Bombay 3.

General Import Co (India)—Heera Building, 1st Floor, Carnac Road, Bombay 2.

Sirdar Carbonic Gas Co., Ltd.—Connaught Road, Mazagaon.

CARGO SUPERINTENDENTS

L. DEWAN & SON.—Jan Mansion, Sir Phirozshah Mehta Road, Fort. Phone: 31469. Cable: "RAILCUMSEA."

CARPET DEALERS

Abdulla Abdul Karim.—49, Abdul Rehman Street, Bombay 3.

Allabux, M. & Co.—110-112, Cawasji Patel Street, Fort.

Army & Navy Stores, Ltd.—Mahatma Gandhi Road, Fort.

Asiatic Fur and Carpet Store.—2, Waterloo Mansions, opp. Regal Cinema, Fort.

Rokhara Palace.—Opp. The Taj, Apollo Bunder, Fort.

Bombay Swadeshi Co-operative Stores Co., Ltd.—Western India House, Sir Phirozshah Mehta Road, Fort.

Checker Brothers.—Coronation Building, Gunbow Street, Fort.

Eastern Afghan Traders.—35, People's Building, Sir Phirozshah Mehta Road, Fort.

Ellora Furnishers.—Madhvan Building, Sandhurst Bridge, Chowpatty, Bombay 7.

Evans Fraser & Co.—The Fort House, Hornby Road, Fort.

Hassaram, K., & Co.—New Silk Bazar, Kalbadevi, Bombay 2.

Hindustan Fabrics.—Fulchand Nivas, Chowpatty Seaface.

Hotchand Motulal.—331, Hornby Road, Fort.

INDIAN ART MUSEUM LTD.—Carnac Bridge, Bombay 3. Phone: 20726. Grams: "INDARTMUSE."

INDIAN ARTS EMPORIUM.—Bombay Mutual Annexe, 2-C, Cawasji Patel Street, P.O. Box No. 1116, Fort, Bombay.

Indian Durries Emporium.—64, Mahomedali Road, Bombay 3.

INDIAN INDUSTRIES PALACE.—38, Carnac Bridge, Bombay 3. P.O. Box No. 3011. Phones: 20938 and 32698. Grams: "GOLDTEMPLE." Manufacturers of Carpets, Brassware and Oriental Arts.

Kabul and Kashmir Store.—15, Lansdowne Road, Apollo Bunder, Fort.

Khaney (India) Ltd.—Dhannukar Building, New Silk Bazar, Bombay 2.

M. Dialdas & Sons.—190, Princess Street.

Modern Indian Art Crafts.—Sambava Chambers, Sir Phirozshah Mehta Road, Fort.

Noorbhai Jivaji.—Tyebi Mansil, Bhendy Bazar, near Tram Junction.

Peerbhoy & Sons, E.—Prop.: Indian Durries Emporium, 64, Mahomedali Road, Bombay 3.

Royal Carpet & Tapestry Emporium.—Dina Building, 53, Queen's Road, opp. Marine Lines Station.

Royal Carpets & Cane-Furniture Manufacturing Co.—Mani Bhuwan, Hughes Road, Bombay 7.

Universal Trading & Manufacturing Co.—23, Jamshed Feroze Mahal, Ibrahim Rahimtoola Road, Bombay 3.

Whiteaway Laidlaw & Co., Ltd.—278-286, Hornby Road, Fort.

CARPET MANUFACTURERS

D. Ram & Co.—Krishna Nivas, New Silk Bazar, P.O. Box 2376 Bombay 2. Grams: "SADHU." Sole Prop.: Dayaram Sadhumal, M.A.

Grand Bazar.—25, Colaba Causeway, Bombay 1.

Indian Industries Palace.—Jannabhoomi Chambers, Fort Street, Fort.

Pashoomul's Carpet Emporium.—Jannabhoomi Chambers, opp. Red Gate, Alexandra Dock, Fort Street.

Punga Trading Syndicate—Prospect Chambers, Hornby Road, Fort, Bombay.

Teheran Carpet House.—Bode House, Ormlston Road, Apollo Bunder, Bombay.

CASEIN GLUE SUPPLIERS

Din Products Ltd.—219, Frere Road, opp. G.P.O., Fort.

Hardcastle, Waud & Co., Ltd.—Alice Buildings, Hornby Road, Fort.

Kantilal Sanghvi & Co.—Mherwan Building, Sir Phirozshah Mehta Road, Bombay.

Smith-Stanstreet & Co., Ltd.—Stan House, Barrack Road, Fort.

CASEIN MANUFACTURERS AND DEALERS

Bullion Dairy Farm.—176, Shelkh Memon Street, Bombay 2. Phone: 21712. Casein Manufacturers.

Capitol Colour & Chemical Co.—77/87, Mirchi Street, Vadgadi, Bombay 3.

Latham Abercrombie & Co., Ltd.—Forbes Building, Home Street, Fort.

Polson, Ltd.—Jn. of Belvedere & Dockyard Roads, Bombay 10.

CASING—CAPPING & BLOCKS

Paramount Wooden Industries.—Office: 147, Lohar Chawl, Tawa-walla Building, 2nd Floor, Bombay 2.

CASTING MANUFACTURERS

Mysore Iron & Steel Works—Bhadrawati, Manganesee Steel, Cast Steel and Heat Resisting Castings, Locomotives Industries and Acid Resisting Castings for Chemical Industries: Contact:

Ratanlal Morari Ltd., Prospect Chambers, 317/21, Hornby Road, Bombay 1.

CATECHU (KATHA) DEALERS

DINSHAW, V. N., & CO.—Catechu (Katha) Merchants. Sole Stockists: I. W. P. Katha for Bombay State. 84, New Barden Gali, Bombay No. 3. Phone: 70876. Grams:

"BETABLET."

Kikabhai Gulamhusen.—210, Samuel Street, Vadgadi.

CATERERS, PURVEYORS & BAZAR SUPPLIERS

BRANDON & CO., LTD.—Elphinstone Building, Churchgate Street, Fort. Phone: 20333.

Carlin, E. A.—138-40, Samuel Street, Khoja Moholla, Bombay.

Fruit Farm Products Co.—Byramji Mansions, Sir Phirozshah Mehta Road, Fort.

Mongini Limited.—45-47, Churchgate Street, Fort.

Palmer, A., & Co.—C-123, Cumballa Hill.

Pearse & Co.—Opposite Imperial Bank, Apollo Street.

Pioneer Coffee House.—46, Churchgate Street, Fort.

Pyrke's Provision Stores.—373, Hornby Road.

Rabadi, K. N., & Sons.—19, Ropa Lane, Chandanwadi.

Salmagankar, B. L.—Caterer, 41, Jijibhoy Dadabhoy Street, Hornby Road, Fort, Bombay.

Tambe, B., Ltd.—Sanzgiri Sadan, Girgaum Road.

Wayside Inn.—38, Rampart Row, Fort.

CELLULOID SHEETS SUPPLIERS

Blaschcock, H. & Co.—Dadyseth House, opp. Hongkong Bank, Fort.
 Chimanlal Patel & Co.—174, Hornby Road, Fort.
 East India Trading Co.—Shrinath Bhuvan, 27, Picket Cross Road,
 Lohar Chawl.
 East India Trading Corporation—413, Sandhurst Road, Bombay.
 Kannthawala, N., & Co.—77, Medows Street, Fort.
 Kothari & Sons—20, Noble Chambers, Parsi Bazar Street, Fort.
 Majid & Co.—Karim Building, 56, Mohamedali Road.
RAMNIKAL C. KOTHARI & CO.—16, Apollo Street, Bom-
 bay 1. Phone: 25862. Grams: "ASTROGEMS."
 Western India Manufacturers, Sandhurst Road, Bombay 4.

CEMENT (HIGH TEMPERATURE)

Alexander & Raymond Sitaram Building, "G", Paltan Road
 Bombay 1
 Bombay Potteries & Tiles Ltd.—United India Building, Sir Phiroz-
 shah Mehta Road, Fort
 Hardenstle, Wand & Co., Ltd.—Alice Building, Hornby Road, Fort.
 K. G. Gabbal & Sons—8-10, Green Street, Fort.
 P. B. Shah & Co., Ltd.—58, Lohar Chawl, Bombay 2.

CEMENT AND CONCRETE COMPANIES

Asbestos Cement Ltd.—Mulund
 Associated Cement Companies, Ltd.—Opp. Churchgate Station, Fort.
 Balmer Lawrie & Co., Ltd.—8, Graham Road, Ballard Estate, Fort.
 Craftsman Electronic Corporation Ltd.—Navsari Building, 240,
 Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon,
 Bombay 10. Suppliers of Control Equipment for
DIALDAS, M., & SONS.—190, Princess Street, Bombay 2.
 Gammon, J. C., Ltd.—Hamilton House, Graham Road, Ballard
 Estate, Fort.
 Gannon Dunkerley & Co., Ltd.—Chartered Bank Building,
 Mahatma Gandhi Road, Fort
 Jacks, William & Co., Ltd.—Hamilton House, Graham Road,
 Ballard Estate, Fort.
 Lawry & Co., Ltd.—16, Hornblum Circle, Fort, Bombay 1.
 McKenzie, Ltd.—Swri.
 Modern Concrete Art Industries.—17-19, Dalal Street, Fort.
 Raval & Co.—21, Bank Street, Fort.
 Shah & Mehta.—7, Second Carpenter Street, Bombay 4.
 Simplex Concrete Works & Construction Co.—"La-Citadelle," 32,
 Queen's Road.
 Tata Sons, Limited.—"Bombay House," 24, Bruce Street, Fort.

CEMENT BLOCK MAKING MACHINES

Jacks, William & Co., Ltd.—Hamilton House, Graham Road,
 Ballard Estate, Fort.
 Larsen & Toubro Ltd.—J. K. Building, Dougall Road, Ballard
 Estate, Fort.
WESTERN MANUFACTURING CO.—Hassan Chambers, Parsi
 Bazar Street, P.O. Box No. 1230, Fort, Bombay. Phone:
 Office: 32284. Workshop: 40147. Grams: "WESTERWORK".

CHARCOAL MANUFACTURERS AND DEALERS

Craftsman Electronic Corporation Ltd.—Navsari Building, 240,
 Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon,
 Bombay 10. Suppliers of Instruments
 Masumdar & Co.—Opp. Krishna Cinema, Tribhuvan Road,
 Bombay 4.

CHEMICAL ENGINEERING EQUIPMENT

C. Patel & Co.—70, Podar Chambers, Fort.
 Craftsman Electronic Corporation Ltd.—Navsari Building, 240,
 Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon,
 Bombay 10.
GREAT WESTERN ENGINEERING WORKS.—Sea View, 1st
 Pasta Lane, Colaba, Bombay 5. Phone: 36016. Grams:
 "GREWENWORK". Structural & Mechanical Engineers
 & Contractors.
KILBURN & CO., LTD.—Asian Building, Ballard Estate,
 Bombay. Phone: 31908. Grams: "TASCONIUM."
 National India Engineering Co. Ltd.—7-10, Elphinstone Circle, Fort.
 National Scientific Instruments Co.—257, Frere Road, Fort, Bombay.
 Pioneer Industries.—21, Forbes Street, P.O. Box No. 1909, Fort.
RAJ-DER-KAR & CO.—Commissariat Building, Hornby
 Road, Fort. For Research Industries. Phone: 27304.

Techno Industrial Co.—107, Sir Vithaldas Chambers, 16, Apollo
 Street, Fort.
 Thos. W. Ward (India) Ltd.—Marshall Building, Ballard Road,
 Ballard Estate, Fort.
 Western Manufacturing Co.—Hassan Chambers, Parsi Bazar Street,
 P.O. Box No. 1230, Fort, Bombay. Phone: 32284. Grams:
 "Westerwork".

CHEMICAL MANUFACTURERS

AHURA CHEMICAL PRODUCTS LTD.—84, Sion Road, Bom-
 bay 22. Manufacturers of Textile Sizing and Finishing
 Materials and General Chemical Products. Managing
 Director: S. M. Mistry. Phone: 61294.
ALEMBIC CHEMICAL WORKS CO., LTD., BARODA.
 Distributors in Bombay: Alembic Distributors, Ltd.,
 Lakshmi Building, Sir Phirozshah Mehta Road, Fort.
 Phone: 26605.
 Bengal Chemical & Pharmaceutical Works Ltd.—502, Cadell Road,
 Wail.
 Bock, F. & Co.—Shale Building, Bank Street, Fort.
BOMBAY-SEWREE CHEMICALS MANUFACTURING CO.
 LTD.—Manufacturers of Activated Fuller's Earth. Mana-
 ging Agents:—F. Bock & Co., P.O. Box 1288, Bombay.
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 Pioneer Chemical Laboratories.—41, Medows Street, Fort.
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 Pioneer Magnesia Works, Ltd. of Bombay & Kharaghoda—
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 Sanito-Pharma Chemical Laboratories.—Post Box No. 6707,
 Bombay 21.
 Stewart's Laboratories.—327, Hornby Road, Fort.
 Todi & Co.—Importers & Exporters, 41, Hanam Street, Fort,
 Bombay.
 Vika Chemical Works, The.—Works: Bhavani Shankar Road.
 Dadar, Bombay 14
 Western Chemical Industries.—Goregaon (East), Post Malad,
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Excelsior Finishing Products Co., Ltd.—21, Forbes Street, Fort.

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G. Umakant & Co.—107, Bazar Gate Street, Fort.

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ODHAVJI DEVIDAS & CO.—Importers and Stockists of all kinds of Fine and Heavy Chemicals, Acids, Textile Dyes and Sizing Materials. 357-A, Vakil Building, Samuel Street, Vadgadi, Bombay 3. Grams: "CHARGHODA." Phone (Office): 24690. (Residence): 61775.

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Union Chemical Agency.—231, Samuel Street, Vadgadi.

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Girdharlal, Bhavani Prasad.—Jai Hind Building No. 2, Bhulechwar, Bombay 2. Tel. Add. : "Tandaco."

Goolamally Hasanjee.—78, Sheriff Devjee Street, Bombay 3.

Grand Bazar.—25, Colaba Causeway, Bombay 1.

K. Metharam.—491-3, Kalbadevi Road.

K. Motilal & Co.—Sayee Building, 143, Princess Street, Bombay 2.

Kumar & Co.—37, Swadeshi Market, Kalbadevi Road.

Maganlal Haribhai Vyas.—418, Kalbadevi Road, Bombay 2.

Mahendra Kumar Manubhai & Co.—114, Swadeshi Market, Kalbadevi Road.

Maneklal G. Kapadia.—9-11, Swadeshi Market, Kalbadevi Road, Bombay No. 2.

Master Cloth Store.—5, Swadeshi Market, Kalbadevi Road, Bombay No. 2.

Mohanlal Tarachand & Co.—24-25, Swadeshi Market, Kalbadevi Road.

Morarji Vandrayan & Co.—Krishnaraj Chowk, Mulji Jetha Market, Bombay 2.

Mulchand Shyamal.—19, Swadeshi Market, Kalbadevi Road.

Nandram Jabarmal.—27, Swadeshi Market, Kalbadevi Road.

Farmanand Gorihandas & Co.—280, Carnac Road, Bombay 2.

Popular Sola Hat Works—Baria Building, opp. Crawford Market.

Prakash Store.—52-53, Swadeshi Market, Kalbadevi Road, Bombay No. 2.

Raja Furniture Mart—Foolchand Nivas, Chowpatty Sea Face, Bombay.

Rajasthan Trading Co.—Podar Chambers, Parsi Bazar Street, Fort.

Rastriya Swadeshi Bhandar.—50/51, Swadeshi Market, Kalbadevi Road, Bombay No. 2.

Sampat Stores.—28-30, Swadeshi Market, Kalbadevi Road.

Shahade Athavle Ltd.—Shahade Building, Lady Jamshedji Road, Dadar, Bombay 14.

Singham Bros. & Co. (India) Ltd.—P. O. Box 894, Bell Building, Sir Phiroozshah Mehta Road, Fort.

Sohani Brothers & Co.—Kale Building, Shilvaji Park Road 3, Dadar, Bombay 28.

SORABJI NOWROJI & CO.—16, Horniman Circle, Fort.

Surat Yarn Exchange Co.—Sayee Bhuvan, 143, Princess Street.

Thacker Rameschandra Ramdas.—14-15, Swadeshi Market, Kalbadevi Road.

Thakoral Chhotalal.—78, Swadeshi Market, Kalbadevi Road.

Todl & Co.—41, Hamam Street, Fort, Bombay.

Valla & Co.—Harganga Mahal, Tram Terminus, Dadar, Bombay 14.

Vensimal Bassarmal & Bros.—Near Kalbadevi P. O., New Silk Bazar, Bombay 2.

Vijay Ready Made Cloth Store.—59, Swadeshi Market, Kalbadevi Road, Bombay No. 2.

Yacob Ahmed Bros.—Topiwala Mansion, Mahomedally Road.

CLOTH MERCHANTS (WHOLESALE & RETAIL)

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Adarsha Vastralaya.—7/8, Swadeshi Market, Kalbadevi Road.

Ahmed Abdul Karim Bros. Ltd.—Karim Building, Mohamedally Road, Bombay 3.

Allabux, M., & Co.—110-112, Cawasji Patel Street, Fort.

Allied Exporters.—Kumud House, 267, Hornby Road, Fort.

Arvinda Trading Co., Ltd.—105, Apollo Street, Fort.

Asian Trading Corporation.—P. O. Box No. 1505, 20, Mangesh Street, Bombay.

Bajaj Brothers Ltd.—Round Building, Kalbadevi.

Bawa Parduman Singh & Sons.—Chandra Chowk, Mulji Jetha Market, Bombay No. 2.

Bombay Swadeshi Co-operative Stores Co., Ltd.—Western India Building, Sir Phiroozshah Mehta Road, Fort.

Calcutta Sola Hat Agency.—Dwarkanadas Building, Mangaldas Road.

Cawnpore Mills Depot.—Churchgate Street, Fort, Bombay No. 1.

Champaklal & Bros.—Sayee Bhuvan, 143, Princess Street, Bombay 2.

Chimanlal Mulchand & Co.—Waterloo Mansion, Mayo Road, Fort, Bombay.

"Crawfords."—280, Carnac Road, Bombay 2.

Dawood Hajeer Nasser & Co.—Maneckia Chambers, 1st Marine Street, Dhobi Talao.

Dilaj & Co.—20, Hamam Street, Fort.

CLOTHING IMPORTERS AND DEALERS (SECOND-HAND)

Asian Trading Corporation.—P. O. Box No. 1505, 20, Mangesh Street.

C. P. Doshi & Co.—Bombay Mutual Building, Hornby Road, Fort.

Hoosain, M. A., & Bros.—Lakshmi Building, Sir Phiroozshah Mehta Road, Fort.

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Kothari & Sons.—20, Noble Chambers, Parsi Bazar Street, Fort.

Todl & Co.—41, Hamam Street, Fort, Bombay.

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Bombay Uniform Clothing Co.—15, Borbhat Street, Girgaum.

Calcutta Sola Hat Agency.—Dwarkanadas Building, Mangaldas Road.

India Clothing Co.—Sreeji Bhuvan, Lohar Chawl, Bombay 2.

Indian Clothing Co.—Vithal Sayana Building, Lohar Chawl, Bombay 2.

Indian Uniform Clothing Co.—79, Meadows Street, Fort, Bombay.

Kamal Uniform Clothing Co.—35, Dawoodji Lane, Bhuleshwar.
 K. A. Singh & Co.—Government and Railway Contractors, Minthi
 Mansion, Sitla Devi Road, Mahim, Bombay 16.
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 Shree Krishna Trading Co., Ltd.—11, Ali Chambers, Tamarind Lane,
 Fort.

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Andrew Yule & Co., Ltd.—No. 32, Nicol Road, Ballard Estate.
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 Bhagwanlal P. Worah.—14, Hamam Street, Fort.
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 Girdharilal & Co.—48, Podar Chambers, Parsi Bazar Street, Fort.
 Govindjee Madhoojee & Co. Ltd.—Sir Vithaldas Chambers, 16
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CHANDULAL & CO.—Kathawalla, 11, Kazi Syed Street, Bombay 9. Grams: "CORDCOIR." Phone: 71298.
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Kalapi Colour Trading Co.—42, Dadysheth Aglary Lane, near G. T. High School, Bombay 2.
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Manubhai Shah & Co.—297, Samuel Street, Bombay 3.
Odhavji Devidas & Co.—357-A, Vakli Building, Samuel Street, Bombay 3.
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Manharlal, K., & Co.—19, Chinch Bunder.

Mohanal Motilal.—4th Floor, Yusuf Building, Mahatma Gandhi Road, Fort.

Mooljee Jaltha & Co.—185, Princess Street.

Mulraj G. Dungsarsy & Co., Ltd.—21, Forbes Street, Fort, Bombay 1.

Narandas Rajaram & Co., Ltd.—Navsari Chambers, Outram Road, Fort.

Narsee Nagsee & Co.—3, Chinch Bunder, Bombay 9.

Navnitlal Chunilal Shah.—37, Marwari Bazar, Bombay.

Pagnon & Co.—Rahimtoola House, Homji Street, Fort.

Pan Asiatic Overseas Co., Ltd.—Bell Building, Sir Phiroozshah Mehta Road, Fort.

Parmanand Maneklal & Co.—Maskati Mahal, Lohar Chawl.

Patel Bros.—6, Vir Nariman Road, Fort, Bombay.

Patel Cotton Co., Ltd.—6, Vir Nariman Road, Fort, Bombay.

Patel Cotton Co., Ltd., The.—New Cotton Depot, Sewree.

Pavri, J. K.—10, Karim Chambers, Hamam Street, Fort.

Podar Trading Co. Ltd.—Podar Chambers, Parsi Bazar Street, Fort.

Poddar & Co., A. M.—32, Rampart Row, Fort.

Premschand Trading Ltd.—7, Dhanji Street, Bombay 3.

Premji Haridas & Co.—Bhanushali Chambers, 168, Argyle Road, Bombay 9.

Pyarelal Gupta & Co.—207, Kalbadevi Road, Bombay 2.

Baghavji Kanji & Co.—Alli Chambers, Tamarind Lane, Fort.

Ramdas Khimji Bros.—Warden House, Sir Phiroozshah Mehta Road, Fort.

Ramkisanadas Sagarmal.—Kalyan Bhuvan, 854, Kalbadevi.

Ramasurp Gupta & Co.—705, Cotton Exchange, Kalbadevi Road, Bombay 2.

Ratansey K. Khona.—Noble Chambers, 116, Parsi Bazar Street, Fort, Bombay.

Raw Cotton Co. Ltd.—111, Mahatma Gandhi Road, Fort.

Robertson & Son, Edward T.—Lakshmi Building, Sir Phiroozshah Mehta Road, Fort, P. B. No. 306, Bombay.

Bodocanachi & Co.—Jiji House, 17, Ravelin Street, Fort.

R. Popatlal & Co.—17, Tara Mansion, opp. Rly. Station, Bombay 19.

Sant Ram & Sons Ltd.—77, Meadows Street, Fort.

Savalidas Madhavdas.—Kalbadevi Road, Bombay 2.

Sree Krishna Trading Co., Ltd.—11, Alli Chambers, Meadows Street, Fort.

Viram Ladha & Co.—288, Dongri Street, Mandvi.

Volkart Brothers.—19, Graham Road, Ballard Estate.

Bombay Dyeing & Manufacturing Co., Ltd. (Spring Mills).—Agents, Nowroji Wadia & Sons, Ltd., Neville House, Graham Road, Ballard Estate. Mills at Nalgum Road, Dadar. Spindles: 110,136 and Looms 3,224.

Bombay Dyeing & Manufacturing Co., Ltd. (Textile Mills).—Agents, Nowroji Wadia & Sons Ltd., Neville House, Graham Road, Ballard Estate. Mills at Elphinstone Road, Parel. Spindles: 71,986 and Looms 1,631.

Bradbury Mills, Ltd.—Agents, Ramnarain Sons, Ltd., Imperial Bank Annexe, Bank Street, Fort. Mills at Ripon Road, Jacob Circle. Spindles: 38,532 and Looms 860.

Century Spinning & Manufacturing Co., Ltd. (Century Mill) and Zenith Mill.—Queen's Mansion, Prescott Road, Fort. Mills at Junction of DeLisle Road and Elphinstone Road. Spindles: 109,820 and Looms 2,706.

Colaba Land & Mill Co., Ltd.—Mr. Director, Mr. V. J. Pliani. Office on Mill premises Mills at Victoria Bunder, Colaba. Spindles: 28,032 and Looms 698.

Colaba Land & Mill Co., Ltd. (Jehangir Wadia Mill).—Mr. Director, Mr. V. J. Pliani. Office on Mill premises. Mills at Victoria Bunder, Colaba. Spindles: 11,376.

Coorla Spinning & Weaving Co., Ltd.—Secretaries, Treasurers & Agents, Messrs. Cowasjee Jehangir & Co., Ltd., 23, Readymoney Mansion, Vir Nariman Road. Mills at Coorla. Spindles: 27,308 and Looms 680.

Crown Spinning & Manufacturing Co., Ltd. (formerly Dhun Mills).—Secretaries, Treasurers & Agents, Purshotam Vithaldas & Co., Sir Vithaldas Chambers, Apollo Street, Fort. Mills at New Parbhadevi Road, Parel. Spindles: 66,500 and Looms 1,106.

Dawn Mills Co., Ltd.—Agents, Ramnarain Sons Ltd., Imperial Bank Annexe, Bank Street, Fort. Mills at Fergusson Road, Lower Parel. Spindles: 38,304.

Dhanraj Mills, Ltd. (formerly Assur Virji Mills, Ltd.).—Agents, Ramgopal Ganpatral & Sons, Ltd. Office on Mill premises. Mills at Sun Mill Road, Lower Parel. Spindles: 37,060 and Looms 786.

Digvijaya Spinning & Weaving Co., Ltd. (formerly Dinshaw Pettit Mills).—Agents, Jethabhai Khatau & Co., Agencies Ltd. Office on Mill premises. Mills at Lalbaug, Parel. Spindles: 45,192 and Looms 1,177.

Edward Textiles, Ltd.—Agents, Puranmal Radhakishen & Co., Indu House, Dougall Road, Ballard Estate, Fort. Mills at Fergusson Road, Lower Parel. Spindles: 50,296 and Looms 928.

Elphinstone Spinning & Weaving Mills Co., Ltd.—Agents, Chidambaram Mulraj & Co., Ltd., Kamani Chambers, 32, Nicol Road, Ballard Estate, Bombay. Mills at Elphinstone Road, Parel. Spindles: 44,768 and Looms 886.

Finlay Mills, Ltd.—Agents, James Finlay & Co., Ltd., Chartered Bank Buildings, Fort. Mills at Government Gate Road, Parel. Spindles: 46,072 and Looms 784.

Gold Mohur Mills, Ltd.—Agents, James Finlay & Co., Ltd., Chartered Bank Building, Fort. Mills at Old Dadar Road, Dadar. Spindles: 40,232 and Looms 1,020.

Hind Mills Ltd. (formerly David Mills Co., Ltd.) (Mills Nos. 1 and 2).—Agents, Hind Agents Ltd., 15, Indu House, Dougall Road, Ballard Estate, Fort. Mills at Carroll Road, Parel. Spindles: 71,608 and Looms 1,259.

Hindcoastan Spinning & Weaving Mills Co., Ltd.—Agents, Thackersey Mooljee & Co., Sir Vithaldas Chambers, Apollo Street, Fort. Mills at Ripon Road, Jacob Circle. Spindles: 46,752 and Looms 1,022.

Hirjee Mills, Ltd. (formerly Frey, Mills Co., Ltd.).—Agents, J. R. Bhadani & Co., Ltd. Office on Mill premises. Mills at Fergusson Road, Lower Parel. Spindles: 47,524 and Looms 884.

Indian Manufacturing Co., Ltd.—Agents, Damodar Thackersey Mulji & Co., Sir Vithaldas Chambers, Apollo Street, Fort. Mills at Lamington Road, North, Jacob Circle. Spindles: 47,172 and Looms 1,191.

India United Mills, Ltd., Mill No. 1 (formerly Jacob Mill).—Agents, Agarwal & Co., Dougall Road, Ballard Estate, Fort. Mills at Suparibaug Road, Parel. Spindles: 96,760 and Looms 2,228.

India United Mills Ltd., Mill No. 2 (formerly Alexandra Mill).—Agents, Agarwal & Co., Dougall Road, Ballard Estate, Fort. Mills at Ghorupdeo Road, Chinchpoogly. Spindles: 85,880 and Looms 742.

India United Mills Ltd., Mills No. 3 (formerly E. D. Mill).—Agents, Agarwal & Co., Dougall Road, Ballard Estate, Fort. Mills at Ghorupdeo Road, Chinchpoogly. Spindles: 76,450 and Looms 762.

India United Mills, Ltd., Mill No. 4 (formerly Rachel Mill) (formerly Hongkong Mills).—Agents, Agarwal & Co., Dougall Road, Ballard Estate, Fort. Mills at Chinchpoogly Road, Kalachowki. Looms 1,872.

BOMBAY

COTTON MILLS

Apollo Mills, Ltd.—Agents, Rajputana Textiles (Agencies) Ltd., DeLisle Road, Chinchpokli. Spindles: 24,700 and Looms 898.

Beharilal Ramcharan Cotton Mills Ltd. (formerly Meyer Mills Ltd.).—Agents, Messrs. E. R. Sons, Empire House, Hornby Road, Bombay. Mills at Fergusson Road, Lower Parel. Spindles: 50,828 and Looms 1,021.

India United Mills, Ltd., Mill No. 5 (formerly Manchester Mill).—Agents, Agarwal & Co., Dougal Road, Ballard Estate, Fort. Mills at Chinchpoojy Cross Lane, Kalachowki. Spindles: 28,940 and Looms 684.

Jam Mfg. Co., Ltd., Mill No. 1.—Secretaries, Treasurers and Agents, Trikamdass Vandrayan & Co. Office on Mill premises. Mills at Lalbaug, Parel. Spindles: 30,940 and Looms 910.

Jam Mfg. Co., Ltd., Mill No. 2 (formerly Birla Mills, Ltd. No. 2).—Secretaries, Treasurers & Agents, Trikamdass Vandrayan & Co., Lal Baug, Parel. Mills at Sewri Road. Spindles: (burnt by fire) and Looms 574.

Jubilee Mills, Ltd.—Secretaries, Treasurers and Agents, Chamanlal Mehta & Co. Ltd., Neptune Building, Apollo Street, Fort. Mills at New Sewree Road. Spindles: 34,008 and Looms 748.

Kamala Mills, Ltd. (formerly Ebrahimbhoy Pabany Mills).—M. L. Tapuria, Esq., Director. Office: Kilachand Devchand Building, Apollo Street, Fort. Mills at Tulsi Pipe Road, off DeLisle Road. Spindles: 42,864 and Looms 1,055.

Khatau Makanji Spinning & Weaving Co., Ltd.—Agents, Khatau Makanji & Co., Ltd., Laxmi Buildings, 6, Ballard Pier, Fort. Mills at Haines Road, Byculla. Spindles: 77,404 and Looms 1,517.

Kohinoor Mills Co., Ltd., Mill Nos. 1, 2 & 3.—Agents, Killick Industries, Ltd., Killick Building, Home Street, Fort. Two Mills at Nalgau Cross Road, Dadar, and third at Lady Jamshedji Road, Dadar. Spindles: 111,464 and Looms 1,846.

Modern Mills, Ltd., Mill No. 1 (formerly Mysore Spinning & Manufacturing Co., Ltd. No. 2).—Agents, N. Sirur & Co., Ltd., Temple Bar Building, 70, Forbes Street, Fort. Mills at Elphinstone Road, Parel. Spindles: 25,500.

Modern Mills, Ltd., Mill No. 2 (formerly Bomanji Petit Mills).—Agents, N. Sirur & Co., Ltd., Temple Bar Building, 70, Forbes Street. Mills at Mahaluxmi. Spindles: 19,944 and Looms 644.

Moon Mills, Ltd.—Agents, Asiatic Textile Co., Ltd., General Assurance Building, Hornby Road, Fort. Mills at Sewree New Road. Spindles: (burnt by fire). Looms 875.

Morarjee Goculdas Spinning & Weaving Co., Ltd.—Agents, Messrs. Piramal Gongalar. Office on Mill premises. Mills at Suparibaug Road, Parel. Spindles: 60,652 and Looms 1,650.

New China Mills, Ltd. (formerly China Mill).—Managing Director, Navinchandra Mafatlal, 29, Vir Nariman Road, Fort. Mills at Sewree. Spindles: 42,792 and Looms 776.

New City of Bombay Manufacturing Co., Ltd.—Agents, W. H. Brady & Co., Ltd., Royal Insurance Building, 12-14, Vir Nariman Road, Fort. Mills at Albert Road, Chinchpoojy. Spindles: 45,944 and Looms 432.

New Great Eastern Spinning & Weaving Co., Ltd.—Agents, W. H. Brady & Co., Ltd., Royal Insurance Building, 12-14, Vir Nariman Road. Mills at Victoria Gardens Road, Chinchpoojy. Spindles: 48,395 and Looms 1,018.

New Kaiser-I-Hind Spinning & Weaving Co., Ltd.—Lala Kallashpat Singhania, Director-in-Charge, J. K. Building, Dougal Road, Ballard Estate, Bombay. Mills at Gorupdeo Road, Chinchpoojy. Spindles: 54,052 and Looms 1,262.

New Pralhad Mills (formerly Planet Mills).—Proprietors, Amrit Banaspati Co., Ltd., East and West Building, Apollo Street, Fort. Mills at Ferguson Road, Lower Parel. Spindles: 40,848 and Looms 998.

New Sun Mill Co., Ltd.—Karunashankar Punjaram & Bhupatnal Karunashankar, Mg. Directors, 64/66, Chackia Street, Bombay No. 3. Mills at Sun Mill Road, Lower Parel. (Completely Burnt).

New Union Mills, Ltd.—Agents, Mafatlal Chandulal & Co. (Bombay), Ltd., 127, Mahatma Gandhi Road, Fort. Mills at Lower Parel. Spindles: 33,720 and Looms 873.

Phoenix Mills, Ltd. (formerly Britannia Mills).—Agents, Ramnarain Sons, Ltd., Imperial Bank Annex, Bank Street, Fort. Mills at Haines Road, Mahaluxmi. Spindles: 54,208 and Looms 1,100.

Podar Mills, Ltd. (formerly Toyo Podar Cotton Mills, Ltd.).—Agents, Podar Sons Ltd., Podar Chambers, Parsee Bazar Street. Mills at DeLisle Road. Spindles: 32,600 and Looms 930.

Prakash Cotton Mills Ltd. (formerly Sekaria Cotton Mill No. 2).—Agents, Sekaria Industries Ltd., Sekaria Chambers, 139, Meadows Street, Fort. Mill at DeLisle Road. Spindles: 26,024 and Looms 486.

Raghuvanshi Mills, Ltd. (formerly Kilachand Mills, Ltd.).—Agents, Ravindra Maganlal & Co., Ltd. Office on Mill premises. Mills at Haines Road, Mahaluxmi. Spindles: 33,160 and Looms 197.

Ruby Mills, Ltd. (formerly Sorab Mills).—Agents, Chunilal Jeewandas & Co. Office: 49-55, Apollo Street, Fort. Mills at Woolen Mill Gully, Lady Jamshedji Road, Dadar. Spindles: 20,376 and Looms 430.

Sassoon Spinning & Weaving Co., Ltd.—Agents, M. G. Investment Corporation Ltd., 127, Mahatma Gandhi Road, Fort. Mills at Mount Estate, Masagon. Spindles: 60,240 and Looms 1,254.

Sekaria Cotton Mills, Ltd., Mill Nos. 1 & 1A (formerly Currimbhoy and Mohamedbhoy Mills).—Agents, Govindram Bros., Ltd., 139, Meadows Street, Fort. Mills at DeLisle Road. Spindles: 72,796 and Looms 1,093.

Shree Madhav Mills Ltd. (formerly Madhavji Dharamsi Mfg. Co., Ltd.).—Agents, Purnamal Radhakishan & Co., Indu House, Dougal Road, Ballard Estate, mills at Foras Road. Spindles: 39,112 and Looms 838.

Shree Madhusudan Mills.—Proprietors, Messrs. Hall & Anderson Ltd. Resident Directors: Seth Bohanlal Jajodia, Seth Nandkishore Bajoria. Office on Mill premises. Mills at Globe Mills Passage, DeLisle Road, Bombay 13. Spindles: 61,516 and Looms 1,742.

Shree Nivas Cotton Mills, Ltd. (formerly Fazulbhoy Mills, Ltd.).—Agents, The Marwar Textiles (Agency), Ltd. Shreenivas House, Waudby Road, Fort, Bombay. Mills at DeLisle Road. Spindles: 66,452 and Looms 1,640.

Shree Ram Mills, Ltd. (formerly Crescent Mills, Ltd.).—Agents, Bhogilal Menghraj & Co., Ltd. Office on Mill premises. Mills at Worli. Spindles: 64,140 and Looms 950.

Shree Sitaram Mills Ltd. (formerly Sir Shapurji Broacha Mills, Ltd.).—Mg. Agents, More & Co., Ltd., 15A, Elphinstone Circle, Fort. Mills at DeLisle Road. Spindles: 67,400 and Looms 1,012.

Simplex Mills Company, Ltd.—Agents, Forbes, Forbes Campbell & Co., Ltd., Forbes Building, Home Street, Fort. Mills at Clerk Road, Jacob Circle, Byculla. Spindles: 36,116 and Looms 1,276.

Standard Mills Co., Ltd.—Agents, Mafatlal Gagalbhai & Sons, Ruatom Building, 29, Veer Nariman Road, Fort. Mills at Parbhadevi Road, Lower Parel. Spindles: 53,892 and Looms 1,633.

Svadeshi Mills Co., Ltd.—Agents, Tata Industries, Ltd., Bombay House, 24, Bruce Street, Fort. Mills at Kuria. Spindles: 65,040 and Looms 2,000.

Swan Mills, Ltd.—Agents, James Finlay & Co., Ltd., Chartered Bank Buildings, Hornby Road, Fort. Mills at New Sewree Road. Spindles: 35,804 and Looms 552.

Tata Mills, Ltd.—Agents, Tata Industries, Ltd., Bombay House, 24, Bruce Street, Fort. Mills at Dadar Road. Spindles: 63,218 and Looms 1,800.

Victoria Mills Ltd. (formerly Satya Mill, Ltd.).—Agents, Mangaldas Mehta & Co., Ltd., Neptune Bldg., Apollo Street, Fort. Mills at DeLisle Road, Parel. Spindles: 50,050 and Looms 958.

Western India Spinning & Manufacturing Co., Ltd.—Agents, Thackersey Moolji Sons & Co., Sir Vithaldas Chambers, Apollo Street, Fort. Mills at Kalachowki Road, Chinchpoojy. Spindles: 45,888 and Looms 1,176.

Total 65 Mills; 2,020,509 Spindles; 65,370 Looms.

COTTON PIECEGOODS EXPORTERS

Ahmed Abdul Karim Bros., Ltd.—Karim Building, Mohamedali Road.

Ahmed Ebrahim Bros.—38, Chackia Street, Bombay 3.

Allied Exporters.—Kumud House, 267, Hornby Road, Fort.

Arvinda Trading Co., Ltd.—105, Apollo Street, Fort.

Asian Trading Corporation.—P. O. Box No. 1505, 20, Mangesh Street, Fort, Bombay.

Askay & Co. Ltd.—Great Social Building, Sir Phirozshah Mehta Road, Fort, Bombay.

Bajaj Brothers Ltd.—Round Building, Kalbadevi Road, Bombay 2.

Banwarilal & Co. Ltd.—Queen's Mansion, Bastion Road, Fort.

Beardell, W. A., & Co., Ltd.—15-16, Sir Phirozshah Mehta Road, Fort.

Begraj Gupta & Co.—Niru Villa, 387, Linking Road, Khar.

Bhagwandas Chatrabhuj & Co.—20, Hamam Street, Fort.

Bhimjee & Co. Ltd.—11, Elphinstone Circle, Fort.

Blascheck, H., & Co.—Opp. Hongkong Bank, 44, Cawasji Patel Street, Fort.

Bulchand, Co., L.—Moos Building, 510, Kalbadevi Road.

CAWASJI MANCHERJI KAPADIA & SONS.—241-43, Shaikh Memon Street, Post Kalbadevi.

Central Machine Tools Agency.—43, Nagdevi Cross Lane, Bombay 3.

Central Trading Co.—81, Cawasji Patel Street, Fort.

Chellsons Ltd.—Gazder House, Dhobi Talao, Bombay 2.

Chimanlal Patel & Co.—174, Hornby Road, Fort.

Chinoobhai & Bros., Ltd.—Churchgate House, Churchgate Street, Fort.

Dadani Silk Store.—24, Lansdowne Road, near Regal Cinema, Apollo Bunder.

Dawood Haje Nasser & Co.—Maneckia Chambers, 1st Marine Street, Dhobi Talao.

Devidas Mulji Kapadia.—Yusuf Building, Hornby Road, Fort.

Dilaj & Co.—20, Hammam Street, Fort.

Dinanath Sons.—466, Kalbadevi Road, Bombay 2.

Domblon Products.—Saheb Building, 195, Hornby Road, Fort, Bombay 1.

D. Ram & Co.—Krishna Nivas, New Silk Bazar, P.O. Box 2376, Bombay 2. Grams: "SADHU." Sole Prop.: Dayaram Sadhumal, M.A.

Dodsal Limited.—31, Murzban Road, Fort, Bombay.

East & West Associates, Ltd.—36, Yusuf Building, Churchgate Street, Fort, Bombay.

Eastern Import & Export Co., The.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.

G. RAMCHAND.—521, Kalbadevi Road, Opp. Edward Cinema, P.O. Box 2341. Phone: 34097. Grams: "BROADLAND."

Gore & Co.—Great Social Building, Sir Phirozshah Mehta Road, Fort.

Govla (India) Ltd.—Bombay Mutual Building, Hornby Road, Fort.

Grand Bazar.—25, Colaba Causeway, Bombay 1.

Gulam Rasul Allahbux.—1-B, Bachoo Ali House, Nowroji Hill Road No. 1, Bombay 9.

Haji Ahmed Husan & Co.—Topiwala Mansion, Mohamedally Road, Bombay 3.

Haneef, S. M., & Co.—Bachooali House, Hajee Bachooali Road, Bombay No. 2.

Harilal Manilal & Co.—346, Kalbadevi Road, Bombay 2.

Hassaram, K. & Co.—New Silk Bazar, Kalbadevi Road.

Hazarat & Co.—People's Building, Sir Phirozshah Mehta Road, Fort.

Himatlal Manilal & Sons.—346, Kalbadevi Road, Bombay 2.

Hind Trading Co.—All Chambers, 78-80, Tamarind Lane, Fort.

Hindustan Export & Import Corp., Ltd.—Albert Building, Hornby Road, Fort.

Hossein, M. A., & Bros.—Lakshmi Building, Sir Phirozshah Mehta Road, Fort.

H. V. M. MOOSA MOTIWALLA & SONS LTD.—91, Mohamedali Road, Rangoonwalla Building, Bombay 3. Exporters of Cotton Piecegoods and Yarn of all kinds of textile goods.

India Textile Agencies.—Noble Chambers, Parsi Bazar Street, Fort.

INDIAN ART MUSEUM LTD.—Carnac Bridge, Bombay 3. Phone: 20726. Grams: "INDARTMUSE."

International United Trading Corporation.—80-90, Lohar Chawl, Bombay 2.

Italindia Cotton Co., Ltd.—71-73, Apollo Street, Fort.

Jamnadas Nanjee Mangrolwalla.—83-85, Bazaar Gate Street, Fort.

Jassawala & Co.—R. M., 105, Apollo House, Apollo Street, Fort.

J. A. Thadani & Co.—People's Building, Sir Phirozshah Mehta Road, Fort.

JAYANT TRADING CO.—Sir Vithaldas Chambers, Apollo Street, Fort. Exporters & Importers. Phone: 31118. Grams: "BEACHEWAY."

Jesanglal V. Shah.—Dwarakesh Gully, 1st Floor, Mulji Jetha Market, Bombay 2.

KANTILAL SANGHEVI & CO.—Mherwan Building, Sir Phirozshah Mehta Road, Fort. Phone Nos. 34261, 28185. Grams: "EXPIM."

Kapadia Trading Co.—Botawalla Building, New Silk Bazar, Kalbadevi Road.

KESHAVAL TALAKCHAND.—30, Manordas Street, Bazargate, Fort. Branches at Ahmedabad, Calcutta, Coimbatore, Madras. Associates at London, Manchester, Aden and Addis Ababa.

KIDARNATH KISHANCHAND.—106, Meadows Street, Fort, Bombay. P. O. Box No. 1579. Phone: 34713. Grams: "SHURBIR."

Kimatrai & Co., G.—New Silk Bazar, Bomanji Master Road, Bombay 2.

Kishinchand Chellaram.—Guzder House, Dhobi Talao.

Kotak & Co.—Menkwa Building, Outram Road, Fort.

Kotecha & Co.—Commissariat Building, 231, Hornby Road, Fort.

K. Metharam.—491-3, Kalbadevi Road.

Krishna Corporation (Bombay) Ltd.—Nanjee Building, 17-B, Elphinstone Circle, Fort.

Majid & Co.—Karim Building, 56, Mohamedally Road.

Mansukhlal Kantilal & Co.—Mulji Jetha Building, 185, Princess Street, Bombay 2.

Maskati, A. E.—Maskati House, Mohamedali Road, Bombay.

Mata Lachmi Company.—Huseni Chambers, Nanabhai Lane, Fort.

Motiwalla & Sons, Ltd., H. V. M. Moosa.—91, Mohamedali Road, Rangoonwalla Building, Bombay 3.

Mulraj G. Dungarsey & Co., Ltd.—21, Forbes Street, Fort, Bombay 1.

Narandas Rajaram & Co., Ltd.—Navsari Chambers, Outram Road, Fort.

N. M. Brothers & Co.—Shreeji Bhuvan, Lohar Chawl, Post Box No. 2163, Bombay.

Patell, P. R., & Co., Ltd.—Mherwan Building, Sir Phirozshah Mehta Road, Fort.

Pavri, J. K.—10, Karim Chambers, Hammam Street, Fort.

Podar Trading Co., Ltd.—Podar Chambers, Parsi Bazar Street, Fort.

Poonjajee J. M. Jehanjir, J. P.,—Byramji Mansion, Sir Phirozshah Mehta Road, Fort, Bombay

P. Prabhulal & Co., Ltd.—Whiteaway Laidlaw Building, Hornby Road, Fort.

Randas Khinji Bros.—Warden House, Sir Phirozshah Mehta Road, Fort.

Ramjee Samjee Virani (India) Ltd.—185, Bazargate Street, Fort.

Ratansey K. Khona.—Noble Chambers, 116, Parsi Bazar Street, Fort, Bombay.

Ramchand Amburam.—Above Govind Chowk, M. J. Market, Bombay 2.

R. M. Bulakhidas.—Vithaldas Road, Bombay 2.

Rowe & Rowe.—381, Hornby Road, Fort.

Sahny Commercial Co.—Queen's Mansions, Bastion Road, Fort.

Seabee Export Import Co.—9, Waudby Road, Fort. Phone: 34673.

Shree Krishna Trading Co., Ltd.—11, All Chambers, Meadows Street, Fort.

Singham Bros. & Co. (India) Ltd.—P. O. Box 894, Bell Building, Sir Phirozshah Mehta Road, Fort.

Steel Brothers & Co., Ltd.—Allahabad Bank Building, Apollo Street, Fort.

SUBODHECHANDRA POPATLAL (Estd. 1915).—Exporters & Importers, 223-25, Sheikh Memon Street, Bombay 2. Grams: "NAYAN." Phones: 30624, 20645 (Office) & 32220 (Residence).

Sudan Trading Corporation—Dhan-Nur, Sir Phirozshah Mehta Road, Fort.

S. Manubhai & Co.—Albert Building, 346, Hornby Road, Fort.

Tarachand Parsram.—Court House, Carnac Road, Bombay 2.

TARASINGH HARBINDERSINGH.—Kitab Mahal, Hornby Road, Bombay 1. Phone: 28356.

Tavaria Brothers.—Dhan-Nur, Sir Phirozshah Mehta Road, Fort.

Todi & Co.—41, Hammam Street, Fort, Bombay.

Trading Co., L. R.—Navsari Chambers, opp. Lloyds Bank, Fort.

TRANS-UNION COMMERCIAL CORPORATION LTD.—Prospect Chambers Annexe, 319, Hornby Road, Fort. Grams: "TRANSMETER." Phone: 26710.

Tulsidas V. Patel.—Morarji Goculdas Market, Kalbadevi Road, Bombay 2.

T. Vrajilal & Co.—16, Bell Building, Sir Phirozshah Mehta Road, Fort.

Utoomal & Assudamal Co.—Bombay Mutual Annexe, Gunbow Street, Fort.

Valibhai Kurnuddin.—101, Abdul Behman Street, Bombay 3.

Velji Kalidas & Sons.—90-92, Khand Bazar, Mandvi, Bombay 3.

Vimala.—106, Meadows Street, Fort.

Yacoub Ahmed Brothers. (ESTD. 1895).—Topiwala Mansion, Mohamedali Road.

Y. K. Sampat & Co.—382-84, Katha Bazar, Bombay 9.

Yarn Trading Co.—95, Tamba Kanta, Bombay.

COTTON PIECEGOODS IMPORTERS

MAHENDRALAL, B.—Muljee Jetha Market, Dwarakesh Gully, Bombay 2. Cotton, Woollen and Art Silk and Piece goods Merchants and Importers.

COTTON AND YARN MERCHANTS

Ahmed Abdul Karim Bros., Ltd.—Karim Building, Mohamedali Road.

Amersy & Sons.—Feltham House, Ballard Estate.

Askey & Co. Ltd.—Great Social Building, Sir Phirozshah Mehta Road, Fort, Bombay.

Associated Services, Ltd.—All Chambers, Medows Street, Fort.
 Bachraj & Co., Ltd.—Jehangir Wadia Building, 51, Mahatma Gandhi Road, Fort.
 Bhalidas Cursondas & Co.—Sir Vithaldas Chambers, 16, Apollo Street, Fort.
 Bhalidas Mawji & Co., Ltd.—Neptune Building, 166, Hornby Road, Fort.
 Bombay Co., Ltd.—9, Wallace Street, Fort.
 Bombay Import & Export Agency.—Cama House, opp. Lloyds Bank, Hornby Road, Fort.
 Breul & Co.—Taj Building, Hornby Road, Fort.
 Champaklal R. Sheth.—Khetwadi 9th Lane, Bombay 4.
 Chimanlal Mohanlal & Co.—Hanuman Building, Tamba Kanta, Pydhownie
 Chhribhai Madhowlal & Co.—Noble Chambers, Parsi Bazar Street, Fort.
 Drennan & Co.—Neville House, Currimbhoy Road, Ballard Estate.
 Finlay, James, & Co., Ltd.—Mahatma Gandhi Road, Fort.
 Gannon Dunkerley & Co., Ltd.—Chartered Bank Building, Mahatma Gandhi Road, Fort.
 Gill & Co.—E. D. Sassoon Building, Dougall Road, Ballard Estate.
 Goculdass Dossa & Co.—55, Apollo Street, Fort.
 Greaves Cotton Co., Ltd.—1, Forbes Street, Fort.
 Haji Jiva Haji Khamisa & Co.—119-139, Tamba Kanta, Mumbaievi Road.
 Hansraj Harji & Sons.—118, Kansara Chawl.
 Hirji Nensey & Co.—Horniman Circle, Fort.
 Jassawalla, R. M., & Co.—105, Apollo Street, Fort.
 Jaybharat Yarn Trading Co.—77, Tamba Kanta, Bombay 3.
 Jaykumar & Co.—Prospect Chambers Annexe, 317/321, Hornby Road, Fort.
 Kanji Shivji & Co.—Cotton Exchange, Sewree.
 Khimji Vlsam & Sons.—Kitab Mahal, Hornby Road, Fort.
 Kilachand Devchand & Co., Ltd.—45/47, Apollo Street, Fort.
 Kishinchand Chellaram.—Guzdar House, Dhobi Talao.
 Kooverjee V. Curumsey & Co.—Lentin Chambers, Dalal Street, Fort.
KOTAK & CO.—Navsari Building, Hornby Road, Fort.
 Grams: "KOTAKANDCO." Phone Nos. 23182 and 24046.
 Lalji Ramji & Co.—17, Chinch Bunder, Mandvi.
 Louis Dreyfus & Co.—Nicol Road, Ballard Estate.
 Madhavdas Amersey & Co.—Oriental Building, Mahatma Gandhi Road.
 Majid & Co.—Karim Building, 56, Mahomedally Road.
 Motabhooy Gulabdas & Co.—Mubarak Manzil, 104, Apollo Street, Fort.
 Nanji V. Dossa & Co.—Jan Mansion, Sir Phirozshah Mehta Road.
 Pan-Asiatic Overseas Co., Ltd.—19, Sir Phirozshah Mehta Road.
 Pan-India Overseas Co.—Gandhi Mansion, New Silk Bazar, Bombay 2. Phone: 93696. Grams: "Pinsutra". Exporters of Cotton Yarn of all Counts & Types to various markets.
 Patel Brothers.—Elphinstone Building, 10, Churchgate Street, Fort.
 Patel Cotton Co., Ltd., The.—New Cotton Depot, Sewree.
 Patuck Sons & Co.—Isamall Building, Hornby Road, Fort.
 Pavri, J. K.—10, Karim Chambers, Hamam Street, Fort.
 Pavri Sons & Co.—95-97, Bazargate Street, Fort.
 Raghavji Kanji & Co.—116, New Chinch Bunder Road.
 Ralli Brothers, Ltd.—21, Ravella Street, Fort.
 Ramkandas Sagarmal.—Kalyan Bhuvan, 354, Kalbadevi Road.
 Ratilal Dayabhai Shah.—Tambakanta, Pydhownie, Bombay 3.
 Robertson & Son, Edward T.—Lakshmi Building, Sir Phirozshah Mehta Road, Fort.
 Sankalchand G. Shah & Co.—Hanuman Building, Tamba Kanta.
 Sapt Textile Products (India) Ltd.—J. K. Building, Dougall Road, Ballard Estate.
 Sarabhai & Sons.—Prospect Chambers, Hornby Road, Fort.
 Sarupchand Prithiraj & Co.—401, Cotton Exchange Building, Kalbadevi Road.
 Sassoon, David & Co., Ltd.—Maneckji Wadia Building, 125, Mahatma Gandhi Road, Fort.
 Sassoon, E. D. & Co., Ltd.—E. D. Sassoon Building, Dougall Road, Ballard Estate.
 Sewaram Girdharilal.—354, Kalbadevi Road.
 Shewakram & Sons, K.—Next to Kalbadevi Post Office, P. O. Box 2344, Bombay.
 Spinner, E., & Co.—8, Tamarind Lane, Fort.
 Suleman & Co., Ltd.—27, Kolsa Moholla.
 Todl & Co.—41, Hamam Street, Fort.

Vadilal Dolatram & Sons.—14, Hanuman Building, Tamba Kanta Pydhownie.
 Virji Ladha & Co.—19, Chinch Bunder.
 Yarn Trading Co.—95, Tamba Kanta, Bombay 2.

COTTON WASTE

Adamji Lookmanji & Co.—Rahimtools House, Homji Street, Fort.
 Arvinda Trading Co.—105, Apollo Street, Fort.
 Asian Trades & Industries.—Post Box 3113, Bombay 3.
 Asian Trading Corporation.—P. O. Box No. 1505, 20, Mangesh Street, Fort, Bombay.
 Bajaj Brothers Ltd.—Round Building, Kalbadevi Road, Bombay 2.
 Brady, W. H. & Co., Ltd.—Churchgate Street, Fort.
CHUNILAL & CO.—100, Old Hanuman Lane, Bombay 2.
 Grams: "COTONWASTE." Exporters of Cotton Waste, Yarn Waste, Cleaning Waste.
 Govias (India) Ltd.—Bombay Mutual Building, Hornby Road, Fort.
 Hardacre & Co., J.—Himalaya House, Paltan Road, Bombay 1.
 India Textile Agency.—Noble Chambers, Parsi Bazar Street, Fort.
 International United Trading Corporation.—80-90, Lohar Chawl.
 Jashwantlal Maneklal & Co.—40, Churchgate Street, Fort.
 Jehangir J. M. Poonjiajee.—Sir Phirozshah Mehta Road, Fort.
 Kotecha & Co.—Commissariat Building, 231, Hornby Road, Fort.
 National Hardware & Stores Supply Co.—Post Box 3146, Bombay 3.
 Ramanlal Chhotalal Shah—21, Bazargate Street, Bombay 1.
SAPT TEXTILE PRODUCTS (INDIA) LTD.—Sapt Building, Graham Road, Ballard Estate.
 Velji Kalidas & Sons.—90-92, Khand Bazar, Mandvi, Bombay 3.

COWBAZAOR (GALLSTONE) EXPORTERS

Ebrahim Manji & Co.—49, Pydhownie Road, Khadak, Bombay 9.
 Hashambhooy Alloo Mahomed & Son.—231, Nishanpada Road, Khadak, Bombay 9.

CROCKERY

All India Trading Corporation.—25, Bank Street, Fort. Grams: "Autoglass." Agents for Palsa Fund Pottery Products.
 Alladin Dhanji.—Vithal Sayana Building, Lohar Chawl.
 Asian Trading Corporation.—P. O. Box No. 1505, 20, Mangesh Street.
 Bombay Potteries & Tile Ltd.—Pipe Road, Kuria, Bombay.
 C. Abdul Rahim & Co.—151, Chukka Street.
 Caprihans (India) Ltd.—Jannabhoomi Chambers, Fort Street.
 Currimbhoy, L. & Co.—156, Chakla Street, Bombay 3. Phone: 24890. Glassware, Crockery, Enamelware, Cutlery, Lampware dealers.
 Dawood Hafee Nasser & Co.—1st Marine Street, Dhobi Talao.
 Evans Fraser & Co. (India) Ltd.—Fort House, Hornby Road, Fort.
 Express Corporation.—Sir Phirozshah Mehta Road, Fort.
 General Import Co. (India).—Heera Building, 1st Floor, 174, Carnac Road, Bombay 2.
 Gulam Rasul Allahbux.—Nowroji Hill Road No. 1, Bombay No. 9.
HAMIR JAMEL & COMPANY.—Importers, Wholesale and Retail Dealers and Order Suppliers in Glassware, Domestic Hardware, Crockery, Cutlery, Platedware, Fancy goods and Household articles. Showroom: 14-16, Lohar Chawl, Bombay 2. Phone No. 34763. Grams: "CRITERION."
 Indo-International Commercial Corporation.—Lalgar Chambers, Tamarind Lane, Fort.
 Kanthawala, N. & Co.—77, Medows Street, Fort.
 Kothari & Sons.—20, Noble Chambers, Parsi Bazar Street, Fort.
 Lachhwani & Co.—19, Hamam Street, Fort.
 Majani Bros.—84, Mahomedally Road, Bombay 3.
 Moosa Omer & Co.—Junction of Mahomedally Road & Carnac Road.
 Natwar Trading Co.—395, Kalbadevi Road, Bombay 2.
 Saffy Glass Palace.—Ebrahim Building, Mahomedally Road.
 Shivji, K. S., & Co.—144/146, Chakla Street, Bombay 3.
 Swadeshi Glass Works Depot.—25, Bank Street, Fort.
 United Glass Works.—111, Bhandari Chakla Street, Bombay 3.
 Whiteaway Laidlaw & Co. Ltd.—Whiteaway Building, Hornby Road, Fort.

CRUCIBLES MANUFACTURERS

Choksi Brothers —315, Sandhurst Road, Bombay 4.
 K. B. Gandhi & Co.—277, Sandhurst Road, Bombay 4.
P. RATILAL & CO.—43, Dhanji Street, Bombay 3.

CULTURED PEARL MERCHANTS

Patwardhan Jewellers Ltd. Ramkishna Nivas, 1st Floor, N. C. Kelkar Road, Dadar, Bombay 14.

CURIO DEALERS

Bombay Steel Corporation.—241, Kumbharwada, opp. 2nd Sutar Lane.
 Cheoker Brothers.—Coronation Building, Gunbow Street, Fort.
 Chellaram, D.—Dhun-Nur, Sir Phirozshah Mehta Road, Fort.
 Chinese Museum.—Radio House, Apollo Pier Road, Fort.
"DECORA" RAVAIL TILES & MARBLE LTD.—Edena, 97-A, Queen's Road. Phone: 34310.
 D. Ram & Co.—Krishna Nivas, New Silk Bazar, P. O. Box 2376, Bombay 2 Grams: "SADIHU." Sole Prop.:—Dayaram Sadhumal, M. A.
 Eclipse Jewellery & Curio.—Next to Regal Cinema, Museum.
 Grand Bazar.—25, Colaba Causeway, Bombay 1.
 Hindustan Fabrics and Stores Ltd.—Foolchand Nivas, Chowpatty Sea Face, Bombay 7.
 Hotchand Motulal.—331, Hornby Road, Fort.
INDIAN ART MUSEUM LTD.—Carnac Bridge, Bombay 3. Phone: 20726. Grams: "INDARTMUSE."
INDIAN ARTS EMPORIUM.—Bombay Mutual Annexe, 2-C, Cawasji Patel Street, P.O. Box No. 1716, Fort, Bombay.
 Indian Industries Palace.—38, Carnac Bridge.
 Japanese Museum, The.—22 B, Apollo Street, Fort.
 Luxmi Store.—100-101, Swadeshi Market, Kalbadevi Road, Bombay 2.
 Maganlal N. Maniar.—63, 3rd Bhoiwada, Bombay 2.
 M. Daldas & Sons.—100, Princess Street.
 Pohoomull Bros. (India).—Bomanji Master Road, Bombay 2.
 Purnam, U. N.—Standard Building, 336, Hornby Road, Fort.
 Salemahomed Padamsee & Co.—141, Chukla Street, Bombay 3.
 Sharda Stores.—104-106, Swadeshi Market, Kalbadevi Road.
 Singham Bros. & Co. (India) Ltd.—P. O. Box 894, Bell Building, Sir Phirozshah Mehta Road, Fort.
 Sobhagya Kankan Store.—27/A, Swadeshi Market, Kalbadevi Road.
 Wadhwaney Bros. (India).—172/74, Hornby Road, Fort.

CUTLERY MERCHANTS

A. Hassanally.—F-90, Mahomedally Road, Bombay 3.
ABDULKARIM, M. K.—215, Cutlery Bazar, Bombay 3. Phone No. 32268. Grams: "TAUFIQ."
 Abdulkayum Esutally & Bros.—193, Abdul Rehman Street.
 Alladin Dhanji.—Vithal Seyana Building, Lohar Chawl.
 Amichand Lawjee.—66-68, Chakla Street, Bombay 3.
 Aalan Trading Corporation.—P. O. Box No. 1505, 20, Mangesh Street, Fort.
 Bashir, S. M., & Bros.—Bachooali House, Haji Bachooali Road.
 Bhatnagar, K. B. L.—Kumud House, 267, Hornby Road, Fort.
 Bombay Importing Agency.—75, Sarang Street, Bombay 3.
 Dawood Hajes Naasser & Co.—1st Marine Street, Dhobi Talao.
 Devidas Nandlal & Co.—241, Abdul Rehman Street, Bombay 3.
 Eastern Trading Co.—Mahakali Chawl, Pydhownie, Bombay 3.
EBRAHIM ALLIBHOY & SONS (Estd. 1934).—280-84, Abdul Rehman Street, Bombay 3. Phone: 33463. Importers and Exporters of Cutlery, Rubber and Plastic Toys, Imitation Jewellery, Presentation Articles and Novelities.
 Esmail, M.—Esmail Building, Sutar Chawl, Bombay 2.
 Esmail Tarmohamed & Bros.—222, Cutlery Bazar.
 Essoofally Rahimbhoy.—205, Cutlery Bazar, Bombay 3. Dealers in Cutlery and Fishing Accessories.
 Gazdar, F. K. N.—581, Jam-e-Jamshed Road, Matunga, Bombay 10.
 General Import Co. (India).—Heera Building, 1st Floor, 174, Carnac Road, Bombay 2.
 Grand Bazar.—25, Colaba Causeway, Bombay 1.
 Gulam Rasul Allahbux.—1-B, Bachooali House, Bombay 9.
 Gulamhussein M. Hassanali.—85/1, Sarang Street, Bombay 2.
 Haji Ahmed Mohamed & Co.—219, Cutlery Bazar.
 Hamir Jamal & Co.—Showroom: 14/16, Lohar Chawl, Bombay 2.

Haneef, S. M., & Co.—Bachooali House, Haji Bachooali Road.
 Jafferjee Kamrudin.—91-93, Bhusari Moholla, Bombay 3.
 Jayantilal & Co., B.—15, Mangaldas Road, Princess Street, B. mbay 2.
 Jhaveri Bros. & Co.—345-49, Abdul Rehman Street.
 Kulin Industries.—12-13, Svadeshi Market, Kalbadevi.
 Latham Abercrombie & Co., Ltd.—Forbes Building, Home Street, Fort.
 L. S. Awatram & Sons.—Moti Mahal, 43, Dhanji Street.
 Mahomedally Essoofbhoy Kaderbhoy Motiwalla.—88, Sarang Street, Bhusari Mohalla, Bombay 3.
 Majid & Co.—Karim Building, 50, Mahomedally Road.
 Manseta, N., & Bros.—165, Lohar Chawl, Fort.
 Mansukhlal Kantilal & Co.—185, Mulji Jetha Building, Princess Street.
 Matani Bros.—84, Mohamedali Road, Bombay 3.
 Mohamedally Abdullaly.—75-77, Bhusari Moholla, Bombay 3.
 Moosa Essa & Co.—Corner, Kalbadevi Road, 6, Maniar Building, Pydhownie Tram Junction, Bombay 3.
 Natwar Trading Co.—395, Kalbadevi Road, Bombay 2.
NEW INDIA GENERAL STORES.—33, Meadows Street, Fort, Bombay.
 Pavri, J. K.—10, Karim Chambers, Hamam Street, Fort.
 Prem Motwani.—70, Ebrahim Mansion, 368 68, Kalbadevi Road, Bombay 2.
 P. S. Taranath.—P.O. Box No. 1444, Bombay 1.
 Salemahomed Padamsee & Co.—141, Chukla Street, Bombay 3.
 Sanghani & Co.—178-80, Abdul Rehman Street.
 S. G. Kothari & Co.—88-90, Abdul Rehman Street, Bombay 3.
 Shalkh & Co.—94, Ali Umar Street, Bombay 3.
 Shivji, K. S., & Co.—144-46, Sheriff Devji Street, Bombay 3.
SORABJI NOWROJI & CO.—16, Horniman Circle, Fort, Bombay.
 Vasi Bros. & Co.—Topiwalla Mansion, Mahomedally Road, Bombay 3.
 Vir Brothers.—43, Dhanji Street, Bombay 3.
 Yacoub Ahmed Brothers.—Topiwalla Mansion, Mahomedally Road

CYCLES AND MOTOR CYCLES

Advance Trading Corporation.—Hathi Building, Bhangwadi, Kalbadevi Road, Bombay 2.
 Allied Industries Producers.—Orient Hotel Building, opp. Crawford Market, Fort.
 Bombay & Calcutta Cycle Co.—413-G, Vasantwadi, Kalbadevi Road, Bombay 2.
GUPTA CYCLE COMPANY.—172, Bharucha Building, Princess Street, Bombay 2. Phone: 27788. Grams: "GUPTACYCLE."
HIND CYCLES LTD.—Manufacturers of Complete Cycles & Cycle Parts, 250, Worli, Bombay 18. Managing Agents: Birla Bros. Ltd. Phones: 42091-42092. Grams: "CYCLEHIND."
 Indo Cycle Co.—Opp. Bhangwadi, 445, Kalbadevi Road, Bombay 2.
 Kantilal & Company.—170, Princess Street, Bharucha Building, Bombay No. 2.
 Kathiawar Cycle & Motor Co.—525-27, Kalbadevi Road, Bombay 2.
 Kirti Agencies.—125, Meadows Street, Fort.
METRO CYCLE COMPANY.—421, Kalbadevi Road, Bombay 2. Stockists of Cycles, Parts, Tyres and Tubes. Phone: 28389. Grams: "METROCYCLE." Branch: Trivandrum.
 Modern Cycle Stores.—435, Kalbadevi Road, Bombay 2.
 Modi & Co., K.B.—308 68, Kalbadevi, Bombay 2.
 Moussell & Co., Ltd.—Lotus Building, Marine Lines.
 National Manufacturing Co.—105, Bazargate Street, Fort.
 New Popular Cycle Mart.—367, Kalbadevi Road, Bombay 2.
 Prem Brothers.—Kitab Mahal, 192, Hornby Road, Fort, Bombay.
 Primera Corporation.—207, Sir Vithaldas Street, Fort.
 Shah Trading Agencies.—19, Hamam Street, Fort.
 S. Nagam & Co.—418, Kalbadevi Road, Bombay 2.
 Simplex Electric Trading Corporation.—Great Eastern House, 249, Frere Road, Fort.
SORABJI D. DARUWALLA.—Round Building, Kalbadevi Road. Direct Importer and Dealer in Cycles & Cycle Accessories and Rubber Goods. Grams: "REDCROWN." Phone: 30348.
 Standard Cycle Co.—429, Kalbadevi Road, Bombay 2.
 Wellington Cycle & Motor Co.—213, Hornby Road, Fort.

CYCLES & CYCLE ACCESSORIES IMPORTERS & DEALERS

Advance Trading Corp.—Bhangwadi, Kalbadevi Road.

A. R. Hasler—Asian Building, Ballard Estate, Bombay 1.

B. PAREKH & CO.—385, Kalbadevi Road. Direct Importers and Wholesale Dealers in Cycles, Cycle Accessories and Surgical goods. Grams: "BICITICY." Phone: 24965.

Craftsman Electronic Corporation Ltd.—240, Hornby Road, Navsari Building, Fort. Suppliers of Ovens, Pyrometers required for.

Cycle Trading Co.—125, Kalbadevi Road, Bombay 2.

Dclhi Cycle Trading Co.—Bharoocha Building, Kalbadevi Road, Bombay 2.

Hasler Ltd., A. R.—Asian Building, Ballard Road, Ballard Estate, Fort.

JANKIDAS & CO.—192, Princess Street, Bombay 2. Phone: 34436. Grams: "WHEELBIKE." New Delhi Office: 23/F, Connaught Place, New Delhi. Phone: 42104.

KUSUMGAR & COMPANY LTD., V. E.—Kalbadevi Road, P.O. Box No. 2071, Bombay. Direct Importers of all types of Cycles and Cycle Accessories. Phone: 25754. Grams: "PICKERFIRM."

Mohan & Bros. G.—Hassan Chambers, Parsee Bazar Street, Fort, Bombay.

NARENDARAOY & COMPANY.—453, Kalbadevi Road, Bombay 2. Phone: 21186. Direct Importers and Wholesale Dealers in Cycles and Accessories.

New Popular Cycle Mart.—387, Kalbadevi Road, Bombay 2.

Paramount Traders—Bhagwan Bhuvan, 61, Tejpal Road, Vile Parle (East), Bombay 24. Grams: "Undisheri". Indentors and Commission Agents.

Parekh & Co., B.—385, Kalbadevi Road, Bombay 2. Grams: "GUMMIWORKS." Phone No. 24965.

Prem Motwani.—70, Ebrahim Mansion, 366/68, Kalbadevi Road, Bombay 2.

Shah Trading Co. Ltd.—157-161, Princess Street, Bombay 2.

Standard Cycle Company.—429, Kalbadevi Road, Bombay 2.

Super Cycle Importing Co.—432-34, Kalbadevi Road, Bombay 2.

DAIRY COMPANIES

Baker's Dairy Farm.—Rusikesh Bhuvan, Gell Street, Jacob Circle.
Beales Dairy.—York House, opp. Tramway Depot, Colaba Causeway.
Bullion Hotel & Bullion Dairy Farm.—176, Sheikh Memon Street.
Bullion Sweet Mart & Bullion Dairy Farm.—Jackeria Building, Masjid Bunder Road.

Byculla Dairy Farm.—10, Sussex Road, Parel P.O., Bombay 12.

Champion Dairy Co. (Estd. 1903).—New Petit Mansion, Sleater Road, Grant Road, Bombay 7.

Clifton Dairy.—288, Frere Road, Fort, Bombay 1.

Darvi Trading Co.—64, Old Custom House Road, Fort.

Empress of India Dairy Co.—180, Lamington Road.

Hiscocks, E., & Co.—"Win-Villa," 9, Clare Road, Byculla.

Indian Express Dairy.—49, Kapur Mansion, Hughes Road.

Infants & Public Milk Supply Co.—11, Calicut Street, Ballard Pier.

Newton Manufacturing Co.—10, Sussex Road, Parel P.O., Bombay 12.

Palmer, A., & Co.—C-123, Cumballa Hill.

Parisian Dairy Co.—1, Tamarind Lane, Fort.

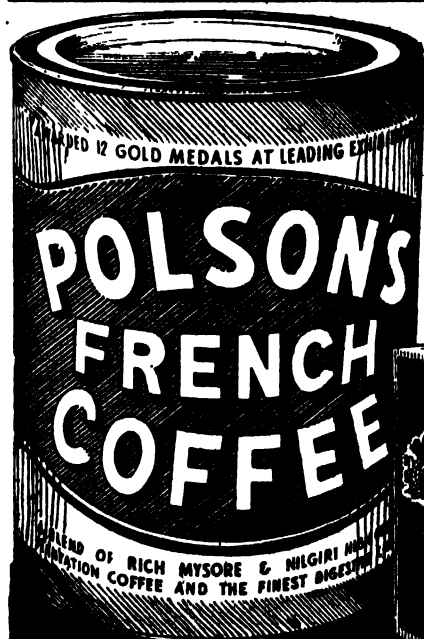
Rezashah Dairy Farm, The.—Dubash Building, Sleater Road, Grant Road.

Royal Hygiene Dairy Farm.—Cool Mansion, Wadia Street, Tardeo.

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Calcutta; 55-5, Japan Buildings, New Chowri, Delhi;
12-3D, Variety Hall Road, Coimbatore; Reid Road,
Ahmedabad; 26-59, Birhana Road, Kanpur.

Craftman Electronic Corporation Ltd.—Navsari Building, 240,
Hornby Road, Fort

RAJ-DER-KAR & CO.—Commissariat Building, Hornby
Road, Fort. For Research Industries. Phone: 27304.
Rustomji Nowroji Bapasola (Estd 1909)—62, Forbes Street, Fort.

WEIL COMPANY.—Chateau Marine, 41-B, Marine Lines,
Bombay 1. Phone: 34593. Cables: “WEILETCO.”

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WESTREX CO., INDIA (Formerly Western Electric Company
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Bombay 1. P.O. Box 1232. Tel. Address: “WESTELIND.”
Phone Nos. 33439 & 34027.

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INDO-FOREIGN TRADE SERVICE.—505, Kalbadevi Road,
G. P. O. Box No. 585, Bombay 2. Phone: 22848.

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AMZEL LTD.—Lotus House, Marine Lines, Bombay 1. Furni-
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Phone: 24791.

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Street, Fort.

Davar, N. & Co.—Calcutta National Bank Building, Sir Phirozshah
Mehta Road, Fort.

Dewjee Canjee & Co.—156, Sherif Dewjee Street and Mohamedali
Road.

Jacks, William & Co., Ltd.—Hamilton House, Graham Road,
Ballard Estate, Fort.

Jayanand Khira & Co., Ltd.—Kothare Building, Sandhurst Bridge.

Kalabhai Karson & Sons.—256, Sandhurst Road.

Kamdar Ltd.—Industrial Building, Opp. Churchgate Station, Fort.

Kapadia & Co., M. J. R.—174, Carnac Road, Bombay 2, opp. Com-
missioner Office.

KHANNA & COMPANY, S.—Mustafa Building, Sir Phirozshah
Mehta Road, Fort, Bombay. Grams: “CRETECO,”
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MHATRE PATIL & CO., S.—Architects, Surveyors and Deco-
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Grams “Packwell” Decorators, Painting Contractors and
Sign Painters, Specialists in Shop Fronts and Commercial and
Dispensing Displays

Nansey & Co., I. H.—143, Chakla Street, Bombay 3.

New Era Paint Works—Opp Byculla Station, Byculla.

Pavri & Sons, F. H.—126, Pavri House, Gunbow Street, Fort.

Premier Furnishing & Decorating Ltd.—7, Brabourne Stadium,
Churchgate Street Extension, Fort.

Raja Furniture Mart.—Foolchand Nivas, Chowpatty Sea Face,
Bombay 7.

Roberts, John & Co., Ltd.—Jorawar Bhuwan, 93/B, Queen's Road.

Salebhoy Tyebbhoy & Co.—Tyebji Building, 93, Nagdevi Street,
Bombay 8.

Shamrock Products Ltd.—34, Argyle Road, Carnac Bridge, Bombay.

Simplex Art Floorings Ltd.—“La Citadelle,” 32, Queen's Road.

Venus Paint Works.—348, Girgaum Road, near Thakurdwar Post
Office, Bombay.

William Jacks & Co., Ltd.—Hamilton House, Graham Road, Ballard
Estate.

DENTAL GOODS

BEHAR DENTAL SUPPLY CO.—Standard Building, 346,
Hornby Road, Fort, Bombay 1. Phone: 34604. Direct Im-
porters of Dental equipment, Artificial Teeth, Plaster of
Paris, etc.

Dental Corporation of India.—121, Esplanade Road, Fort.

INTERNATIONAL DENTAL CO. (Formerly Ahura Traders).—Davar House, 199, Hornby Road, Bombay 1. Direct Importers of Dental Goods, Artificial Teeth, Plaster of Paris, etc. Phone: 21529. Grams: "ACRYLIC."

Mazda Dental Depot. Navsari Chambers, Outram Road, opp. Lloyds Bank, Fort.

NATIONAL STEEL EQUIPMENT CO.—Naigaum Road (near Spring Mills), Dadar, Bombay 14. Phone: 61755. Grams: "BEDLOCKER." Makers of Dental Chairs.

Patel & Sons, Dr. K. 240, Hornby Road, Fort. Phone: 23702. Grams: "Dentdealer."

Powells Limited, 431, Lamington Road, Bombay 1
Rawal Shankerlal & Co. Esplanade High School Building, 1st Floor, 160, Hornby Road, Fort. Bombay 1.

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ABDUL KAYUM EBRAHIM (Estd. 1902).—64, Mohamedally Road, Bombay 3. Phone: 31279. Manufacturing Jewellers, Jewellery, Diamonds and Precious Stones.

Anandlal Becharlal & Co.—177-119, Sheikh Memon Street.

Beohardas Harichand & Co.—Poonamchand House, Kharakuva, Marwarli Bazar.

Bhogilal Leherchand.—134-136, Zaveri Bazar, Bombay 2

Bhojwani Brothers.—24, Munira Lodge, Colaba Causeway, Bombay 1.

Chimanlal Manchand & Co.—Queen's Road, Bombay 4.

Chimanlal Popatlal Minawalla. Dhanji Street, Bombay 3.

CHUNILAL & CO.—17-19, Dhanji Street, Bombay 3. Phone: 21991.

CULTURE PEARLS DEALING CO.—Madras Building, 2nd Floor, 148, Mumbadevi Road, Bombay 2. Wholesale and Retail dealers in (Real) Culture Pearls and other Jewels. Grams: "ORNAMENTS."

Dahyalal Maknaji Zaveri. Zaveri Bazar, Bombay 2.

Dalchharam Nanchand & Co.—7, Dhanji Street.

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Ebster Electric Co.—318, Lamington Road, next to Police Station, Bombay 7.

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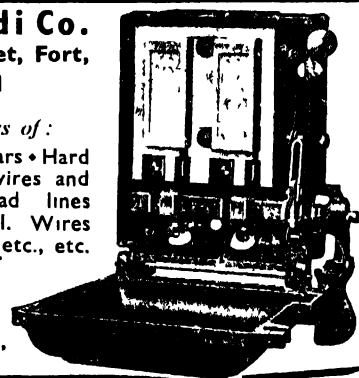
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Electric & General Traders Ltd.—Bombay Mutual Annexe, Gunbow Street, Fort.

Electricals (India) Ltd.—24 B, Hamam Street, Fort, Bombay.

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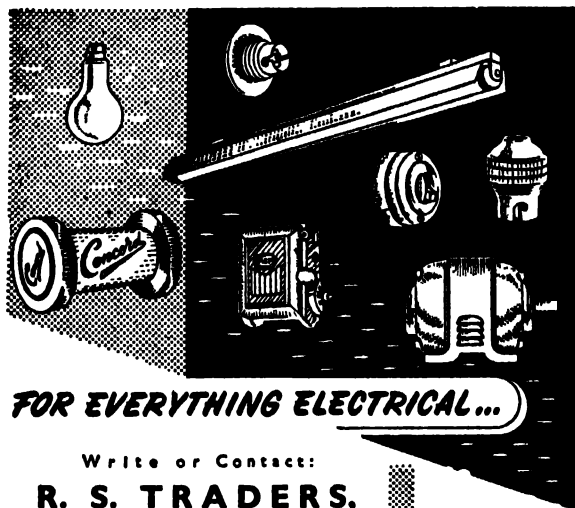
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 Motichand & Co.—United India Building, Sir Phirozshah Mehta Road, Fort.
 Mulvaney & Co., John L.—Bombay Mutual Building, Hornby Road.
 Muncherjee Byramjee & Co. (Est'd. 1882).—Jeraibhoy Street, 100, Foras Road, near Municipal Workshop, Bombay 8.
 Murdoch-Smith & Co., C. M.—23, Waudby Road, Fort.
 Nadirshaw & Bros.—Silver Talkies Building, Khetwadi Back Road.

NATIONAL HARDWARE & STORES SUPPLY CO.—Post Box 3146, Bombay 3. Phone: 33462. Grams: "REQUISITES."

New Consolidated Construction Co., Ltd.—Rahimtoola House, Homji Street, Fort.
 Nensay & Co., I. H.—143, Chakla Street, Bombay 3.
 New Era Construction & Transport Co., Ltd.—Advani Chambers, Sir Phirozshah Mehta Road, Fort.
 New Standard Engineering Co., Ltd.—222, Bellasis Road, Byculla.
 Pans & Co.—105, Apollo Street, Fort.
 Pans & Co. (Engineers).—105, Apollo Street, Fort.
 Pandit & Co.—Hamam House, Hamam Street, Fort.

PARAMOUNT ENGINEERING CO.—Fort Chambers, Hamam Street, Fort. Phone: 26964, Grams: "SEARU".

Patel Engineering Co., Ltd.—United India Bldg., Sir Phirozshah Mehta Road, Fort.

Poonnager, Billimoria & Co.—24-26, Cama Building, Dalal Street, Fort. Phone No. 23625.

Premier Construction Co., Ltd.—Construction House, Wittet Road, Ballard Estate, Fort.

Protos Engineering Co., Ltd.—Laxmi Building, Ballard Road, Bombay.

Radiant Electric & Machinery Co.—Sir Vithaldas Chambers, Bruce Street, Fort.

Railway Equipment Corporation Ltd.—7-8, Elphinstone Circle, Fort, Bombay.

Railway & Marine Equipment Co.—"Buona Casa," Sir Phirozshah Mehta Road.

Rao Saheb Rawji Sojpal & Sons.—322, Shanti Niketan, Vincent Road, Kingsway, Matunga.

Ratlilal & Co.—Madhavji Thakersey Buildings, Pickett Cross Road.
Reliance Electric & Hardware Stores.—55, Krishna Bhuvan, Lohar Chawl.

Reliance Trading Co.—Vithal Sayana Building, Lohar Street, Bombay 2.

Richardson & Cruddas.—Byculla Ironworks, Byculla.
Rowe Industries Ltd.—117, Medows Street, Fort.

Royal Express Agency.—247, Nagdevi Street, Bombay 3.

Sakaria Bros.—17/19, Dhanji Street, Bombay 3.

Salem & Company.—31, Murban Road, Fort, Bombay.

Sampat & Co.—39, Yusuf Building, Hornby Road, Fort.

Service, Geo., & Co.—Sohrab House, 237, Hornby Road, Fort.

SEWRI ENGINEERING CONSTRUCTION CO. LTD.—Savoy Chambers, West Wing, 2nd Floor, Wallace Street, Fort.

Sewri Engineering Works.—234, Sewri Road, Bombay 15.

Shaco Iron & Steel Works.—Cooper's Compound, 6th Kumbharwada Lane, Bombay 4.

Shapoorji Pallonji & Co.—70, Medows Street, Fort.

Sharp, R., & Sons.—Kaiser-i-Hind Building, Ballard Estate.

Simpson, D. R., & Co.—33, Gamdevi Road, Bombay 7.

Simplex Concrete Works & Construction Co.—"La-Citadelle", 32, Queen's Road, Bombay.

SKF-BALL BEARING CO., LTD.—Mustafa Building, 19, Sir Phirozshah Mehta Road, Fort. P.O. Box No. 71, Bombay.

Smidth & Co. (Bombay) Ltd., F. L.—42, Queen's Road, Churchgate Reclamation.

Steel Industrial Corporation of Bombay.—39, 2nd Carpenter Street, Bombay 4.

Stewarts & Lloyds of India, Ltd.—Mubarak Manzil, Apollo Street, Fort.

Structural Engineering Works Ltd.—Prospect Chambers, Hornby Road, Fort.

Surveyors & Co., Ltd.—Prospect Chambers Annexe, Fort.

Taherbhoy Goolamhussein & Bros.—Mazagaon Dock.

Tata Hydro-Electric Agencies, Ltd.—Bombay House, 24, Bruce Street.

Techno-Industrial Co.—107, Sir Vithaldas Chambers, 10, Apollo Street, Fort.

Thos. W. Ward (India) Ltd.—Marshall Building, Ballard Road, Ballard Estate, Fort.

Trinity Electric Syndicate.—Princess Street.

Turner, Honore & Co. Ltd.—Gateway Building, Apollo Bunder, Bombay 1.

Unsalas (India) Ltd.—27-33, Medows Street, Fort.

United Engineering Corporation.—Datoobhoy Building, 5, New Queen's Road.

Universal Asphalt Products & Construction Co.—"La-Citadelle," Queen's Road.

Universal Construction Co.—Sir Vithaldas Chambers, 10, Apollo Street, Fort.

Vaziralli Ltd.—Prospect Chambers, Hornby Road, Fort.

Verma, Ramlal G.—Bell Building, 4th Floor, 6, Sir Phirozshah Mehta Road, Fort.

Vickers (India), Ltd.—Killick Building, Home Street, Bombay.

Volkart Brothers.—19, Graham Road, Ballard Estate.

Warsh & Company.—P. O. Box 1536, Bombay.

Western Engineering Co.—Western India Building, Sir Phirozshah Mehta Road, Fort. P.O. Box 75.

Western India Engineering Co., The.—Signal Hill Avenue, Sewri, Bombay 15.

Western India Engineering Corpn. Ltd.—Cama Chambers, 23, Medows Street, Fort.

Western Manufacturing Co.—Hassan Chambers, Parsee Bazar Street, Fort.

Western Traders (India), Ltd.—Post Box No. 9, Bombay.

William Jacks & Co., Ltd.—Hamilton House, Graham Road, Ballard Estate.

Worthington Simpson Ltd.—Mubarak Manzil, Apollo Street, Fort.

Zaveri, C. A., & Co.—44, Abdul Rehman Street, Bombay 8.

ENGRAVERS AND DIE-SINKERS

Army & Navy Stores Ltd.—Mahatma Gandhi Road, Fort.

CLARIDGE, G., & CO., LTD.—Frere Road, Fort, Bombay 1. Phone: 30801 (2 lines). Grams: "BRAD."

Ghalsas, G. J., & Co.—Ramchandra Building, Tram Terminus, Girgaum.

MANKAME BROS.—Rubber Stamp Manufacturers, Engravers and Die-Sinkers, 405, Kalbadevi Road, Bombay 2. Phone: 23960.

Mithawkar, G. A., & Co.—Jehangir Wadia Building, 80, Bruce Street, Fort.

Mitra, H. P., & Co.—Krishna Cinema Building, New Charni Road.

Munshi & Co., Ltd.—187, Bapu Khote Street, Bombay 3. Phone: 73559. Grams: "SPECIALDIE."

PANDHARINATH S. BHATKER.—Embossed Labels Manufacturers. 12, Cawasji Patel Street, Fort.

Premier Art Printing Works.—107, Cowasji Patel Street, Fort.

Studio Ratan Batra Ltd.—Ilaco House, Sir Phirozshah Mehta Road, Fort.

Thacker & Co., Ltd.—Rampart Row, Fort.

TIMES OF INDIA PRESS, THE.—Hornby Road.

ENGRAVING MATERIALS

Process Glue Works.—24, Sitafalwadi, New Anjurwadi, Mount Road, Mazagaon, Bombay 10.

ENVELOPE MANUFACTURERS AND DEALERS

Ashok Industries.—182, Bohra Bazar Street, Fort.

Bombay Envelope Manufacturing and Printing Works.—227 Frere Road, Fort.

Evergreen Syndicate.—19, Hamam Street, Fort.

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Model Art Printery Ltd.—4, Nanabhai Lane, off Churchgate Street, Fort.

Ryland Paper Box Manufacturing Co.—Lakhani Building, 34, Cawasji Patel Street, Fort, Bombay 1.

S. Moti.—Envelope Maker. Hornby View, 12, Gunbow Street, Fort.

Singham Bros. & Co. (India) Ltd.—P.O. Box 894, Bell Building, Sir Phirozshah Mehta Road, Fort.

ENGINEERS—MECHANICAL & STRUCTURAL

Gammon, J. C. & Co. Ltd.—Hamilton House, Ballard Estate, Bombay 1. Phone: 32834. Grams: "GAMMON."

Steel Industrial Corporation of Bombay.—39-2, Carpenter Street, Khetwadi Main Road, Bombay 4.

ESSENCES

GENERAL IMPORT CO. (INDIA).—Heera Building, 1st Floor, 174, Carnac Road, Bombay 2. Phone: 23633. Grams: "SODALEMON."

Gujrat Essence Mart.—126, Princess Street, Bombay 2.
Indiana Chemical Works (India) Ltd.—Atlas Mills Compound, Reay Road, Bombay 10

Perry & Co., Ltd.—Warden House, Sir Phirozshah Mehta Road, Fort.

WEIL COMPANY.—Chateau Marine, 41-B, Marine Drive, Bombay 1. Phone: 34593. Cables: "WEILETCO."

ESSENTIAL OILS

Akbarally Mohamedally & Co.—Dawoodi Building, 316, Abdul Rehman Street.

Anil Trading Co.—Sharaf Mansion, 32, Princess Street, Bombay 2.

AROMATIC PRODUCTS & CHEMICALS LTD.—Importers and Indentors of Essential Oils, Aromatic Chemicals and Perfumery Raw Materials. 42, Prospect Chambers Annexe, Hornby Road, Fort. Grams: "DISCOVERY." Phone: 23151.

Associated Agencies (Bombay).—47, Podar Chambers, Parsi Bazar Street, Fort.

Balujal Santaram.—204, Samuel Street, Vadgadi, Bombay 3.

B. C. Patel & Co.—Sal Bhuvan, 143, Princess Street, Bombay 2.

Biddle Sawyer & Co. (India) Ltd.—25, Dalal Street, Fort, Bombay 1.

CALCUTTA ESSENCE SUPPLY CO.—Mulchand Mansion, Princess Street, Bombay 2. Dealers and Importers of Essential Oils, Aromatic Chemicals and Perfumers. Grams: "SUPRALUX." Phone: 22623.

DEAMDHERE, K. H.—45-47, Princess Street, Bombay No. 2. Tel. No. 30683. Essential Oils for Soaps, Agarbattis and Cosmetics. Manufacturers of Vedvert Oil, Malabar, and Dealers of Maroti Oil or Oil Hydnocarpus S.P. Exporters of Palma Rosa and Lemon Grass Oils. Branches: Pandit Road, P.O. Mattancheri, Cochin, S.I.; 44-45, Ezra Street, Calcutta No. 1.

Din Products Ltd.—219, Frere Road, opp. General P. O., Fort. General Import Co. (India).—Heera Building, 1st Floor, 174, Carnac Road, Bombay 2. Phone: 23633.

Gujrat Essence Mart.—126, Princess Street, Bombay 2.
Gulam Rasool Allahbux.—1/B, Bachooali House, Nowroji Hill Road No. 1, Bombay 9.

Hasanali Kamroodin.—19, Shamset Street, Bombay 3.
Jacob George & Co.—Advani Chambers, Sir Phirozshah Mehta Road, Fort.

Jagkumar & Co.—Prospect Chambers Annexe, 317-21, Hornby Road, Fort.

Kantilal Sanghvi & Co.—Mherwan Building, Sir Phirozshah Mehta Road, Fort.

K. Metharam.—491-3, Kalbadevi Road.

Khurana Brothers.—People's Building, Sir Phirozshah Mehta Road, Fort.

Kirtikumar & Co.—80, Bhandari Street, Mandvi, Bombay 3.
Latham Abercrombie & Co., Ltd.—Forbes Building, Home Street, Fort.

Master & Company (Estd. 1938).—Laheri Building, 278, Sandhurst Road (Corner Khetwadi 4th), Bombay 4.

M. B. THAKKAR.—105, Princess Street, Bombay 2. Phone—Res.: 21065. Grams: "SWEETODOUR." Dealers in Synthetic and Natural Essential Oils, Aromatic and Heavy Chemicals.

MERCANTILE ESSENTIAL OIL COMPANY.—5, Mint Road, Fort. Phone: 21357. Grams: "GERANIOL." Stockists of Palma Rosa Oil (Motia & Sofia), Ginger Grass Oils. Dealers in Indian & Essential Oils.

Nearden Chemical Works (India) Ltd.—2, Poona Street, Frere Road, Bombay 9.

Narandas G. Bhatia.—157, 5th Cavel Cross Lane, Gaiwadi.

Narendra & Co.—Bansilal Mansion, 11, Bruce Street, Fort.

New India Pharmacy.—Shroff Mansion, 32, Princess Street.

Parekh Bros., Ltd.—65, Mahatma Gandhi Road, Fort.

Radhakishan Rajaram & Co.—143, Princess Street, Bombay 2. Phone: 26097.

Red Star Chemical Works.—63, Princess Street, Bombay 3.

Scientific & Industrial Supplies Corporation.—Princess Street, Bombay 2.

SIKRI BROTHERS.—79-8, Princess Street, Bombay 2. Phone: 33494. Grams: "OILMAN."

Singham Bros. & Co. (India), Ltd.—P. O. Box 894, Bell Building, Sir Phirozshah Mehta Road, Fort.

Shapurji & Co., R. K.—Prospect Chambers, 319, Hornby Road, Fort, Bombay.

S. Manubhai & Co.—Albert Building, 346, Hornby Road, Fort.

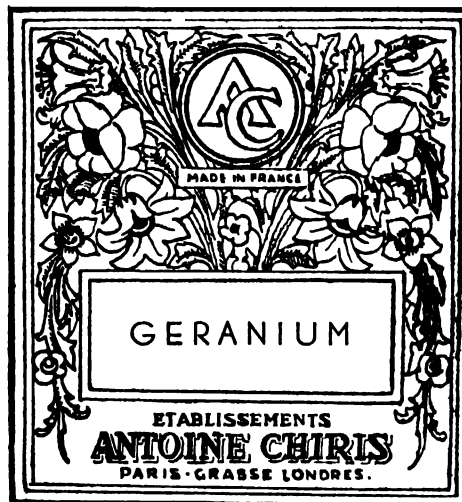
Sudan Trading Co.—Dhru-Nur, Sir Phirozshah Mehta Road, Fort, Bombay 1.

Tarasingh Harbindersingh.—P. O. Box 4456, Bombay 16.

WEIL COMPANY.—Chateau Marine, 41-B, Marine Drive, Bombay 1. Phone: 34593. Cables: "WEILETCO."

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Bombay Metal Products Co.—86, Kandewadi, Bombay 4.

C. Bhimjee Poonja & Sons.—20, Khokha Bazar, Bombay 3.

CHUNILAL & CO.—74, Abdul Rehman Street, opp. Imperial Bank, Bombay 3. Dealers in Galvanised Brass and Copper Wire Netting and perforated Sheets.

DAULATRAM RATANJI & CO.—208, Nagdevi Street, Bombay 3. Phone: 28915. Grams: "COMPARE."

EAST ASIATIC COMPANY (INDIA) LTD.—Wavell House, Graham Road, Ballard Estate. Phone: 30995.

Excel Importers.—89, Princess Street, Bombay 3.

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FAKRUDDIN & CO.—43, Abdul Rehman Street, Bombay 3. Phone No. 33034. Grams: "EXMETAL." Direct Importers and stockists of Expanded metals galvanised, brass, copper, and steel wire nettings, plain zinc and Aluminium sheets, welded mesh, perforated metal sheets, woven wire fence, fencing barbed wires, G. I. stranded wires, iron beds, stair treads, collapsible iron gates, "CELOTEX" tempered press boards, insulating boards, "CASTEX" reeded hard boards, masonite tempered press boards, plywood block board (plain and corrugated), Asbestos cement sheets, veneer, decorated teak plywood, roofing rolls and other well-known hard boards.

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Hindustan Wire Netting Co., Ltd.—55-57, Nagdevi Cross Lane, Bombay 3.

Hooseln, M. A., & Bros.—Lakshmi Building, Sir Phirozshah Mehta Road, Fort.

Indian Expanded Metals Ltd.—2nd Floor, Prospect Chambers, Hornby Road, Fort, Bombay.

Jacks, William & Co., Ltd.—Hamilton House, Graham Road, Ballard Estate, Fort.

Kantilal Sanghvi & Co.—Mherwan Building, Sir Phirozshah Mehta Road, Fort.

Keshavlal Naraldas Jallwala.—157, Abdul Rehman Street, Bombay 3.

Mhta & Co.—35, Abdul Rehman Street, Bombay 3.

NASH & CO.—103, Abdul Rehman Street, Bombay 3. Govt. & Rly. Contractors and also Dealers in Expanded Metal, Galvanised Brass, Copper Wire nettings, Plain Zinc Sheets, Perforated Brass, Copper Zinc Sheets, Welded Mesh Green Wire nettings, Asbestos Cement Sheets, Plain Corrugated Veneer Plywood, Masonite, Presswood, Plywood, Woven Wire Fence and Wire netting, Decorative Plywood for furniture as a Teak Mahogany, Walnut in all sizes and thickness. Phone: 33968.

National Hardware & Stores Supply Co.—Post Box 3146, Bombay 3.

Parsee Trading Co.—Vithal Sayana Building No. 2, Lohar Chawl, Bombay 2.

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Rollance Trading Co.—25-47, Lohar Street, Bombay 2.

Salfy, T. A., & Bros. (India)—20, Sarang Street, Bombay 3.

Shah & Co., Jallwala.—"Jay Nivas", 36, Abdul Rehman Street, near Pydhonie, corner of Sutar Bazar, Bombay 3.

Sriram & Co.—97, Narayan Dhuru Street, Bombay 3.

STALUNION COMPANY LIMITED, THE.—India House, 4th Floor, Fort Street, Bombay 1. Tel. Address: "MARCASTEEL"—Bombay; Steel Materials and Products of all Kinds; Branch Offices: Calcutta, Delhi.

T. Salehbhooy & Co.—54, Sarang Street, Bombay 3.

Bhargava & Co., K.—G. P. O. Box No. 19, Bombay 1.

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FANCY GOODS DEALERS

Associated Plastics.—Hashim Building, 407, Churchgate Street, Fort.

D. Ram & Co.—Krishna Nivas, New Silk Bazar, P.O. Box 2376, Bombay 2. Grams: "SADHU." Sole Prop.: Dayaram Sadhumal, N.A.

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Kalyan & Sons.—Bode House, Ormlston Road, Apollo Bunder, Fort.

Kothari & Sons.—20, Noble Chambers, Parsi Bazar Street, Fort.

Matani Bros.—84, Mohamedali Road, Bombay 3.

Muhammed Ahmed & Bros.—220, Cutlery Bazar, Bombay 3.

National Plastics.—Manu Mansion, 16, Custom House Road, Fort.

NEW INDIA GENERAL STORES.—33, Meadows Street, Fort.

Salehmohamed Padamsee & Co.—141, Chackla Street, Bombay 3.

S. G. Kothari & Co.—88-90, Abdul Rehman Street, Bombay 3.

Singham Bros. & Co. (India) Ltd.—P. O. Box 894, Bell Building, Sir Phirozshah Mehta Road, Fort.

Wadhwaney Bros. (India).—Hornby Building, 172/74, Hornby Road, Fort.

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Ahmed Ebrahim Bros.—88, Chackla Street, Bombay 3.

Allied Exporters.—Kumud House, 287, Hornby Road, Fort.

Raja Bros. Ltd.—Round Building, Kalbadevi.

Bhagwandas Chatrabhai & Co.—20, Hamam Street, Fort.

Blascheck, H., & Co.—Dadyath House, 44, Cawasji Patel Street, Fort.

Ebrahim Allibhooy & Sons.—200-64, Abdul Rehman Street, Bombay 3.

Hooseln, M. A., & Bros.—Lakshmi Building, Sir Phirozshah Mehta Road, Fort.

Kantilal Sanghvi & Co.—Mherwan Building, Sir Phirozshah Mehta Road, Fort.

Majid & Co.—Karim Building, 56, Mahomedally Road.

United Import Co., The.—67-69, Mahomedally Road.

Yacoub Ahmed Bros.—Topiwala Mansion, Mahomedally Road.

FERTILIZERS

AGRI-ORIENT INDUSTRIES LTD.—98, Meadows Street, Fort. Phone: 34563. Grams: "DEVALANCA."

Associated Agencies (Bombay)—47, Podar Chambers, Parsi Bazar Street.

Biddle Sawyer & Co. (India) Ltd.—25, Dalal Street, Fort, Bombay 1.

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Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10. Suppliers of Instruments and Equipments for.

Imperial Chemical Industries (India) Ltd.—Imperial Chemical House, Dougall Road, Ballard Estate.

Nanavati & Co. Ltd.—16, Apollo Street, Fort.

National Fertilisers Ltd.—Shale Building, Bank Street, Fort.

Paramount Traders.—Bhagwan Bhuvan, 61, Tejpal Road, Vile Parle (East), Bombay 24. Grams: "Undlsheri." Indentors and Commission Agents.

Singham Bros. & Co. (India) Ltd.—P. O. Box 894, Bell Building, Sir Phirozshah Mehta Road, Fort.

Vika Chemical Works.—12, Bell Lane, Fort, Bombay.

Western Chemical Industries.—Goregaon (East), Bombay.

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GAYTEE & COMPANY.—Jannabhoomi Chambers, Fort Street, Fort, Bombay. Grams: "IMPENG." Phone: 32449.

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K. Pidaally & Company. — 84-G, Mahomedali Road, Bombay 3.

Laljee Deyraj & Company.—Tapiwala Mansion, Mahomedally Road, Bombay 3.

FISH (DRY)

Fruit Farm Products Company.—Byramji Mansions, Sir Phirozshah Mehta Road, Fort.

Gulam Rasul Allahbux.—1-B, Bachooali House, Nowroji Hill Road No. 1, Bombay No. 9.

Hasbambhoy Aloo Mahomed & Sons.—231, Nishanpada Road, Khadak, Bombay 9.

Jehangir J. M. Poonjiajee.—Byramji Mansion, Sir Phirozshah Mehta Road, Fort.

Sea Foods Corpn.—Rahimtoola House, 7, Homji Street, Fort.

(FISHERIES)

Seale Fisheries.—6th Floor, People's Building, Sir Phirozshah Mehta Road, Fort.

FISHING REQUISITES

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Bombay Floral Co.—Sitakant Mansion, Hughes Road.

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Mehta & Co., 8.—Anes Chambers Annexe, Carnac Road, Bombay 1.
Paramount Industrial Stores.—15, Ropewalk Street, near Forbes Street, Bombay 1.

FOUNDERS AND FOUNDRY EQUIPMENT

AMAR BRASS AND IRON WORKS.—Office and Works: 6, Sewree Cross Road, Bombay 15. Phone: 62981. Grams: "SEWREEIRON."

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10. Importers and Suppliers of Instruments, Chemicals and Accessories.

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Nadirshaw & Bros.—"Silver Talkies" Building, Khetwadi Back Road.

Panchal Iron Works.—45-A, Dadaker Compound, Tardeo Road.
Ward Thos. W. (India) Ltd.—Marshall Building, Ballard Road, Fort.

WESTERN MANUFACTURING CO.—Hassan Chambers, Parsi Bazar Street, P. O. Box No. 1230, Fort. Phone Office: 32284, Workshop: 40147. Grams: "WESTERWORK."

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PIONEER INDUSTRIES.—21, Forbes Street, P.O. Box No. 1909, Bombay 1. Phone: 31982. Grams: "PIOMETAL." Cupolas, Reverberatory and Electric Furnaces, Sand Conditioning, Paints, Moulding Machines, Blowers, Pouring Ladles, Conveying Systems, Moulding Boxes, Foundry Stores, etc., etc.

FOUNTAIN PENS IMPORTERS, MFRS. & DEALERS

CAPTAIN LIMITED.—Empire Building, Hornby Road, Fort. Phone: 23114. Grams: "PENHOUSE."
Dalsi & Co.—38, Bora Bazar Street, Fort.

DEIRAJ PEN MANUFACTURING CO., LTD.—Nagardas Road, Andheri (East), Bombay. Phones: 86031 and 86548. Grams: "CITYPEN." Manufacturers of 'Wilson', 'President', 'Ford' Fountain Pens and Spare Parts.
Doric Products.—61, Bombay Mutual Building, Hornby Road, Fort.

ENAYATALI & CO.—262-264, Abdul Rehman Street. Dealers in all Famous makes Fountain Pens, Inks & Spare Parts. Stationers & Fountain Pen Merchants. Phone: 23159. Grams: "ENAYAT."

Eversharp Agency.—Bombay Mutual Building, Hornby Road, Fort.
Gandall & Co.—170, Abdul Rehman Street, Bombay 3.
Gujarat Stationery Mart. 198, Abdul Rehman Street, Bombay 3.

H. S. CHHATWAL.—11, Tamarind Lane, Fort, Bombay. Tel. 27674. Grams: "COLWATCH." Representative of EVER-GOOD FOUNTAIN PEN CO. The largest Fountain Pen Manufacturers in France.

Kamdar Limited.—Industrial Building, opp. Churchgate Station, Fort, Bombay.

KIRON & CO. LTD.—73-75, Chhipi Chawl (Shamshet Street), Near Zaveri Bazar, Bombay 2. Phone: 33532. Grams: "CITYPEN." Sole Distributors of well known 'Wilson', 'President' and 'Ford' Fountain Pens and Fountain Pens Spare Parts.

Khokhani & Co.—Sutar Chawl, Ismail Building, Bombay 2.

LATHAM ABERCROMBIE & CO., LTD.—Forbes Building, Home Street, Fort.

Mhatre Pen & Plastic Industries.—182, Gaiwadi, Girgaon. Fountain Pens Manufacturers, "Homar" Brand pens.

New Type Fountain Pen Depot.—116-18, Narayan Dhuru Street, Barbhai Moholla, Bombay 3.

Oriental Traders.—Anand Bhuvan, Princess Street.

Premier Fountain Pen Depot.—298, Sheikh Memon Street, Bombay 2.
P. Varajlal & Co.—240, Abdul Rehman Street, Bombay 3.

Raja Fountain Pens Depot.—115, Shamshet Street, Bombay 2.

RAMNIKLAL C. KOTHARI & CO.—16, Apollo Street, Bombay 1. Phone: 25862. Grams: "ASTROGEMS." Fountainpens Nibs and Spare Parts, Celluloid Tubes, Ebonite and materials.

R. Punjabi & Co.—Sharuf Mansions, Princess Street, Bombay 2.

S. Chandra & Co.—Empire Building, Hornby Road, Fort. Phone: 23114. Grams: "PENHOUSE."

United Commercial Co.—48, Mangaldas Building, 1, Princess Street.

FREIGHT BROKERS

Bhawanidas & Sons.—24, Churchgate Street, Bombay 1.

DEWAN & SON, L.—Jan Mansion, Sir Phiroozshah Mehta Road, Fort. Phone: 31469. Cable: "RAILCUMSEA."

Liladhar Pasoo & Co.—282, Narsi Natha Street, Bombay 9.

N. JAMNADAS & CO.—16, Bank Street, Fort. Phones: 20702, 26320. Grams: "BAXICO." Freight Brokers and Travel Agents. Approved Agents: I.A.T.A. & A.T.A.I.

Pitamber & Co.—Scindia House, Ballard Estate, Bombay.

Pitamber Laljee & Sons (Estd 1920).—7-10, Botawalla Building, Horniman Circle, Fort.

Prabhulal L. Pandya & Co.—11, Bank Street, Fort, Bombay.

PURDIE & CO.—Freight Brokers, 16, Elphinstone Circle, Fort.

FUEL INJECTION EQUIPMENT

HONESTY TRADING CORPORATION.—Beaumont Chambers, Medows Street, Fort. Phone: 23534. Grams: "HOT-RACO." Sole Agents for H.T.C. Brand Fuel Injection Equipment for all types of Diesel Engines.

FURNITURE DEALERS AND MANUFACTURERS

Apollo Furnishing Co.—Harishankar Lodge, opp. Charni Road Railway Station, 23, Queen's Road.

Army & Navy Stores Ltd.—Mahatma Gandhi Road.

Art Flooring & Construction Co.—10, Sleanor Road, near Grant Road.

Batlivala, D. C.—Bruce Street, Fort.

Bhagwandas J. Mistry.—16, Banaji Street, Fort.

BHAWSAR HOME FURNISHERS & DECORATORS.—66, Karwar Street, Mint Road, Fort, near G.P.O. Factory: Famous Cine Building, Haines Road, Mahaluxmi, Bombay 11. Phone: 24791.

Bombay Furniture House.—132-138, Mutton Street, Null Bazar.

Brijmohan Banwarial.—61, Reay Road, Mazagaon, Bombay 10.

Dawson & Co.—24, Parsee Bazar Street, Bombay 1.

Dewjee Canjee & Co.—156, Sheriff Dewjee Street & Mohamedalli Road.

Ebrahim Jaffer & Co.—208, Chukla Street, Bombay 8.

Evans, Fraser & Co. Ltd.—Hornby Road, Fort.

Eyres, E., & Co.—Bellasis Road, Bombay 8.

General Equipment Merchants, Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort.

Gujarat Furniture Works.—Satar Sea View, 45, Chowpatty Sea Face.

Hindustan Fabrics & Stores Ltd.—Foolchand Nivas, Chowpatty Sea Face, Bombay 7.

Indian Industries Palace.—38, Carnac Bridge.

Jamshedji F. Billimoria & Co.—290, Lehl Building, Sandhurst Road.

Jayanand Khira & Co., Ltd.—Kothare Building, Sandhurst Bridge, Bombay 7. Kamdar Limited.—Industrial Building, opp. Churchgate, Fort.

KANTILAL KARIA & CO.—Furnishers and Interior Decorators, Madhwal Building, Chowpatty, Bombay 7.

Kay & Co.—42, Custom House Road, Fort.
Latham Abercrombie & Co., Ltd.—Forbes Building, Home Street, Fort.

Mahomedally Dadabhai & Son (Estd. 1904).—Jamnadas Building, 70-72, Mutton Street, Null Bazar, Bombay 3.

Mapara Parekh & Co.—Ghodbunder Road, Santa Cruz, Bombay 28. Manufacturers of Tubular Steel and Sheet Metal Furniture, Particularly for Offices and Hospitals and Window grilles, Compound gates and fences.

MAROO & CO.—Dealers in Office and Household Furniture (New and Second Hand), Noble Chambers, 13, Ghogha Street, Fort, Bombay 1.

Mayfair Furnishing Company.—Great Western Buildings, Apollo Street, Fort.

McKenzie, Ltd.—Sewri.

Menty Waterwalla & Co.—Bombay Mutual Annexe, Gunbow Street, Fort.

MINERVA FURNITURE WORKS.—Furniture Makers and Interior Decorators, 67-71, Queen's Road, opp. Marine Lines Station, Bombay 2. Phone: 20921.

Mitha & Co.—Opp. Suryodaya Mills, Tardeo Road.

Modern Furniture Works.—141, 3rd Cross Road, Shivaji Park Road, Bombay 28.

Nagree Ltd.—Nagree Building, 50, Custom House Road, Fort. **Waterwalla, S. R., & Co.**—Bombay Mutual Annexe, Gunbow Street, Fort, P. O. Box No. 724, Bombay.

National Steel Equipment Co.—Naigaum Road (Near Spring Mills), Dadar, Bombay 14.

New Era Furnishing & Decorating Company, The.—Lamington Road, opp. Agripada Police Station, Bombay 11.

PODAR SAW MILLS.—61, Reay Road, Bombay 10.

PREMIER FURNISHING & DECORATING LTD.—7, Braeburne Stadium, Churchgate Street Extension, Fort. Phone: 34432. Manufacturers & Suppliers of all kinds of Furniture and also Suppliers of Modern Type of American Light Fittings.

Raja Furniture Mart.—Foolchand Nivas, Chowpatty Sea Face, Bombay 7.

Remington Rand Inc.—Thackersey House, Graham Road, Ballard Estate.

Roberts & Co., Ltd., John.—Jorawar Bhuvan, 93-B, Queen's Road.

Roneo, Ltd.—Navsari Chambers, 39, Bastion Road, Fort.

Royal Carpets & Cane-Furniture Manufacturing Co.—Mani Bhuvan, Hughes Road, Bombay 7.

SHERATON & CO.—Works & Office: 131, Meadows Street, Fort, Bombay. Phone: 31330. Furniture & Billiard Table Manufacturers.

Steelage Industries Ltd.—Opp. Post Office, Mazagaon, Bombay.

Sunderdas Saw Mills.—Opp. Reay Road Station, Bombay 10.

Tahsilgah Hanspal & Co.—Lady Hardinge Road, Bombay 28.

Victory Furniture Works.—23, Dream Land, next to Roxy Cinema, New Queen's Road, Bombay.

FURNITURE FITTINGS & BUILDERS BRASSWARE

LOOKMANJI MOOSAJI.—Diamond Building, Lohar Chawl, Bombay 2. Phone: 25361. Grams: "CURTAINS." Direct Importer of Building, Furniture and Curtain Fittings.

FURNITURE UPHOLSTERY MATERIALS

Associated Auto Parts Ltd.—445, Lamington Road, Bombay 4.

East India Trading Corporation.—418, Sandhurst Road, Bombay.

Nagree Ltd.—Nagree House, 50, Custom House Road, Fort.

Oriental Art Leather Depot.—Govind Building, Princess Street, Bombay 2.

P. Shah & Co.—Dwarkanadas Mansions, 443, Sandhurst Road, Bombay 4.

Ratanlal Harilal Dalal & Co.—456, Peerbhoy Mansion, Sandhurst Road, Bombay 4.

FURS

Asiatic Fur and Carpet Stores.—2, Waterloo Mansion, opp. Regal Cinema, Fort.

Interseas Corporation.—Bombay Mutual Building, 293, Hornby Road, Fort.

Kabul & Kashmir Store.—15, Lansdowne Road, Apollo Bunder, Fort.

Oriental Furriers.—2, Waterloo Mansion, opp. Regal Cinema, Fort.

GALVANISED IRON PIPES

Lawyer & Co., Ltd.—16, Horniman Circle, Fort, Bombay 1.

GALVANIZERS

Asian Trades & Industries.—Post Box 3113, Bombay 3.

Diamond Electro Gilders & Galvanizers.—2nd Carpenter Street, Khetwadi Main Road, Bombay 4.

National Hardware & Stores Supply Co.—Post Box 3146, Bombay 3.

GARDENING REQUISITES

Abdeally, B. M., & Co.—127, Sarang Street, Bombay 3. Phone: 31790.

Asian Trading Corporation.—P.O. Box No. 1505, 20, Mangesh Street, Bombay 1.

Caprihana (India) Ltd.—Janmabhoomi Chambers, Fort Street.

Dhani Ram & Sons.—236, Masjid Bunder Road, Bombay 3.

International United Trading Corporation.—80-90, Lohar Chawl, Bombay 2.

Jashwantlal Manecklal & Co.—40, Churchgate Street, Fort.

Marine Sports.—101, 1st Marine Street, Dhobi Talao, Bombay 2.

Reliance Trading Co.—Vithal Sayana Building, Lohar Street, Bombay 2.

Royal Express Agency.—247, Nagdevi Street, Bombay 3.

GAUGES & INSTRUMENTS

GAYTEE & COMPANY.—Janmabhoomi Chambers, Fort Street, Fort, Bombay. Grams: "IMPENG." Phone: 32449.

GEOGRAPHICAL CHARTS, WALL MAPS, GLOBES, ETC.

JECHAND TALAKSHI & SONS.—Empire Building, Hornby Road (Near Capitol Cinema), Fort, Bombay 1. Grams: "CHILDWORLD." Manufacturers of Geographical Materials, Wall Maps, Globes, Charts, etc.

Ondez (India).—79, Ghoga Street, Post Box No. 6212, Bombay.

Phil Educational Co.—79, Ghoga Street, Post Box No. 1450, Fort, Bombay.

SWASTIK GEOGRAPHICAL PUBLISHING BUREAU.—Swadeshi Mills Estate, Roxy Cinema Compound, Tata Road, Bombay. Phone: 23883. Manufacturers of "SWASTIK" Atlases, Wall Maps and other Geographical Materials. Grams: "SWASTIKMAP." Sole Selling Agents for: Blackie & Son (India) Ltd.

GERMAN SILVER UTENSILS MFRS.

Indo-Iranian Trading Corp.—Ava Chambers, Mahatma Gandhi Road, Fort.

LALLUBHAI AMICHAND LTD.—Proprietors: Dun Aluminium Factory, 225-227, Tardeo Road, Bombay 7. Manufacturers of all Non-Ferrous Metalwares and Articles. Phones: 41610 & 73220. Grams: "CYCLEBRAND."

GHEE MERCHANTS (PURE GHEE)

Bashir, S. M., & Bros.—Bachooali House, Haji Bachooali Road. **Bhanji Lavji Forbandar Ghee Supplying Agency.**—258, Kalbadevi Road, Shroff Mansion, Ramvadi Naka, Bombay 2.

Gulam Rasul Allahbux.—1/B, Bachoo Ali House, Nowroji Hill Road No. 1, Bombay 9.

Jayantilal Girdharilal.—36, Kazi Syed Street, Mudi Bazar, Mandvi, Bombay 3.

GLASS

ABDOOLALLY NOORBHROY.—122-124, Abdul Rehman Street, Bombay 3. All kinds of Glass & Plywood Merchants. Government & Railway Contractors. Phone: 24485. Grams: "PATTYMART." Works: 248-A, Duncan Road, Bombay. Phone: 41980.

Abdulhussein Karimji Arsiwalla.—130, Abdul Behman Street.

ALIBHOY KADIBHOY KACHWALA.—84, Abdul Rehman Street, Bombay 3. Phone: 20803. Grams: "BELOGLASS."

ARSIWALLA, KARIMJI EBRAHIMJI.—118-20, Abdul Rehman Street, Bombay 3. Phone: 23473. Grams: "BONE-SETTER."

Bharat Bottle Co.—157, Sheriff Dewji Street, Bombay 3.

Budhabhoy Noorbhoy & Co.—199, Abdul Rehman Street, Bombay, 3.

Craftsman Electronic Corporation Ltd.—240, Navsari Building, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10. Suppliers of Instruments and Accessories for.

DIVECHA GLASS WORKS.—Mirror Manufacturers and Glass Craftsmen, Hirji Govindji Estate, New Nagpada Road, Bombay 8. Phone: 75717. Grams: "VITROFLEX."

Evans Fraser & Co. (India) Ltd.—Fort House, Fort.

Keshowdas Hassanand Karachiwala.—256, Masjid Bunder Road, opp. Imperial Bank of India, Bombay 3.

MAHOMEDALLY VALIJI ARSIWALLA.—76, Abdul Rehman Street, Bombay 3. Phone: 26910. Direct Importers and Dealers in all kinds of Glasses, Plywood and Picture Mouldings; Government & Railway Contractors. Godown at: Choksi Mohalla, Underia Street, Bombay 3. Phone: 70428. Premier Glass Traders.—74-78, Dhanji Street, Bombay 3.

Racek, F., & Co.—Lohar Street, Bombay 2.

GLASS BEADS AND NEEDLES MERCHANTS

Asian Trading Corporation.—P.O. Box No. 1505, 20, Mangesh Street, Bombay 1.

Blascheck, H., & Co.—Dadyseth House, 44, Cowasji Patel Street, Fort.

G. M. Motiwala.—80, Bhusari Mohalla, Bombay 3.

Kothari & Sons.—20, Noble Chambers, Parsi Bazar Street, Fort.

Mahomedally Essofally Kaderbhoy.—88, Sarang Street, Bhusari Mohalla, Bombay 3.

GLASS FACTORIES

PEARL GLASS MANUFACTURING CO.—Patel Estate, Goregaon (East), Bombay. Office at: 44, Cawasji Patel Street, Post Box No. 1627, Fort, Bombay 1. Phone: 28182. Grams: "ASHEWINCO." Manufacturers of all kinds of Glassware and Bottles; Process Works: 51, Bhandari Street, near Round Temple, Bombay 4. Depot: 108, Ardeshir Dady Street, near C.P. Tank, Bombay 4.

GLASS FACTORIES EQUIPMENT

Swadeshi Moulds & Dies Manufacturing Company.—Office: 25, Bank Street, Fort.

GLASS MFRS. AND INDENT OPERATORS

All-India Bottle Supply Co.—153-55, Sheriff Dewjee Road, Bombay 3.

Blascheck, H., & Co.—Opp. Hongkong Bank, 44, Cowasji Patel Street, Fort.

Bombay Glass Works Ltd.—Manmala Tank Road, Bombay 16.

Chunilal Khanna & Co.—Sarasvati Nivas, Thakurdwar Road, Bombay 2.

International Chemical Co.—Tulsi Pipe Road, Matunga, Bombay 16.

THE MAHALAKSHMI GLASS WORKS, LTD.

HAINES ROAD, BOMBAY 11.
Phone: 72458. Grams: "RACEVIEW".

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BOTTLES FOR PHARMACEUTICAL,
COSMETIC AND FOOD PRESERVA-
TION TRADES

AERATED WATER & MILK BOTTLES
are our speciality.

Oriental Import & Export Agency.—52, Shri Krishna Nivas, New Silk Bazar, Kalbadevi Road, Bombay 2.

Salemahomed Padumsee & Co.—141, Chackia Street, Bombay 3.

SWADESHI GLASS WORKS DEPOT.—25, Bank Street, Fort.
Grams: "AUTOGLASS."

GLASS SUBSTITUTE

Latham Abercrombie & Co., Ltd.—Forbes Building, Home Street, Fort.

GLASSWARE MERCHANTS

Abbashbhoy Kaderbhoy Arsiwala.—68, Abdul Rehman Street, Bombay 3.

Abdoolally Noorbhoy.—122, Abdul Rehman Street.

Allbhoy Kadibhoy Kachwala.—84, Abdul Rehman Street, Bombay 3.

Allibux, M., & Co.—110-112, Cawasji Patel Street, Fort.

Alladin Dhanji.—Vithal Sayana Building, Lohar Chawl.

All-India Bottle Supplying Co., The.—153-55, Sheriff Dewjee Road, Bombay 3.

ALL-INDIA GLASS WORKS LTD.—Manufacturers of all kinds of Bottles and Glasswares. Bhandari Street, Bombay 3. Phone: 32911. Factory: Andheri Road, Karia. Phone: 87122. Grams: "WHEELBRAND."

All-India Trading Corporation.—25, Bank Street, Fort. Grams: "Autoglass". Agents for Paisa Fund Glass Products.

Amichand Lawjee.—66-68, Chackia Street, Bombay 3.

Asian Trading Corporation.—P. O. Box 1505, 20, Mangesh Street, Bombay 1.

Balmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate, Fort.

Bashir, S. M., & Bros.—Bachooali House, Haji Bachooali Road.

Blascheck, H., & Co.—Dadyseth House, opp. Hongkong Bank, Fort.

Bombay Pioneer Industrial Corporation, Ltd.—89, Princess Street, Bombay 2.

Central Bottle Trading Co.—Padamsi Annexe, Chackia Street, Bombay 3.

Chunilal Desai & Co.—Gool Mansion, Homji Street, Fort.

Currimbhoy, L., & Co.—156, Chackia Street, Bombay 3. Grams: "Cupsaucer." Phone: 24890. Glassware, Crockery, Enamel-

ware, Cutlery and Lampware dealers.

Daudbhoy M. Tayabally.—110, Abdul Rehman Street, Bombay 3.

Dawood Haje Nasser & Co.—Manekia Chambers, 1st Marine Street, Dhobi Talao.

EMBI DESAI & CO.—Office: Dadyseth House, Cawasji

Patel Street, Fort, Post Box No. 1116, Bombay 1. Depot:

108, Ardeshir Dady Street, near C. P. Tank, Bombay 4.

Process Works: 51, Bhandari Street, near Round Temple,

Bombay 4. Factory: Patel Estate, Goregaon (East), Bom-

bay. Ahmedabad Office: Javabhuwan, Inside Balahannaman,

Ahmedabad. Grams: "ASHEWINCO." Phone: 28182.

Evans, Fraser & Co., Ltd., The.—Fort House, Hornby Road, Fort.

General Import Co. (India).—Heera Building, 1st Floor, 174, Carnac

Road, Bombay 2.

Gets Bros. & Co.—Western India House, Sir Phirozshah Mehta

Road, Fort.

Gulam Rasul Allahbux.—1/B, Bachooali House, Nowroji Hill Road

No. 1, Bombay 9.

HAMIR JAMAL & COMPANY.—Importers, Wholesale and

Retail Dealers and Order Suppliers in Glassware, Domestic,

Hardware, Crockery, Cutlery, Platedware, Fancygoods &

Household Articles. Showroom: 14-16, Lohar Chawl,

Bombay 2. Phone: 34763. Grams: "CRITERION."

Haneef, S. M., & Co.—Bachooali House, Haji Bachooali Road,

Bombay 9.

Kalapi Store.—35-36, Swadeshi Market, Kalbadevi Road, Bombay 2.

Kishinchand & Co. (India).—188, Hornby Road, Fort.

Kothari & Sons.—20, Noble Chambers, Parsi Bazar Street, Fort.

Lachhwani & Co.—19, Hamam Street, Fort.

Matani Bros.—84, Mahomedali Road, Bombay 3.

McKenzies Ltd.—Sewri.

M. Daldas & Sons.—190, Princess Street.

Moosa Omer & Co.—Junction of Mahomedally & Carnac Roads,

New India Trading Co.—46, Churchgate Street, Fort, Bombay.

Oster, F. & C., Ltd.—Swadeshi Mills Compound, New Queen's Road.

Sally Glass Palace.—Ebrahim Building, Mahomedalli Road,

Bombay 3.

Salemahomed Padumsee & Co.—141, Chackia Street, P. O. Box 3131,

Bombay 3.

Saunbhagya Kankan Store.—27/A, Swadeshi Market, Kalbadevi

Road.

Scientific Instrument Co., Ltd.—Navsari Building, 240, Hornby

Road, Fort.

Shivji, K. S., & Co.—144-46, Chackia Street, Bombay 3.

Swadeshi Glass Works Depot.—25, Bank Street, Fort, Bombay.

TALWARKER, W. R.—Lentia Chambers, Dalal Street, Fort.

Phone: 30367. Grams: "PUMPENAMEL."

UNITED GLASS WORKS LTD.—Manufacturers of Bottles

and Glasswares. 111, Bhandari (Chackia) Street, Bombay 3.

Phone: 32912. Factory: Silver Compound, Society Road,

Andheri. Phone: 86159. Grams: "GLASSBOTS."

Universal Glass & Industrial Corporation.—327, Hornby Road, Fort.

Vasir Glass Works, Ltd.—Prospect Chambers, Hornby Road, Fort.
Vasiralli Ltd.—Prospect Chambers, Hornby Road, Fort.
Versatile Traders, Ltd.—Behramji Mansion, Sir Phirozshah Mehta Road, Fort.

GLYCERINE

Biddle Sawyer & Co. (India) Ltd.—25, Dalal Street, Fort.

KANTILAL SANGHEVI & CO.—Mherwan Building, Sir Phirozshah Mehta Road, Fort. Phones: 34261 & 28188. Grams: "EXPIM."

Lever Bros. (India), Ltd.—Scindia House, Ballard Estate, Bombay.
Tata Oil Mills Co., Ltd.—Bombay House, Bruce Street, Fort, Bombay.

GOLD AND SILVER THREAD LAMETTA MERCHANTS

Akbarally Abdulhusain & Co.—19, Sutar Chawl, Bombay 2.
Blascheck, H. & Co.—Dadyseth House, opp. Hongkong Bank, Fort.
Craftsman Electronic Corporation Ltd.—Navsari Chambers 240, Hornby Road, Fort and Methna Hall, Nesbit Road, Mazagaon, Bombay 10. Suppliers of Furnaces and Instruments for.
Jhaveri Bros. & Co.—Medows Street, Fort.
Mohamedalli Gulamhusain Imanl.—13, Sutar Chawl, Bombay 2.

GOLD AND SILVERSMITHS

(See Jewellers, Gold and Silversmiths, etc.)

GOLDSMITH AND JEWELLERS TOOLS

SEAH TRADING CORPORATION.—Oomrigar Building, 1st Floor, opp Crawford Market, Bombay 3. Goldsmith Tools and Hardware Merchants.

GRAIN AND SEED MERCHANTS

Adam Haji Peermahomed Essack.—Ahmed Dewji Building, Mahomedally Road.
Bhanushall Brothers Ltd.—Bhanushall Chambers, 168, Argyle Road, Bombay 9.

Birla Bros., Ltd.—Imperial Bank Annex, Bank Street, Fort.
Damji Mavji & Co.—177, Khoja Gulli, Mandvi, Bombay 9.
Dewji Dhanji & Co.—Kilachand Mansion, 284, Kalbadevi Road.
Dhanpatmai Jawaladas.—Court House, Carnac Road, Dhobi Talao.
Grain Merchants' Association.—Musjid Bunder, Mandvi.
Gulam Basul Allahbux.—1-B, Bachooali House, Nowroji Hill Road No. 1, Bombay.

Haji Satar Haji Peermahomed.—91, Rangoonwalla Building, Mahomedali Road, Bombay 3.
Haneef, S. M., & Co.—Bachooali House, Haji Bachooali Road, Bombay 9.

Hariram Gopalji & Co.—110, Chinch Bunder.
Hashambhoy Aloo Mahomed & Son.—Dostmahomed Building, Nahanpada Road, Khadak, Bombay 9.

Husein Mussa Virjee & Co.—Sheilif Hasam Building, Khoja Mohalla.
Joshi Jivandas Gangaram & Co.—282, Narsi Natha Street, Bombay 9.

Khinji Poonja & Co.—Wadia Building, 17/19, Dalal Street, Fort.
Kilachand Devchand & Co., Ltd.—45-47, Apollo Street, Fort.
Keovorji Becharial.—350-54, Narsi Natha Street, Bombay 9.

Meghji Hirji & Co.—21, Chinch Bunder Road.
Nappoo Nensee & Co.—83, Clive Street, Bombay 9.

Narandas Rajaram & Co.—Navsari Chambers, Outram Road.
Omedchand Kashiram & Co.—Mull Bazar, Mandvi, Bombay 3.
Padamahi Pancharia & Co.—Laxmidas Narsi Building, 182-184, Walkeshwar Road.

Pan-Asiatic Overseas Co., Ltd.—19, Sir Phirozshah Mehta Road, Fort.

Pavri Sons & Co.—95/97, Bazargate Street, Fort.
Premchand Trading Ltd.—7, Dhanji Street, Bombay 3.

Premji Dhanji & Co.—Ardeshr Mansion, Bhat Bazar, Bombay 9.
Premji Haridas & Co.—Bhanushall Building, 168, Argyle Road, Bombay 9.

Ralli Bros., Ltd.—21, Ravellin Street, Fort.
Sarvajani Grain Stores.—190, Doctor Street, Null Bazar.

Shah Ravji Jivraj.—282, Narsi Natha Street, Bombay 9.
Shamji Velji & Co.—Anand Bhuvan, Narsi Natha Street, Bhat Bazar.

Shivjee Bhara & Co.—107, New Chinch Bunder Road.
Vasantlal Vadihal & Co.—215-17, Samuel Street, Vadgadi.
Vasiralli Ltd.—Prospect Chambers, Hornby Road, Fort.
Velji Kalidas & Sons.—177, Samuel Street, Mandvi.

Yuvak Stores, Shri.—399A, New Hanuman Lane, Kalbadevi Road.

GRAMOPHONE DEALERS AND MANUFACTURERS

Air India Watch Co.—Opp. Bhangwadi, Kalbadevi Road, Bombay 2.
Anandji Kalyanji Vasa.—Hathi Building, 448, Kalbadevi Road.
Bombay Phono and General Agency.—520-22, Kalbadevi Road.
Britannia Talking Machine Co.—407, Kalbadevi Road, Bombay 2.
Columbia Gramophone Company Ltd.—Universal Building, Sir Phirozshah Mehta Road, Fort. P. O. Box 1163, Bombay.
Excelsior Watch Co., Ltd.—64-64A, Abdul Behman Street, Post Box No. 3001, Bombay 3.

Ghaisas, G. J., & Co.—Ramchandra Building, Tram Terminus, Girgaum.

Gramophone Co., Ltd.—Universal Fire & General Insurance Co.'s Building, Sir Phirozshah Mehta Road, Fort.

Jawahar & Company.—133, Princess Street, Bombay 2.

Masters Trading Co.—Advani Chambers, Sir Phirozshah Mehta Road, Fort.

Metro Musics.—545, Kalbadevi Tram Junction, Dhobi Talao.

Morgan Milton Ltd.—Wavell House, Graham Road, Ballard Estate, Bombay 1.

National Gramophone Record Manufacturing Co., Ltd.—110, Medows Street, Fort.

Oriental Watch & Gramophone Co., The.—Opp. B.B. & C.I. Rly. Station, Dadar, Bombay 14.

Pramashaw Motor Co., The.—420, Lamington Road, Bombay 4.

Rhythm House, The.—Opp. Army & Navy Stores, Fort.

Rose, S., & Co.—28, Rampart Row, Fort.

GRINDERY (SHOE MATERIALS)

Indo-European Trading Co.—98, Dhabu Street, Bombay 3.

GRINDING & PULVERISING (POWDERING)

Arvinda Trading Co., Ltd.—105, Apollo Street, Fort.

BATLIBOI & CO.—Engineers and Machinery Importers.

Head Office: Forbes Street, Fort, Bombay 1. Phones: 30007-8-9 (3 Lines). Tel. Address: "BATLIBOICO."

Branches: Batliboi House, Nagdevi Cross Lane, Bombay 3;
3-153, Broadway, Madras; P-34, Mission Row Extension, Calcutta; 55-B, Japan Buildings, New Chowli, Delhi; 12-SD, Variety Hall Road, Coimbatore; Reid Road, Ahmedabad; 26-59, Birhana Road, Kanpur.

Butt Bros.—163, Nagdevi Cross Lane, Bombay 3. Distributors for "Solor" Grinding Mills (Denmark).

Gujarat Clay Mills.—246, Reay Road, Bombay 10.

Jayems Engineering Co.—Warden House, Sir Phirozshah Mehta Road, Fort.

Parrot Mill.—Opp. Noor Bang, Bombay 9.

Roberts, McLean & Co., Ltd.—Ilaco House, Sir Phirozshah Mehta Road, Fort.

Standard Pulverising Co.—Atlas Mills Compound, Reay Road, Bombay 10.

Thos. W. Ward (India) Ltd.—Marshall Building, Ballard Road, Ballard Estate, Fort.

WESTERN MANUFACTURING CO.—Hassan Chambers, Parsi Bazar Street, P.O. Box No. 1230, Fort. Phones Office: 32284; Workshop: 40147. Grams: "WESTERWORK."

GUM KARAYA

Gum Karaya Export Co.—75, Khand Bazar, Bombay 3.

Vithaldas & Co.—75, Khand Bazar, Bombay 3.

GUM OLIBANUM (ESSESS)

Shah Harshadray Jivnallal. 7, Shree Ram Market, Old Barden Lane, Vadgadi, Bombay 3.

GUMS WHOLESALERS

ALL INDIA HERB SUPPLY CO., LTD.—Gourmukh Bhavan, Masjid Bridge, P.O. Box No. 5041, Bombay 2. Phone: 28860. Grams: "LIQUORICE."

Balugal Santsaram.—204, Samuel Street, Vadgadi, Bombay 3.

Bharat Pulverising Mills.—Chinchpokli Cross Lane, Byculla, Bombay 27.

Champaklal Morarji & Co.—103, Samuel Street, Vadgadi, Bombay 9.

Chandulal & Co., Lakhwala.—313, Samuel Street, Vadgadi.

Chemantex.—11, Bank Street, Fort.

Chimanlal Patel & Co.—174, Hornby Road, Fort.

Damji Mawji & Co.—177, Khoja Gulli, Mandvi, Bombay 9.

Dawood Haje Naser & Co.—Maneckia Chamber, 1st Marine Street, Dhobi Talao.
 Dhirren & Co.—Lakhani Building, 34, Cawasji Patel Street, Fort.
 Din Products Ltd.—219, Frere Road, opp. G. P. O., Fort.
 East African Traders.—75, Khand Bazar, Bombay 2.
 Gopaljee & Co.—218, Samuel Street, Vadgadi.
 Hashambhoy Aloo Mahomed & Son.—Dostmahomed Building, Nishanpada Road, Khadak, Bombay 9.
 Holmes & Co., Ltd.—Alice Buildings, Hornby Road, Fort.
 Jagkumar & Co.—Prospect Chambers Annexe, 317/21, Hornby Road, Fort.
 Jehangir J. M. Poonjiajee.—Byramji Mansion, Sir Phirozshah Mehta Road, Fort.
 Joshi Jivandas Gangaram & Co.—282, Narshi Natha Street, Bombay 9.
 Kirtikumar Chandulal & Co.—313, Samuel Street, Vadgadi, Bombay.
 Laljee Godhoo & Co.—213, Samuel Street, Vadgadi.
 Morgan Miller & Co.—219, Frere Road.
 Narandas Kesurdas & Sons.—222/24, Vadgadi.
 Paramount Traders.—Bhagwan-Bhuvan, 61, Tejpal Road, Ville Parle (East), Bombay 24. Grams: "Undisheri." Indentors and Commission Agents.
 Ram Agency.—200, Kazi Sayed Street, Bombay 9.
 Sizing Materials Co., Ltd.—Jeroo Building, 137, Mahatma Gandhi Road, Fort.
 Stewart's Laboratories.—327, Hornby Road, Fort.
 Sudan Trading Co.—Dhun-Nur, Sir Phirozshah Mehta Road, Fort, Bombay 1.
VALABHIDAS TEJPAL.—219, Vadgadi, Bombay 3. Phone: 71878. Grams: "BATTLEMENT."
 Varjiwandas Hirjee & Co.—240, Samuel Street, Vadgadi.
 Vasantlal Vaddal & Co.—215/17, Samuel Street, Vadgadi, Bombay 3.
 Velji Kalidas & Sons.—90-92, Khand Bazar, Mandvi, Bombay 3.
 Vijaysinh Virchand.—218, Samuel Street, Vadgadi, Bombay 3.
 Waghji Lakhmidas & Co.—206, Samuel Street, Vadgadi.
WEIL COMPANY.—Chateau Marine, 41-B, Marine Drive, Bombay 1. Phone: 34593. Cables: "WEILETGO."
 Western Mercantile Co.—38, Western India House, Sir Phirozshah Mehta Road, Fort.

HAIR-DRESSERS

Army & Navy Stores, Ltd.—Mahatma Gandhi Road, Fort.
 DeLuxe.—Amarchand Building, Mayo Road.
 Ginetta & Co.—Cecil Hotel, Apollo Bunder.
 "Hygea"—Next to Chinese Restaurant, 4, Cusrow Bang, Colaba Causeway, Fort.
 "Kay"—Habib Chambers, opp. Berkley Place, Byculla Bridge.
 Maison Jean.—York House, Barrow Road, opp. B.E.S.T., Colaba.
 Maison Nino.—Kismet, Chanda Ranji Estate, Colaba 5.
 Primo.—Habib Flats, opp. Berkley Place, Byculla.
 Ray.—22, Cusrow Bang, Colaba Causeway.
 Taj Mahal Hair Dressing Saloon.—Taj Mahal Hotel, Apollo Bunder.
 Veronica.—Queen's Chamber, Queen's Road.

HANDKERCHIEFS & HANDKERCHIEF CLOTH

Pan-India Overseas Co.—Gandhi Mansion, New Silk Bazar, Bombay 2.

HARD BOARD

NASH & CO.—103, Abdul Rehman Street, Bombay 3. Govt. & Rly. Contractors and also Dealers in Expanded Metal, Galvanised Brass, Copper Wire-nettings, Plain Zinc Sheets, Perforated Brass, Copper Zinc Sheets, Welded Mesh Green Wire-nettings, Asbestos Cement Sheets, Plain Corrugated Veneer Plywood, Masonite, Presswood, Plywood, Woven Wire Fence and Wire-netting, Decorative Plywood for furniture as a Teak, Mahogany, Walnut in all sizes and thickness. Phone: 33968.

HARDWARE DEALERS AND IRONMONGERS

Abbas & Brothers.—51, Bhajipala Street, Bombay 3.
 Abbas, A., & Brothers.—127, Nagdevi Street, Bombay 3.
 Abbasbhai Akbarally & Co.—Kika Street, 85, Gulaiwadi.
 Abbasbhai Kaderbhai & Co.—97, Bhajipala Lane, Bombay 3.
 Abdeally, B. M., & Co.—127, Sarang Street, Bombay 3. Phone: 31790.
 Abdool Husein Jiwahee & Co.—241, Nagdevi Street, Bombay 3.

Abdulhusain Kamrudin.—183, Janjkar Street, Khokha Bazar, Bombay 3.
 Abdulqadar Shamsuddin & Co.—48, Khokha Bazar, Bombay 3.
 Abdulla A. Baker & Co.—89, Bhajipala Street, Bombay 3.
 Abdullahbhai Faizullahbhai Ltd.—Khokha Bazar, Bombay 3.
 Acme Manufacturing Co., Ltd.—Construction House, Wittet Road, Ballard Estate.
 Adamally Gulamhusein.—Sarang Street, 191, Khokha Bazar, Bombay 3.
 Adamally Sons Ltd.—277, Nagdevi Street, Bombay 3.
 Adamji Lookmanji & Co.—Bahintoola House, Homji Street, Fort.
 Adamji Lookmanji (Iron & Steel) Ltd.—Bahintoola House, Homji Street, Fort.
 Ahmedally Jivabhai & Co.—86-88, Lohar Chawl.
 Akbarally, F. H., & Co.—58, Bhajipala Lane, Bombay 3.
 Alcock Ashdown & Co., Ltd.—Defence Works, Mazagaon.
 Allabux, M., & Co.—110-112, Cawasji Patel Street, Fort.
 Aladdin Virjee Nathani.—Darukhana, Mazagaon Street, Bombay 10.
 Allied Engineering & Trading Co.—Asian Building, Nicol Road, Ballard Estate.
 Allied Trading Co.—39, Nagdevi Street.
 Almeida, J. C.—National Insc. Building, 27, Bastion Road, Fort.
 Anes R. Minase Bros.—Shahru Castle, 64, Mahomedalli Road.
 Arco Steels.—Prospect Chambers Annexe, Hornby Road, Fort.
ARSIWALLA, KARIMJI EBRAHIMJI.—118-20, Abdul Rehman Street, Bombay 3. Phone: 23473. Grams: "BONESETTER."
 Arvinda Trading Co., Ltd.—105, Apollo Street, Fort.
ASGERALI NURUDDIN & CO.—Pipe Fittings, Sanitaryware and Hardware Merchants, 95, Nagdevi Street, Bombay 3. Phone: 22609.
 Asian Engineers.—Nagdevi Cross Lane, Bombay 3.
 Asian Textile Engineering Corporation.—Kermani Building, Sir Phirozshah Mehta Road, Fort.
 Asian Trading Corporation.—P. O. Box No. 1505, 20, Mangesh Street Bombay 1.
 Associated Agencies (Bombay).—47, Podar Chambers Fort, Bombay.
 Associated Corporation of Industries (India) Ltd.—Commerce House, Currimbhoy Road, Ballard Estate, Fort.
 Associated Machine & Tool Co.—130, Meadows Street, Fort.
 Associated Services Ltd.—All Chambers, Meadows Street, Fort.
 Auto Agency.—Dwarkanadas Mansion, Sandhurst Road, Bombay 4.
 B. C. Hardware Mart.—38, Bibijan Street, Nagdevi, Bombay 3.
 Baker, A. M., & Co.—218, Nagdevi Street.
 Bakshiram & Co.—Ahmed Building, 120, Modi Street, Fort.
 Balasnor Trading & Industrial Corporation.—Umrigar Building, 82, Lohar Chawl.
 Balmer, Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate.
 Bashmal Kanahyalal.—124, Narayan Dhuru Street, Bombay 3.
BATLIBOI & CO.—Engineers and Machinery Importers. Head Office: Forbes Street, Fort, Bombay 1. Phones: 30007-8-9 (3 Lines). Tel. Address: "BATLIBOICO." Branches: Batliboi House, Nagdevi Cross Lane, Bombay 3; 3-153, Broadway, Madras; P-34, Mission Row Extension, Calcutta; 55-5, Japan Building, New Chowri, Delhi; 12-5D, Variety Hall Road, Coimbatore; Reid Road, Ahmedabad; 26-59, Birhana Road, Kanpur.
 Batliboi, C. J., & Co.—319, Hornby Road, Fort.
 Baxi, S., & Bros.—218, Masjid Bunder Road, Bombay 3.
 Beardell, W. A., & Co., Ltd.—15-16, Sir Phirozshah Mehta Road, Fort.
 Beharimal Jaggamal.—29, Latif House, Argyle Road, Carnac Bunder, Bombay 9.
 Bhagat & Sons Ltd.—Sewree Fort Road.
 Bhasin Brothers.—Court House, 1st floor, Dhobi Talao, Bombay 2.
 Bhukhanvala & Sons.—Meadows House, Meadows Street, Fort.
 Bhutt Bros.—163, Nagdevi Cross Lane, Bombay 3.
 B. Kantilal & Co.—272, Masjid Bunder Road, opp. Imperial Bank, Bombay 3.
 Blancheck, H. & Co.—Dadyseth House, opp. Hongkong Bank, Fort.
 Bombay-Burma Hardware Store.—128, Nagdevi Street, Bombay 3.
 Bombay Metal Products Co.—80, Khandewadi, Bombay 4.
 Bombay Steel Corporation.—241, Kumbharwada, opp. 2nd Sutar Lane, Bombay 4.
BOMBAY TUBE & HARDWARE MART LTD.—284, Nagdevi Street. Phone: 25934.
 Brady, W. H., & Co., Ltd.—Royal Ince. Building, Vir Nariman Street, Fort.
 Brothers, J. D.—29-33, Lohar Street, Fort.
 Budhabhoy Noorbhoy & Co.—199, Abdul Rehman Street.
 Builders & Engineers Co.—Anaraville, 3, Lady Jambhedji Road, Bombay 16.
C. AMICHAND & CO.—46A, Abdul Rehman Street, Bombay 3. Dealers in Hardware and Non-Ferrous Metals.
 C. Bole & Co.—61, Narayan Dhuru Street, Bombay 3.
 Central Machine Tools Agency.—43, Nagdevi Cross Lane, Bombay 3.
 Central Trading Co.—81, Cawasji Patel Street, Fort.
 Chadha, B. M., & Co., Ltd.—Jan Mansion, Sir Phirozshah Mehta Road, Fort. P. O. Box 671, Bombay.

Chamdawalla Traders.—321, Vithalbhaj Patel Road, Bombay 4.
 Chandulal & Co.—Kathawalla, 313, Samuel Street, Bombay 9.
 Chandulal Jethalal & Co.—2, Mirchi Gali, Katha Bazar.
 Chandulal Narandas.—98, Kika Street, Bombay 4.
 Chasman & Co.—Bell Building, Sir Phirozshah Mehta Road, Fort.
 Chhabildas & Co.—78-A, Abdul Rehman Street.
CHHAGANLAL & CO.—Carnac Bunder, Bombay No. 9.
 Phone: 20781. Grams: "CONTRACTS."
CHHUTTAN LALL MATHU MAL.—37, Bibijan Street, Barbhaj Mohalla, Bombay 3. Importers, Hardware and Mill Store Dealers. Grams: "SHIVAWORKS."
 Chikhal, M. B.—P. O. Box 913, 20, Hamam Street, Fort.
 Chimmanlal Desai & Co.—Gool Mansion, Hornby Street, Fort.
 Choket Brothers.—315, Sandhurst Road, Bombay 4.
 Choket, H., & Co.—108, Meadows Street, Fort.
CHUNILAL KHANNA & CO.—Saraswati Niwas, Thakurdwar Road, Bombay 2.
COMMERCIAL TRADERS.—23-25, Old Hanuman Lane, Bombay 2. Phone: 28962. Grams: "MILLMARINE." Manufacturers of Railway and Marine Lamps.
 Cosmo Trading Corporation.—156, Sheikh Memon Street, Bombay 2.
 O. P. Doshi & Co.—Bombay Mutual Building, Hornby Road, Fort.
CURRIM, E. A., LTD.—Hardware Merchants & Ironmongers, 97, Apollo Street, Fort. Phone: 20216. Grams: "CAIM."
 Curtis, J. & Co., Ltd.—36-40, Mahalaxmi Bridge Arcade, Bombay 11.
 Dawoodbhai, M., & Bros.—Hararwalla Building, Lohar Chawl.
 Desai, M. S., & Co.—77, Nagdevi Cross Lane, Bombay 3.
 Desco Commercial Corporation.—14, Old Custom House Road, Fort.
 Deviprasad Khandelwal & Co., Ltd.—Iron Jatha, Carnac Bunder.
 Dewanchand Budhmal.—53/55, Bibijan Street, Bombay 3.
 Dhirajlal & Co.—62, Princess Street.
 Diarvi Trading Co.—87, Nagdevi Cross Lane, Bombay 3.
 Dinsha, N. & Co.—C/o The Bharat Tiles Ltd., 20, Apollo Street, Fort.
 Dixon, H. I. & Co., Ltd.—Ajam Building, Ballard Estate, Fort.
 Dohadwalla, R. H., & Co.—145, Nagdevi Street.
 Dominion Products.—19, Bank Street, Fort.
 Dretwet Chowna & Co.—Lentin Chambers, Meadows Street, Fort.
 Dubash Freres & Co.—Victoria Building, Parsi Bazar Street, Fort.
 Duncan, Stratton & Co.—5, Bank Street, Fort.
EAST ASIATIC COMPANY (INDIA) LTD.—Wavell House, Graham Road, Ballard Estate. Phone: 30995.
 Eastern Import & Export Co., The.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.
 Electro Engineering Co.—Sea View, 1st Pasta Lane, Colaba.
ESOOFULLY AHMEDALLY.—Null Bazar, Matton Street, Bombay 3. Phone: 71400. Grams: "HARDELLOWERS." Hardware Tools and Machinery Merchants and Direct Importers.
 Esuffally Adamji & Co.—134, Nagdevi Street.
 Esuffally Kamrudin.—34, Khoka Bazar, Bombay 3.
 Evans, Fraser & Co.—Fort House, Hornby Road, Fort.
 Excellent Engineering Co.—11, Botawalla Building, Elphinstone Circle, Fort.
 Fairdeal Hardware Stores.—206-A, Abdul Rehman Street, Bombay 3.
FIDALLY GULAMALI.—163, Janjekar Street, Bombay 3. Phone: 24533.
 Fleming, John & Co., Ltd.—Sukhadwala Building, 21, Bastion Road.
 Gannon, Dunkerley & Co., Ltd.—Chartered Bank Building, Mahatma Gandhi Road, Fort.
GANGARAM & CO., R.—180, Masjid Bunder Road, Bombay 3. Phone No. 71573. Grams: "JOSHIMETAL."
 Garlick & Co.—Haines Road, Jacob Circle.
 G. C. Vora & Co.—107, C. P. Tank Road, Bombay 4.
 General Trading Corporation.—36-B, Tamarind House, Tamarind Lane, Fort.
 General Tubes Ltd.—142-144, Nagdevi Street, Bombay 3.
 Gill Grewall (India).—57, Razmah, Lady Jamshedji Road, Bombay 28.
 Globe Stores Co., The.—Sitaram Building, near Crawford Market, Hornby Road.
 Great Eastern Trading Co., The.—107, Cawasji Patel Street, Fort.
 Graves, Cotton & Co., Ltd.—1, Forbes Street.
 Greentoe Corporation (India).—Cama Buildings, 24-26, Dalal Street, Fort.
 Gulamhussein Sulemanji & Co.—Manu Bhuvan, 24, Kika Street, Gulawadi.
 Gulam Rasul Allahbux.—1B, Bachoo Ali House, Nowroji Hill Road, Bombay 9.
 Haiderbhai Esmailji & Co.—168, Nagdevi Street, Bombay 3.
 Hamir Jamal & Company.—Showroom: 14/16, Lohar Chawl, Bombay 2.
 Harchandani Sons.—229, Masjid Bunder Road, Bombay 3.
HARDWARE & STEEL IMPORT CO., LTD.—Haselini Chambers, 33, Nanabhai Lane, Fort. Grams: "IMPORTCO." Bombay. Direct Importers, Merchants and Commission Agents.

Hardware & Sundries Importing Agency.—Hanabaw Building, 19, Bank Street, Fort.
 Harjimal Kidarnath & Co.—87, Nagdevi Cross Lane, Bombay 3.
 Hatimbhoy, A., & Co.—Argyle Road, Bombay 9.
 Hatimbhoy Goolamhussein & Bros.—193, Nagdevi Street.
 Heptoola Noorudin & Co.—152-54, Nagdevi Street, Bombay 3.
 Herman & Mohatta, B. R., Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort.
 Hind Trading Co.—All Chambers, 78-80, Tamarind Lane, Fort.
 Hirshal Gokaldas Dalal & Co.—45, Nagdevi Cross Lane, Bombay 3.
 Honesty Trading Corporation.—Bombay Mutual Annexe, Gunbow Street, Fort.
 Hussain & Bros., M. A.—Lakshmi Building, Sir Phirozshah Mehta Road, Fort.
 Hussein Mussa Virjee & Co.—Sheriff Hasam Building, Khoja Mohalla, Bombay 9.
 Huseni Bros.—129, Lohar Street, Bombay 2. Phone: 34748.
 Indo Bombay Trading Co.—34, Nagdevi Street, Bombay 3.
 Industrial Syndicate.—Lentin Chambers, Dalal Street, Fort.
INTERNATIONAL TOOLS & HARDWARE STORES.—84, Kika Street, Bombay 4. Phone: 73636. Grams: "SANITARY."
 International United Trading Corporation.—80-90, Lohar Street, Bombay 2.
 Iron & Hardware (India) Co.—98, Nagdevi Cross Lane, Bombay 3.
 Jacks & Co., Ltd., William.—Hamilton House, Graham Road, Ballard Estate.
 Jagkumar & Co.—Prospect Chambers Annexe, 317/21, Hornby Road, Fort.
JAIRAMDAS & SONS.—163, Narayan Dhuru Street, Bombay 3. Grams: "JAIRAMDAS." Phones: 31120 and 32836 (Ext. 36).
 Jashwantlal Maneklal & Co.—40, Vir Nariman Street, Fort.
 Jayant Metal Manufacturing Co.—152, Lohar Street, Bombay.
 Jayantilal & Brothers.—38, Bibijan Street, Nagdevi, Bombay 3.
 Jaysukhlal & Bros.—82-86, Abdul Rehman Street, Bombay 3.
 Jitendraraj & Bros.—Devkaran Mansion, No. 5, Mangaldas Road, Bombay 2.
JIVRAJ & VRAJLAL.—122, Nagdevi Street, Bombay 3. Phone No. 33038. Grams: "SANIPIPES."
 Kamleshankar, P. Joshi.—72-80, Nagdevi Cross Lane, Bombay 3.
 Kanakia Corporation.—163, Nagdevi Cross Lane, Bombay 3.
 Kantilal Sanghvi & Co.—Mhorwan Building, Sir Phirozshah Mehta Road.
 Kishanlal Naraldas Jailwalla.—157, Abdul Rehman Street, Bombay 3.
 Khambhaty, H. A., & Co., Ltd.—45-47, Lohar Street, Bombay 2.
 Khushiram Tarachand Ltd.—23, Argyle Road, Bombay 9.
 K. Kirtanlal & Co.—114-16, Zaveri Bazar, Bombay 2.
 Kishor Trading Co.—145, Narayan Dhuru Street, Bombay 3.
 Kothare & Sons.—20, Noble Chambers, Parsi Bazar Street, Fort.
 Kurwa & Kajli.—142-44, Abdul Rehman Street.
 Lookmanji Moosaji, Diamond Building, Lohar Chawl, Bombay 2.
MACHINE TOOLS & IMPLEMENTS.—Advani Chambers, Sir Phirozshah Mehta Road, Fort. Phone: 22868. Grams: "MACHETOOLS." Branch: 24, Nagdevi Cross Lane, Bombay 3.
 Mahomedally Valibhoy.—83, Abdul Rehman Street, Bombay 3.
 Malcolm & Co.—263, Hornby Road, Fort.
 Manekchand Jivraj & Co.—Darukhana, Mazagaon, Bombay 10.
 Mangaldas & Sons.—Lentin Chambers, Dalal Street, Fort, Bombay.
 Maneta, N., & Bros.—165, Lohar Chawl, Fort.
 Mapara Parekh & Co.—Ghodbunder Road, Santa Cruz, Bombay 23. Manufacturers of "T" Hinges.
 Marine & Mills Agencies.—197, Nagdevi Street, Bombay 3.
 Mashruwalla, C. M., & Co.—172/74, Nagdevi Street, Bombay 3.
 Masani Bros.—84, Mahomedali Road, Bombay 3.
 Mehta & Company.—Latif House, Argyle Road, Iron Market, Bombay 9.
 Mehta & Co., S.—Anees Chambers Annexe, Carnac Road, Bombay 1.
 Mehta Hardware Mart.—81-83, Nagdevi Street, Bombay 3.
 Mehta, H. P., & Co.—112, Nagdevi Street, Bombay 3.
 Mehta Motor Stores.—Banji Nivas, Sandhurst Road.
 Mehta Textile & Hardware Stores.—158/160, Narayan Dhuru Street, Bombay 3.
 Metrogold Brass Manufacturing Co.—50, Nesbit Road, Mazagaon.
 Modern Hardware & Trading Co.—107, Abdul Rehman Street, Bombay 3.
 Modern Machine Tools Co.—88, Nagdevi Cross Lane.
 Modern Mill Stores.—97, Nagdevi Street, Bombay 3.
 Modi Gandevis & Co.—Western India House, Sir Phirozshah Mehta Road, Fort.
 Modi Trading Co.—163, Nagdevi Cross Lane, Bombay 3.
 Moobhoy, Ahmed S., & Sons.—281, Nagdevi Street.
 Morison Nicols (India).—Shree Kant Bhuvan, Picket Road.
 Munchejee Byramjee & Co. (Estd. 1882).—Office and Factory: Jeraibhoy Street, 100, Fortas Road, near Municipal Workshop, Bombay 8.
 Najmuddin Bros.—Akbar Chambers, Mahomedali Road, Bombay 3.
 Nanalal Ambalal & Co.—69, Nagdevi Street.
 Naterwalla & Co., S. R.—Bombay Mutual Annexe, Gunbow Street, Fort.

NATIONAL HARDWARE & STORES SUPPLY CO.—Post Box 3146, Bombay 3. Phone: 33462. Grams: "REQUISITES."
NATVERLAL & BROS.—Hardware Merchants and Direct Importers. 180, Nagdevi Street, Bombay 3. Phone: 27910. Grams: "NATVERBROS."

NEW INDIA HARDWARE MART.—152, Narayan Dhuru Street, Bombay 3. Grams: "FREERTRADE." Phone: 24168.
 Nooroodin Shaikadam & Co.—159, Nagdevi Street, Bombay 3.
 Oohavial, R., & Co.—86, Nagdevi Street, Bombay 3.
 Odhavji, B., & Co.—Carnao Bunder, Argyle Road, Bombay 9.
 Orient Paint & Hardware Mart.—67, Habib Building, C. P. Tank Road, Bombay 4.

Panalal Mohanlal & Co.—87-89, Nagdevi Street, Bombay 3.
 Pan-Asiatic Overseas Co., Ltd.—19, Sir Phirozshah Mehta Road, Fort.
 Pans & Co.—105, Apollo Street, Fort.

PARAMOUNT (INDIA) LTD.—Kermami Building, Sir Phirozshah Mehta Road, Fort, Bombay 1.

Paramount Tools Company.—3, Narayan Dhuru Cross Lane, Bombay 3.

Paramount Traders.—Bhagwan-Bhuvan, Villeparle (East), Bombay 24. Grams: "Undisheerl." Indentors and Commission Agents.

Parekh & Parbhoo Ltd.—Khetwadi Back Road, Bombay 4.
 Parekh, P. S., & Co.—108, Nagdevi Street.

Parkeen Brothers.—109, Esplanade Mansion, Mahatma Gandhi Road, Fort.

Patel, U. D., & Co.—11, Bank Street Building, Fort.
 Patell, P. R., & Co., Ltd.—Mherwan Building, Sir Phirozshah Mehta Road, Fort.

Pavri, J. K.—10, Karim Chambers, Hamam Street, Fort.

P. Dillip & Co.—74, Laxmi Building, Sir Phirozshah Mehta Road, Fort.

Pioneer Hardware & Engineering Corporation.—Sangli Bank Building, 296, Bazargate Street, Fort, Bombay. Phone: 34394.

Porbunderwalla, A. K., & Bros.—Ruby Mansion, 92, Parsi Bazar Street, Fort.

Prabhat Trading Company.—Vithal Sayana Building No. 2, Lohar Chawl, Bombay 2.

P. RATILAL & CO.—43, Dhanji Street, Bombay 3.
 Ramchand Mathradas Aggarwal.—106-108, Dhanji Street, Bombay 3.

RAMSAHAI RAJKUMAR.—85/87, Nagdevi Street, Bombay 3.

Rasiklal, K., & Co.—Mehta Building, Meadows Street, Fort.
 R. C. Traders.—Lentin Chambers, Dalal Street, Fort.

Real Paint & Hardware Mart.—105, C. P. Tank Road, Bombay 4.

Reliance Trading Co.—Vithal Sayana Building, Lohar Chawl.

Repute Engineering Co.—165, Narayan Dhuru Street, Bombay 3.

Richardson & Cruddas.—Byculla Iron Works, Byculla.

Rowe & Rowe.—381, Hornby Road, Fort.

Royal Hardware Mart.—108, Nagdevi Street, Bombay 3.

R. Vadilal Desai & Co.—15-27, Ratan Building, Bibijan Street, Nagdevi, Bombay 3.

Saify & Bros. (India). T. A.—20, Sarang Street, Bombay 3.

Sakria & Sons.—82, Nagdevi Cross Lane, Bombay 3.

Salehbhoy Tyebbhoy & Co.—Tyebji Building, 93, Nagdevi Street, Bombay 3.

Sanghani & Co.—178-180, Abdul Rehman Street.

Sant Ram Blasdev Co.—6, Narayan Dhuru Cross Lane, Bombay 3.

Sawhney & Co.—Shahpur House, Cowasji Patel Street, P. O. Box 148-A, Bombay.

Seabee Export & Import Co.—9, Waudby Road, Fort. Phone: 34673.

Service, Geo. & Co.—Sohrab House, 237, Hornby Road, Fort.

Shah Machine Tools Co.—75, Abdul Rehman Street, Bombay 3.

Shah Trading Corporation.—Opp. Crawford Market, Oomrigar Building, P. B. No. 2299, Bombay 2.

Sharafally & Sons.—78/75, Bhajipala Lane, Bombay 3.

Sheth Stores Trading Co.—85-87, Nagdevi Street, Bombay 3.

Shivdayal Bilbhaderdas.—96, Narayan Dhuru Street, Bombay 3.

Shree Krishna Trading Co., Ltd.—All Chambers, Meadows Street, Fort.

Singham Bros. & Co. (India) Ltd.—P. O. Box 894, Bell Building, Sir Phirozshah Mehta Road, Fort.

Siriram & Co.—97, Narayan Dhuru Street, Bombay 3.

Sivramkrishnan, M.—Hasil Manzil, 82-86, Abdul Rehman Street, Bombay 3.

S. Nagam & Co.—418, Kalbadevi Road, Bombay 2.

Soho House.—Vithal Sayana Building, Lohar Street, Bombay 2.

Solem Hardware Mart.—155, Nagdevi Street.

Somnath, C., & Co.—Dr. D'Silva Road, Dadar (Western Railway), Bombay.

S. P. Industries.—Office & Factory: 13, Low Level, Victoria Road, Mazgaon.

Standard Metal Works Ltd.—17, Falkland Road, Low Level, Tardeo.

Standard Trading Co.—Vithal Sayana Building No. 2, Lohar Street, Bombay 2.

Standard Tube Co., Ltd., The.—123, Nagdevi Street, Bombay 3.

Stanley Works, The.—43-44, Lakshmi Building, Sir Phirozshah Mehta Road, Fort.

Steelyard Limited.—Rahimtools House, Homji Street, Fort.

Stewarts & Lloyds of India, Ltd.—Mubarak Manzil, Apollo Street, Fort.

Sunderlal & Sons.—Pranjiwan Building, Narayan Dhuru Cross Lane, Bombay 3.

Talib & Co.—Talib House, 104, Nagdevi Street, Bombay 3.

Tarachand Gupta & Bros.—Narayan Dhuru Street, Bombay 3.

Thamsan Traders.—Post Box 3162, Nagdevi Street, Bombay 3.

Textile Stores & Hardware Mart.—32, Bibijan Lane, Nagdevi Street.

Thakoral & Co.—47, Nagdevi Cross Lane, Bombay 3.

T. M. TYABJI & BROTHERS.—Hamam House, 32-36, Hamam Street, Fort. Hardware, Engineering, Aeronautical & Electrical Specialists. Grams: "TRUEWAY."

Tirathram Kashmirilal.—89, Nagdevi Cross Lane, Bombay 3.

Trinity Industrial Stores.—72-74, Nagdevi Street, Bombay 3.

Trivedi & Co.—Navsari Chambers, Hornby Road, Fort.

T. U. PATEL & SONS, LTD.—Huseini Chambers, 33, Nanabhai Lane, Fort. Phone: 33403. Grams: "TUPSONS." Mill Gin Stores Suppliers, General Hardware Merchants and Direct Importers.

Turner, Hoare & Co., Ltd.—Gateway Building, Apollo Bunder.

Tyebally Dawoodjee (Estd. 1865).—84, Bhajipala Lane, Bombay 3.

U. D. Patel & Company.—11, Bank Street, Fort, Bombay.

United Import Co., The.—67-69, Mahomedali Road.

United Mill Stores (India).—61, Nagdevi Street, Bombay 3.

United Tube & Hardware Co.—146, Nagdevi Street, Bombay 3.

UNIVERSAL TRADING CO.—General Hardware Merchants and Order Suppliers, Stockists of Rubber Goods, Asbestos Goods, Jointing Sheets, Shovels, Ebonite and Fibre Sheets and Rods, Engineering Tools, Twist Drills, Hammers, Spanners, Grinding Wheels, etc. 79, Mahomedali House, Mahomedali Road, Bombay 3. Grams: "IRONMART."

Universal Trading & Chemical Works.—P. O. Box No. 805, Bombay 1.

Utomal & Assudamal Co.—Bombay Mutual Annexe, Gunbow Street, Fort.

Vasi Shums & Co.—Vasi Building, 165-167, Nagdevi Street.

Vasiralli Ltd.—Prospect Chambers, Hornby Road, Fort.

Vinod Mehta & Co.—22B, Noble Chambers, Parsi Bazar Street, Fort.

Vishwabharati Trading Co.—60, Modi Street, Fort.

Vithaldas, G., & Co.—80, Nagdevi Cross Lane, Bombay 3.

Vora, J. C., & Co.—107, C. P. Tank, Bombay 4.

V. S. Bal & Co.—Podar Chambers, Parsi Bazar Street, Fort, Bombay.

WESTERN INDIA HARDWARE MART.—16, Narayan Dhuru Cross Lane, Bombay 3. Grams: "VISCOSITY." Phone: 28730.

Western India Hardware Mart.—16, Narayan Dhuru Cross Lane, Bombay 3.

Yacob Ahmed Brothers.—Topiwala Mansion, Mahomedali Road.

Zaveri, C. A., & Co.—44, Abdul Rehman Street.

HARDWARE IMPORTERS

ABDEALLY, B. M. & CO.—127, Sarang Street, Bombay 3. Phone: 31790.

Asian Trades & Industries.—Post Box 3113, Bombay 3. Phone: 33402.

Dinkar Trading Co.—95/97, Bhandari Street, Bombay 3.

GANGARAM & CO., R.—180, Masjid Bunder Road, Bombay 3. Phone: 71573. Grams: "JOSHIMETAL."

Gaytee & Company.—Janmabhoomi Chambers, Fort Street, Fort, Bombay. Grams: "IMPENG." Phone: 32440.

HARDWARE & STEEL IMPORT CO., LTD.—Huseini Chambers, 33, Nanabhai Lane, Fort. Grams: "IMPORTCO." Bombay 1. Direct Importers, Merchants and Commission Agents.

International Tools & Hardware Stores.—84, Kika Street, Bombay 4. Phone: 73636; Grams: "SANITARY."

JAIRAMDAS & SONS.—163, Narain Dhuru Street, Bombay 3. Grams: "JAIRAMDAS." Phones: 31120 and 32836 (Ext. 36).

James Tools & Hardware Co.—109-111, Nagdevi Street, Bombay 3.

KANTILAL SANGHEVI & CO.—Mherwan Building, Sir Phirozshah Mehta Road, Fort. Phone Nos.: 34261, 28185. Grams: "EXPIM."

Manekji & Co.—17, Gunbow Street, Fort.

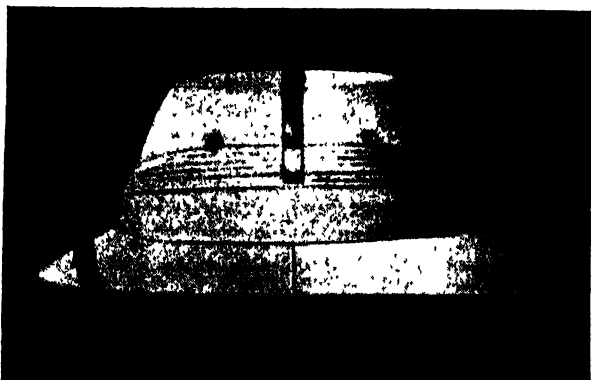
NAGDEVI TOOL-STEEL MART.—186-88, Nagdevi Street, Bombay 3.

NATIONAL HARDWARE & STORES SUPPLY CO.—Post Box 3146, Bombay 3. Phone: 33462. Grams: "REQUISITES."

T. U. PATEL & SONS, LTD.—Huseini Chambers, 33, Nanabhai Lane, Fort. Mill Gin Stores Suppliers, General Merchants and Direct Importers. Phone No: 33403, Grams: "TUPSONS."

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Noormahomed Manji Topiwalla.—255, Ibrahim Rahimtoola Road, Dealers in Furs, Caps and Materials.
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Sivramkrishnan, M.—Hazi Manzil, 82-86, Abdul Rehman Street, Bombay 3.
Todi & Co.—41, Hanam Street, Fort.

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PRODUCTS**

Balmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate, Fort.
Craftsman Electronic Corporation Ltd.—Naxsari Bldg., 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.
Datson Raviraj & Co.—43, Tamarind Lane, Fort.

HARDCASTLE, WAUD & CO., LTD.—Alice Buildings, Hornby Road, Fort.

Imperial Chemical Industries (India) Ltd.—Imperial Chemical House, Ballard Estate.

Pioneer Industries—21, Forbes Street, P. O. Box No. 1909, Fort.
Thos. W. Ward (India) Ltd.—Marshall Building, Ballard Road, Ballard Estate, Fort.

HIDES AND SKINS

Asiatic Fur & Carpet Stores.—2, Waterloo Mansion, opp. Regal Cinema, Fort.

EDGAR HANDLEY AND CO., LTD.—135, Meadows Street, Fort.
Phones : 22934 and 26884. Grams : "TROJAN."
Faiz & Company.—75, Abdul Rehman Street, Bombay 3.
Govias, Basil M. P.—P. O. Box 263-A, Bombay Mutual Building, Hornby Road, Fort.

Gulam Rasul Allahbux.—1-B, Bachoo Ali House, Nowroji Hill Road No. 1, Bombay 9.

Haas (Bombay-Madras) Produce Co.—18, People's Bldg., Sir Phirozshah Mehta Road, Fort.

Haneef, S. M., & Co.—Bachooali House, Haji Bachooali Road, Bombay 9.

Hashambhoy Aloo Mahomed & Son.—Dostinahomed Building, Nishanpada Road, Khadak, Bombay 9.

Indian Industrial Development Trust Ltd.—Dhan-Nur, Sir Phirozshah Mehta Road, Fort.

Maca Traders.—20, Dadlisheth Aglary, Bombay 2.

Mahomedali Bsmali—Stock Exchange Bldg., Apollo Street, Fort.

Singham Bros. & Co. (India) Ltd.—P. O. Box 894, Bell Building, Sir Phirozshah Mehta Road, Fort.

Western Mercantile Co.—38, Western India House, Sir Phirozshah Mehta Road, Fort.

HOISTING MACHINERY (LIFTS & HOISTS)

BATLIBOI & CO.—Engineers and Machinery Importers.

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Variety Hall Road, Coimbatore ; Reid Road, Ahmedabad, 26-59, Birhana Road, Kanpur.

ELECTRIC CONSTRUCTION & EQUIPMENT CO., LTD.—

Bhagat Buildings, 265, Kalbadevi Road, Bombay 2. Phone: 23841 and 26445. Grams : "COECELL." P. O. Box No. 2338. Sole Agents in India for Schindler & Co., Ltd., Lucerne, Switzerland.

GUJARAT TRADING SYNDICATE.—41, Meadows Street, Fort, Bombay 1. Grams : "GUTRASV."

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Wellington Mews.—Wodehouse Road, Colaba.

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ROYAL HARDWARE MART.—108, Nagdevi Street, Bombay 3.

Phone : 24121. Grams : "MANILAROEPE." Manufacturers and Agents for all kinds of Hoses, suction, delivery, garden, Pneumatic acid and oil resisting Hoses.

HOSIERY MANUFACTURERS AND DEALERS

Ahmed Abdul Karim Bros. Ltd.—Karim Building, Mohamedally Road, Bombay 3.
 Ahmed Ebrahim Bros.—882, Chakla Street, Bombay 3.
 Bashir, S. M., & Bros.—Bachooali House, Haji Bachooali Road.
 Bhagvandas Chatrabhuj & Co.—20, Hamam Street, Fort.
BOMBAY HOSIERY HOUSE.—9-12, Lahri House, 14, Bhajipala Street, Off Chakla Street, Bombay 3. Grams: "SAFE-TRADE."
BORIVLI HOSIERY MILLS (Estd. 1920).—Office: 63, Champa Gully, Mulji Jetha Market, Bombay 2. Phone No. 26414. Mills at Borivli, B. B. & C. I. Rly. Phone No. 84035.
CALCUTTA SOLA HAT AGENCY.—Dwarkanadas Building, Mangaldas Road, Bombay 2.
 Cawnpore Mills Depot.—Churchgate House, Churchgate Street, Fort.
 Chhaganlal Vishram & Co.—107-109, Chakla Street.
 "Crawfords."—280, Carnac Road, Bombay 2.
 Dave, J. M., & Co.—Kanta Terrace, Silk Bazar, Kalbadevi Road.
 Dawood Hajeer Nasser & Co.—Maneckia Chambers, 1st Marine Street, Dhobi Talao.
 Dominion Products.—15, Bank Street, Fort.
 Evans, Fraser & Co.—Hornby Road, Fort.
 Gulam Rasool Allahbux.—1/D, Bachooali House, Nowroji Hill Road No. 1, Bombay No. 9.
 Haji Ebrahim Essak.—91, Sheriff Dewji Street, Bombay 3.
 Haji Ebrahim Haji Mohammad B.—13, Bhajipala Lane, Bombay 3.
 Hameed, S. M., & Co.—Bachooali House, Haji Bachooali Road, Bombay 9.
 Haroon & Co.—19, Zakeria Masjid Road.
 Hussaram & Co.—K., New Silk Bazar, Kalbadevi Road, Bombay 2.
 Hind Trading Co.—All Chambers, 78-80, Tamarind Lane, Fort.
 Hukamchand Chanderbhan.—1st Floor, Hira Building, opp. Crawford Market, Carnac Road.
 International Trading Corporation.—386, Lamington Road, Bombay 4.
 Jewan Bukhsh Mohammed Jan.—90, Chakla Street, Bombay 3.
 Katrak Hosiery Works.—167, Lamington Road, Bombay 7.
 Kewalram Chellram.—Gandhi Mansion, New Silk Bazar, Bombay 2.
 Khianey (India) Ltd.—Dahanukar Building, New Silk Bazar, Bombay 2.
 Kothari & Sons.—20, Noble Chambers, Parsi Bazar Street, Fort.
 Kumar Bros. (India) Ltd.—138, Hornby Road, Fort.
LADHABHAI RAVJI & BROS.—41, Advani Chambers, Sir Phiroozshah Mehta Road, Fort. Phone: 27410.
 Mansukhlal Kantilal & Co.—185, Mulji Jetha Building, Princess Street.
 M. Daldas & Sons.—190, Princess Street.
MENORA HOSIERY WORKS LTD.—Ruby Terrace, opp. 3rd Pasta Lane, Colaba, Bombay 5. Phone: 35400. Grams: "MENORWORK."
 M. Gani & Co.—Mahomedali Road, Laheria House, Bombay 3.
 Modern Hosiery Works.—Dhobiwadi, Thakurdwar.
 Mohanlal, D., & Co.—Nariman Building, near P. O., Kalbadevi.
 Natvar Trading Co.—395, Kalbadevi Road, Bombay 2.
 Oriental Commercial Corporation.—Kitab Mahal, 192, Hornby Road, Fort, Bombay 1.
 Oriental Import & Export Agency.—52, Shri Krishna Nivas, New Silk Bazar, Kalbadevi Road, Bombay 2.
 Pan-India Overseas Co.—Gandhi Mansion, New Silk Bazar, Bombay 2.
 Parmanand Gordhandas & Co.—280, Carnac Road, Bombay 2.
 Patel Hosiery Mills.—7-10, Botawala Building, Elphinstone Circle, Fort.
 Pavri, J. K.—10, Karim Chambers, Hamam Street, Fort.
 Pavri Sons & Co.—93-97, Bazar Gate Street, Fort.
 Popatlal Ghelabhai & Co.—104, Chakla Street, Bombay 3.
 Popular Hosiery Works.—98B, Lady Hardinge Road, Matunga (Western Rly.), Bombay 16.
 Prataprai & Co.—4, Swadeshi Market, Kalbadevi Road, Bombay 2.
 Raji Bros.—Opp. Electric House, Colaba Causeway.
 Sabu & Co.—Esplanade Mansion, Esplanade Road, Fort.
 Sampat Store.—28-30, Swadeshi Market, Kalbadevi Road, Bombay 2.
 Shanghi & Sons, N. H., (Estd. 1929).—47-48, 66-66, Swadeshi Market, Kalbadevi Road.
 Niglit Traders.—R. B. Narayanlal Bansilal Compound, opp. Bombay Central Station, Bombay 8.
 Subhav Shop.—Heera Building, opp. Police Commissioner's Office, Carnac Road.
 Sultan Haji Mahomed & Co.—Kanta Terrace, 529, Kalbadevi Road, Bombay 2.
 Suppliers & Trading (India) Ltd.—79, Medows Street, Fort.
 Surat Hosiery & Printing Works.—Sayee Bhawan, 143, Princess Street.
 S. U. Udeshi.—Chatrabhuj Nivas, 70, Vadgadi, Bombay 3. Phone: 23663.
 Trivedi, B., & Co.—28, Lalsingh Building, Lohar Chawl.
 Universal Trading & Manufacturing Co.—28, Jamshed Feroze Mahal, Ibrahim Rahimtoola Road, Bombay 3.

Utomal & Assudamal Co.—Bombay Mutual Annexe, Gunbow Street, Fort.
 Valibhai Kamruddin.—101, Abdul Rehman Street, Bombay 3.
 Vashani Cloth Stores.—Prospect Chambers, 313, Hornby Road, Fort.
 Vasi Bros. & Co.—Topiwala Mansion, Mohamedally Road, Bombay 3.
V. DAS & CO., LTD.—Sole Concessionaires for Commercial Textile Corporation (High-class Hosiery Manufacturers). Sales Office: Thanawalla Building, 114-118, Chakla Street, Bombay 3. Grams: "LUKELINE." Head Office: Camp Bazar, Cannanore (S. India). Grams: "CITICI."
 West End Shop.—234-236, Carnac Road, Kerawalla Mansion, opp. Police Commissioner's Office, Bombay 2.
 Western Link Co.—19, Bank Street, Fort.
 Whiteaway, Laidlaw & Co., Ltd.—278-286, Hornby Road, Fort.
 Yacob Ahmed Bros.—Topiwala Mansion, Mohamedally Road.

HOSPITAL EQUIPMENT & SUPPLIES

Allen & Hambury's Ltd. (Incorporated in England)—Commissariat Building, Hornby Road, Fort.
 Bole Brothers.—49, Princess Street, Bombay 2. Phone: 25316.
 Bombay Surgical Medical Agency, Ltd.—P.O. Box 2093, Bharucha Building, Princess Street.
 Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagon, Bombay 10.
DOCTOR & CO.—Bombay Mutual Terrace, 534, Sandhurst Road, Bombay 7. Grams: "DIATHERMY." Suppliers of Surgical, Scientific, Laboratory, Hospital and Research Equipments and Instruments.
DONALD & CO.—255, Princess Street, Bombay 2.
 Economic Electric Co., Ltd.—Jail Road (East), Dongri, Bombay 9.
FAIRDEAL SURGICAL CORPORATION.—106, New Citizen Bank House, Palton Road, Bombay 1. Grams: "FOL-LOWER." Surgical Instruments and Hospital Sundries.
GORDHANDAS DESAI & CO.—305, Hornby Road, Fort, Bombay 1. Grams: "MICROSCOPY." Phone: 24808.
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 Godrej, Godrej & Boyce Mfg. Co., Ltd.—Lalbagh Parel, Bombay.
 Indian Oxygen & Acetylene Co., Ltd.—The Ghatkopar (Bombay Agra Road), Bombay. Phone: 87241 (4 Lines). Grams: "INDOXCO".
 Jagkumar & Co.—Prospect Chambers Annexe, Hornby Road, Fort.
 Jitendraray & Co.—37-185, Princess Street.
 Kapadia Brothers.—Kalan Building No. 3, Kandewadi, Bombay 4.
MALGHAM BROS.—26, Old Custom House Road, Fort. Surgical and X-Ray Equipment. Phone: 25324. Grams: "MALGHAM."
NATIONAL STEEL EQUIPMENT CO.—Naigaum Road, (near Spring Mills), Dadar, Bombay 14. Phone: 61755. Grams: "BEDLOCKER." Specialists in Aseptic Hospital Furniture.
 Powells Ltd.—431, Lamington Road, Bombay 4.
PREM MOTWANI.—70, Ebrahim Mansion, 366/68, Kalbadevi Road, Bombay 2. Importers, Wholesale and Retailers in all Surgical and Hospital Instruments and appliances. Phone: 40658. Grams: "THROUGHTOUT."
RAJ-DER-KAR & CO.—Commissariat Building, Hornby Road, Fort. For Research and Industries. Phone: 27304.
 Reliance Electric & Hardware Stores.—55, Krishna Bhuvan, Lohar Chawl.
 Salemahomed Padamsee & Co.—141, Chakla Street, P.O. Box 3131, Bombay 3.
SHAH, M., & CO.—Kanji Mansion, Sandhurst Road, Bombay 4.
 Shanti Trading Co.—Vithal Sayana Building No. 2, Lohar Chawl, Bombay 2.
 Vazir Enamel Works Ltd.—31, Tank Bunder Estate, Bombay.
 Victor X-Ray Corporation (India) Ltd.—Thackersey House, Graham Road, Ballard Estate, Bombay 1.

HOTELS AND RESTAURANTS

Arya Nivas Hindu Hotel.—Opp. Vithalwadi, Kalbadevi Road.
 Brandon & Co., Ltd.—Victoria Terminus.
 Bristol Grill.—Laxmi Buildings, Sir Phiroozshah Mehta Road, Fort.
 Chambers-De-Luxe.—Dar-ul-Habib, 29, Marine Drive.
 Chetana.—34, Rampart Row, Fort.
 Elphinstone Hotel.—Gulshan Chambers, Hornby Road, Fort.
 Empire Hindu Hotel.—Hornby Road.
 Eros Theatre & Restaurant Ltd.—Cambata Building, Queen's Road, Churchgate Reclamation.

Frederick's Hotel.—Lansdowne Road, Apollo Bunder, Fort.
George Restaurant.—20, Apollo Street.
Gourdon & Co.—Rehmat Manzil, Churchgate Street, Fort.
Grand Hotel (Bombay), Ltd.—Ballard Estate, Fort.

GREEN'S HOTEL & RESTAURANT.—Apollo Bunder, Fort.
Hotel Lawrence.—Rampart House, Rampart Road, Fort.
Hotel Regal.—233, Frere Road.
Ideal Restaurant.—Alice Building, Hornby Road, Fort.
Juhu Country Hotel.—Juhu, near Santa Cruz.
Juhu Hotel & Restaurant.—Vadiwala's, Juhu.
Kamling Chinese Restaurant.—"Nagin Mahal", Churchgate Reclamation.

Kashmir Hotel.—Dhun Mahal, Dhobi Talao.
King George VI Restaurant.—Noor Mahal, King's Circle, Matunga.
Leopold Cafe & Stores.—No. 6, Colaba Causeway, Apollo Bunder.
London Hotel.—Near Charni Road Junction.

Madhav Ashram.—Near Girgaum Police Court, Bombay 4.
Majestic Hotel.—Esplanade, Museum.
Mayfair Restaurant.—22, Rampart Row, Fort.
Mello's Hotel.—Nicol Road, Ballard Estate.
Modern Hindu Hotel.—12, Wallace Street, Fort.
Mongini's Restaurant.—Churchgate Street.
Morenas & Co.—60, Mahatma Gandhi Road, 22, Medows Street, Fort.

National Hindu Hotel.—Frere Road, opp. Tram Junction, Fort.
New Coronation Durbar Hotel.—Near Novelty Cinema, Grant Road, Tram Terminus.

New Empire Restaurant, Stores & Bakery.—184, Hornby Road.
New Empire Stores & Restaurant.—Rustom Mahal, Tram Terminus, Dadar.

New Welcome Hindu Restaurant.—Medows House, Tamarind Lane, Fort.

New World Chinese Restaurant.—Gulestan, opp. Metro Cinema, Dhobi Talao.

Nrisinha Hindu Lodge.—177-179, Hornby Road, Fort.
Orient Hotel.—Orient Hotel Building, Crawford Market. High Class Cosmopolitan Hotel, moderate charges. Phone: 22232. Grams: "Homelikelly".

Orient Hotel.—Oomrigar Building, opp. Crawford Market.
Outram Private Hotel.—Menkwa Building, Outram Road, Fort.
Picnic Cottages Restaurant.—Versova, near Andheri.
Purohit Hotel.—Parekh Mahal, Churchgate Street.
Purohit Restaurant & Stores.—Krishna Building, Fort Street, Fort.
Pyrke's Apollo Hotel.—Lansdowne Road, Apollo Bunder.
Railway Hotel.—Charni Road.
Regent Hotel.—Ballard Pier.
Ritz Hotel and Restaurant.—Churchgate Reclamation, near Eroo Cinema, Bombay.

Royal Hotel.—Hassam Chambers, Parsi Bazar Street, Fort.
Sardar Griha.—Carnac Road.
Savoy Hotel & Restaurant.—Lamington Road, next to Bombay Central.

Sea View Chinese Restaurant.—Apollo Bunder, Fort.
Sea View Hotel.—221-225, Frere Road, opp. G.P.O., Fort.
Sea View Restaurant.—Juhu, Santa Cruz.
Ship Hotel.—Opp. General Post Office, 219, Frere Road, Fort.
Shree Krishna Boarding House.—Girgaum Tram Terminus, Bombay 4.

Simla and Calcutta Hotel.—Mangalore Street, Fort.
Strand Hotel.—Strand Road, Apollo Bunder, Bombay 1.

TAJ MAHAL HOTEL, THE.—Apollo Bunder. Grams: "INHO-TELS." Phone: 29501 (10 lines).

Tambe, B., Ltd.—Sanzgiri Sadan, Girgaon Road, Bombay 4.
Vianelli, A., Hotel.—Chowpatty Sea Face.
Wayside Inn.—Rampart Row, Fort.
Welcome Hindu Restaurant.—Medows Street, Fort.
Welcome Hotel.—Frere Road, Fort.

West End Hotel.—(Proprietors: West End Hotel Ltd.), 45, New Marine Lines, Bombay.

HOUSE AND ESTATE AGENTS

Brijmohan Banwarial.—61, Beay Road, Mazagaon, Bombay 10.
Dastur & Sons, M. B.—Small Building, Hornby Road, Fort.
Estates Valuation & Engineering Co.—20, Old Custom House Road, Fort.

GILBERT LODGE & CO.—"Elphinstone House," Vir Nariman Street, Fort. Phones: 22107 & 31709.

Mayfair Furnishing Co.—Great Western Building, Apollo Street, Fort.
Narayanrao Kulkarni & Co.—20, Hamam Street, Fort.

Rao Saheb Rawji Sojpal & Sons.—322, Shanti Niketan, Vincent Road, Kingsway, Matunga.

Royal House Agency.—Behman Building, Churchgate Street, Fort.

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ASEA ELECTRIC INDIA, LIMITED.—Taft Building, Gee Street, Bombay.

INDUSTRIAL AIR CONTROL (INDIA) LTD.—Karimjee House, 2nd Floor, 89, Sir Phiroozshah Mehta Road, Fort, Bombay. Phone: 34369. Grams: "COOLAIR." Concessionaires for Westinghouse Sturtevant Division, New York. All air handling Equipments.

ICE FACTORIES

Bakhtawar Ice Factory.—Kumbharwada, Dadar.
Bombay Ammonia Refg. Stores & Packing Co.—Bazargate Street, Fort.

Bombay Crystal Ice Works.—179, Motilala Lane, Mazagaon.
CENTRAL ICE & COLD STORAGE CO.—Saboo Sidick Road, Crawford Market, Bombay. Phone: 34346.

City Ice Supplying & Cold Storage Ltd.—298, Bazargate Street, Fort.
Dhunjibhoy's Ice Factory.—Mount Road, Mazagaon.

HOMILA ICE WORKS, COLD STORAGE AND REFRIGERATION.—Manufacturers of Pure and Colourless Ice. 33-C, Jeejabhoy Street, Near Municipal Workshop, Foras Road, Bombay 8 (India). Phone No. 71892.

Paramount (India) Ltd.—Kermani Building, Sir Phiroozshah Mehta Road, Fort.

Siddley Ice Factory.—505A, Arthur Road, Tardio.
Sitarain Industries.—Byculla Bridge, Hansraj Lane, Byculla.
Spa's Mineral & Ice Factory.—Lamington Road (North), off Jacob Circle.

Sunawala Ice Factory & Cold Storage & Refrigeration (Estd. 1918).—Factory: 188, Lamington Road, behind Minerva Talkies, Bombay 7.

ICE & ICE-CREAM MACHINE

Asian Trading Corporation.—Post Box No. 1505, 20, Mangesh Shenoy Street, Bombay 1.

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road.

Pans & Co.—103, Apollo Street, Fort, Bombay.

IMPORT AND EXPORT FIRMS (GENERAL)

Abdool Hoosein Jivjee & Co.—241, Nagdevi Street, Bombay 3.
Abdolla Joosab Calcuttawalla & Co.—137-41, Samuel Street, Bombay 9.

Abdul Karim & Co.—Mohomed Manzil, 59-59A, Memonwada Road.
Abdul Razak & Co.—Opp. Juma Masjid, Takiawadi, Kuria.

Abdulkadar Shamsuddin & Co.—48, Khoka Bazar, Bombay 3.
Abdulla A. Baker & Co.—89, Bhajipala Street, Bombay 3.

Acme Agencies.—20, Hamam Street, Fort.
Adamally Sons Ltd.—277, Nagdevi Street, Bombay 3.

Advani & Co., G. V.—Prospect Chambers, Hornby Road, Fort, Bombay.

Advani, J. B., & Co., Ltd.—Advani Chambers, Sir Phiroozshah Mehta Road.

Afghan Commercial Co. (India) Ltd.—Sonawala Building, 65, Apollo Street, Fort.

A. Hassanally.—F-90, Mahomedali Road, Bombay 3.

A. H. Gandhi.—Bansilal Mandon, Bruce Street, Fort, Bombay 1.

Ahmed Abdul Karim Bros., Ltd.—Karim Mansion, Junction of Mahomedally and Masjid Bunder Roads.

Ahoora Trading Co.—22D, Parsi Bazar Street, Fort, Bombay.

Ahuja, C. M., & Co.—"People's" Building, Sir Phiroozshah Mehta Road, Fort.

Alfred Herbert (India), Ltd.—Kaiser-i-Hind Buildings, Ballard Estate.

Allabux, M., & Co.—110-12, Cawasji Patel Street, Fort.

Alliance Stores & Trading Co.—Princess Street, Bombay 2.

Allied Exporters.—Kumud House, opp. Lloyds Bank, 267, Hornby Road, Fort.

All India Trading Corporation.—25, Bank Street, Fort.

American Trading Co., Ltd.—Rustom Building, 29, Churchgate Street, Fort, Bombay.

Amin Importers.—7-10, Elphinstone Circle, Fort.

Amin & Sons.—180-82, Samuel Street, Vadgadi.

Amrut Trading Co.—44, Kumar Villas, Mangalwadi, Girgaum.

Anand Trading Co.—234, Masjid Bunder Road, Bombay 3.

Anglo-Oriental Light Co.—Preerbhoy Building No. 2, 80 Princess Street, Bombay 2.

Anil Brothers.—44/46, Dhanji Street, Bombay 3.

Anil Kumar & Co., Ltd.—121-123, Princess Street, Bombay 2.

Arcles Laboratories Ltd.—Kotkar Building, 391, Arthur Road.

AROLA BROTHERS.—75, New Citizen Bank House, Palton Road, Bombay 1. Grams: "ATROB." Importers of Stationery, Optical goods, Hardware, old Newspaper Exporters, Zani Goods Novelties.

Aroon & Co.—6, Sir Phirozshah Mehta Road, Fort.

ARVINDA TRADING CO., LTD.—Importers and Manufacturers' Agents, 105, Apollo Street, Fort, Bombay. Grams: "RADIANT." Phone: 32313. Managing Director: R. P. Patel.

Asbestos and Engineering Stores, The.—30, Western India Building, Sir Phirozshah Mehta Road.

Ashar & Co., P. K.—Govind Chowk, Mulji Jetha Market, Bombay 2.

Ashar Trading Co.—75-79, Old Hanuman Lane, Bombay 2.

ASHOK OVERSEAS TRADING CO., LTD.—543, Kalbadevi Road, P.O. Box 2501, Bombay 2. Importers of Umbrellas & Accessories, Cycles & Accessories, Electrical Accessories, Cotton Piece-goods and Sundries.

Asian Textile Engineering Corporation.—Kermani Building, Sir Phirozshah Mehta Road, Fort.

Asian Traders.—Kitab Mahal, 102, Hornby Road, Fort.

Asian Trading Corporation.—P.O. Box No. 1505, 20, Mangesh Street, Bombay.

Asiatic Mill Stores Trading Co.—89, Princess Street, Bombay 2.

Askay & Co., Ltd.—Great Social Building, Sir Phirozshah Mehta Road, Fort, Bombay.

Asok Bros., Ltd.—Mubarak Manzil, 104, Apollo Street, Fort.

Associated Agencies (Bombay).—47, Podar Chambers, Parsi Bazar Street, Fort.

Associated Auto Parts Ltd.—445, Lamington Road, Bombay 4.

Associated Corporation of Industries (India), Ltd.—Commerce House, Currimbhoy Road, Ballard Estate, Bombay 1.

Associated Services Ltd.—All Chambers, Meadows Street, Fort.

Associated Trading Agency.—141, Sayee Bhuvan, Lohar Street, Bombay 2.

Atlas Engineering Co.—Head Office: 2-6, Advani Chambers, Sir Phirozshah Mehta Road, Fort, Bombay.

Aurora (Trade) Service.—13, Khattarally Lane, Hira Bang, Bombay 4.

Austerlitz.—People's Building, Sir Phirozshah Mehta Road, Fort.

Badat Ltd.—105, Sir Vithaldas Chambers, 16, Apollo Street, Fort.

Bajaj Brothers Ltd.—Round Building, Kalbadevi Road.

Bakshi Ram & Co.—129, Modi Street, Fort.

Bakubhai Ambalal, Ltd.—National Insurance Building, 27, Bastion Road, Fort.

Balmer Lawrie & Co. Ltd.—5, Graham Road, Ballard Estate, Fort.

Banwarilal & Co., Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort.

Banwarilal & Co., Ltd.—Queen's Mansions, Bastion Road, Fort.

Bardlya, W. K., & Company.—155, Modi Street, Fort.

Bashir, S. M., & Bros.—Bachooali House, Haji Bachooali Road.

BATLIBOI & CO.—Engineers & Machinery Importers. Head Office: Forbes Street, Fort, Bombay 1. Phone Nos. 30007-8-9 (three lines). Tel. Address: "BATLIBOICO."

Branches: Batliboi House, Nagdevi Cross Lane, Bombay 3; 3-153, Broadway, Madras; P-34, Mission Row Extension, Calcutta; 55-8, Japan Building, New Chowri, Delhi; 12-5D, Variety Hall Road, Coimbatore; Reid Road, Ahmedabad.

26-59, Birhana Road, Kanpur.

Batliboi, C. J., & Co.—319, Hornby Road, Fort.

BATLIWALLA & CO.—Mherwan Building, Sir Phirozshah Mehta Road, Fort. Importers, Exporters and General Merchants. Partners: R. B. Batliwalla; M. S. Batliwalla; F. B. Batliwalla; B. S. Batliwalla. Phone: 24267. Residence: Phone No. 89249.

Beardsell, W. A., & Co., Ltd.—15-16, Sir Phirozshah Mehta Road, Fort.

Begbie, Phillips & Hayley, Ltd.—Behramji Mansions, Sir Phirozshah Mehta Road.

Begraj Gupta & Co.—207, Kalbadevi Road, Bombay 2.

Bhagwandas Chatrabhuj.—20, Hamam Street, Fort.

Bhagwandas Devshi, Ltd.—87, Princess Street.

Bhagwandas Sant Parkash.—60, Nakhuda Street, Bombay 3.

Bhaldas Cursondas & Co.—Sir Vithaldas Chambers, 10, Apollo Street, Fort.

Bhandari Brothers Ltd.—Dadyseth House, 44, Cawasji Patel Street, Fort.

Bhanji Lavji Porbandar Ghee Supply Agency.—Shroff Mansion, 258, Kalbadevi Road.

BHENOO TRADING CO.—29, Imperial Chambers, Wilson Road, Ballard Estate. Phone No. 30101. Grams: "SANGHANI." General Importers, interested in Woollen, Cotton, Art Silk, Silk, Piece-goods, Fents and Remnants, Hardware Tools, Electric Appliances, Measuring Instruments, Incandescent Lights and Parts and Paper Stationery, Fountainpens and Parts.

Bhanusali Brothers Ltd.—Bhanushali Chambers, 168, Argyle Road, Bombay 9.

Bharat Industrial Co.—77-79, Nagdevi Cross Lane, Bombay 3.

Bhargava & Co., K. C.—P.O. Box No. 19, Bombay 1.

Bhargava & Co., K. L.—94, Meadows Street, Fort.

Bheroomal Ghanoomall.—42, Dhanukar Building, Kalbadevi Road.

Bhimjee & Co.—Devkaran Building, 17, Elphinstone Circle, Fort.

Bhukanwala & Sons.—Meadows House, Meadows Street, Fort.

Biddle Sawyer & Co. (India) Ltd.—25, Dalal Street, Fort.

Birla Bros., Ltd.—Imperial Bank Annex, Bank Street, Fort.

Blackwoods India Ltd.—Podar Chambers, Parsi Bazar Street, Fort.

Blasecheck, H., & Co.—Dadyseth House, opp. Hongkong Bank, Fort.

Bomanji Dhunibhoy Ltd.—17, Murzban Road, Fort.

Bombay Dyes & Chemical Co.—Shree Ram Market, Vadgadi.

Bombay Import and Export Agency.—Cama House, opp. Lloyds Bank, Hornby Road, Fort.

Bombay Importing Agency.—75-77, Sarang Street, Bombay 3.

Bombay Machine Store Co., The.—Laxmi Building, 43, Nagdevi Cross Lane, Bombay 3.

Bombay Trading Co.—Dhun-Nur, Sir Phirozshah Mehta Road, Fort.

Bottomley, A. C., & Co.—Wavell House, Graham Road, Ballard Estate.

Brady, W. H., & Co., Ltd.—Royal Insurance Buildings, Churchgate Street, Fort.

Brigg Bros. & Co.—Graham Building, Parsee Bazar Street.

Brijlall, H. R., & Co.—Beaumont Chambers, 27-33, Meadows Street, Fort.

Budhabhoy Noorbhoy & Co.—199, Abdul Rehman Street, Bombay 3.

Bulchand Co., L.—Moos Building, 510, Kalbadevi Road, Bombay 2.

Burrows, W. J.—Khatau Building, 40-44, Old Custom House Road, Fort.

Rusheri, M. A., & Co.—69-71, Ghoga Street, Fort.

Byramji, T. & Co.—Central Bank Building, Mahatma Gandhi Road, Fort.

Calcutta Sola Hat Agency.—Dwarkanadas Building, Mangaldas Road, Bombay 2.

Calico General Export Co.—12, Rampart Row, Fort.

Capital Colour & Chemical Co.—77-87, Mirchi Street, Vadgadi, Bombay 3.

Cawasji Behramji & Co.—City Ice Building, 298, Bazargate Street, Fort.

Central Syndicate Ltd.—16/18, Custom House Road, Fort.

Central Trading Co.—81, Cawasji Patel Street, Fort.

C. Jivanlal & Co.—Azad Bhuvan, Masjid Bunder Road, Bombay.

CHEGANLAL (INDIA) IMPORTS.—42, Argyle Road, Carnac Bunder, Bombay 9. Grams: "CONTRACTS." Phone: 20751. Importers and Manufacturers' Representatives.

Importers of Chemicals, Dyestuffs, Textiles, Machinery, Small Tools, Iron and Steel, Hardware, Printing Press Materials, Newsprints, Non-Ferrous metals, etc., etc.

Champaklal Morarji & Co.—193, Samuel Street, Vadgadi, Bombay 9.

Chavul A. Dubbah.—Bombay Mutual Building, Hornby Road, Fort.

Chavannes & Co., Ltd.—Menkwa Building, 10, Outram Road.

Checker Bros.—Coronation Building, Gunbow Street, Fort.

Chellsons Ltd.—Gazder House, Dhobi Talao, Bombay 2.

Chimanlal & Co.—38/42, Sharnett Street, Bombay.

Chimanlal Patel & Co.—174, Hornby Road, Fort.

Chimanlal Vadial & Co.—80, Abdul Rehman Street.

Chinoobhai & Bros., Ltd.—Churchgate House, Churchgate Street.

Chisa Trading Co.—Noble Chambers, Parsi Bazar Street, Fort.

P.O. Box No. 1161.

Chokhani Brothers.—59, Forbes Street, Fort.

Chokshi, H., & Co.—106, Meadows Street, Fort.

Chotirmall & Co., K. A. J.—501, Kalbadevi Road, Bombay 2.

Chudgor & Co.—34, Daryasthan, Vadgadi, Bombay 3.

Clarke & Smith (India), Ltd.—Esmal Building, Hornby Road, Fort.

Clubwalla & Co.—27-29, Hammam Street.

Collinson & Co., Ltd.—Standard Building, Hornby Road, Fort.

Commercial Finances, Ltd.—Great Social Building, Sir Phirozshah Mehta Road, Fort.

Commercial Syndicate Ltd.—Krishna Building, 143, Hornby Road, Fort.

Consumers Services Ltd.—Podar Chambers, 109, Parsi Bazar Street, Fort.

Continental Export & Import Co.—Mehta Building, 47, Meadows Street, Fort.

Cooper & Co.—53, Abdul Rehman Street.

Corn Products Co. (India), Ltd.—Shrinivas House, Waudby Road, Fort.

Cosmo Trading Corporation.—156, Sheikh Memon Street, Bombay 2.

Cotton Agents Ltd.—Imperial Bank Annex, Bank Street, Fort.

Craftsman Electronics Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.

Crystal Company.—149, Hatim Manzil, Frere Road, Carnac Bridge.

Crystal & Co., J.—111, Mahatma Gandhi Road, Fort.

Curmally Jan Mahomed.—160-162, Samuel Street, Bombay 9.

Curtis & Co., Ltd., J.—36-40, Mahalaxmi Bridge Arcade, Bombay 11.

Dadajee Dhackjee & Co., Ltd.—Shree Pant Bhuvan, Sandhurst Bridge.

Dali B. Shroff & Co.—361, Hornby Road, Fort.

Dangoor, H. E., & Co.—Commisariat Building, Hornby Road, Fort.

DANN-DECKER COMPANY.—People's Building, Sir Phirozshah Mehta Road, Fort, Bombay. Phone: 33886. Cable: "DANDEKERCO", Bombay.

Darwalla, M. N., & Co.—20, Apollo Street, Fort.

Das & Co.—59, Apollo Street, Fort.

Dave, J. M., & Co.—Kanta Terrace, Silk Bazar, 529, Kalbadevi Road, Bombay 2.
Dawood Haje Nasser & Co.—Maneckia Chambers, 1st Marine Street, Dhobi Talao.
D. Chellaram.—"Dhan Nur," Sir Phirozshah Mehta Road, Fort.
Dee Bright & Co. (India) Ltd.—Cutch Castle, Sandhurst Road, Bombay 4. Phone: 45075.
Devidas Mulji Kapadia.—Yusuf Building, Hornby Road, Fort.
Devidas Nandalal & Co.—241-3, Abdul Rehman Street, Bombay 3.
Dhani Ram & Sons.—236, Masjid Bunder Road, Bombay 3.
Dhrajaji & Co.—62, Princess Street.
Dhrajaji Morarji.—Mulchand Mansion, Princess Street, Bombay 2.
DIALDAS, M., & SONS.—Harcen Building, 190, Princess Street, Bombay 2.
Diamond Electric Co.—18, Hamam Street, Fort.
Dickinson John & Co., Ltd.—Kumpta Street, Fort.
Dilla & Co.—20, Hamam Street, Fort.
DINANATH SONS.—466, Kalbadevi Road, Bombay 2. Phone: 24719. Grams: "PROCESSOR." Importers & Exporters of Cotton, Silks, Art Silk, Woollen Piece-goods & Yarn and Manufacturers' Representatives.
Dinker Trading Co.—95-97, Bhandari Street, Bombay 3.
Dodsal Limited.—31, Muzshah Road, Fort, Bombay.
Dominion Products.—Saleh Building, 195, Hornby Road, Fort, Bombay.
Dorsett, G. C., & Co.—Brabourne Stadium, Churchgate Reclamation.
Dossa Lal, G.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.
D. Manilal & Co.—Harishchandra Nivas, 419-A, Kalbadevi Road, Bombay 2.
D. Patel & Co. (Estd. 1916).—Ganumukh Gully, Mulji Jetha Market, Bombay No. 2.
Drennan & Co.—Neville House, Ballard Estate.
Dubash Freres & Co.—Victoria Building, Parsee Bazar Street, Fort.
Dusaj, R. S., & Co. Ltd.—63, Princess Street.
Dwarkanadas & Sons, Ltd.—Mehta House, 89, Apollo Street, Fort.
Dwarkanadas Viji Talpatriwala.—36, Issaji Street, Bombay 3.
EAST AFRICAN TRADERS.—75, Khand Bazar, Bombay 3. Grams: "JAMBOSANA."
EAST ASIATIC COMPANY (INDIA), LTD.—Wavell House, Graham Road, Ballard Estate. Phone: 30995.
East India Trading Co.—Shrinath Bhuvan, 27, Picket Cross Road, Lohar Chawl.
East & West Associates, Ltd.—36, Yusuf Building, Churchgate Street, Fort.
Eastern Afghan Traders.—35, People's Building, Sir Phirozshah Mehta Road, Fort.
EASTERN EXPRESS SERVICE CO.—Sir Vithaldas Chambers, 16, Apollo Street, Fort.
Eastern Import & Export Co.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.
Eastern Import & Export Bureau.—3-5, Vithalwadi, Bombay 2.
Ebrahim Alibhoy & Sons.—260-64, Abdul Rehman Street, Bombay 2.
Ebrahim Manji & Co., Ltd.—Kamar Building, Cawasji Patel Street, Fort.
Ebrahim Noorudin & Co.—"Kagdy Manzil," 119, Bazar Gate Street, Fort.
Ebster Electric Co.—318, Lamington Road, next to Police Station, Bombay 7.
ECHKE LIMITED.—43, Tamarind Lane, 4th Floor, Fort. Phone: 31917. Grams: "ECHKE."
Eclipse Engineering Co.—3, Bastion Road, Fort.
Edanmal Sons, L.—Kishna Nivas Building, New Silk Bazar, Bombay 2.
EDGAR HANDLEY AND COMPANY LIMITED.—135, Meadows Street, Fort, Bombay. Phones: 22934 and 26884. Grams: "TROJAN."
Electro Engineering Co.—Sea View, 1st Pasta Lane, Colaba.
Emdas.—105, Mahatma Gandhi Road, Fort.
Emelle Wingrove.—111, Mahatma Gandhi Road, Fort. Phone No. 21620. Grams: "Wingrove."
Empree Agencies.—40, Cawasji Patel Street, Fort, Bombay.
Empire Exporting House.—Sambava Chambers, Sir Phirozshah Mehta Road, Fort.
Engineer Bros.—Sir Vithaldas Chambers, 16, Apollo Street, Fort.
Engineer, S. D., & Son.—Imperial Chambers, 32, Wilson Road, Ballard Estate.
English Aluminium Mart.—63-65, Kansara Chawl, Kalbadevi Road.
Excel Importers.—89, Princess Street, Bombay 2.
Excelator Industrial & General Co., Ltd.—44, Dadyshet House, Cawasji Patel Street, Fort.
Excellent Engineering Co., Ltd.—11, Botawala Building, Elphinstone Circle, Fort, Bombay.
Ex-Import Mercantile Corporation.—220, Nishanpada Road, Bombay 9.
Ex-Import Trading Co.—Queen's Mansion, Bastion Road, Fort.
Express Corporation.—Co-operative Insurance Building, Sir Phirozshah Mehta Road, Fort.
Ezra Bros.—Mustafa Building, Sir Phirozshah Mehta Road, Fort, Bombay 1.
Falsha Trading Corporation Ltd., The.—Currimbhoy House, Waudby Road, Fort.
Faiz & Co.—75, Abdul Rehman Street, Bombay.

Fazalbhai Ibrahim & Co., Ltd.—Small Building, Hornby Road.
Fillinger, H., & Co.—16, Ormiston Road, opp. Electric House, Bombay 1.
Firoz Trading Co.—Kamer Building, Cawasji Patel Street, Fort. Phone No. 38832. Grams: "Polestar."
Flory Consolidated Co. (India) Ltd.—Advani Chambers, Sir Phirozshah Mehta Road, Fort.
Foreign Products Distributing Co.—Ramachandra Mansion, 491, Sandhurst Road.
Foster, H. J., & Co., Ltd.—Worli, Bombay No. 18.
Framroz M. Chinoy & Sons.—Motiwala Mansions, Gowalla Tank, Bombay 26.
Frangl, N. S. (India).—32, Apollo Street, Fort.
Frank Rose & Co.—"Kalam Kutir," 211-219, Frere Road, Fort, Bombay 1.
Freight Carriers Ltd.—Medows House, Medows Street, Fort.
Fruit Farm Products Company.—Byramji Mansion, Sir Phirozshah Mehta Road, Fort.
Gangaram & Co.—313, 3rd Floor, Himalaya House, Paltan Road, Bombay 1.
Gazdar, F. K. N.—581, Jam-n-Jamshed Road, Bombay 19.
G. Arian (India) Co.—108, Himalaya House, Paltan Road, Bombay 1.
G. A. Randerian Limited.—Randerian House, 111-115, Kazi Sayed Street, Bombay.
G. RAMCHAND.—521, Kalbadevi Road, opp. Edward Cinema. P.O. Box 2341. Tel. No. 34097. Grams: "BROADLAND." Exporter of Cotton Textiles, Yarns, Hosiery & Leather Manufactures, Indian Curios, Carpets and Sundries, Essential Oils, Oil-Seed, Oil-cake, Raw Jute & Jute Manufactures, Aluminium Utensils, Coir Goods, etc. and Manufacturers' Representatives.
Gandhi Sons Ltd.—232, Samuel Street, Vadgadi.
Gannon, Dunkerley & Co., Ltd.—Chartered Bank Building, Mahatma Gandhi Road, Fort.
Gaytee and Company.—Jannabhooni Chambers, Fort Street, Fort. Grams: "IMPENGI." Phone: 32410.
General Commercial Co.—41, Kolhat Street, Kalbadevi.
General Engineering Corp.—249, Frere Road, Fort.
General Sales Corporation.—105, Sir Vithaldas Chambers, Apollo Street, Fort.
George-Davidson Co.—34, Western India House, Post Box 812, Sir Phirozshah Mehta Road, Fort.
Getz Bros. & Co.—Western India House, Sir Phirozshah Mehta Road, Fort, Bombay.
Ghadiji, J. P., & Co.—12, Rampart Row, Fort.
G. HIRA & CO.—Lotus Building, Near Evans Fraser, Hornby Road, Fort, Bombay. Phone: 28541. Grams: "GEEIMEX." Importers & Exporters of Textiles, Yarns, Stationery, Chemicals, all sorts of Oils, Sago Flour, Electrical Goods, Sanitary-ware, etc.
Gill & Grewall (India).—57, Razmah, Lady Jamshedji Road, Bombay 28.
Gin Store Co., The.—76, Nagdevi Cross Lane, Bombay 3.
Girdharilal & Co.—48, Podar Chambers, Parsi Bazar Street, Fort. G.P.O. Box 826.
Gladwyn & Co.—251, Hornby Road, Fort, Bombay 1.
G. Naraindas.—81, Wodehouse Road, Colaba.
Godambe Bros.—Buona Casa, Sir Phirozshah Mehta Road, Fort.
Goodwill Trading Co.—34, Nagdevi Street, Bombay 3.
Goolabkhan Peerkhan Co.—178, Nagdevi Street, Bombay 3.
Gore & Co.—Great Social Insurance Building, Sir Phirozshah Mehta Road, Fort.
Govindram Dwarkadas.—Kermani Building, Sir Phirozshah Mehta Road, Fort.
Grahams Trading Co., Ltd.—16, Bank Street, Fort.
Great Eastern Trading Co.—107, Cawasji Patel Street, Fort.
Gulamhusain Esmail Surtie & Sons (Estd. 1914).—90-A, Abdul Rehman Street, Bombay 3.
GULAMHUSEN MOLEDINA & CO.—106, Tantanpura Street, Khoja Mohalla.
Gulam Rasul Allahbux.—1-B, Bachooali House, Nowroji Hill Road No. 1, Bombay 9.
Habib Rawjee, G., & Co.—Hamam House, Hamam Street, Fort.
Haji Ahmed Husain & Co.—Topiwala Mansion, Mohamedally Road, Bombay 3.
Haji Ebrahim Essak.—91, Sheriff Dewji Street, Bombay 3.
Haji Jannomamed Moosa.—27-29, Zakaria Bazar, Sheriff Dewji Street.
Hales Bros. (India) Ltd.—K. Lekhraji Building, Carnac Bridge, Bombay 3.
Halindia Cotton Co., Ltd.—71-73, Apollo Street, Fort.
Haasef, S. M., & Co.—Bachooali House, Haji Bachooali Road, Bombay 9.
Hansraj Hariram & Co.—Fazalbhoy Building, opp. Flora Fountain, Fort.
Haran & Co. (India) Ltd.—Noble Chambers, 116, Parsi Bazar Street, Fort.
Harbans Singh & Sons.—Kishore Building, Kalbadevi Road, Bombay 2.
Harchandani Sons.—229, Masjid Bunder Road, Bombay 3.
Harda Electric Supply Co., Ltd.—17-19, Bastion Road, Fort.
Hardcastle, Waud & Co., Ltd.—Alice Buildings, Hornby Road, Fort.

Phone: 24517.

Grams: "EXPORTIM"

HARILAL MANILAL & CO.

346, KALBADEVI ROAD, BOMBAY 2

Importers, Exporters and General Merchants

EXPORT:

Cotton, Cotton piece goods, Woollen Art Silk, and Fancy goods, Hosiery, Wearing Apparels, Hessian, Jute, Raw Cotton, Spices, Crude Drugs, Essential Oils, Dry Fruit, Cutlery, Enamelware, Glassware, Crockery, Locks and Keys, Oils and Oil Seeds, Leather goods of all kinds, etc.

HARILAL & SONS.—121-123, Kazi Sayed Street, Bombay 3. Phone: 27807. Grams: "EVERHAPPY" Importers, Exporters and Indenting Agents. Export: Textiles, Spices, Fancy Zari Goods, Novelty and Art Wares and other Indian produce. Import: Interested to represent Overseas Manufacturers of Hardware, Mill Gin Stores, Drugs, Medicines and Chemicals, etc. Indenting Agents for Continental and Far East produce.

Harold F. Ritchie (India) Ltd.—Queen's Mansions, Bastion Road, Fort.

HASANALLY BROTHERS.—Chuckla Street, Bombay 3. Importers, Exporters and Manufacturers' Representatives. Phone: 32911. Grams: "SHANAWAZ."

HASSAMAL BROS.—538, Kalbadevi Road, P.O. Box 2236, Bombay 2. Direct Importers and Exporters of Art Silk and Cotton Piece-goods and General Merchandise. Grams: "HASSABROS." Phones: 34190 & 30715. P.O. Box 2236.

Hasanlal Dalamal—New Silk Bazar, Kalbadevi Road, Bombay 2.

Hasan, H., & Co.—Krishna Nivas, New Silk Bazar, Bombay 2.

Hazrat & Co.—People's Building, Sir Phirozshah Mehta Road, Fort.

Hazex.—335-37, Kalbadevi Road, Bombay 2.

Herbertsons Ltd.—11-13, Elphinstone Circle, Fort.

Herman & Mohatta, B. R., Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort.

HIMATLAL & CO.—Importers and Exporters and Manufacturers' Representatives. Representing India, Pakistan and Ceylon. The Nationalized Paper Industries of East Germany and Poland. 26, Noble Chambers, Parsi Bazar Street, Fort. Phone Nos. 23963 and Residence: 61596. Grams: "HIMSHAH."

Himalal Manilal & Sons.—346, Kalbadevi Road, Bombay 2.

Hind Trading Co.—78-80, All Chambers, Tamarind Lane, Bombay.

Hind Uday Agency.—329-331, Abdul Rehman Street, Bombay 3.

Hindustan Engineering Co. (Machinery Dept.).—25, Ropewalk Street, Rampart Row, Fort.

Hindustan Export & Import Corporation Ltd.—Albert Building, Hornby Road, Fort.

Hiranand Valiram.—Opp. Edward Cinema, Kalbadevi Road, Bombay 2.

Hitchman George, F.—Waterloo Mansions, opp. Museum, Mahatma Gandhi Road, Fort, Bombay.

Hoare Miller & Co.—Post Box No. 1973, Bombay 1.

Hoby & Co.—190-192, Hornby Road, Fort.

Holland-Bombay Trading Co., Ltd.—E. D. Sassoon Bldg., Dougall Road, Ballard Estate.

Honey Day.—Alice Buildings, Hornby Road, Fort.

Hoosain, M. A., & Bros.—Lakshmi Building, Sir Phirozshah Mehta Road, Fort.

Hornby Fountain Pen Depot.—204, Hornby Road, Fort.

Hotchapid Jawharimal.—3rd Floor, Round Building, Kalbadevi Road, Bombay 2.

HOTCHAND & SONS.—4th Floor, Gandhi Mansions, New Silk Bazar, Bombay 2. Phone: 28310. Importers and Exporters of Silk, etc.

Hukamchand Chanderbhan.—1st Floor, Hira Building, opp. Crawford Market, Carnao Road.

Hukamchand Daulatram Mehra.—Jamna Building, Jambulwadi (East), Kalbadevi Road, Bombay 2.

Husein Abdulkarim Panju.—Panju House, 138-40, Samuel Street, Khoja Mohalla, Bombay 9.

Husein Ebrahim.—75, Mahomedally Road, Bombay 3.

Husein Laljee Dewraj.—Jamal Building, 213, Nagdevi, Bombay 3.

Husein Musa Virjee & Co.—Sheriff Hasam Building, Khoja Mohalla, Bombay 9.

Impex (India) Ltd.—Mubarak Manzil, Apollo Street, Fort.

Importers & Exporters, Ltd.—9 Forbes Street, Fort.

India Manufacturing Agencies.—16/18, Custom House Road, Fort.

India Overseas Trading Co.—33, Western India House, Sir Phirozshah Mehta Road, Fort.

India Textile Agencies.—Noble Chambers, Parsi Bazar Street, Fort.

India Traders.—101-B, Girgaum Terrace, Bombay 4.

Indian Automobile Co., Ltd.—4, Apollo Street, Fort.

Indian Durries Emporium.—Shahru Castle, 64, Mahomedally Road, Bombay 3.

Indian Exporter.—Sir Vithaldas Chambers, 16, Apollo Street, Fort.

Indian Industrial Development Trust Ltd.—Dhan-Nur, Sir Phirozshah Mehta Road, Fort.

Indian Industries Palace.—88, Carnao Bridge.

Indo Europa Trading Co.—7, Dalal Street, Fort.

Indo-European Trading Co.—98, Dhabu Street, Bombay 3.

Indo-International Commercial Corporation.—Crescent Chambers, Tamarind Lane, Fort.

Indo-Iranian Trading Corporation.—Ava Chambers, 2nd Floor, Mahatma Gandhi Road, Bombay 1.

Indo Middle East Textile Corp.—2nd Floor, Himalaya House, Paltan Road, Bombay 1. Phone 31719.

Indo-Iraq Trading Co.—18, People's Bldg, Sir Phirozshah Mehta Road, Fort.

Indo-Overseas Representatives.—73, Bombay Mutual Bldg, Fort.

INDSALES (INDIA) LIMITED.—2, Mherwan Building, Sir Phirozshah Mehta Road, Fort. Cables: "INDSAL." Phone: 31431.

Industrial Engineering Co.—45, Apollo Street, Fort.

Industries Service Corporation.—11, Bruce Street, Fort.

Inter-Asia Commercial Co.—111, Tamba Kanta, Bombay.

Inter-Dominion Traders.—Buona Casa Building, Sir Phirozshah Mehta Road, Fort.

International Corporation.—12-A, Nanabhai Lane, Flora Fountain, Fort.

International Impex Co.—451, Kalbadevi Road, Bombay 2.

International Imports & Exports Ltd.—259, Kalbadevi Road, Bombay 2.

International Mercantile Corporation.—313, Himalaya House, 3rd Floor, Junction of Hornby Road and Paltan Road, Bombay 1.

International Traders.—People's Building, Sir Phirozshah Mehta Road, Fort.

International Tradeways (India).—249, Frere Road, Fort.

International Trading Corporation.—Ahmed Chambers, Lamington Road.

International United Trading Corporation.—80-90, Lohar Street, Bombay 2.

Italindia Cotton Co., Ltd.—71-73, Apollo Street, Fort, Bombay.

J. A. BROWN & CO. (BOMBAY) LTD.—Brabourne Stadium, Vir Nariman Street, Bombay. British and American goods.

Exporters of Commercial Alcohol.

J. A. Thadani & Co.—People's Building, Sir Phirozshah Mehta Road, Fort.

Jacob Hyam & Company.—Mercantile Insurance Building, 31, Forbes Street, Fort.

Jafferbhoy Salebhoy & Co.—201, Nagdevi Street, Bombay 3. Grams: "Wingfish". General Merchants, Exporters & Importers.

Jagad Trading Co.—56, Gulaiwadi, Bombay No. 4.

Jagkumar & Co. Prospect Chambers Annexe, 317-321, Hornby Road, Fort. Phone No. 21569.

Jagmohandas Shamaldas & Sons.—11, Tamarind Lane, Fort.

JAIRAMDAS & SONS.—163, Narayan Dhura Street, Bombay 3.

Grams: "JAIRAMDAS." Phones: 31120 and 32636 (Ext. 36).

Jamnadas Nanjee Mangrolwalla.—83-85, Bazargate Street, Fort.

Jani & Co.—Vora Mansions, New Chinch Bunder.

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SRI LAXMI CLOTH TRADING CO.—135, Zaveri Bazar, Bombay 2. Phone : 21332. Grams : "JASUJA." Manufacturing Printed Sarees. Specialists for Kashmir Silk, Pure Georgetown, Art Georgetown, Chunddi, Shiffon, Ninon and Embroidery.

Sigman & Co.—302, Himalaya House, Paltan Road, Bombay 1.

Sindhi Clearing Agency.—384, Dabholkar Wadi, Kalbadevi, Bombay 2.

Singham Bros. & Co. (India) Ltd.—P.O. Box 894, Bell Building, Sir Phirozshah Mehta Road, Fort.

Sivramkrishnan, M.—Hazil Mauzli, 82-86, Abdul Rehman Street, Bombay 3.

S. Manubhai & Co.—Albert Building, 346, Hornby Road, Fort.

S. Nalson & Co.—Raja Bahadur Bansilal Building, 41-A, Bruce Street, Fort.

Sobraj Reloomal.—Silk Bazar, Kalbadevi Road.

Soho House.—Vithal Sayana Building, Lohar Chawl.

Sorabji Khursetji & Co.—Calicut Street, Ballard Estate, Bombay.

S. S. Prabhu.—Ghamat Terrace, opp. Western Rly. Dadar Station, Bombay 14.

Standard Trading Agency.—Seksaria Chambers, 139, Medows Street, Fort.

Standard-Vacuum Oil Co.—P. O. Box No. 181, Neville House, Ballard Estate, Bombay 1.

Steel Brothers & Co. Ltd.—Allahabad Bank Building, Apollo Street, Fort.

Subodh Indent Agency.—44, Kumar Villas, Mangalwadi, Girgaum, Bombay 4.

Sun Chemical & Perfumery Works.—50-52, Issaji Street, Bombay 3.

Suppliers & Trading (India) Ltd.—79, Medows Street, Fort.

Suren, W. T., & Co.—United India Building, Sir Phirozshah Mehta Road.

Surtee & Sons, G. E. (Estd. 1914).—99A, Abdul Rehman Street, Bombay 3.

Surtil Harilal, T.—15/9, Khetwadi, Bombay 4. Importers of Rubber Stamps & Process Block Making Materials.

Surusingh Lachhman Singh.—126, D'Souza Street, Bombay 3.

S. U. Udeshi.—Chatrabhuj Nivas, 70, Vaidgadi, Bombay 3.

SWADESHI GLASS WORKS DEPOT.—25, Bank Street, Fort, Bombay. Grams: "AUTOGLASS."

Sylvester & Co.—Prince Alykhan Building, 20, Custom House Road, Fort.

Tarachand Pursram (Estd. 1860).—Court House, Carnac Road, Bombay 2.

Tarasingh Harbindersingh.—P. O. Box 6456, Bombay 16.

Tavaria Brothers.—Dhan-Nur, Sir Phirozshah Mehta Road, Fort.

Techno Industrial Co.—107, Sir Vithaldas Chambers, 16, Apollo Street, Fort.

Techno-Industrial Syndicate.—19/B, Noble Chambers, Parsi Bazar Street, Fort.

Tejbandas & Co.—65, Princess Street, Bombay 2.

Textile Export Ltd.—Queen's Mansions, Prescott Road, Fort.

Textile Industrial Trading Agency.—Western India House, Sir Phirozshah Mehta Road, Fort.

Thakker Sonderjee Nanjee & Sons (India) Ltd.—146, Kalbadevi Road, Bombay 2.

Thakore, T. M., & Co.—Readymoney Mansion, 43, Vir Nariman Street, Fort.

Thomas Korula.—Great Social Building, Sir Phirozshah Mehta Road, Fort.

Todi & Co.—41, Hamam Street, Fort.

TOLARAM'S.—Rehem Mansion No. 1, 36, Colaba Causeway, Bombay 1. Grams: "Atolarams." Importers, Exporters and Manufacturers of High Class Ladies' Hand Bags, Belts, Chappals, Billfolds, etc., etc. Wholesale and Retail Dealers in Silks, Sarees, Rayon, Linens, Lingerie and Fluorescent tubes.

Trade Expansion (India) Ltd.—Warden House, Sir Phirozshah Mehta Road, Fort.

Traders' Link.—17, Ismail Building, 381, Hornby Road, Fort.

Trading Co., Late Hegt & Co., Ltd.—Indu House, Dougall Road, Ballard Estate.

Trading Co., L. R.—Navsari Chambers, opp. Lloyds Bank, Fort.

TRANS-UNION COMMERCIAL CORPORATION LTD.—Prospect Chambers Annexe, 319, Hornby Road, Fort. Grams: "TRANSMETER." Phone: 26710.

T. R. Dasra & Co.—102, Bhandari Street (Chuckla), Bombay 3.

TRIBHUVANDAS BHIKHABHAI.—22-23, Shroff Bazar, 3rd Floor, Bombay 2. Grams: "AVAIL." Phone: 21279. Exporters of Piece-goods, Yarns, Tobacco, Spices and Beedi Leaves and Jute Manufacturers.

T. Salehbhoy & Co.—54, Sarang Street, Bombay 3.

Triton Trading Co., Ltd.—Menkwa Building, 10, Outram Road, Fort.

Trivedi & Co.—Navsari Chambers, Hornby Road, Fort.

Trivedi, R., & Co.—28, Lalasingh Building, Lohar Chawl.

TULSIDAS KHMJI.—46, Vir Nariman Street (Churchgate Street), Fort, Bombay No. 1. Phone: 32084 (3 lines). Grams: "NACHIKETA."

T. Vrajial & Co.—16, Bell Building, Sir Phirozshah Mehta Road, Fort.

Unita Corporation.—37, Yusuf Building, Mahatma Gandhi Road, Fort, Bombay.

United Commercial Co.—72-80, Nagdevi Cross Lane, Bombay 3.

United Import Co., The.—67-69, Mahomedalli Road, Bombay 3.

United India Trading & Manufacturing Co., Ltd.—Shale Building, Bank Street, Fort.

Universal Export & Import Co.—Behind Roxy Cinema, Swadeshi Mills Estate, New Queen's Road, P.O. Box No. 740, Bombay. Phone: 21446. Agents for the Starline Chinese Lacquer Paints; Dakin Bros. Ltd., London. For Drugs and Chemicals, Ganpati Brand Glusol Powder.

U. S. Trading Co.—P. O. Box No. 1213, Bombay.

Utomai & Assudamal Co.—Bombay Mutual Annexe, Gunbow Street, Fort.

Uttamial, V., & Co.—P.O. Box 1531, Bombay.

Vadial Vrajial & Co.—Peerbhoy Building No. 2, Princess Street.

Valab & Co., M.—Podar Chambers, Parsee Bazar Street, Fort.

Vaidhbal Kamruddin.—101, Abdul Rehman Street, Bombay 3.

Vallram Sons.—Patel Building, Bomanji Master Road, Kalbadevi.

Varjiwandas Hirjee & Co.—240, Samuel Street, Vadgadi.

Vasantlal Vadial & Co.—215-17, Samuel Street, Vadgadi.

Vasi Bros. & Co.—Topiwala Mansion, Mahomedalli Road, Bombay 3.

Vasiralli Ltd.—Prospect Chambers, Hornby Road, Fort.

Velji & Co.—Shri Krishna Nivas, 285-305, Masjid Bunder Road.

Venus Commercial Corporation.—Co-operative Insurance Building, 1st Floor, Sir Phirozshah Mehta Road, Fort.

Vijay Trading Corporation.—90-92, Khand Bazar, 1st Floor, Mandvi, Bombay 3.

Vikram Padamsey & Co.—Rustom Building, Vir Nariman Street, Fort.

Vimals.—106, Meadows Street, Fort.

Vir Brothers.—43, Dhanji Street, Bombay 3.

Virchand Panachand & Co.—272, Narsi Natha Street, Bhat Bazar, Bombay 9.

Vishram Bhagwandas & Co.—31, Sutar Chawl, Bombay 2.

Vishram Khimji & Sons.—57-59, Kazi Sayed Street, Mandvi, Bombay 3.

Vithaldas & Co.—75, Khand Bazar, Bombay 3.

V. R. United Co.—Court House, Dhobi Talao, P.O. Box No. 2246, Bombay 2.

Vyas Brothers.—33, Nanabhai Lane, Vir Nariman Street, Fort.

Waghji Lakhmidas & Co.—206, Samuel Street, Vadgadi.

Wakefield, C. O., & Co., Ltd.—3, Wittet Road, Ballard Estate.

Wallace, P. R., & Sons, Ltd.—"Elphinstone Building," 10, Churchgate Street, Fort.

Walshom Trading Corporation Ltd.—480, Kalbadevi Road, Bombay 2.

Warden & Co., Ltd.—62, Lamington Road, Byculla, Bombay 8.

Wasslainull Assomull & Co.—3-A, Churchgate Street, Fort, Bombay.

Watanmal Boolchand.—P.O. Box 2233, 534, Kalbadevi Road, Bombay 2.

West India Company.—Behramji Mansion, Sir Phirozshah Mehta Road, Fort.

Western India Hardware Mart.—16, Narayan Dhuru Cross Lane, Bombay 3.

WESTERN LINK CO.—Importers, Exporters & Indenting Agents, 19, Bank Street, Fort. P.O. Box No. 1200, G.P.O., Bombay 1. Phone: 31153. Grams: "WESTLINK."

Western Mercantile Co.—33-38, Western India House, Sir Phirozshah Mehta Road, Fort.

WINDMERE (INDIA) LTD.—Importers, Exporters of Indian Produce, Cotton Piece-goods and Yarn and Commission Agents, 110, Sir Vithaldas Chambers, 16, Apollo Street, Fort, Bombay. Grams: "WINDMERE." Phone: 34433.

Wynne & Co.—56, Mahomedali Road.

Y. K. Sampat & Co.—382-84, Katha Bazar, Bombay 9.

Yacrob Ahmed Bros (Estd. 1895).—Topiwala Mansion, Mahomedalli Road, Bombay 3.

Yarn Trading Co.—95, Tamba Kanta, Bombay 2.

Zarthy Brothers Ltd.—Post Box No. 1166, Bombay 1.

INCANDESCENT LAMPS AND GAS MANTLES MANUFACTURERS

Abbas & Co.—313, Abdul Rehman Street, Bombay No. 3.

Anglo-Oriental Light Co.—Peerbhoy Building No. 2, 89, Princess Street, Bombay 2. Phone: 25420.

Balmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate, Fort.

Blackwoods (India) Ltd.—Podar Chambers, Parsi Bazar Street, Fort.

CHUNILAL KHANNA & CO.—Saraswati Nivas, Thakurdwar Road, Bombay 2.

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort and Methna Hall, Nesbit Road, Mazagaon, Bombay 10. Suppliers of Machinery and Instruments for.

Empire Industrial Works.—Warden House, Sir Phirozshah Mehta Road, Fort.

Hind Light House.—17, Abdul Rehman Street.

Indo Trading Co.—Jay Nivas, 36, Abdul Rehman Street, Bombay 3.

Jawahar & Co.—Office:—Mangaldas Market Building, Block No. 7.

Katrak Hosiery Works.—187, Lamington Road, Bombay 7. Manufacturers of High Power Incandescent Gas Mantles and High Class Hosiery Goods.

Kothari & Sons.—20, Noble Chambers, Parsi Bazar Street, Fort.

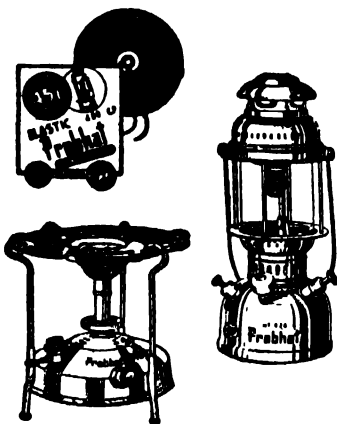
NEW ROYAL CO.—Shakra Castle, Mahomedally Road, Bombay. Makers of Petro de-Lux.

POCHEE, C. S., & SON (Estd. 1884).—586, Chitra Bazar, Girgaum Road, Bombay 2. Phone: 30415. Grams: "GASMANTLES." Government & Railway Suppliers, Manufacturers of Pochee Incandescent Lanterns, Mantles, Regal Stoves & Blow lamps and Accessories.

PRABHAT PRODUCTS CO.—Manufacturers of "Prabhat" Brand Gas Mantles, Gas Lanterns, Kerosene Stoves and their Accessories. Factories at Prabhat Wadi, Love Lane, Bombay 27 and 222, Bellasis Road, Prabhat Wadi, Bombay 8. Office at Noble Chambers, Parsee Bazar Street, Fort, Bombay. P.O. Box No. 291. Grams: "NIGHTGUARD." Phones—Office: 33594, Factory: 74946. Branches at Calcutta, Madras, Delhi, Kanpur, Patna and Indore.

Phones: { Office—33594
Factory—74946

Grams:
"NIGHTGUARD"



Manufacturers

PRABHAT PRODUCTS CO.

Manufacturers of

"Prabhat" Brand Gas Mantles, Gas Lanterns, Kerosene Stoves and their accessories.

Factories: Prabhatwadi, Love Lane, BOMBAY 27 & 222, Bellasis Road, Prabhatwadi, BOMBAY 8

Office:

Noble Chambers, Parsi Bazar St., Fort, BOMBAY
P. O. Box 291

Shah, H. T., & Co.—Ahmed Building, Golpitha, Bombay 4.
Star Mantle Manufacturing Co.—Janmabhooni Chambers, Fort Street, Ballard Estate, Bombay 1.

INCOME-TAX CONSULTANTS

Alexander & Co. (Established 1928).—Whiteaway Laidlaw Building, Hornby Road, Fort.

HIRALAL & CO.—14, Hornby Road, Fort, Bombay. Phone—Office: 22565. Res.: 31529.

Kulkarni, U. H., & Co.—Commisariat Building, 231, Hornby Road, Fort.

Pritamdas P. Wadhwaney.—172-74, Hornby Road.

INDIAN PRODUCE (GENERAL)

Bhagwandas Chhatrabhuj & Co.—20, Hamam Street, Fort.
Caprihans (India) Ltd.—Janmabhooni Chambers, Fort Street.
Champaklal Morarji & Co.—193, Samuel Street, Bombay 9.
Fruit Farm Products Co.—Byramji Mansions, Sir Phirozshah Mehta Road, Fort.
Gulamhusain Esmail Surtee & Sons (Estd. 1914).—Abdul Rehman Street, Bombay 3.
Gulam Rasul Allahbux.—1-B, Bachooall House, Nowroji Hill Road.
India Textile Agencies.—Noble Chambers, Parsi Bazar Street, Fort.

Indo-International Com. Corpn. Ltd.—Lalgr Chambers, Tamarind Lane, Fort.

Jehangir, J. M. Poonjlahee.—Byramjee Mansion, Sir Phirozshah Mehta Road, Fort.

Surtee & Sons, G. E. (Estd. 1914).—99A, Abdul Rehman Street, Bombay 3.

INDOOR GAMES MANUFACTURERS

Bruno Braganza & Co.—53, Gokhale Road (North), Dadar.

Marino Sports.—101, 1st Marine Street, Dhobi Talao, Bombay 2.

New India Toys & Novelties.—581, Jain-e-Jamshed Road, Bombay 19.

INDUSTRIAL & COMMERCIAL MANAGEMENT & COST CONSULTANTS

BEACONS LIMITED.—Temple Bar Building, 147, Mahatma Gandhi Road, Fort, Bombay.

IBCON LIMITED.—Adelphi House, 3, Queen's Road. Phone: 34888. Grams: "IBCO."

R. NANABHOY & CO.—Ballard House, 14, Mangalore Street, Fort, Bombay 1. Industrial Management, Cost and Quality Control Consultants, A.C.W.A., A.C.C.S., A.S.C.C. (London). Phone: 30071. Grams: "RANACOST." Partner: R. Nanabhoy (Mehta).

Scientific Management (India) Ltd.—Taj Mahal Hotel, Apollo Bunder, Fort, Bombay.

INDUSTRIAL CONSULTANTS

C. Patel & Co.—70, Podar Chambers, Fort.

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.

GUPTA, K. S., B.A., Dip., L.W.A. (Bombay), M.I.S.E. (Calcutta), F.R. Econ.S., F.S.S., F.R.S.A. (London).—Industrial Relations Consultant, Post Box 2394, Bombay 2.

Patel Savara & Co.—123, Mahatma Gandhi Road, Fort.

Sonal Rangnaw & Co.—11, Hamam Street, Fort, Bombay 1.

INDUSTRIAL EQUIPMENT

CRAFTSMAN ELECTRONIC CORPORATION LTD.—Navsari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.

INDUSTRIAL FURNACES

WESTERN MANUFACTURING CO.—Hassan Chambers, Parsi Bazar Street, P.O. Box No. 1230, Fort. Phones—Office: 32284, Workshop: 40147. Grams: "WESTERWORK."

INDUSTRIAL AND SPECIALISED OILS

Balmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate, Fort.

Dhirren & Co.—34, Cawasji Patel Street, Fort.

Industrial Oils Manufacturing Co. of India.—Prospect Chambers, Hornby Road, Fort.

Janata Traders.—Kalam Kutir, 219, Frere Road, Fort, Bombay.

Javeri Traders.—Lakhmi Building, 34, Cawasji Patel Street, Fort, Bombay.

Kosma Laboratories.—Allahabad Bank Building, Apollo Street, Fort.

Moussell & Company Ltd.—Lotus Building, Marine Lines.

Roberts, McLean & Co., Ltd.—Ilaco House, Sir Phirozshah Mehta Road, Bombay.

INFRA RAY EQUIPMENT

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.

Shah, M., & Co.—Sandhurst Road, Bombay 4.

INK MANUFACTURERS

Altex Limited.—147, Esplanade Road, Fort.

CAMEL INK

Processed with "CAMLISOL" in new Camel Type bottles

Also

CAMEL

- ★ GUM
- ★ PASTE
- ★ SEALING WAX
- ★ CHALK
- ★ BRILLIANTINE
- ★ PAIN BALM



Manufactured by: CAMLIN LTD., Bombay 16

KORES (INDIA) LIMITED.—Plot No. 10, off Baines Road, World, Bombay 18. Manufacturers of Ink Tablets, Stamp Pad and Numbering Inks, Duplicating Inks, etc.

LATHAM ABERCROMBIE & CO., LTD.—Forbes Building, Home Street, Fort, Bombay.

Machehenoy & Co.—Rahimtoola House, Hornji Street, Fort. Stewarts Laboratories.—327, Hornby Road, Fort, Bombay.

INSULATION MATERIALS SUPPLIERS

B. B. Electric & Auto Stores.—98, Princess Street, Bombay 2. Balmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate, Fort. Bombay Ammonia Refg. Stores & Packing Co.—Bazargate Street, Fort.

Brady, W. H., & Co., Ltd.—Royal Insurance Building, Churchgate Street, Fort.

British Electric Insulating Co.—33, Forbes Street, Fort.

British Insulated Callender's Cables Ltd.—Esplanade House, Waudby Road, Fort.

COSMIC TRADERS.—43, Yusuf Building, 4th Floor, Vir Nariman Street, Fort, Bombay.

Craftsman Electronic Corporation Ltd.—Nasari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazgaon, Bombay 10.

Economic Electric Co., Ltd.—Jail Road, Dongri, Bombay 9. Hardcastle, Waud & Co., Ltd.—Alice Building, Hornby Road, Fort.

Hindustan Corporation, Ltd.—Kermani Building, Sir Phirozshah Mehta Road, Fort.

India Traders.—101-B, Girgaum Terrace, Bombay 4.

Indianite Insulation Co. of India.—139, Meadows Street, Fort.

INDUSTRIAL ELECTRICAL ENGINEERING CO.—10, Hamam Street, Fort. Specialists in Insulating Materials and Armature Wires.

Jacks, William & Co., Ltd.—Hamilton House, Graham Road, Ballard Estate, Fort.

JONES, J. D., & CO. (INDIA), LTD.—Rustom Building, Vir Nariman Street, Fort. Phone: 23520. Grams: "MICA."

Khambatty, H. A., & Co., Ltd.—45-47, Lohar Street, Bombay 3. McKenzies Ltd.—Sewri.

Pioneer Magnesia Works, Ltd., The.—Chartered Bank Building, Mahatma Gandhi Road, Fort.

Radiant Electric & Machinery Co.—Sir Vithaldas Chambers, Bruce Street, Fort.

Reliance Trading Co.—25/47, Lohar Street, Bombay 2.

William Jacks & Co., Ltd.—Hamilton House, Graham Road, Ballard Estate.

INSURANCE COMPANIES

Advance Insurance Co. Ltd.—251, Hornby Road, Fort.

ALCO INSURANCE CO., LTD.—Rahimtoola House, Hornji Street, Fort. Transacts Fire, Motor and Accident Insurance Business. Chairman: Y. A. Jasdaniwalla; Mgr. Dir.: A. A. Jasdaniwalla, J.P.; General Mgr.: S. R. Idgunji, A.C.I.I. (Lond.); Secretary: A. Y. Jasdaniwalla, B.A. Phones: 30154 & 21471. Grams: "ADLOOK."

All India General Insurance Co., Ltd.—Podar Chambers, Parsi Bazar Street, Fort.

ALLIANCE ASSURANCE CO., LTD.—Branch Office: Co-operative Insurance Building, Sir Phirozshah Mehta Road, Fort, Bombay. Fire—all Classes of Accident and Marine Insurance. Phone: 34650. Grams: "SOCIÉTÉ," Bombay.

AMERICAN INSURANCE CO., LTD.—Newark, N. J., U.S.A. United India Building, Sir Phirozshah Mehta Road, Fort, Bombay. Phones: 22031-32. Grams: "AFIAINDIA." P.O. Box 977. Manager for India: A. C. Gale. Manager: F. B. Dastur.

American International Underwriters (India) Ltd.—United India Building, Sir Phirozshah Mehta Road, Fort.

Aryan Champion Insurance Co., Ltd.—59, Apollo Street, Fort.

Asian Assurance Co., Ltd.—Asian Building, Ballard Estate, Fort.

Asiatic Government Security Life and General Assurance Co., Ltd.—Behramji Mansion, Sir Phirozshah Mehta Road, Fort.

Associaao Goana De Mutuo Auxilio Ltd.—Associaao Building, Girgaum Road, Bombay 2.

Atlas Assurance Co., Ltd.—Dougall Road, Ballard Estate. (Fire—Marine—Motor—Accident and General).

Aundh State Provident Insurance Co., Ltd.—Jiji House, 15, Ravelin Street, Fort, Bombay.

BALOISE MARINE INSURANCE CO., LTD., THE.—of Basle (Switzerland), Principal Office for India: French Bank Building, Hornji Street, Bombay 1. Transacts Fire and Marine Insurance. Manager for India: E. S. Joel.

Bankers and Traders' Insurance Co. Ltd.—Ismail Building, Hornby Road, Fort, Bombay. Phone: 32111.

Bharat Insurance Co., Ltd.—Bharat Insurance Building, 15-A, Elphinstone Circle, Fort. (Life).

Bombay Alliance Assurance Co., Ltd.—Yusuf Building, Mahatma Gandhi Road, Fort. (Life).

Bombay Co-operative Insurance Society, Ltd.—Co-operative Insurance Building, Sir Phirozshah Mehta Road, Fort. (Life).

Bombay Fire and General Insurance Co., Ltd.—United India Life Building, Sir Phirozshah Mehta Road, Fort.

Bombay Life Assurance Co., Ltd.—45-47, Veer Nariman Street, Fort. (Life).

Bombay Mutual Life Assurance Society Ltd.—Bombay Mutual Building, Junction of Hornby Road and Sir Phirozshah Mehta Road, Fort. (Life).

British Commonwealth Insurance Co. Ltd.—Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

British India General Insurance Co., Ltd.—Mehta House, Apollo Street, Fort.

British Traders' Insurance Co., Ltd.—Hongkong Bank Building, Veer Nariman Street, Fort.

Caledonian Insurance Co.—Alice Building, Hornby Road, Fort. (Marine and Motor).

Central Insurance Co., Ltd.—Canada Building, Home Street. (Fire—Accident and General).

Central Mercantile Assurance Co., Ltd.—Elphinstone Building, Veer Nariman Road, Fort, Bombay.

Central Mutual Life Insurance Co., Ltd.—Head Office: 67, Apollo Street, Bombay 1.

Century Insurance Co., Ltd.—Bombay Branch: Commissariat Building, Hornby Road. (Fire—Marine—Motor—Accident and General).

China Fire Insurance Co., Ltd.—Hongkong Bank Building, 16, Veer Nariman Street. Branch Manager: C. R. C. Gardiner, O.B.E., J.P. (Fire).

Clive Insurance Co., Ltd.—Elphinstone Building, Veer Nariman Street, Fort. Chief Agents: Giffanders Arbuthnot & Co. (Fire—Motor—Accident and General).

Commercial Union Assurance Co., Ltd.—9, Wallace Street, Fort. Commonwealth Assurance Co., Ltd., Poona.—Bombay Branch: Commonwealth Building, 82, Meadows Street, Fort.

Concord of India Insurance Co., Ltd.—Hongkong Bank Building, 16, Veer Nariman Road, Fort. (Fire—Marine—Accident and General).

Crescent Insurance Co., Ltd., The.—Crescent Chambers, Tamarind Lane, Fort.

Crown Life Insurance Co. (Incorporated in Canada with Limited Liability).—Fazalbhoy Building, Flora Fountain, Fort, Bombay.

DEEPAK GENERAL INSURANCE CO., LTD., THE.—8-10, Tamarind Lane, Fort. Phone: 22281. Grams: "DISCRETION." Chairman: Seth Haridas Acharadai (Mili Owner). Managing Director: R. C. Kodiwala. Manager: V. R. Tolat, B.A. Secretary: P. L. Shah, B.Com., A.C.I.I. (Life, Fire, Motor, Marine and Workmen's Compensation).

Devkaran Nanjee Insurance Co., Ltd.—Devkaran Nanjee Buildings, Elphinstone Circle, Fort. (Life—Fire and Miscellaneous).

Digvijay Insurance Co., Ltd.—"Dhan-Nur", Sir Phirozshah Mehta Road, Fort.

Eagle Star Insurance Co., Ltd.—Standard Building, Hornby Road, Fort.

Eastern Bunkers Ltd.—Scindia House, Dougall Road, Ballard Estate.

EASTERN FEDERAL UNION INSURANCE CO., LTD.—Rahimtoola House, Hornji Street, Fort. Branch Manager: S. R. Kidwai. (Fire—Life—Marine—Motor and Accident).

EASTERN LIFE ASSURANCE CO., LTD.—Head Office: 17, Gunbow Street, Fort. Grams: "ASSURANCE." Phone: 33493. Branches and Chief Agencies: Bombay, Madras, Jullundur, Calcutta, Delhi, Calcutt, Nowgong, Bhagalpur, Kanpur, Kangra, Jodhpur and Ajmer.

Eastern United Assurance Corporation Ltd. (General Attorneys The South British Insurance Co. Ltd.).—Canada Building, Hornby Road, Fort.

Economic Insurance Co., Ltd.—Settling Agents: W. H. Brady & Co., Ltd., Veer Nariman Street, Fort. (Marine).

EMPIRE OF INDIA LIFE ASSURANCE COMPANY LTD. (Estd. 1897).—Empire House, Hornby Road, Bombay. Administrator: Dewan Bahadur R. Varadachari. Manager: R. B. Pradhan, B.Com., F.I.A. Phone: 32916. Grams: "EMPIRE."

ENGLISH & AMERICAN INSURANCE COMPANY LTD.—Jehangir Building, Mahatma Gandhi Road, Fort. Grams: "ADASTRA." Bombay. Phone: 36881 (3 lines). Business Transacted: Fire and Marine. Managers for India, Pakistan, Burma & Ceylon; Indian Trade & General Insurance Co., Ltd.

Famous Life Insurance Co., Ltd.—Dhan-Nur, Sir Phirozshah Mehta Road, Fort.

General Accident Fire and Life Assurance Corporation Ltd.—Bank of Baroda Building, Apollo Street, Fort. (Fire—Marine—Motor—Accident and General).

General Assurance Society, Ltd.—General Assurance Building, Hornby Road, Fort. (Life—Marine—Motor—Accident and General).

GOODWILL ASSURANCE CO., LTD.—Head Office: 113, Mahatma Gandhi Road, Opp. Clock Tower, Fort, Bombay. Grams: "WILLASSUR." Phone: 30568. Chairman: S. B. Joshi, B.E., M.L.E. General Manager: R. V. Bapat, B.A., LL.B.

GREAT AMERICAN INSURANCE CO. LTD., NEW YORK.—United India Building, Sir Phirozshah Mehta Road, Fort, Bombay. Phones: 22031-32. Grams: "AFIAINDIA." P.O. Box 977. Manager for India: A. C. Gale. Manager: P. B. Dastur.

Great Eastern Life Assurance Co., Ltd., Singapore.—Ewart House, Bruce Street. (Life).

Great Social Life & General Assurance Ltd.—Great Social Building, Sir Phirozshah Mehta Road, Fort.

GRESHAM FIRE & ACCIDENT INSURANCE SOCIETY LTD.—Gresham Assurance House, Sir Phirozshah Mehta Road, Fort. Manager for India and Ceylon: E. W. Plumstead. (Fire & Marine).

GRESHAM LIFE ASSURANCE SOCIETY LTD.—Gresham Assurance House, Sir Phirozshah Mehta Road, Fort. (Life). Phone: 26001 (2 Lines). Grams: "MAHSERG."

Habib Insurance Co., Ltd.—Opp. Reserve Bank, Bazargate Street, Fort.

Hanover Fire Insurance Co. of New York.—United India Building, Sir Phirozshah Mehta Road, Fort.

Hercules Insurance Co., Ltd. (Incorporated in India).—Branch Office: 21, Ravelin Street. (Fire—Marine—Motor—Accident and General).

HOME INSURANCE CO. LTD., NEW YORK.—United India Building, Sir Phirozshah Mehta Road, Fort, Bombay. Phones: 22031-32. Grams: "AFIAINDIA." P.O. Box 977. Manager for India: A. C. Gale. Manager: P. B. Dastur.

Indian Globe Insurance Co., Ltd.—Prospect Chambers, 315-321, Hornby Road, Fort. (Fire—Marine—Life and Accident).

Indian Guarantee & General Insurance Co., Ltd.—Bank of Baroda Building, Apollo Street, Fort.

Indian Life Assurance Co., Ltd.—Bombay Branch Office: Ilaco House, Sir Phirozshah Mehta Road, Fort. (Life).

Indian Mercantile Insurance Co., Ltd.—Indian Mercantile Chambers, Nicol Road, Ballard Estate. (Fire—Life—Motor—Workmen's Compensation—Marine and Riot Insurers).

INDIAN TRADE & GENERAL INSURANCE CO., LTD.—Principal office for India, Jehangir Building, Mahatma Gandhi Road, Fort, Bombay. Grams: "ADASTRA." Phone: 36881 (3 lines). Business transacted:—Fire, Marine, Motor and Miscellaneous. Branches: (1) 10, Hastings Street, Calcutta; (2) F-43, Connaught Place, New Delhi; (3) 11-12, 1st Line Beach, Madras; (4) 14, Mahatma Gandhi Marg, Lucknow; (5) 150, Kingsway, Secunderabad; (6) Lokad Building, Belanganj, Agra; (7) 9, Sardar Patel Marg, Allahabad; (8) 1764, Laxmi Road, Sonya Maruti Chowk, Poona; (9) Pujara Mansion, Prhalad Road, Rajkot; (10) 6-E, Brigade Road, Bangalore; (11) 4/158, New Road, Mattancherry, Cochin; (12) Kottapara, Kozhikode, Calicut; (13) Meheron's Estate, Wood Street, Karachi; (14) Nairobi; (15) Aden.

JAYABHARAT INSURANCE CO., LTD., THE.—22, Apollo Street, Fort. General Dept.: French Bank Building, Hornji Street, Fort. (Fire—Life—Marine—Motor and all other classes of Insurance.) Phones: 26297-8-9.

Jena & Co.—10, Veer Nariman Road, Fort, Bombay.

Jubilee Insurance Co., Ltd.—Albert Building, Hornby Road, Fort.

Jupiter General Insurance Co., Ltd.—Imperial Bank Buildings, Bank Street, Fort. (Life—Fire—Marine—Motor—Accident, etc.).

Kaiser-I-Hind Insurance Co., Ltd.—Head Office: Sassoon Building, 141, Mahatma Gandhi Road.

Lakshmi Insurance Co., Ltd.—Lakshmi Building, Sir Phirozshah Mehta Road, Fort. (Life).

LEGAL AND GENERAL ASSURANCE SOCIETY LTD.—P.O. Box 955, Bombay. Manager for India, Pakistan and Ceylon: E. W. Plumstead. (Fire, Marine and Miscellaneous).

LIVERPOOL & LONDON & GLOBE INSURANCE CO., LTD.—12, Jamshedji Tata Road, Bombay. Secretary: H. Mercer. (Fire—Marine—Motor—Loss of Profits—Accident—Burglary—Fidelity Guarantee—Workmen's Compensation—Engineering—Aviation).

LONDON ASSURANCE, THE.—Principal Agents: Anglo-Thai Corporation Ltd., Ewart House, Bruce Street, Bombay. (Fire & Marine).

London & Lancashire Insurance Co., Ltd.—Mehta House, Apollo Street, Fort. (Fire—Accident—General).

London & Provincial Marine & General Insurance Co. Ltd.—10, Bruce Street, Fort.

MANUFACTURERS LIFE INSURANCE COMPANY OF CANADA.—123, Mahatma Gandhi Road, Fort, Bombay. Phone: 22282. Grams: "MANULIFE." Branch Secretary: C. N. Parikh. Manager for India, Burma & Ceylon: G. D. Nicholl. Secretary for India, Burma and Ceylon: W. Ure. Calcutta Branch Secretary: A. Mukherjee, 7, Netaji Subhas Road.

MARINE & GENERAL INSURANCE CO., LTD.—65, Mahatma Gandhi Road, Fort, Bombay. Phone: 31552. Grams: "AMANGY." (Fire—Marine—Accident).

METROPOLITAN INSURANCE CO., LTD.—278, Hornby Road, Fort, Bombay. Phone: 30535. Grams: "BANGALAKHI."

MOTOR UNION INSURANCE CO., LTD.—Jehangir Wadia Building, 51, Mahatma Gandhi Road. Manager: K. C. Carle. (Fire—Marine—Motor—Accident—Workmen's Compensation, etc.).

NAGPUR PIONEER INSURANCE CO., LTD.—Head Office: 16, Old Custom House Road, Manu Mansion, Fort, Bombay. Phone: 34719. Grams: "NAGPION." Chairman: Seth Indulal G. Lakhia. Managing Director: Rao Saheb G. K. Dave. Manager: R. N. Pandharipande, M.Sc.

NATIONAL EMPLOYERS' MUTUAL GENERAL INSURANCE ASSOCIATION LTD.—Kamani Chambers, 32, Nicol Road, Ballard Estate, P.O. Box 730. (Fire—Motor—Workmen's Compensation and Aviation—Personal Accidents, etc.).

National Fire & General Insurance Co., Ltd.—National Insurance Building, Hornby Road. (Fire—Marine and Accident).

National Indian Life Insurance Co., Ltd.—Bombay Branch: National Indian Insurance Buildings, Kala Ghoda, Fort. Branch Manager: N. L. Amin. Phone: 27600. Grams: "Natindian."

National Insurance Co., Ltd.—National Insurance Building, 204, Hornby Road. (Life).

National Insurance Co. of New Zealand Ltd. Hongkong Bank Building, 16, Veer Nariman Road, Fort, Bombay.

National Mutual Life Association of Australia, Ltd.—Bombay Branch: Mehta House, Apollo Street, Fort. (Life).

NEPTUNE ASSURANCE CO., LTD.—104, Apollo Street, Fort, Bombay 1. Chairman: Amritlal Kalidas. Managing Director: Mansukhlal T. Mehta. Manager: Bhairchand M. Mehta. Phones: 26258 and 26259. Grams: "NEPTUNE." (Life—Fire—Motor—Accident and Miscellaneous).

New Arctic Insurance Co., Ltd.—Bombay Branch: Imperial Bank Building Annexe, Bank Street, Fort. (Life & General).

NEW GREAT INSURANCE CO. OF INDIA, LTD.—Principal Office in the Union of India: 45-47, Apollo Street, Fort. General Manager: M. G. Mody.

New Hampshire Fire Insurance Co. of Manchester, New Hampshire.—United India Building, Sir Phirozshah Mehta Road, Fort.

NEW INDIA ASSURANCE CO., LTD.—New India Assurance Building, Mahatma Gandhi Road, Fort, Bombay. General Manager: B. K. Shah, F.I.A. (Transacts Life—Marine—Motor car all classes of Accident Business—Workmen's Compensation—Aviation—Machinery, etc.).

New Metro Insurance Co., Ltd.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.

New Zealand Insurance Company, Ltd.—Hongkong Bank Building, 16, Veer Nariman Road, Bombay.

North British and Mercantile Insurance Co., Ltd.—270, Dr. Dadabhai Naoroji Road. (Fire—Life—Marine—Motor—Accident and General).

North China Insurance Co., Ltd.—Hongkong Bank Building, Vir Nariman Street, Fort. (Marine).

NORWICH UNION FIRE INSURANCE SOCIETY LTD.—16, Bank Street, Bombay 1. Branch Manager: J. S. R. Spelman; Assistant: D. Herbert. Grams: "NUFAM." Phone: 26561.

NORWICH UNION LIFE INSURANCE SOCIETY.—16, Bank Street, Bombay 1. Manager for the East: J. S. R. Spelman; Assistant Manager for the East: A. L. Kerridge. Tel. Address: "NORLIFE." Phone: 26561.

Ocean Accident & Guarantee Corporation, Ltd.—Incorporated in Great Britain. No. 9, Wallace Street, Fort. Branch Manager: Wm. Roberts. (Motor—Accident and General).

Oriental Government Security Life Assurance Company, Ltd.—Oriental Buildings, Mahatma Gandhi Road, Fort. (Life).

Oversea Assurance Corporation Ltd.—Hongkong Bank Building, 16, Veer Nariman Road, Bombay.

PANDYAN INSURANCE CO., LTD.—Gresham Assurance House, Sir Phirozshah Mehta Road, Fort. Branch Manager: E. W. Plumstead. (Fire, Marine and Miscellaneous).

PEARL ASSURANCE CO., LTD.—Secretary: S. A. Allen, F.C.I.I. Construction House, Nicol Road, Ballard Estate. (Fire—Life—Motor—Accident and General).

Peoples Insurance Co., Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort. (Life).

PHOENIX ASSURANCE CO., LTD.—Principal Agents: Castlemuir Ltd., Alice Building, 339, Hornby Road, Fort. (Fire and Marine).

Pioneer Fire & General Insurance Co., Ltd.—Saheb Building, 195, Hornby Road, Fort, Bombay 1.

Popular Insurance Co., Ltd.—Prospect Chambers, Hornby Road. (Life).

Presidency Life Insurance Co., Ltd.—Mherwan Building, Sir Phirozshah Mehta Road, Fort.

Presidency Provident and General Insurance Co., Ltd.—Mherwan Building, Sir Phirozshah Mehta Road, Fort.

PRITVI INSURANCE CO., LTD.—Behramji Mansion, Sir Phirozshah Mehta Road, Fort, Bombay. Phone: 26735. Head office in Madras.

Provincial Insurance Co., Ltd.—Gresham Assurance House, Sir Phirozshah Mehta Road, Fort.

Prudential Assurance Co., Ltd.—Elphinstone Building, Churchgate Street. (Fire—Life—Marine).

ROYAL INSURANCE CO., LTD.—(Incorporated in England; Stockholders' Liability Ltd.). 12, Jamshedji Tata Road, Bombay. (Fire—Life—Marine—Motor—Accident (all classes), loss of Profits, Engineering, Aviation, etc.).

Ruby General Insurance Co., Ltd.—Imperial Bank Annexe, Bank Street, Fort. (Life—Fire—Motor—Accident—Marine and General).

Sahyadri Insurance Company Ltd. (Nasik).—Mherwan Building, Sir Phirozshah Mehta Road, Fort.

Scottish Alliance Insurance Co.—9, Wallace Street, Fort. (Fire).

Scottish Union And National Insurance Co.—16, Bank Street, Fort.

SEA INSURANCE CO., LTD., THE.—Head Office for India: Standard Building, Hornby Road, Fort. Tel. Address: "SEABRANCH." Phone: 30854 (2 lines). Manager for India: C. E. F. Goodway, M.B.E. Assistant: P. A. Hosker.

Sentinel Assurance Co., Ltd.—Prospect Chambers, Hornby Road, Fort. (Life—Fire—Motor—Marine—etc.).

South British Insurance Company, Ltd.—Canada Building, Hornby Road, Fort. Phone: 26244. Grams: "British". (Fire—Marine—Motor—Accident and General).

STANDARD GENERAL ASSURANCE CO., LTD.—17/B, Elphinstone Circle, Fort, Bombay. Grams: "STANGENAL." Phones—Office: 30529 and 34931. Secretary's—Res.: 31696.

STERLING GENERAL INSURANCE CO., LTD.—Head Office: Scindia House, New Delhi. Phones: 7806 & 8809. Bombay Division, Elphinstone Building, 10, Veer Nariman Road (Churchgate Street), Fort. Phone: 31725. Grams: "STERLING." Resident Manager: S. W. Cohn; Divisional Manager: R. M. Shah (Fire—Marine—Accident—Life—Aviation Insurances.)

SUN LIFE ASSURANCE CO. OF CANADA.—Canada Building, Hornby Road. Branch Manager: D. S. Dalal. Phone: 27211. (Life). Grams: "SUNBEAM."

Trinity Mutual Assurance Co., Ltd.—Sambava Chambers, 40/A, Sir Phirozshah Mehta Road, Fort.

Triton Insurance Co., Ltd.—United India Life Building, 3rd Floor, Sir Phirozshah Mehta Road, Fort, P.O. Box No. 115.

Triveni Provident Society Ltd., The.—Regd. Office: Jan Mansion, Sir Phirozshah Mehta Road, Fort.

TROPICAL INSURANCE CO., LTD. (Estd. 1927).—New Delhi. Bombay Office: 32, Apollo Street, Fort. Administrators' Representative: S. V. Nathan. Phone—Office: 27845. Residence: 27729. Grams: "TROINCO." Bombay. (Life—Fire—Marine—Craft—Motor and Accident).

Union Insurance Society of Canton, Ltd.—Hongkong Bank Building, Churchgate Street, Fort. (Fire—Marine—Motor—Accident and General).

Union Life and General Insurance Co., Ltd., The.—Dady House, Churchgate Street, Fort.

Unique Motor & General Insurance Co. Ltd.—Noble Chambers, Parsee Bazar Street, Fort.

UNITED GENERAL ASSURANCE TRUST (INDIA) LTD., THE.—(Incorporated in India). Head Office: 32, Apollo Street, Fort, Bombay. Phones: 21013 and 28801. Grams: "TRUSTASURE." (Transacts Fire—Marine—Accident and all sorts of miscellaneous Insurance).

United India Fire & General Insurance Co., Ltd.—United India Building, Sir Phirozshah Mehta Road, Fort.

United India Life Assurance Co., Ltd.—United India Life Building, Sir Phirozshah Mehta Road, Fort.

United Scottish Insurance Co., Ltd.—Hongkong Bank Building, 16, Veer Nariman Road. Attorney: C. R. C. Gardiner, O.B.E., J.P. (Fire, Marine and Accident).

Universal Fire & General Insurance Co., Ltd.—"Universal Insurance Building," Sir Phirozshah Mehta Road, Fort.

Uplift of India Provident Society Ltd.—Advani Chambers, Sir Phirozshah Mehta Road.

Vanguard Fire and General Insurance Co. Ltd., The.—Head Office: Madras. Bombay Branch: Sailor Building, 373, Hornby Road, Fort, Bombay.

Vasant Insurance Co., Ltd.—26-A, Sir Phirozshah Mehta Road, Fort.

Vikram General Assurance Ltd.—11, Bank Street, Fort, Bombay.

VISHWABHARATI INSURANCE CO., LTD.—Noble Chambers, Parsee Bazar Street, Fort, Bombay. Phone: 24981. Grams: "VIBHARATI." (Underwriters: Fire—Life—Motor—Accident and Marine.)

Warden Insurance Co. Ltd. (Estd. 1933).—Warden House, Sir Phirozshah Mehta Road, Fort.

WESTERN INDIA LIFE INSURANCE CO., LTD.—(H.O.: Satara City). Bombay Branch: Western India House, Sir Phirozshah Mehta Road, Fort. Phone: 26905. Grams: "WESTLIFE." (Life).

Yang-Tse Insurance Association, Ltd.—Hongkong Bank Building, Churchgate Street, Fort.

Yorkshire Insurance Co., Ltd.—10, Bruce Street, Fort.

Zenith Assurance Co., Ltd.—Mehta House, Apollo Street, Fort, Bombay.

INTER-COMMUNICATION TELETYPE

WESTREX COMPANY, INDIA (FORMERLY WESTERN ELECTRIC CO. OF INDIA).—Metro House, Mahatma Gandhi Road, Bombay 1. P.O. Box No. 1232. Tel. Address: "WESTELIND." Phones: 33439 & 34027.

IRON & STEEL

THE STAHLUNION COMPANY LIMITED.—India House, 4th Floor, Fort Street, Bombay 1. Tel. Address: "MARCASTEEL." Bombay. Steel Material and Products of all kinds. Branch Offices: Calcutta, Delhi.

IRON, STEEL AND BRASS WORKS

Acme Manufacturing Co., Ltd.—Construction House, Wittet Road, Ballard Estate.

Adamji Lookmanji & Co.—Rahimtoola House, Homji Street, Fort.

Adamally Sons Ltd.—277, Nagdevi Street, Bombay 3.

Alliboy Mahomedali & Co.—28, Kika Street, Gulawadi.

AMRITLAL POPATLAL & SONS.—Darukhana, Mazagaon, Bombay 10. Phone: 40688. Branch: Carnac Bunder, Iron Market. Phone: 33751.

ANANDJI HARIDAS & CO., LTD.—251, Argyle Road, Carnac Bunder, Bombay 9. Phone: 25975. Grams: "ECONOMISTS."

Art Metal Works (Estd. 1892).—Office and Factory: 100, Foras Road, near Municipal Workshop, Bombay 8.

Bachubhai Balkrishna & Co.—Latif House, Iron Jetha, Carnac Bunder.

Birmingham Iron & Steel Co.—Gordhandas Mansion, Sopari Baug Road.

Bolinjkar Metal Works Ltd. - Nana Chowk, Bombay 7.
 Bombay Iron Works.—Ripon Road Cross Lane, Byculla.
 Brady, W. H., & Co., Ltd.—Royal Insurance Building, Churchgate Street, Fort.
 Burjorji Pestonji & Sons, Ltd.—Sussex Road, Victoria Gardens, Bombay 27.
 Captain Ltd.—Empire Building, Hornby Road, Fort.
 Chadha, B. M., & Co., Ltd.—Jan Mansion, Sir Phirozshah Mehta Road, Fort, P. O. Box 671, Bombay.
 Chhotatal Keshawji & Co.—Carnac Bunder.
 Chimanlal Vaidal & Co.—80, Abdul Rehman Street.
 City Engineering Works.—Vandekar Building, Lamington Road.
 Curtis & Co., Ltd., J.—6, Mahalaxmi Bridge Arcade, Bombay 11.
 Deviprasad Khandelwal & Co., Ltd.—Iron Jetha, Carnac Bunder.
 Dixon, H. I. & Co., Ltd.—Darabshaw House, Ballard Road, Fort.
 Edgar Handley & Co.—Seksaria Chambers, 189, Meadows Street, Fort.
 Gagrat & Co.—160, Nagdevi Street.
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Hariprasad Amratlal & Co.—Iron Market, Carnac Bunder.
 Hatimbhoy, A., & Co.—Iron Jetha, Carnac Bunder, Bombay 9.
 Herman & Mohatta, B. R., Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort.
 Jagkumar & Co.—Prospect Chambers Annexe, 317-21, Hornby Road, Fort.
 Joshi & Co.—207, Kumbharwada 6th Lane, Golpitha, Bombay 4.
KAMANI FOURES STRUCTURALS LTD.—Kamani Chambers, Nicol Road, Ballard Estate. Phone: 32897 (3 lines). Manufacturers of High Tension Transmission Towers and Steel Structures (Subsidiary of Kamani Engineering Corporation Ltd.).
 Kothari, P., & Sons.—2nd Kumbharwada, Bombay 4.
 Manekchand Jivraj & Co.—Old Iron Jetha, Darukhana.
 Mehta & Co.—35, Abdul Rehman Street.
 Miakhan Adamji & Co.—Carnac Bunder.
 Modern Textile Engineering Works.—194-A, Trimbak Parashram Street, Golpitha, Bombay 4.
MUKAND IRON & STEEL WORKS LTD.—Signal Hill Avenue, Brick Bunder, Sewree, Bombay 15 and Agra Road, Kurla, Greater Bombay.
 Muncherjee Byramjee & Co. (Estd. 1882).—Office and Factory: Jernibhoy Street, 100, Foras Road, near Municipal Workshop, Bombay 8.
 Murlimal Santram & Co.—Iron Jetha, Carnac Bunder.
 Mysore Iron & Steel Works, The.—Lakshmi Buildings, Sir Phirozshah Mehta Road, Fort.
 Nadirshaw & Bros.—"Silver Talkies" Building, Khetwadi Back Road, Bombay 4.
 National Hardware & Stores Supply Co.—30, Khoka Bazar, Sarang Street, Bombay 3.
NEW CRESCENT ENGINEERING CORPORATION.—Engineers and Iron Founders. Works: Dhaku Prabhu Wadi, Ghorupdeo, Bombay 10. Office: 134, Meadows Street, Fort.
 New Standard Engineering Co., Ltd.—222, Bellasis Road, Byculla.
PARKEE & PARBHOO LTD.—Khetwadi Back Road, Bombay 4.
 Pioneer Iron Foundry.—11, Sukhlaji Street, Corner of Grant Road.
 Prabhudas, C., & Co.—247, Argyle Road, Carnac Bunder.
 Ramniklal Maganlal & Co.—Iron Market, Carnac Bunder.

Ramsaran Dass Aggarwal & Sons.—163, Nagdevi Cross Lane, Bombay 3.
 Reliance Trading Corporation.—12, Noble Chambers, Parsi Bazar Street, Fort.
 Richardson & Cruddas.—Byculla Ironworks, Byculla.
 Ripon Foundry, New.—236, Ripon Road, Byculla.
 Samartha Engineering & Weaving Co., Ltd.—Neville House, Ballard Estate.
 Samuel Osborn (India), Ltd.—Patel House, Churchgate Street.
 Service, Geo. & Co.—Sohrab House, 237, Hornby Road.
SEWREE IRON & STEEL CO.—Office and Works: 6, Sewree Cross Road, Bombay 15. Phone: 62981. Grams: "SEW-REERON."
 Shaco Iron & Brass Foundry.—Cooper's Compound, 6th Kumbharwada Lane, Bombay 4.
 Shaco Iron & Steel Works.—Cooper's Compound, 6th Kumbharwada Lane, Bombay 4.
 Shantilal Parmanand & Co.—47A, Carnac Siding Road.
SHAPARIA DOCK & STEEL CO., LTD.—Structural Engineers & Shipbuilders, Contractors, Iron & Brass Founders, Suppliers to Directorate-General of Industries & Supplies, Railway, Public Works Dept., Specialising Tipping Wagons, Sugar-cane Wagons, Light Railway Equipments, Wheel Barrows, Hand Trucks, Steel Cabinets & Safes, Jewellers' Security Lockers, Rolling Shutters, Rolling Grills, Collapsible and Ornamental Gates, Roof Lights, Structural Steel Works, Corrugated Steel Pale Fencing, Garden Furniture, Lead-U-Lite for Caulking Pipe Joints & Suppliers of H. S. A. Diesel Engines, Barron Stone Crushers, Sugar-cane Crushers, Veraloy Carbide Tipped Tools, Road Rollers, Actarc Welding Electrodes, Sewri, Bombay 15. Grams: "SHAPARIA." Phone: 60071 (2).
 Shaparia Iron & Steel Works, Ltd.—Opp. Venus Cinema, Parel Road Cross Lane.
 Standard Metal Works.—17, Falkland Road Low Level, Bombay 7.
STANDARD ROLLING SHUTTERS & ENGINEERING WORKS.—On approved Government & P.W.D. List. Works: 37-A, Parel Road Cross Lane, Next to Byculla Goods Yard, Bombay 12. Phone: 41624. Office: 11, Bruce Street, Fort. Office Phone: 31867. Grams: "ROLSHUTTER." Manufacturers of M. S. Rolling Shutters, Rolling Grills, Collapsible Gates, Victoria and Tonga Channels, Railings, Grills, Corrugated Steel Pales Fencing, Pressed Steel Gutters, Tanks, Compound Gates, Wheel Barrows, Municipal & P. W. D. Carts, Steel Structures, etc.
 Steel Industrial Corporation of Bombay.—39-2, Carpenter Street, Khetwadi Main Road, Bombay 4.
STEEL INDUSTRIES OF HINDUSTAN LTD.—Magazine Street, Darukhana, Bombay 10. Phone: 73896. Grams: "FERRO-TYPES."
 Sun Metal Works.—Factory, Ghodbunder Road, Malad.
 Tata Iron & Steel Co., Ltd.—Bombay House, 24, Bruce Street, Fort.
 United Steel Companies (India), Ltd., The.—Himalaya House, Junction of Hornby Road and Palton Road, Bombay 1.
 Vithal Purushotam & Sons, Ltd.—2nd Khetwadi Lane, Bombay 4.
 Vithaldas, D., & Co.—78, 1st Pathan Street, Golpitha, Bombay 4.
 Yahya & Company.—123, Abdul Rehman Street, Bombay 3.
 Zenith Iron Works.—46, Abdul Rehman Street, Bombay 3.

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Adamally Sons Ltd.—277, Nagdevi Street, Bombay 3.
 Adamji Lookmanji & Co.—Rahimtoola House, Homji Street, Fort.
 Adamji Lookmanji (Iron & Steel) Ltd.—Rahimtoola House, Homji Street, Fort.
ALLIED STEEL TRADERS.—Carnac Bunder, Bombay 9. Phone: 22932. Grams: "IRONMASTER."
 Amritlal Popatlal & Son.—Darukhana, Mazagaon, Bombay 10.
ANANDJI HARIDAS & CO., LTD.—Argyle Road, Carnac Bunder. Phone: 25975.
 Arvinda Bros.—165, Vithalbhai Patel Road, Bombay 4.
 Palmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate, Fort.
 Beharimal Jagmal.—20, Latif House, Argyle Road, Carnac Bunder, Bombay 9.
 Bombay Metal Products Co.—86, Khandewadi, Bombay 4.
 Central Safe Co.—286, Kalbadevi Road.
CHHAGANLAL & CO.—Carnac Bunder, Bombay 9. Phone: 20751. Grams: "CONTRACTS."
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GANGARAM & CO., R.—180, Masjid Bunder Road, Bombay 3. Phone : 71573. Grams : "JOSHIMETAL."

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Hatlimbhoy, A., & Co.—Iron Jetha, Carnac Bunder, Bombay 9. Herman & Mohatta, B. R., Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort.

Indian Standard Metal Co., Ltd., Chinchpokli Cross Lane, Bombay 27. Indo-Bombay Trading Co.—34, Nagdevi Street, Bombay 3. International United Trading Corporation.—80-90, Lohar Street, Bombay 2.

Khushiram Tarachand Ltd.—23, Argyle Road, Bombay 9.

Malcolm & Co.—263, Hornby Road, Fort.

Maneklal & Co.—160, Hornby Road, Fort, Bombay.

Mehta & Company.—Latif House, Argyle Road, Iron Market, Bombay 9.

Mehta Nanavati & Co.—Barbhai Moholla, 96, Narayan Dhuru Street, Bombay 3.

Nagdevi Tool-Steel Mart.—186-88, Nagdevi Street, Bombay 3.

NATIONAL HARDWARE & STORES SUPPLY CO.—Post Box 3146, Bombay 3. Phone : 33462. Grams : "REQUISITES."

NEW ERA STEEL CO.—75, Zaveri Bazar, Bombay 2. Odhavji, B., & Co.—Carnac Bunder, Argyle Road, Bombay.

P. L. BHATT & CO.—5, Bharat House, 104, Apollo Street, Fort, Bombay. Phone : 34454. Cables : "DIGNIFIED." Ramniklal Amidias & Co.—Carnac Bunder, Iron Jetha, Bombay 9.

RAMNIKAL MAGANLAL & CO.—Carnac Bunder, Bombay 9. Phone : 25992. Grams : "TESTED."

Richardson & Cruddas.—Byculla Iron Works, Byculla.

Rowe & Rowe.—381, Hornby Road, Fort.

Royal Express Agency.—247, Nagdevi Street, Bombay 3.

Singham Bros. & Co. (India) Ltd.—P. O. Box 894, Bell Building, Sir Phirozshah Mehta Road, Fort.

Steeley Limited.—Rahimtoola House, Homji Street, Fort.

SUDESHI & CO.—Approved Dealers and Stockists of: The Tata Iron and Steel Co., Ltd., opp. New Sugar Market, Frere Road, Bombay 9. Phone : 32531. Grams : "SPEEDSTEEL." Tarachand Gupta & Bros.—Narayan Dhuru Street, Bombay 3.

Tirathram Kashmirilal.—89, Nagdevi Cross Lane, Bombay 3. Thos. W. Ward (India) Ltd.—Marshall Building, Ballard Road, Ballard Estate, Fort. T. Sahebbhoy & Co.—54, Sarang Street, Bombay 3. United Steel Companies (India) Ltd.—Patel House, Churchgate Street, Fort.

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Mysore Silk Depot.—112-113, Swadeshi Market, Kalbadevi Road.

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Army & Navy Stores Ltd.—Mahatma Gandhi Road.

Bala Appaji & Son.—Raja Bahadur Bansilal Motilal Mansion, Bruce Street, Fort.

B. Jamahedi Jivanji (Estd. 1901).—Opp. Mumbadevi, Zaveri Bazar, Bombay 2.

Bhojwani Brothers.—24-A, Munira Lodge, Colaba Causeway, Bombay 1. (Established 1828).

Chandulal L. Khokhani & Co.—130/32, Sheikh Memon Street, Bombay 2.

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CHIMANLAL MANCHAND & CO.—Leading State Jewellers, under Special Appointment to Baroda, Jaipur, Jodhpur, Cooh-Behar, Palampur, Jubbal and Indore States. Show-room: Opp. Opera House, New Queen's Road. Grams: "PLATINUM."

CHIMANLAL POPATLAL MINAWALLA (Estd. 1931).—Art Jewellers, Specialists in Gold, Enamel and Diamond Ornaments, Dhanji Street, Bombay 3. Phone: 28352. Grams: "GOLDENAMEL."

CULTURE PEARLS DEALING CO.—Madras Building, 2nd Floor, 148, Mumbadevi Road, Bombay 2. Wholesale and Retail Dealers in (Real) Culture Pearls and other Jewelleries. Grams: "ORNAMENTS."

Dayalal Makanjee Zaveri. —Zaveri Bazar, Bombay 2.

DANABHAI & AMRATLAL MINAWALLA (Estd. 1931).—Art Jewellers, 252-54, Sheikh Memon Street, Bombay 2. Phone: 24950. Grams: "ENAMELWORK."

Dinshah D. Kanga & Co.—Princess Building, Princess Street, Bombay.

Dipchand M. Shah.—17, Dhanji Street, Bombay 3. Phone: 20417. Grams: "Godiparas."

D. Chellaram.—"Dhun-Nur", Sir Phirozshah Mehta Road, Fort.

D. P. Pundole & Sons.—369-371, Hornby Road, Fort.

Doulatram Vallabdas.—Jewellers (Karachiwala), 257, Sheikh Memon Street, Zaveri Bazar.

DUBAIE, P., & CO. (Estd. 1883).—88, Meadows Street, Fort. Jewellers & Diamond Merchants. Dealers in Silver, Electroplatewares, Cut Glass & Sport Cups, Shields, Medals and Expert Repairers and Electroplaters. Phone: 34447.

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Gadar Bros.—Taj Mahal Hotel, Apollo Bunder.

General Radio & Appliances Ltd. (Formerly Fazalbhoy Ltd.).—16, New Queen's Road, Bombay 4.

Gordhandas K. Jhaveri & Co.—Oomrigar Building, opp. Crawford Market.

Harilal Lalji & Co.—149, Sheikh Memon Street, Bombay 2.

Hemchand Mohanlal & Co.—Devkibal Bhuvan, Dhanji Street, Bombay 3.

INDIAN ART MUSEUM LTD.—Carnac Bridge, Bombay 3. Phone: 20726. Grams: "INDARTMUSE."

Jhaveri Bros. & Co. Ltd. (Estd. 1914).—Jewellers and Gift Specialists, 345, Abdul Rehman Street, near Crawford Market.

Khatu Chatrabhuji.—40-41, Swadeshi Market, Kalbadevi Road, Bombay 2.

Kotwal Bros.—Near Cama Baug, opp. Girgaum Police Court, New Charni Road.

K. Wadia & Co.—324, Grant Road, Bombay 7.

Lalit Jewellery Mart.—435, Lamington Road, near Opera House, Bombay 4.

Lund & Blockley.—Sassoon Institute Building, 150-154, Mahatma Gandhi Road.

Maganbhai & Lalubhai.—184/186, Shaikh Memon Street, Bombay 2. Mappin & Webb, Ltd.—Central Bank Buildings, Mahatma Gandhi Road.

Motilal Dayabhai & Sons.—208, Walkeshwar Road.

Nagindas Lalubhai & Sons.—33-37, Dhanji Street, Bombay 3.

Nanji Bhagwan Bros.—Sheikh Memon Street.

Nanubhai Jewellers.—115, Mahatma Gandhi Road, Fort.

NAROTAMDAS BEAU.—Jeweller, Bhaskar Mansion, Lamington Road, Bombay 4. Phone: 71433; Branch at: Sheikh Memon Street, Bombay. Phone: 20565.

New Pearls Trading Agency.—Patel Building, 76-A, Sheikh Memon Street, Zaveri Bazar.

N. M. Gidvan.—631-A, Girgaum Road, Guzdar House, Dhobi Talao, Bombay 2.

Patwardhan Bros.—Ganga Nivas, Ranade Road, Dadar.

Pavri, J. K.—10, Karim Chambers, Hamam Street, Fort.

Pendurkar, G. B., & Co.—Bhagirathi Nivas, Lady Jamshedji Road, Dadar.

Philips & Co.—Waterloo Mansion, Mayo Road, Fort.

Pohoomull Bros. (India).—Bomanji Master Road, Kalbadevi, Bombay 2.

Prabhat Watch Co.—Prarthana Samaj Corner, Bombay 4.

Purshotam Becher & Bros.—108-109, Swadeshi Market, Kalbadevi Road, Bombay 2.

Purnam, R. V.—Manufacturing Jewellers, Diamond and Pearl Merchants, 62, Meadows Street, Fort. Phone: 24645. Grams: "Fairvalue."

PURSRAM, S. N.—55-E, Yusuf Building, Churchgate Street, Fort. Phone: 22630. Grams: "GEMEXPERT." Manufacturing Jewellers, Pearl and Diamond Merchants.

Rai & Co., R. H.—Cecil Court, Corner of Lansdowne Road and Colaba Causeway, opp. Majestic Hotel, Fort.

Ramniklal C. Kothari.—178-96, Agiary Lane, Bombay 2.

Rasiklal Hirani & Co.—205, Sheikh Memon Street, Bombay 2.

Roopchand Bros.—Ganeshwadi, Sheikh Memon Street.

Roopchand Punjab Jewellers.—French Bridge, opp. Opera House, Bombay 4.

Ruby & Co.—Cutch Castle, opp. Opera House.

Salch.—Jeweller, 344, Abdul Rehman Street, near Crawford Market, Bombay 2.

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Sanghavi, V. V., & Co.—528, Cheera Bazar, Kachwala Mansion, Girgaum Road.

Shani Vishrar Zaveri.—Sheikh Memon Street, Bombay 2.

Shantilal, N., & Co.—3, Dhanji Street, C/o Diamond Merchants' Association.

Sharda Stores.—104, Swadeshi Market, Kalbadevi Road, Bombay 2.

SHEWAKRAM & SONS (JEWELLERS).—Prospect Chambers, 315-317, Hornby Road, Fort. Phone: 23517. Grams: "CLUSTER."

Somchand M. Shah.—Mangesh Building, New Bhatwadi Street, Bombay 4.

Surajmal Lalubhai & Co.—359, Kalbadevi Road.

Tikandas Brothers.—Next to Regal Cinema, Apollo Bunder, Fort.

TRIBHOVANDAS BEHIMJI ZAVERI (ESTD. 1851).—241-43, Sheikh Memon Street, Bombay 2. Phone: 23741. Leading House for Gold Ornaments, Diamonds and Silver. Presentation Novelties.

Vallmohomed Gulamhusain Sonavala & Co.—126, Mumbadevi, Zaveri Bazar.

Wadia, K., & Co.—Opp. London Hotel, Grant Road.

WAMAN HARI PETHE.—Pethe Building, Girgaum Road, Bombay 4. Dadar Branch: 69, Portuguese Church Street, Dagdi Wadi, Bombay 14. Diamonds, Pearls and Jewellery Merchants. Ask for anything as to sale, purchase or exchange. Reliable Jewellery at moderate prices. Ready Stock and also made to order.

Weldon Jewellers Ltd.—Barla Building, Opp. Crawford Market, Bombay 3.

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EBRAHIM ALLIBHOY & SONS (ESTD. 1934).—Importers and Exporters of Cutlery, Rubber and Plastic Toys. Imitation Jewellery, Presentation Articles and Novelties. 260-64, Abdul Rehman Street, Bombay 3. Phone: 33463.

Madhusudan & Co.—94, 3rd Bhoiwada, Bombay 2.

Prem Motwani.—Gangaram Building, Babulnath Road, Bombay 7.

Venus Sales Corporation.—12, Calicut Street, Ballard Estate, Bombay.

JEWELLERY CASES MFRS. & DEALERS

Crown Box Factory.—94, Dhanji Street, Bombay 3.

Dipchand M. Shah.—17, Dhanji Street, Bombay 3. Phone: 20417.

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Asian Trading Corporation.—P.O. Box No. 1505, 20, Mangesh Street, Bombay 1.

Bulchand Co., L.—Moos Building, 510, Kalbadevi Road.

Central Trading Co.—81, Cawasji Patel Street, Fort.

Chandulal & Co.—Kathawalla, 11, Kazi Sayed Street, Bombay 9.

Din Products Ltd.—219, Frere Road, Opp. G. P. O., Fort.

Dwarkanadas Vojli Talpatriwala.—36, Issaji Street, Bombay 3.

Express Corporation.—Co-operative Insurance Building, Sir Phirozshah Mehta Road, Fort.

Husein Ebrahim.—75, Mahomedalli Road, Bombay 3.

Jagkumar & Co.—Prospect Chambers Annexe, 817-21, Hornby Road, Fort.

Keshavlal Talakhchand.—80, Manordas Street, Bazargate, Fort. K. Metharam.—491-3, Kalbadevi Road.

Maga Traders.—20, Dadisheth Agiary Lane, Bombay 2.

M. Daldas & Sons.—190, Princess Street.

Menty, S. M., & Co.—13, Horniman Circle, Fort.

Mulkhram (India) Ltd.—Waterloo Mansion, Wodehouse Road, Fort.

National Hardware & Stores Supply Co.—Post Box 3146, Bombay 3.

Natwar Trading Co.—395, Kalbadevi Road, Bombay 2.

Pavri, J. K.—11, Karim Chambers, Hamam Street, Fort.

Peerbhoy & Sons, E.—64, Mahomedali Road, Bombay 3.

Singham Bros. & Co. (India) Ltd.—P.O. Box 894, Bell Building, Sir Phirozshah Mehta Road, Fort.

TARISINGH HARBINDERSINGH.—Kitab Mahal, Hornby Road, Fort, Bombay 1. Phone: 28386.

Tavaria Bros.—Dhan Nur, Sir Phirozshah Mehta Road, Fort. Vithaldas & Company.—76, Khand Bazar, Bombay 3.

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Indian Commercial Co., Ltd.—45-47, Apollo Street, Fort, Bombay.
Raj Mechanical Industries.—Branch Office: 12, Calicut Street.

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Asian Trading Corporation.—P. O. Box No. 1505, 20, Mangesh Street.

Balmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate, Fort.

Bhagwandas Devalhi, Ltd.—87, Princess Street.

Bole Brothers.—49, Princess Street, Bombay 2.

Bombay Surgical Medical Agency, Ltd.—P. O. Box 2093, Bharucha Building, Princess Street. Phone: 22202.

CRAFTSMAN ELECTRONIC CORPORATION LTD.—Navsari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Masagaon, Bombay 10.

Deepak Industrial and Engineering Corporation.—16, Bank Street, Fort.

DOCTOR & CO.—Bombay Mutual Terrace, 534, Sandhurst Road, Bombay 7. Grams: "DIATHERMY." Suppliers of Surgical, Scientific, Laboratory, Hospital and Research Equipments and Instruments.

Donald & Co.—255, Princess Street, Bombay 2.

Fredrick Herbert.—10, 2nd Fasta Lane, Colaba.

Gandhi Brothers.—Anand Bhuwan, Princess Street, Bombay 2.

GORDHANDAS, DESAI & CO.—305, Hornby Road, Fort. Grams: "MICROSCOPY." Phone: 24808. Stockists of Surgical, Laboratory, Hospital & Surgical Instruments.

Heco (India).—1, Home Street, Fort.

Imperial Surgical Co.—361, Hornby Road, opp. Oriental Life Building, Fort.

India Syringe Works.—Mangalwadi, Bombay 4.

India Traders.—101-B, Girgaum Terrace, Bombay 4.

JAGTIANI, J. J.—National House, 8, Tulloch Road, Apollo Bunder, Post Box No. 332, Bombay 1. Phone: 35229. Grams: "FACIMARE." Specialists in Scientific and Medical Laboratory Equipment. Sole Agents for the famous German Beck Kassel Microscopes.

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KILBURN & CO., LTD.—Asian Building, Ballard Estate, Bombay. Phone: 31908. Grams: "TASCONIUM."

MARTIN & HARRIS LTD.—Savoy Chambers, Wallace Street, Bombay 1.

Medical Appliances Manufacturers Co.—Rustom Building, Vir Nariman Street, Fort.

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SEAH, M., & CO.—Kanjli Mansion, Sandhurst Road, Bombay 4. Techno-Industrial Syndicate.—19-B, Noble Chambers, Parsi Bazar Street, Fort.

TEMPO INDUSTRIAL CORPORATION.—1st Floor, Devkaran Mansion, Princess Street, Bombay 2. Phone: 24372. Manufacturers of Electric Water Still, Hot Air Ovens, Incubators and Water Baths, etc.

Thos. W. Ward (India) Ltd.—Marshall Building, Ballard Road, Ballard Estate, Fort.

UNIQUE TRADING CORPORATION.—51-53, Babu Genu Road, New Hanuman Lane, Bombay 2. Phone: 26983. Grams: "UNILAB."

Valab & Co., Ltd.—Podar Chambers, Parsee Bazar Street, Fort.

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Asian Trading Corporation.—P. O. Box No. 1505, 20, Mangesh Street, Bombay.

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Eagle Advertising Tape Factory, The.—Eagle Wadi, Kuria (Central Rly.). Phone: 87055. Grams: "Eagle." Kuria. Manufacturers & Suppliers of Advertising Tape, Woven Labels, Laces, Ribbons, Trimmings and other kinds of Tapes

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Gulam Rasul Allahbux.—1/B, Bachooali House, Nowroji Hill Road No. 1, Bombay 9.

Haji Abou Haji Esmail Rokerya.—P. O. Box No. 8068, 15, Shamset Street, Bombay 2.

Haneef, S. M., & Co.—Bachooali House, Haji Bachooali Road, Bombay 9.

H. Govindji Dayaram (Estd. 1923).—Holland House, Colaba Causeway, Bombay.

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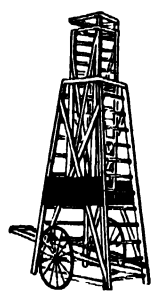
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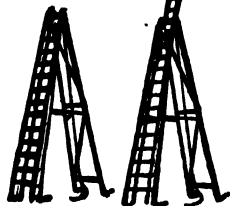
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Madhusudan & Co.—94, 3rd Bholwada, Bombay 2.
Modern Indian Art Crafts.—Sambava Chambers, Sir Phirozshah Mehta Road, Fort.
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Wadhwaney Bros. (India).—172-174, Hornby Road, Fort.

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Abdul Rahim & Co., C.—151, Chackla Street, Bombay 3.
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Beardsell, W. A., & Co., Ltd.—Dhan-Nur Building, Sir Phirozshah Mehta Road, Fort.
Birkmyre Brothers Ltd.—12, Rampart Row, Fort, Bombay.
Brady, W. H., & Co., Ltd.—Royal Assurance Building, Vir Nariman Street, Fort.
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Empire Trading Co.—70-A, All Chambers, Tamarind Lane, Fort.
Gannon, Dunkerley & Co., Ltd.—Chartered Bank Building, Mahatma Gandhi Road, Fort.

Herman & Mohatta, B. R., Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort.

Indusco (India).—Ibrahim Building, 6, Bell Lane, Fort, Bombay.

Industrial Leather Co., Ltd., The.—9, Ash Lane, Fort.

Jaswantlal Manecklal & Co.—40, Vir Nariman, Street, Fort.

Jaswantlal Manecklal & Co.—97, Nagdevi Street, Bombay 3.

Kilburn & Co. Ltd.—Asian Building, Nicol Road, Ballard Estate, Fort.

KIRON TEXTILE INDUSTRIES.—4th Floor, Yusuf Building, 43, Mahatma Gandhi Road, Fort, Bombay. Grams: "YANTRATYUG."

Laxminarayan Mill Supply Co.—Noble Chambers, 116, Parsi Bazar Street, Fort.

Marshal Textiles (India).—104, Apollo Street, Fort.

Morrison Nicols (India).—Shree Kant Bhuvan, Picket Road, Bombay 2.

National Leather Industries.—105, Sir Vithaldas Chambers, Apollo Street, Fort.

National Trading Co.—263, Hornby Road, Fort.

Ormerods (India) Ltd. Bank of Baroda Building, Apollo Street, Fort, P. O. Box No. 410, Bombay.

Parikh Brothers & Co.—45-47, Apollo Street, Fort.

Rajasthan Trading Co. Podar Chambers, Parace Bazar Street, Fort, Bombay.

R. P. Shah & Co.—12, Bell Lane, Fort.

Techno Industrial Co.—107, Sir Vithaldas Chambers, 16, Apollo Street, Fort.

Textile Supplies Syndicate (India) Ltd.—Kermani Building, Sir Phirozshah Mehta Road, Fort.

Todi & Co.—41, Hamam Street, Fort.

Union Textile Agency.—55, Laxmi Building, Sir Phirozshah Mehta Road, Fort.

Venus Textile Syndicate.—Sambava Chambers, Sir Phirozshah Mehta Road, Fort.

WESTERN INDIA TANNERIES, LTD.—Manufacturers of Leather Beltings, Picking Bands, Buffers, Roller Skins, Pickers, Washers, Laces, etc., Dharavi, Bombay 17. Phone No. 62841. Grams: "EASTKIP."

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Art Leather Ltd.—315-G, Charni Road, Bombay 4.

"ARTISTIC" LEATHER GOODS MANUFACTURERS.—Phiroz Building, Apollo Pier Road, Fort. Manufacturers of Brief and Document Cases.

Bengal Stores & Agency.—Sambava Chambers, Sir Phirozshah Mehta Road, Fort.

Bharat Leather Works.—183, Abdul Rehman Street, Bombay 3.

Rhoghilal Shah & Co.—Mehta Building, Medows Street, Fort.

Bombay Leather Crafts.—Sambava Chambers, Sir Phirozshah Mehta Road, Fort.

BOMBAY LEATHER GOODS DEPOT.—No. 14, Chhipi Chawl (Shamshet Street), Bombay 2. Phone: Office: 23149. Res.: 61764. Manufacturers and Dealers in all kinds of Leather, and Canvas Goods. Stockists of Leather Goods Fittings and Plastic Sheetings. Specialists in Travelling Requisites.

Bombay Swadeshi Co-operative Stores Co., Ltd.—Western India House, Sir Phirozshah Mehta Road, Fort.

BRIGHT LEATHER INDUSTRIES.—95/97, Bhandari Street (of Chakia Street), Bombay 3. Manufacturers and Suppliers of all kinds of Leather and Canvas Travel-goods and Presentation Novelties such as: Suitcases, Document Cases, Ladies' Hand Bags, Money-Purses, Holdalls and Travelling Bags, etc.; Stockists of Leather goods Fittings and Plastic Sheetings. Export enquiries are solicited.

Calcutta Sola Hat Agency.—Dwarkanadas Building, Mangaldas Road, Bombay 2.

Caprihans (India) Ltd.—Janmabhoomi Chambers, Fort Street.

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EAST ASIATIC COMPANY (INDIA) LTD.—Wavell House, Graham Road, Ballard Estate. Phone: 30995. Sole Agents for Gordon Woodroff Leather Mfg. Co., Ltd.

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ELGIN LEATHER WORKS LTD.—327, Hornby Road, Fort, Phone: 33593. Grams: "BESTKIT."

Fakir Mohamed Jan Mohamed. Madina Building, Palton Road.

General Radio & Appliances Ltd.—16, New Queen's Road, Bombay No. 4.

Getz India Ltd.—Western India House, Sir Phirozshah Mehta Road, Fort.

Gold Filled Leather Works.—Princess Street and Sandhurst Road, Bombay.

Goldwynn Leather Works.—25, Sitaram Building, Crawford Market, Hornby Road, Bombay 1.

GOVIND HARI BHANA.—109, Mahatma Gandhi Road, opp. Rajabhai Clock Tower, Fort. Manufacturer and Contractor, Wholesale and Retail Stockist of Harness and Saddler, Civil and Military Riding Boots and Shoes, Steamer Wardrobes, Railway Baggage, Motor Carriers, Outing Bags, Fitted Dressing Cases, Ladies Handbags, Picnic Outfits and all kinds of Fancy Leather Goods.

Gulam Rasul Allahbux.—1/B, Bachooali House, Nowroji Hill Road No. 1, Bombay 9.

Hornby Leather Works.—Reay House, Hornby Road, Fort.

IDEAL LEATHER WORKS.—Kitab Mahal, 1st Floor, 192, Hornby Road, Fort, Bombay. Manufacturers of fancy leather goods (Wallets, Purses, Portfolios, etc.).

India Goatskin Corporation Ltd.—Dharavi.

India Novelty Co.—23-25, Hamam Street, Fort.

Indian Industries Palace.—38, Carnac Bridge, Bombay 3.

Indo-European Trading Co.—98, Dhabu Street, Bombay 3.

J. J. Jhaveri Ltd. Raja Bahadur Motilal Mansions, 41-A, Bruce Street, Fort, Bombay 1.

L. R. Trading Co.—Navsari Chambers, opp. Lloyds Bank, Outram Road, Fort.

Manufacturers' Eastern Agency.—105, Apollo Street, Fort.

Modern Indian Art Crafts.—Sambava Chambers, Sir Phirozshah Mehta Road, Fort.

National Leather Industries.—105, Sir Vithaldas Chambers, Apollo Street, Fort.

Natwar Trading Co.—395, Kalbadevi Road, Bombay 2.

Noorbhai Jivaji.—Tyebi Manzil, Bhendy Bazar, near Tram Junction.

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 Todd & Co.—41, Hamam Street, Fort.
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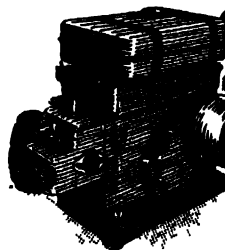
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TRADE INQUIRIES INVITED

Mercury Mill Gin Stores Co.—5-A, Advani Chambers, 41, Sir Phirozshah Mehta Road, Fort.

Merit Oil & Trading Co. Ltd. (Estd. 1924).—28, Apollo Street, Fort.

Milford Brothers.—7/11, Elphinstone Circle, Fort.

Mill Factors Corporation.—Advani Chambers, Sir Phirozshah Mehta Road, Fort.

Mills Store Co., The.—43, Nagdevi Cross Lane, Bombay 3.

Mill Stores Trading Co., of India Ltd.—Mehta House, 79-91, Apollo Street.

Minerva Engineering Stores.—76, Nagdevi Street.

Minoo Mill Supply Co.—20-32, Apollo Street, Fort.

Modern Engineering Co.—107, Apollo Street, Fort.

MODERN MILL STORES.—97, Nagdevi Street, Bombay 3. Phone: 22194. Grams: "PIPEFIT." Mill Furnishers, Specialists in all sorts of Beltings, Bobbins, Roller Skins and all Textile Leather Goods.

Modern Shuttle Manufacturing Co., Ltd.—15, Forbes Street, Fort, Bombay.

Modern Sizing Finishing & Textile Stores.—19, Sir Phirozshah Mehta Road, Fort.

Mody Trading Co.—163, Nagdevi Cross Lane, Bombay 3.

Morgan Miller & Co.—219, Frere Road, Fort.

Muljibhai Chhotalal & Co.—76-78, Nagdevi Street, Bombay 3.

Munim, V. I., & Co.—Wadia Building, 17-19, Dalal Street, Fort.

Nagindas Kilabhai & Co.—Crescent Chambers, Tamarind Lane, Fort.

Nairsons (Bombay) Company - 105, Sir Vithaldas Chambers, Apollo Street, Fort.

Nanavati & Co., Ltd.—16, Apollo Street, Fort.

Narandas G. Bhatia & Bros.—167, 5th Cavel Cross Lane, Galwadi, Bombay 2.

Narandas Ranchhodas & Co.—98, Nagdevi Cross Lane, Bombay 3.

Narielwala, B. P., & Sons.—101, Apollo Street, Fort.

Narotandas Chunilal & Co. (Estd. 1903).—51, Tamarind Lane, Fort.

National Commercial Corporation, Ltd.—251-53, Hornby Road, Fort.

NATIONAL HARDWARE & STORES SUPPLY CO.—Post Box 3146, Bombay 3. Phone: 33462. Grams: "REQUISITES".

NATIONAL TRADING COMPANY.—263, Hornby Road, P.O. Box 158, Bombay 1. Phone: 26749. Grams: "BHARAT." Manufacturers' Representatives and Distributors of Sizing and Finishing materials and auxiliaries, Textile Leather goods, Bobbins, Shuttles, etc. Branches: Ahmedabad, Calcutta, Coimbatore and Delhi.

New Associated Commercial Enterprises, Ltd.—166, Hornby Road, Fort.

New India Hardware Mart.—152, Narayan Dhuru Street, Bombay 3.

Noble Mill Stores Co.—Western India House, Sir Phirozshah Mehta Road, Fort.

Noble Trade Co.—141, Nagdevi Street, Bombay 3.

Nooroodin Shaikadam & Co.—159, Nagdevi Street, Bombay.

Ochhaval, R., & Co.—86, Nagdevi Street, Bombay.

ORIENTAL MILL SUPPLY CO., LTD.—29-A, All Chambers, Dean Lane, Fort. Phone: 20328. Grams: "OMILLCO."

Oriental Textile Agency.—Botawalla Building, 11/13, Elphinstone Circle, Fort.

Orion Trading Co., Ltd., The.—Opp. Round Temple, Sandhurst Road, Bombay 4.

ORMERODS (INDIA), LTD.—Bank of Baroda Building, Apollo Street, Fort. P.B. No. 410, Bombay. Phone: 27077-78 (2 lines). Grams: "RAMSHEAD."

Overseas Commercial Corporation—Kitab Mahal, 192, Hornby Road, Fort.

PANALAL MOHANLAL & CO.—89, Nagdevi Street, Bombay 3. Direct Importers of Copper, Brass, Galvanised Black Pipes & Fittings and Gun Metal Fitting & Valves.

Pan-Asiatic Overseas Co., Ltd.—19, Sir Phirozshah Mehta Road, Fort.

Pandit & Co.—15, Forbes Street, Fort.

Paper Agents Ltd.—250, Shelkh Memon Street, Bombay 2.

PARAMOUNT (INDIA) LTD.—Kermand Building, Sir Phirozshah Mehta Road, Fort, Bombay 1.

Paramount Traders.—Bhagwan Bhuvan, 61, Tejpal Road, Vile Parle (East), Bombay 24. Grams: "Undisheri", Indentors and Commission Agents.

PAREKH BROS.—Sangli Bank Building, Behind Reserve Bank, 296, Basargate Street, Fort, Bombay. Phone: 34394. Grams: "DHUMKETU." Direct Importers and Stockists of Textile Stores and Textile Machinery.

Parekh Trading Co.—48, Nagdevi Cross Lane, Bombay 3.

Parikh Brothers & Co.—45-47, Apollo Street, Fort.

Patel, U. D., & Co.—11, Bank Street, Fort.

Patel, P. R., & Co., Ltd.—Mherwan Building, Sir Phirozshah Mehta Road.

Phiroz N. Motabhoj & Co., Ltd.—Motabhoj Building, Corner of Meadows and Forbes Streets, Fort, Bombay.

Pravinchandra Sharda Kumar & Co.—Co-operative Insurance Building, Ground Floor, near lift, Sir Phirozshah Mehta Road, Fort.

P. Dilip & Co.—74, Laxmi Building, Sir Phirozshah Mehta Road, Fort.

P. RATILAL & CO.—43, Dhanji Street, Bombay 3.

Phiroze & Co.—All Chambers, 4/A, Dean Lane, Fort.

PICKERS LIMITED.—Manufacturers of Quality Pickers of all sizes and descriptions, 43, Tamarind Lane, 4th Floor, Fort, Bombay. Head Office: Ellis Bridge, Ahmedabad 6. Grams: "COWSIE." Bombay & Ahmedabad. Bombay Office Phone No. 25893.

Pioneer Hardware & Engineering Corporation.—Sangli Bank Building, 296, Basargate Street, Fort, Bombay. Phone: 34394.

Pioneer Magnesia Works, Ltd., The.—Chartered Bank Building, Mahatma Gandhi Road, Fort.

Premier Machinery Stores Co.—86, Nagdevi Street.

Printer, D. P., & Co.—1, Bruce Street, Fort.

Punekar, N. B., & Co.—Union Bank Building, Apollo Street, Fort.

P. & Hart Brothers.—68, Podar Chambers, Parsi Bazar Street, Fort.

Purshotamdas, A. H.—36, Lentin Chambers, Dalal Street, Fort.

Radiant Mill Stores Co.—106, Meadows Street, Fort.

Rajasthan Trading Co.—Podar Chambers, Parsi Bazar Street, Fort.

P. RATILAL & CO.

MOTI MAHAL - 43, DHANJI STREET,
BOMBAY 3.

IMPORTERS AND DEALERS OF:

BALL-BEARINGS & SHAFTINGS; ASBESTOS & RUBBER GOODS; BELTINGS; V. BELTS; CRUCIBLES; ABRASIVES; TOOLS; BOLTS; NUTS; SCREWS; PIPE-FITTINGS; FLOUR-GRINDING MILLS; RICE HULLERS; CENTRIFUGAL PUMPS; OIL ENGINES, Etc., Etc.

TELEGRAMS: "ETERNAL"

'PHONE: 32700

R. C. Traders—Lentin Chambers, Dalal Street, Fort, Bombay
Reliance Stores & Trading Co.—Raja Bahadur Building, 43, Tamarind Lane, Fort.

Reliance Trading Co.—25/47, Lohar Street, Bombay 2.

Repute Engineering Co.—185, Narayan Dhuru Street, Bombay 3.

Roberts, McLean & Co., Ltd.—Ilaco House, Sir Phirozshah Mehta Road, Fort.

ROYAL HARDWARE MART.—106, Nagdevi Street, Bombay 3. Phone: 24121. Grams: "MANILARPE." Importers of Steel Flexible Wire Ropes.

Royal Tube Corporation.—94, Nagdevi Street, Bombay 3.

Ruby Trading Co.—Sambava Chambers, Sir Phirozshah Mehta Road, Fort.

Rula Textiles.—17-19, Dalal Street, Fort.

Rustomji Nowroji Bapasola (Estd. 1909).—62, Forbes Street, Fort.

Sarda Mill Stores.—Aga Khan Building, Dalal Street, Fort.

Sardesai & Co.—Beaumont Chambers, Meadows Street, Fort.

Scientific & Industrial Supplies Corporation.—Princess Street, Bombay 2.

S. DALAL & CO.—1/5, Thadomal House, Banarjee Street, Fort, Bombay.

Seabee Export & Import Co.—9, Waudby Road, Fort. Phone: 34673.

Sethna, Katrak & Co.—Tamarind House, 80, Tamarind Lane, Fort.

Sethy, M., & Co.—29, Ismail Building, 351, Hornby Road, Fort.

Sethna, R. Pheeroo & Co.—79, Meadows Street, Fort.

Shaco Iron & Brass Foundry.—Cooper's Compound, 6th Kumbharwada Lane, Bombay 4.

Shah Bros. & Co.—Raja Bahadur Compound, Hamam Street, Fort.

Suppliers of Bobbins, Shuttles and Sundries. Phone: 24605. Grams: "Millvepri."

Shah & Brothers.—234, Nagdevi Street, Bombay 3.

Shah Machine Tools Co.—75, Abdul Rehman Street, Bombay 3.

Shah Patel & Co.—109-111, Nagdevi Street, Bombay 3. Phone 20709.

Shah Trading Corporation.—Oomrigar Building, opp. Crawford

Market, P. B. No. 2299, Bombay 2.

Shamsun & Co.—11, Bruce Street, Fort.

Shantilal Sheth & Co.—Bansilal Mansion, Bruce Street, Fort.

Sheth, S. C., & Co., Ltd.—Raja Bahadur Mansion, 14, Hamam Street, Fort.

Shoorji Vallabhdass & Co.—Bombay Mutual Building, 293, Hornby Road, Fort.

Shree Krishna Trading Co., Ltd.—11, All Chambers, Tamarind Street, Fort.

Shree Vijay Trading Corporation.—71/73, Apollo Street, Fort.

Shri Shakti Trading Co.—22, Apollo Street, Fort.

Shroff Bros. & Co.—Bank Street, Fort.

Siraj, A. H., & Co.—145, Janjlikar Street, Bombay 3.

Sivramkrishnan, M.—Hazi Manzil, 82-86, Abdul Rehman Street, Bombay 3.

Sizing Materials Co., Ltd.—Jeroo Building, Mahatma Gandhi Road, Fort.

SMALL TOOLS & HARDWARE SUPPLY AGENCY.—129, Sarang Street, Bombay 3. Phone No. 31177. Grams: "SMALLTOOLS."

S. Nagam & Co.—418, Kalbadevi Road.

Spring Company.—Office: Next to Ismailia Co-operative Bank Ltd., Sandhurst Road East, Bombay 9.

STANDARD MATERIALS AGENCIES.—Podar Chambers, 2nd Floor, Parsi Bazar Street, Fort. Phone: 34238. Grams: "STANISIZE."

Standard Mill Stores Co.—41, Bruce Street, Fort.

Standard Trading Agency.—Sekaaria Chambers, 139, Meadows Street, Fort.

Standard Trading Co.—Vithal Sayana Building No. 2, 43-75, Lohar Street, Bombay 2.

STAR TRADING CO., LTD.—Sir Vithaldas Chambers, 16, Apollo Street, Fort. Phone: 24380. Grams: "STARTRADE." Importers of Textile Machinery.

Sunderlal & Sons.—Narayan Dhuru Cross Lane, Pranjiwan Building, Bombay 3.

SVIZ BROS.—Bobbin Rings Manufacturers and General Merchants. P.O. Box 4089. 34/7, Tukaram Javji Road, Grant Road, Bombay 7. Phone: 27807.

Talib & Co.—Talib House, 104, Nagdevi Street, Bombay 3.

Teamsan Traders.—Post Box No. 8162, Nagdevi Street, Bombay 3.

Techno-Industrial Co.—107, Sir Vithaldas Chambers, 16, Apollo Street, Fort, Bombay.

Textile Machinery Corporation, Ltd.—254-A, Annie Besant Road, Worli, Bombay 18.

TEXTILE SUPPLIES SYNDICATE (INDIA), LTD.—Kermani Building, Sir Phirozshah Mehta Road, Fort. Phone: 33984. Grams: "GOODELT."

TEXTILE & TIMBER TRADERS.—Meadows House, Meadows Street, Fort. Phones: 32251 and 30466.

Textile Traders.—11, Bruce Street, Fort.

Todi & Co.—41, Hamam Street, Fort.

Trades Establishments (India) Ltd.—104, Apollo Street, Fort.

Tribhovandas Sons Ltd.—70, Dadysoth Agiary Lane, off Kalbadevi Road, Bombay 2.

Trinity Industrial Stores.—72-74, Nagdevi Street, Bombay 3.

Trinity Textile Traders.—Seksaria Chambers, 189, Meadows Street, Fort.

Trivedi Textiles & Company.—9, Ash Lane, Fort. Mill Gin Stores Suppliers & Machinery Merchants.

T. U. Patel & Sons, Ltd.—Huseini Chambers, 33, Nanabhai Lane, Fort, Bombay 1.

U. D. PATEL & COMPANY.—11, Bank Street, Fort, Bombay. Phone: 24184. Grams: "UDIPATEL," Bombay. Mill Gin Stores and Hardware Dealers. Sole Agents: Donvale Steels Ltd., Sheffield, D.S.L. Twist Drill and Reamers; Yoshida Iron Works, Japan, Gin Machines; Kanto Rubber Belting Co., Ltd., Japan, all types of Belts; Horibe Iron Works, Japan, Nuts and Bolts.

United Import Co., The.—67-69, Mahomedalli Road.

United Mill Stores (India).—61, Nagdevi Street, Bombay 3.

United Potteries & Glassware Mart.—Noble Chambers, Parsi Bazar Street, Fort.

United Tube & Hardware Co.—146, Nagdevi Street.

Universal Supply & Trading Co.—Ismail Building, 381, Hornby Road, Fort.

Universal Tanneries, Ltd.—Dharavi, Bombay 17.

Universal Trading Co.—79, Mohamedi House, Mohamedalli Road, Bombay 3.

Usha Textiles and Machinery Corp.—75, Tamarind Lane, Bombay 1

Vadilal & Co., C.—40, Nagdevi Cross Lane, Bombay 3.

Vadilal, H., & Co.—13, Tamarind Lane, Fort.

Vasantlal Vadilal & Co.—215-17, Samuel Street, Vadgadi.

Vasantlal & Sons.—Botawalla Building, 7-10, Elphinstone Circle, Fort.

VASUDEV MITRA & CO.—Dadysoth House, Cawasji Patel Street, Fort. Phone: 28182. Grams: "ASWINCO." Depot: 108, Ardeshr Dady St., near C.P. Tank, Bombay 4. Dealers in Fine, Heavy and Pharmaceutical Chemicals. Suppliers of Paper and Mill Gin Stores.

Vaziralli, Ltd.—Prospect Chambers, Hornby Road, Fort.

Venus Textile Syndicate.—Sambava Chambers, Sir Phirozshah Mehta Road, Fort.

Vimala.—106, Meadows Street, Fort.

Vinod Mehta & Co.—22-B, Noble Chambers, Parsi Bazar Street, Fort.

Viswabharati Trading Co.—60, Modi Street, Fort.

Vithaldas, G., & Co.—80, Nagdevi Cross Lane.

Volkart Brothers.—19, Graham Road, Ballard Estate.

Waghji Lakhmidas & Co.—206, Samuel Street, Vadgadi.

WALLACE, J. P., & CO.—Shale Building, 28-32, Bank Street, Fort. Phone: 20829.

Wallace, P. B., & Sons, Ltd.—Elphinstone Building, 10, Vir Nariman Street, Fort.

Western Engineering Co.—Western India House, Sir Phirozshah Mehta Road, Fort. P. O. Box 75.

Western Textile Corporation.—Prospect Chambers Annexe, Hornby Road, Fort.

MINE OWNERS

Bharat Pulverising Mills.—Chinchpokli Cross Lane, Byculia, Bombay 27.

Industrial Minerals & Chemicals Co.—125, Narayan Dhuru Street, Bombay 8.

MINERAL MERCHANTS

Amar Minerals Ltd.—Alice Building, Hornby Road, Fort.

AMAR MINERALS LTD.—Alice Building, 339, Dr. Dadabhai Naoroji Road, Fort, Bombay 1. Phone: 27017. Factory: Kalyan (Central Railway). Phone: Kalyan—28. Dealers in all kinds of Minerals.

Asbestos & Engineering Stores.—Western India House, Sir Phirozshah Mehta Road, Fort.

Asiatic Minerals.—116, Narayan Dhuru Street, Bombay 3.

Bharat Mining Syndicate (Formerly Traders Syndicates).—Manu Mansion, 16, Old Custom House Road, Fort, Bombay. Phone: 34878.

Champaklal Morarji & Co.—193, Samuel Street, Bombay 9.

Chimanlal Patel & Co.—124, Hornby Road, Fort.

Coal Mining & State Minerals Ltd.—Alice Bldg., Hornby Road, Fort.

Cross & Sankey (India) Ltd.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.

Dandekar Company.—Mherwan Building, Sir Phirozshah Mehta Road, Fort.

GANPAT HARJIVAN.—112, Nagdevi Street, Bombay 3. Phone: 20238. Grams: "CLAY."

Gujarat Clay Mills.—246, Reay Road, Bombay 10.

Harchandani Sons.—229, Masjid Bunder Road, Bombay 8.

INDIAN CLAY & RAW PRODUCTS SUPPLY CO.—Belvedere Hill Road, Mazagaon, Bombay 10. Phone: 40794. Grams: "CLAY."

Indian Mineral Supply Co.—14, Western India House, Sir Phirozshah Mehta Road, Fort.

Industrial Minerals & Chemical Co.—125, Narayan Dhuru Street, Bombay 3.

JAMNADAS CHATURBHUI & BROS.—92, Vithalwadi, Bombay 2. Phone Nos. 23066 and 22553. Grams: "JUBILEE." Mill Gin Stores Suppliers, Specialists in Graphite, Plumbago and Block lead for all industrial purposes. Prop.: Fremchand C. Bhayani.

Javeri Traders.—Lakhmi Building, 34, Cawasji Street, Fort, Bombay

Mercantile Trading Co.—Gulzare Kasim, Mazagaon, Bombay 10.

MINERAL CORPORATION OF INDIA LTD.—107, Bapu Khote Street, Bombay 3. Phone: 22602. Grams: "ARAMSHIR." Lime and Minerals Merchants.

National Industries of India.—Sambava Chambers, Sir Phirozshah Mehta Road, Fort.

New Bharat Grinding Mills.—Near Animal Hospital, Govt. Gate Road, Parel, Bombay 12.

Premji Haridas & Co.—Bhanushali Chambers, 168, Argyle Road, Bombay 2.

Shamrock Products Ltd.—34, Argyle Road, Carnac Bridge, Bombay.

Singham Bros. & Co (India) Ltd.—P.O. Box 894, Bell Building, Sir Phirozshah Mehta Road, Fort.

Standard Pulverising Co.—Atlas Mill Compound, Reay Road, Bombay 10.

Suchin & Co.—65, Lakshmi Building, Sir Phirozshah Mehta Road, Fort.

Sunder Minerals.—76-2, Jal Tirath Mansion, 6th Floor, Barrack Road, Dhobi Talao, Bombay 1.

Tavaria Bros.—Dhan-Nur, Sir Phirozshah Mehta Road, Fort.

Todi & Co.—41, Hamam Street, Fort.

Traders Syndicate.—Manu Mansion, 16, Old Custom House Road, Fort.

MINERAL WATER SUPPLIERS

(See Aerated Water Manufacturers.)

MOTION PICTURE EQUIPMENT

Craftsman Electronic Corporation Ltd.—Navari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.

INTERNATIONAL PHOTO PRODUCTS.—123, Mahatma Gandhi Road, Fort.

MOTION PICTURE PRODUCERS

AMA LTD.—"Photo Cine Sound." Canada Building, Hornby Road, Fort. Phone: 27225 (2 lines). Grams: "AMA LIMITED."

MOTOR AND CYCLE MANUFACTURERS AND DEALERS

A1 Motors.—Mody Chambers, French Bridge, Bombay 4.
Advance Trading Corporation—Bhangwadi, Kalbadevi Road, Bombay 2.
Asian Motor Car Co.—Ranchandra Mansion, Sandhurst Road.
AUTOCARS LTD.—Distributors for Austin Cars, A.J.S. & Harley-Davidson Motor Cycles, Cycle-Masters, 43, Queen's Road, Bombay 2. Phone: 30811. Grams: "AUTOCARS."
Automobile Co., Ltd.—41, Queen's Road.
Bachoo Motors.—31, Queen's Road, Bombay 4.
BOMBAY CYCLE & MOTOR AGENCY LTD.—534, Sandhurst Bridge, Bombay 7. Agents for Dodge Cars and Trucks and Chrysler Cars.
Bombay Garage Ltd.—Meher Building, Chowpatty, Bombay 7.
Bombay Motors & Radios Ltd.—33, New Queen's Road.
Car Mart Ltd.—Pratt's Building, Hughes Road.
Central Trading Co.—81, Cowasji Patel Street, Fort.
Continental Auto Stores.—Tram Terminus, Opera House.
DADAJEE DHACKJEE & CO.—(Motor Dept.), Sandhurst Bridge, Bombay 7. Importers of Automobiles and Automobile Accessories. Sole Distributors of Packard, Rolls-Royce, Bentley, Humber, Hillman, Sunbeam-Talbot and A.J.S. Motor Cycles and Commer and Karrier Trucks (Pre-War Distributors of Mercedes Benz Cars, Diesel Trucks).
Eastern Import & Export Co., The.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.
Eastern Motor Corporation.—Indira Nivas, Bhatwadi, Girgaum.
East India Trading Co.—Shrinath Bhuvan, 27, Picket Cross Road, Lohar Chawl.
Empire Automobiles.—Junction of New Queen's Road and Lamington Road.
Federal Motors.—Giri Kunj, Hughes Road, Bombay 7.
Ford Motor Co. of India, Ltd.—Swadeshi Mills, Charul Road, Girgaum, Bombay.
Foreign Products Distributing Co.—401, Sandhurst Road, Bombay 4.
French Motor Car Co., Ltd.—9-11, Hughes Road, Bombay.
GARWARE MOTORS, LIMITED.—Chowpatty Chambers, Sandhurst Bridge, Bombay 7. Phone Nos. 32801 and 32802. Grams: "GARWARECAR." Automobile Engineers.
General Motors India Ltd.—General Motors Building, Fosbery Road, Sewree.
Harvan Motor House.—"Kapil Nivas," Sandhurst Road.
HIND CYCLES LIMITED.—250, Worli, Bombay. Phones: 42091-2. Telegrams: "CYCLEHIND." Managing Agents: Messrs. Birla Bros. Ltd.
IDEAL MOTORS.—Bombay Mutual Annex, Cawasji Patel Street, Fort. Grams: "IDEALMOTOR." Importers & Distributors of Cycles, Motor Cycles, Cars and Accessories. Sunbeam, "JAWA," 500 c.c.; "E.C. TWIN," 350 c.c.; "JAWA" TWIN, 250 c.c.; "JAWA" and 125 c.c. "CE".
Imperial Motors.—Parekh House, 14, New Queen's Road.
India Garage, Ltd.—Pannachand Ghastial Building, Chowpatty Sea Face.
Indian Automobile Co., Ltd.—2-4, Apollo Street, Fort.
International Motor Co.—Sandhurst Bridge, Bombay 7.
Leyland Motors, Ltd.—4, Graham Road, Ballard Estate, Bombay 1.
Lincoln Motors.—Marina Mansion, Sandhurst Bridge.
Lucas Indian Service Ltd.—15, New Queen's Road.
Mahindra & Mahindra Ltd.—Gateway Building, Apollo Bunder, Bombay 1.
Metro Motors, The.—Motor House, Hughes Road, Bombay 7.
Motor and General Stores Supplying Co.—Kothare Mansion, opp. G.P.O.
Motor House (Gujarat) Ltd.—Bhandup.
Munim, V. I., & Co.—17/19, Dalal Street, Fort.
Nizel Motors.—7-A, Princess Avenue, Bandra.
Noble Cycle & Motor Co.—Commissariat Building, Hornby Road.
Patel, F. M., & Co.—Ranchandra Mansion, Sandhurst Road, Bombay 4.
Patel, N. D., & Co.—180-82, Princess Street.
Patel, P. B., & Co., Ltd.—Mherwan Building, Sir Phirozshah Mehta Road, Fort.
Randawalla & Co.—13, Hughes Road.
Rapid Cycle & Motor Co., Ltd.—Opp. Edward Theatre, Kalbadevi Road.
Rula Automobiles.—Wadia Building, 17-19, Dalal Street, Fort.
Rula Textiles.—17-19, Dalal Street, Fort.
Shetty Automobiles.—Opera House Tram Terminus.
Society of Motors Manufacturers and Traders, Ltd.—National Insurance Building, 27, Bastion Road, Fort.
Supreme Industries Ltd.—Sewree Cross Road, Vadala.
Triangular Motors Ltd.—15, Queen's Road.
United Motors (India), Ltd.—Hughes Road.
United Overseas Service.—16, New Queen's Road, Bombay 4.
Veena Automobile Service Station, The.—33, Wodehouse Road, Wellington Mews, Fort.
West End Motors.—58, Hughes Road.

MOTOR BODY BUILDERS

Hiralal & Company (Estd. 1927).—Petit Compound, Kennedy Bridge, Bombay 7.
Jayannand Khira and Co., Ltd.—Office & Showroom: Kothare Bldg., Sandhurst Bridge, Bombay 7.
Regal Garage.—Jetha Street, Lamington Road, Bombay 8. Phone No. 40154.
Royal Auto Works.—Tanker Ville Estate, 200, Gowalla Tank Road.
Sam Ruston & Co.—31/33, Mangalore Street, Ballard Estate.
Sewri Engineering Works.—234, Sewri Road, Bombay 15.

MOTOR BODY BUILDING MATERIALS

Asian Trading Corporation.—P.O. Box No. 1505, 20, Mangesh Street, Fort.
Associated Auto Parts Ltd.—445, Lamington Road, Bombay 4.
Chandawalla Traders.—321, Vithalbhui Patel Road, Bombay 4. Phone: 71148.

for

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- * UPHOLSTERY and FURNITURE FITTINGS
- * PLASTIC FIREPROOF LEATHER CLOTH
- * MOTOR HOOD FITTINGS
- * CHAMOIS LEATHER, ETC., ETC.

EAST INDIA TRADING CORPORATION

418, Sandhurst Road, Prarthana Samaj, Bombay 4.

'Phone: 41175

'Grams: "EASTINCORP"

Jivanlal & Co. (Estd. 1937).—464, Sandhurst Road, Laxmi Bhuvan, Bombay 4. Phone: 40723.
McKenzies Ltd.—Sewri.
Mahomedally Noorbhai & Co.—Tayebi Manzil, Ebrahim Rahimtulla Road, Bombay 3.
Mapara Parekh & Co.—Ghodbunder Road, Santa Cruz, Bombay 23. Manufacturers of Truck Bodies, Station Wagons, Ambulance Vans, Refuse Vans and Fire Engine Units.
Mehta, J. V., & Co.—Opera House Tram Terminus, Bombay 4.
MOTOR HOOD DEPOT.—Nair Building, 480, Sandhurst Road, Bombay No. 4. Stockists of Motorhood, Upholstery, Fittings, Chamois Leather and Bus Body materials, etc. Specialists in Chamois Leathers and Station Wagon and Furniture fittings. Phone: 71097. Grams: "MOTORHOOD."
National Hardware & Store Supply Co.—30, Khoka Bazar, Sarang Street, Bombay 3.
Natvarial, K., & Co.—111, Bhendy Bazar, Bombay 3.
N. B. Fadia & Co.—493, Sandhurst Road, Bombay 4.
Sewri Engineering Works.—234, Sewri Road, Bombay 15.
Spence Ltd.—Kennedy Bridge, Bombay 4.
S. S. Prabhu.—Ghamat Terrace, opp. Dadar (West (in Rly.) Station), Bombay 14.
Tajbhoy Allibhoy & Sons.—117, Ebrahim Rahimtulla Road, Bombay No. 3.
United Colour Co.—Opera House Tram Terminus, Bombay 4.
WESTERN INDIA MANUFACTURERS AGENCY LTD., THE.—190, R. K. Building, Khetwadi Main Road, Bombay 4. Direct Importers and Largest Stockists of Art Leather, Oil Cloth, Ebonite Rods, Sheets and Tubes, English as well as Indian Trolley Wheels, Complete English and Indian Mechanical and Industrial Rubber Goods, Hospital Requisites, Motor Bus and Commercial Vehicle Fittings, Common Proof Canvas and Rain Coats. Phone: 71615.
J. V. MEHTA & CO.—Automobile and Radio Specialists, Opera House Tram Terminus, Lamington Road, Bombay 4. Phones: 70225 and 70226. Distributors for English Zenith Carburettors, English Lockheed Brake Parts and Oil, McQuay, Norris Pistons and Parts, Atlas Battery Chargers, Roadmaster Cell testers. Importers of all Automobile Parts and Accessories, Garage tools, etc.

MOTOR TYRES AND ACCESSORIES

Associated Auto Parts Ltd.—415, Lamington Road, Bombay 4.
 Automobile Resort Co.—Corner of Wiltet Road, Ballard Estate.
 Batliboi & Sons.—Standard Vacuum Service Station, Hughes Road.
 Dunlop Rubber Co. (India), Ltd.—“Dunlop House,” Hughes Road.
 East India Trading Co.—Shrinath Bhuvan, 27, Picket Cross Road, Lohar Chawl.
 Empire Automobiles—Junction of New Queen's Road & Lamington Road.
 Firestone Tyre & Rubber Co. of India, Ltd.—Hay Bunder Road, Sewree.
 Goodyear Tyre and Rubber Co. (India), Ltd.—7-9, Mathew Road.
 Greaves Cotton & Co., Ltd.—1, Forbes Street.
 Harvan Motor House.—Kapole Nivas, Sandhurst Road.
 Indian Automobile Co., Ltd.—4, Apollo Street, Fort.
J. V. MEHTA, & CO.—Opera House Tram Terminus, Lamington Road, Bombay 4.
 Leyland Motors, Ltd.—Arya Bhuvan, Graham Road, Ballard Estate.
 Lucas Indian Service, Ltd.—New Queen's Road.
 Mehta Motor Stores.—Banji Nivas, Sandhurst Road, Bombay 4.
 Michelin Tyre (India), Ltd.—6-A, Olgaum Road.
 Modern Auto Stores.—Vallabh Terrace, Sandhurst Road.
 Mody Brothers.—Raval Building, 430, Lamington Road.
 Motor Trade Supply Co.—Parekh Mansions, Sandhurst Road.
 Noorbhai Jivaji.—Tyebi Manzil, Bhendy Bazar, near Tram Junction
 One Stop Service Stations Co.—Swadeshi Mills Compound, New Queen's Road, Bombay.
 Osler, F. & C., Ltd.—Swadeshi Mills Compound, New Queen's Road.
 Overseas Trading Corporation.—Nusser House, New Queen's Road.
 Patel, J. B., & Co.—Contractors Building, 6, Lamington Road.
 Provincial Motor Car Co., Ltd.—Opp. Opera House, New Queen's Road, Bombay 4.
 Rane, Limited.—New Queen's Road.
 Rikhye, N. M., & Co.—Wadia House, Colaba.
 Royal Cycle & Motor Works.—Jariwala Mansion, Hughes Road.
 Supreme Tyre Remoulding Co.—17-19, Dalal Street, Fort.
 Triangular Motors, Ltd.—15, Queen's Road.
 United Motors (India), Ltd.—Arthur Bunder, Colaba.
 Victoria Motor Stores—Dwarkanadas Mansions, Sandhurst Road.

MOULDING MACHINES AND BOXES

PIONEER INDUSTRIES.—21, Forbes Street, Fort. P.O. Box No. 1909. Phone: 31982. Grams: “PIOMETAL.” Agents for:—Hesonerwerke Herring & Sohn, Germany and Federal Foundry Supply Co., U.S.A. Manufacturers of “Sanblo” Core Blowers.
 Thos. W. Ward (India) Ltd.—Marshall Building, Ballard Road, Ballard Estate, Fort.
WESTERN MANUFACTURING CO.—Hassan Chambers, Parsi Bazar Street, P.O. Box No. 1230, Fort. Phone: Office 32284, Workshop 40147. Grams: “WESTERWORK.”

MUSIC AND MUSICAL INSTRUMENT DEALERS

Anandji Kalyanji Var.—Hathi Building, 448, Kalbadevi Road.
 B. Ardeshir & Co.—438, Kalbadevi Road, Bombay 2.
 Bayne & Co.—145, Mahatma Gandhi Road.
 Chait Singh Gurbax Singh & Bros.—202, Sandhurst Road (West), Bombay 4.
 Furtado, B. X., & Sons.—Jer Mahal Estate, Dhobi Talao.
FURTADO, L. M., & CO.—540-544, Kalbadevi Road, Bombay 2. Pianos, Music and Musical Instrument Dealers. Phone: 23686.
 Godin Coy.—Opp. Central Railway Institute, Byculia, Bombay 8.
 Gramo Corporation.—Mehta Building, Meadows Street, Fort.
GRAMOPHONE COMPANY LTD. (Inc. in England).—Bombay Office: Universal Building, Sir Phirozshah Mehta Road, Fort. Phone: 27207 (3 Lines). Grams: “JASBERMENT.”
 Gulam Rasul Allahbux.—1/B, Bachooali House, Nowroji Hill Road No. 1, Bombay 9.
 Haribhaoo Vishwanath Co.—Opp. Dadar (Western Rly.) Station, Dadar, Bombay 14.
 James & Co.—Navsari Building, Hornby Road, Fort.
 Majid & Co.—Karim Building, 56, Mahomedally Road.
 Mehta, J. V., & Co.—Opera House Tram Terminus, Bombay 4.
 Morgan Milton Ltd.—Wavell House, Graham Road, Ballard Estate, Bombay 1.

NATIONAL GRAMOPHONE RECORD MANUFACTURING CO., LTD.—110, Meadows Street, Fort. Manufacturers of Gramophone Records. Also under-take Pressing and Processing Records from Master Disc under Customers' own Labels. Phone: Office: 25181; Factory: 60380. Grams: “TANSEN.”

Rose, S., & Co. Ltd.—Rampart House, Rampart Row, Fort
 Ruby Record Company.—8/10, Tamarind Lane, Fort

MYROBALANS

Capitol Colour & Chemical Co.—77/87, Mirchi Street, Valgadi, Bombay 3.
 Joshi Jivandas Gangaram & Co.—282, Narshi Natha Street, Bombay 9.
 Poonjilal Jejangir, J. M.—Byramji Mauson, Sir Phirozshah Mehta Road, Fort.
 Premji Haridas & Co.—Bhanusali Chambers, 164, Argyle Road, Bombay 9.
 Puroshotam Mathradas & Co. Ltd.—3, Mherwan Building Sir Phirozshah Mehta Road, Fort, Bombay 1. Grams: “FOURSIDEN.”
 Phone: 22299. Manufacturers of “Lion” brand Solid and Powder extracts of Myrobalans and exporters of extracts and Myrobalans.

MYROBALAN EXTRACTS

SREE LAXMI TANNIN EXTRACT FACTORY.—Malancha Road, Kharagpur (B.N. Rly.). Proprietors: Puroshotam Mathradas & Co., Ltd., 3, Mehrwan Bldg., Sir Phirozshah Mehta Road, Bombay 1. Manufacturers of “Lion” Brand Solid and Powder extracts of Myrobalans.

NATURE CURE CLINICS

NATURAL THERAPY CLINIC.—140, Cumballa Hill, Dial: 41721. Electro-Hydrotherapy, Dietetics, Scientific Massage, Osteopathy, Chiropractic, Official Therapy & other Modern Therapeutic Methods given under the Directorship of Dr. JEHANGIR MERWANJI JUSAWALLA, N.D., D.O., D.C. (Eng.); Secretary (India) Health Practitioners' Association (London); Vice-President, Bombay Provincial Naturopathic Association; Member, American Naturopathic Association (U.S.A.).

NEWSPAPERS (OVERISSUED & OLD)

Asian Trading Corporation.—P. O. Box No. 1505, 20, Mangesh Street, Bombay.
 Associated Agencies (Bombay).—47, Podar Chambers, Parsi Bazar Street, Fort.
 Blascheck, H., & Co.—Opp. Hongkong Bank, 44, Cawasji Patel Street, Fort.
EAST ASIATIC COMPANY (INDIA) LTD.—Wavell House, Graham Road, Ballard Estate. Phone: 30995.
 Gulabchand Nathalal & Co.—45, Mirchi Lane, Bombay 3.
 Indian Commercial Co., Ltd.—45-47, Apollo Street, Fort, Bombay
 Jagkumar & Co.—Prospect Chambers Annexe, 317-21, Hornby Road, Fort.
 Kantilal Sanghvi & Co.—Mehrwan Building, Sir Phirozshah Mehta Road, Fort.
 National Hardware & Stores Supply Co.—30, Khoka Bazar, Sarang Street, Bombay 3.

NEWSPAPERS AND PERIODICALS**ENGLISH****DAILY**

“Bharat.”—Akhil Bharat Printers Ltd., 341, Tardeo.
 “Bombay Chronicle.”—Red House, 140, Parsi Bazar Street, Fort.
 “Bombay Sentinel.”—Red House, Elphinstone Circle, Fort.
“EVENING NEWS OF INDIA.”—Times Building, Hornby Road, Fort.
 “Free Press Bulletin.”—21, Dalal Street, Fort.
 “Free Press Journal.”—21, Dalal Street, Fort.
“HINDUSTHAN STANDARD.” (English Daily from Calcutta and Delhi).—Calcutta National Bank Building, 26-A, Sir Phirozshah Mehta Road, Fort. Phone: 31101. Grams: “ANANDEBAZAR.”
 “Indian Express.”—Standard Press, Colaba.
 “Pioneer.”—Lucknow, Bombay, Hasan Chambers, Parsi Bazar Street, Fort, Bombay.
 “Reuter's Commercial, Financial and Shipping Service”—357, Hornby Road, Fort.
 “Reuter's Indian Journal.”—357, Hornby Road, Fort.
“TIMES OF INDIA.”—Times Building, Hornby Road, Fort.

WEEKLY

- "All-India Weekly."—41, Hamam Street, Fort.
 "Bharat Jyoti."—Journal Press, 21, Dalai Street, Fort.
 "Blitz."—Sanj Vartaman Printing Press, Apollo Street, Fort.
 "Bombay Chronicle."—Red House, Elphinstone Circle, Fort.
 "Bombay Market."—Gyan Printing Press, Cavel Cross Road, Bombay 2.
 "Commerce."—Caxton House, Frere Road, Fort.
 "Cross Roads."—Jai Gujarat Printing Press, Gamdevi, Bombay 7.
 "Current."—Sanj Vartaman Press, Apollo Street, Fort.
 "Economic Weekly."—Popular Printing Press, Tardeo.
 "EVES WEEKLY." (The only Women's Pictorial).—Sanj Vartaman Press, Apollo Street, Fort, Bombay. Price Rs. 2 per Copy (pp. 24). Annual Subscription Rs. 6 (Inland), Rs. 9 (Foreign). Half Yearly Rs. 3. Editor: Mrs. M. F. Mehta. General Manager: Mrs. N. A. Rajabally. Advertisement Rates: Casual Rs. 14 per c.i.; over 200" Rs. 12. Phone: 21263. Grams: "EVESWEEKLY."
 "Examiner."—Examiner Press, Meadows Street, Fort.
 "FILMFARE."—Times Building, Hornby Road, Fort.
 "ILLUSTRATED WEEKLY OF INDIA."—Times Building, Hornby Road, Fort.
 "Indian Market."—Jan Mansion, Sir Phirozshah Mehta Road, Fort.
 "Indian Social Reformer."—Kannada Press, 109, Parsi Bazar Street.
 "Investor's Supplement to the Stock Exchange Circular."—42-43, Stock Exchange Building, Apollo Street.
 "Logic."—Rangbhoomi Printing Press, 141, Shivaji Park, Dadar.
 "National Guardian."—227, Frere Road, Fort.
 "New Leader."—Kothari Printing Works, Sir Phirozshah Mehta Road, Fort.
 "Screen."—Standard Printing Press, Colaba.
 "Sporting Times."—143, Esplanade Road, Fort.
 "Sunday Standard."—Standard Printing Press, Colaba.
 "TIMES OF INDIA." (Sunday Edition).—Hornby Road, Fort.

FORTNIGHTLY

- "Final Selection."—47, C.P. Tank, Bombay 4.
 "Mangalorean."—339, Hornby Road, Fort.
 "Problem."—Victoria Printing Works, 322, Denawadi, Bombay 2.
 "Property Market."—Churchgate Street, Fort.
 "Psycho."—Podar Chambers, Fort.
 "Racing Calendar."—Caxton Press, Frere Road.
 "Radical Humanist."—Western Printers and Publishers, 15-23, Hamam Street, Fort.
 "Student."—350, Lamington Road, Bombay 7.

MONTHLY

- "Austral News."—Outram Road, Fort.
 "Bulletin of the National Council of Women in India."—47, Hughes Road, Bombay 7.
 "Communist."—Communist Office, Bombay 4.
 "FILMINDIA" (Established in 1935).—The Most Exciting Magazine in the World. The largest circulated Monthly Magazine in India. Sir Phirozshah Mehta Road, Fort, Bombay, India. Price Rs. 3 per copy. Annual subscription Rs. 33 (Inland); Rs. 46-6-0 or 70 Shillings (Foreign); Managing Editor: Baburao Patel. Editorial Director: Mrs. Sushila Rani Patel. Manager: Miss Sheila Patel. Advertisement rates: Full Page Rs. 600; Half Page Rs. 325; 2nd and 3rd Cover Rs. 750; For 1st and 4th Cover 3 Colours, Centre-Spread 2 Colours and other Special advertisements, Special quotations will be given from month to month. Phone No. 26752.
 "General Letter."—Soman Building, Girgaum.
 "Indian Concrete Journal."—Hornby Road, Fort.
 "Indian Readers Digest."—Prospect Chambers Annexe, 315-321, Hornby Road, Fort.

INDIAN TEXTILE JOURNAL

An ably-conducted Technical and Engineering magazine, representing since 1890, the manufacturing interests of South Asian countries with a circulation which extends to the United Kingdom, Europe, U.S.A. and Far East. The recognised authority on matters pertaining to Textile & Engineering Industries of India & Pakistan (Illustrated). Published by the Indian Textile Journal Ltd., "Surya Mahal", Military Square, Fort, Bombay 1.

- "Indian Textile Journal."—"Surya Mahal", Military Square, Fort, Bombay 1.
 "Indo-Soviet Journal."—19, Sir Phirozshah Mehta Road, Fort.
 "Industry and Finance."—87, Mughlat Cross Lane, Bombay 4.

INVESTORS' GUIDE—SPOT AND FORWARD.—Publishers: Universal Astrological and Statistical Bureau (Estd.: 28-5-1932), 73-75, Esplanade Mansions, Kala Ghoda, Fort, Bombay 1. Departments in Cotton Shares, Silver, Gold and Brokerage. Managing Director: Baba Sahab. Phone: 22757. Grams: "MAKARGURU."

"Jewish Advocate."—63-67, Meadows Street, Fort.

"JOURNAL OF THE FILM INDUSTRY."—Indian Motion Picture Producers' Association. Sandhurst Building, Sandhurst Road, Bombay 4. Annual Subscription Rs. 10, Single Copy Re. 1. Advt. Rates: 1 Full Page Rs. 100, Half Page Rs. 50, Inside & Back cover Rs. 150.

"Journal of the Indian Merchants' Chamber."—505, Arthur Road, Tardeo.

"Labour Gazette."—Labour Office, Secretariat, Fort.

"Monthly News Letter."—Caxton Printing Press, Fort.

"Onlooker."—United India Building, Sir Phirozshah Mehta Road.

"R. C. A. News."—New Era Printing Press, Chowpatty Road, Bombay 7.

"RADIO TIMES OF INDIA."—29, New Queen's Road, Bombay 4. Phone No. 22473. Grams: "ETHERWAVE." Edited by D. D. Lakhanpal, B.A., B.Sc. (Tech.) (Manchester), A.M.C.T., A.M.I.E. (India), A.M.I.E.E. (London), A.M., B.R.I.T., I.R.E. Published monthly on the 1st of every month.

"Rural India."—Atre Printing Press, 362, Vithalbhai Patel Road, Bombay 4.

"Sound Magazine" (Estd. 1942).—Advani Chambers, Sir Phirozshah Mehta Road, Fort.

"Talkie Herald."—Sir Phirozshah Mehta Road, Fort.

"Trade Unions Record."—Bombay Valbhav Press, Servants of India Society, Bombay 4.

QUARTERLY

"OCEANITE."—The Maritime Magazine of India, 204, Hornby Road, Fort.

"Social Service Quarterly."—Servants of India Society's House, Sandhurst Road.

"Textile Digest."—India Printing Works, 9, Bakehouse Lane, Fort

ANNUAL

Importers' Annual of India.—Imperial Chambers, Wilson Road, Ballard Estate.

"TIMES OF INDIA DIRECTORY AND YEAR BOOK"—Times Building, Hornby Road.

"THE TIMES OF INDIA ANNUAL."—Times Building, Hornby Road.

ANGLO-GUJARATI

WEEKLY

"Parsi Avaj"—R. F. Joshi P. Press, Mangalore Street, Fort

ANGLO-MARATHI

WEEKLY

"Subodh Patrika."—Prarthana Samaj, Charni Road, Girgaum.

ANGLO-PORTUGUESE & KONKANI

WEEKLY

"Anglo-Lusitano"—Anglo-Lusitano Press, Bank Street, Fort.

"Ave Maria."—New Sonapur Street.

"Chabuk."—Kumar Printing Press, Vilen Lane, Bombay 4.

"Goa Mail."—322, Girgaum Road, Thakurdwar.

"Goa Times."—84-86, 1st Marine Lines, Dhobi Talao.

"Udentchem Neketr." (Konkani)—Examiner Press, Meadows Street, Fort.

MARATHI

DAILY

"Chhatrapati Shivaji Commercial News."—Ambedkar Art Printing Press, 2, Carpenter Lane, Bombay 4.

"Cole Daily News."—31, Tribhuvan Road.

"Daily News."—Daily Samachar Press, Krishna Building, Falkland Road.

"Final Sadanand."—Power Printing Press, Kandewadi, Bombay 4.

"Jordar Patrika."—Kotuleshwar Printing Press, Fanaswadi, Bombay 2.

"Lokasatta."—Standard Press, Newspaper House, Colaba.

"Lokmanya."—Jannabhoomi Mudranalaya, Meadows Street, Fort.

"Nava-Bharat."—Akhl Bharat Printers Ltd., Tardeo, Bombay 7.

"Navakal."—43, Sheenivadi, Kandewadi, Girgaum.

"Navshakti."—Navshakti Printing Press, 21, Dalai Street, Fort.

WEEKLY

- "Dhanurdhari."—Ramkrishna Printing Press, 15-17, Tribhuvan Road.
 "Janata."—190-C, Jivaji Mansion, Vincent Road, Dadar.
 "Kamgar."—Hind Mata Printing Press, Jerali Wadia Road.
 "Lokasatta."—Standard Press, Newspaper House, Colaba.
 "Mouj."—Khatav Mankanji Wadi, Girgaum.
 "Navakai."—13, Shenviwadi, Bombay 4.
 "Navayug."—Atre Printing Press, Vithalbhai Patel Road, Bombay 4.
 "Sadhana."—Sadhana Printing Press, Bombay 11.
 "Swarajya."—Shanti Nivas, Vithalbhai Patel Road, Bombay 2.
 "Taraka."—Lakshmi Narayan Printing Press, 364, Thakurdwar.
 "Venl."—Movin Mudranalaya, Two Tanks, Bombay 4.
 "Vivek."—Ramkrishna Printing Press, Girgaon, Bombay 4.
 "Vividh Vritta."—Shri Laxmi Narayan Printing Press, Thakurdwar.

FORTNIGHTLY

- "Dalvadnya Prabodhini."—Vinaya Pr., 267, Girgaum Road, Kandewadi.
 "Saksharata Deep."—Opp. G.P.O., Bombay.
 "Shilpi."—Vijay Printing Press, 269, Girgaon Road, Bombay 4.
 "Soviet Mitra."—Famous Printers, 12, Tribhuvan Road, Bombay 4.
 "Vaibhav."—Navying Printing Press, Portuguese Church Street, Bombay 14.

MONTHLY

- "Adarsh Valsya."—Ramkrishna Printing Press, Tribhuvan Road.
 "Bhavsar Prakash."—Sagar Sahitya Press, Tribhuvan Road.
 "Dalvadnya Samachar."—Madan Building, Tara Temple Lane.
 "Girni Samachar."—364, Thakurdwar Road.
 "Kunabi Udaya."—Shripad Printing Press, Kandewadi.
 "Maccabi."—Shri Laxminarayan Press, Bombay 2.
 "Monthly Organ of Maharashtra Chamber of Commerce."—Popular Printing Press, Ballard Estate.
 "Nateshwar."—Yashwant Printing Press, 16, Cow Lane, Bombay 4.
 "Prabhu Taruna."—Girgaum Back Road.
 "Prabu Prabhat."—Zaoba's Cart.
 "Samikshak."—Atre Printing Press, 362, Vithalbhai Patel Road, Bombay 4.
 "Sannidha Samachar."—294, Govindwadi, Kalbadevi.
 "Shuahan."—Morland Road, Bynalla.
 "Valsya Patrika."—Ramkrishna Printing Press, Tribhuvan Road.
 "Zarapkar."—Tulsi Pipe Road, Dadar.

GUJARATI

DAILY

- "Bombay Samachar."—Red House, Elphinstone Circle.
 "Cole Daily News."—31, Tribhuvan Road.
 "Cutch Mitra."—(Thrice a Week), Mitra Printery, 73, Gokhale Road North, Dadar, Bombay 14.
 "Daily News."—Krisina Building, Golpitha.
 "Hindustan."—Akhil Bharat Printers Ltd., Press, Tardeo, Bombay 7.
 "Jam-e-Jamshed."—(Anglo-Gujarati), Jam-e-Jamshed Press, Ballard Estate.
 "Jannabhum."—136-42, Medows Street, Fort.
 "Mumbai Daily News."—Amar Printing Press, 36, Islampura.
 "Vandemataram."—Vandemataram Mudranalaya, Nasik Chambers, Frere Road, Fort.

WEEKLY

- "Bombay Samachar."—Red House, Parsi Bazar Street.
 "Chhaya."—Central Fine Art & Litho Works, 293A, Bellasis Road, Bombay 8.
 "Chitrapat."—Chitrapat Printing Press, West End Gate, Lamington Road.
 "Cinema Fan."—Kunwar Art Printing Press, Bombay 7.
 "Film Chitra."—Daily Samachar Printery Press, Golpitha.
 "Gujarati."—Gujarati Printing Press, Elphinstone Circle, Fort.
 "Ismaili."—(Anglo-Gujarati), Ismaili Printing Press, 1/4, Dongri Street, Bombay 9.
 "Jam-e-Jamshed."—Jam-e-Jamshed Press, Ballard Pier.
 "Jannabhum and Pravasi."—Pravasi Mudranalaya, Medows Street, Fort.
 "Jay Bharat."—Kishore Printing Press, Tamarind Lane, Fort.
 "Kateru Gep."—French Bridge, Chowpatty.
 "Maha Gujarati."—Kishore Printery, Tamarind Lane, Fort.
 "Moj-Majah."—Khatav Building, Girgaum Road.
 "Raviwar."—209A, Sir Mangaldas Wadi, Lamington Road.
 "Venl."—Venl Printery, 12th Lane, Khetwadi.
 "Yugantar."—Dalal Street, Fort.

FORTNIGHTLY

- "Chintan."—New Gujarat Printery, 104, Bazargate Street, Fort.
 "Mahesh."—Excel Printers, 32-36, Imamwada Road, Bombay 9.
 "Prabudh Jain."—45-47, Dhanji Street, Bombay 3.
 "Rabhar."—(In Devanagari) Rupa Villa, Cumballa Hill.
 "Rajkot."—Moj Majah Printing Press, Khetwadi, Girgaum.
 "Sarvodaya."—R. P. Aryaprakash Printing Press, Kakadwadi, Bombay 4.

MONTHLY

- "Bhagini Samaj Patrika."—Vandemataram Printing Press, Frere Road, Fort.
 "Filmstan."—Filmstan Printery, Moti Building, 2nd Faneaswadi.
 "Gujarati Hindu Sri Mandal Bombay Patrika."—Amroll House, Vithalbhai Patel Road.
 "Gumasta Sandesh."—Shri Dutta Vijay Printing Press, Cathedral Street, Bombay 2.
 "Memon Mitra."—99, Jakeria Musjid Street.
 "Shri Gogras."—149, Shroff Bazar.
 "Shri Jeevdaya."—Humanitarian League Office, 149, Shroff Bazar.
 "Tarun Palanpur."—451, Kalbadevi Road, Bombay 2.

GUJARATI AND HINDI

- "Jain Prakash."—(Weekly), Suryakant Printing Press, 451, Kalbadevi Road.

HINDI AND ANGLO-HINDI

- "Bulletin of The National Council of the Women in India."—(Monthly), 47, Hughes Road, Bombay 7.
 "DHARMAYUG."—(Weekly), Times of India Press, Hornby Road, Fort.
 "Jagriti."—(Fortnightly), Orient Printing House, Naviwadi, Bombay 2.
 "Lokmanya."—4, Lokmanya Printing Press, Girgaon, Bombay 4.
 "Nava Bharat."—Maharathi Press, Kuria Road, Andheri.
 "NAVABHARAT TIMES."—(Daily), Times of India Press, Hornby Road, Fort.
 "Rahbar."—(Fortnightly), Ajmal Press, opp. J. J. Hospital.
 "Sanavarg."—(Weekly), Prabhat Printing Press, Malad.
 "Shri Venkateshwar Samachar."—(Weekly), 7th Khambatta Lane, Khetwadi.
 "Swatantra Bharat."—(Daily), Lucknow. Bombay Address: Hasan Chambers, Parsi Bazar Street, Fort.
 "Vishwamitra."—(Daily), Asha Printery, Noble Chambers, Parsi Bazar Street, Fort.

URDU, PERSIAN AND ARABIC

DAILY

- "Aftab."—Ansari Fine Art Litho Press, opp. Arab Mosque, Bombay 8.
 "Ajmal."—Princess Building, J. J. Hospital, Bhendi Bazar.
 "Hilal-e-Nau."—Hilal Press, New Chunch Bunder Road.
 "Hindustan."—Sultan Fine Art Litho Press, Bombay 3.
 "Inqilab-e-Jadid."—Mohr Nigar Press, Temkar Street, off Dilminkar Road.
 "Iqbal."—Bombay Press, Shustri Building, Bellasis Road.
 "Ittehad."—(Urdu), Sultan Fine Art Litho Press, Bhendi Bazar, Bombay 3.
 "Roznama-E-Khilafat."—Khilafat Printing Press, Love Lane, Mazgaon.

WEEKLY

- "Musavvir."—Khilafat Press, Love Lane, Mazgaon.
 "Rahbar."—(Fortnightly), Cumballa Hill.

MONTHLY

- "Tamsel."—(Anglo-Urdu), 20, Jivaji Mansion, Vincent Road, Dadar.
 "Tanwir."—Ajmal Printing Press, opp. J. J. Hospital.

KANNADA

WEEKLY

- "Khalsa."—(Gurumukhi, Weekly), 302, Kalbadevi, Bombay 2.

SINDHI

- "Hindustan."—(Daily), Rathstar Printing Press, Medows Street, Fort.
 "Sansar Samachar."—(Daily), Sansar Samachar Printing Press, 208, Vincent Road, Dadar.
 "Shyam."—(Weekly), Bapuji Elec. Printing Press, 134/1, Mody Street.

BENGALI

DAILY

- "ANANDA BAZAR PATRIKA."—(Bengali Daily from Calcutta), 1, Burman Street, Calcutta; Calcutta National Bank Building, 26-A, Sir Phirozshah Mehta Road, Fort. Phone: 31101. Gram: "ANANDBAZAR."

NON-FERROUS METALS

Adamji Lookmanji & Co.—Rahimtoola House, Homji Street, Fort. Associated Agencies (Bombay).—47, Podar Chambers, Parsi Bazar Street.

AUTO AGENCY.—Congress House, Vithalbhai Patel Road, Bombay 4. Phone: 71481. Grams: "RIVET." Direct Importers of Non-Ferrous Metals.

Balmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate, Fort.

BATLIBOI & CO.—Engineers & Machinery Importers. Head Office: Forbes Street, Fort, Bombay 1. Phone Nos. 30007-8-9 (Three Lines). Tel. Address: "BATLIBOICO." Branches: Batliboi House, Nagdevi Cross Lane, Bombay 3; 3-153, Broadway, Madras; P-34, Mission Row Extension, Calcutta; 55-5, Japan Buildings, New Chowli, Delhi; 12-5D, Variety Hall Road, Colimbature; Reid Road, Ahmedabad; 26-59, Birhana Road, Kanpur.

Begraj Gupta & Co.—207, Kalbadevi Road, Bombay 2.

Bhimjee & Co.—Devkaran Building, 17, Eiphinstone Circle, Fort. Bombay Company Ltd.—9, Wallace Street, Fort.

BOMBAY METAL INDUSTRIES.—Non-Ferrous Metal Rollers and Refiners and Manufacturers of Various Alloys. Office: Aga Khan Bldg., Dalal Street, Bombay. Factory: Near Currey Road Bridge, Chandivali Chawl, Parel, Bombay 13.

Bombay Wire & Metal Products.—272-2, Masjid Bunder Road, Opp. Imperial Bank, Bombay 3.

C. AMICHAND & CO.—46A, Abdul Rehman Street, Bombay 3. Dealers in Hardware & Non-Ferrous Metals.

Chaganlal (India) Imports.—42, Argyle Road, Bombay 9.

Phone: 73645

Grams: "METALMART"

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"ON GOVERNMENT & RAILWAY LIST"

Consumers Services Ltd. Podar Chambers, 109, Parsi Bazar Street, Fort.

Craftsman Electronic Corporation, Ltd.—Navsari Building, 240, Hornby Road, Fort. Importers and Suppliers of Instruments for

Deepak Industrial & Engineering Corporation.—16, Bank Street, Fort.

Doshi Bros. (Bombay).—204, Hornby Road.

EAST ASIATIC COMPANY (INDIA) LTD.—Wavell House, Graham Road, Ballard Estate. Phone: 30995.

Great Western Engineering Works.—"Sea View," 1st Pasta Lane, Colaba, Bombay 6.

HINDUSTAN PRODUCTS CORPORATION.—16, Brahmapada Road, Matunga, Bombay 19. Phone: 62071. Grams: "PRECIMET." Importers of Non-Ferrous Virgin Metals, Scraps, and Semi-finished metals. Exporters of Non-Ferrous metal Residues, Ores, and Concentrates.

Imperial Chemical Industries (India) Ltd.—Imperial Chemical House, Douglall Road, Ballard Estate.

INDIA METAL AGENCIES.—30, Manordas Street, Bazar-gate, Fort. Phone: 30588. Grams: "ARUNODAY." Sole Agents in India for Thomas Bolton & Sons Ltd. (England). Manufacturers of Copper & Copper Base Alloys in the form of Rods, Wire, Sheets, Strip section, etc.

Indian Standard Metal Co., Ltd.—Chinchpokli Cross Lane, Bombay 27.

Jacka, William & Co., Ltd.—Hamilton House, Graham Road, Ballard Estate, Fort.

Jayant Metal Manufacturing Co.—152, Lohar Street, Bombay 2.

Kamleshankar P. Joshi.—72-80, Nagdevi Cross Lane.

Kamani Engineering Corp., Ltd.—Kamani Chambers, Nicol Road, Ballard Estate, Fort.

Kamani Metals & Alloys Ltd.—Kamani Chambers, Nicol Road, Ballard Estate.

Kooverji Devshi & Co.—164, Lohar Street.

Marwah Bros. (India) Ltd.—56-57, Nagdevi Cross Lane, Bombay 3.

METAL DISTRIBUTORS LTD.—12-18, Vithalbhai Patel Road, Bombay 4. Importers and Exporters of Metals. Phones: 73315 and 73390. Grams: "DRATUBANA." Head Office: 38, Strand Road, Calcutta.

METALLICA WORKS.—World Road No. 11, Next to World Post Office, Bombay 18. Phone: 73632. Manufacturers of Type Metals, Non-Ferrous Metals, Gun Metals, Phosphor Bronze, Lead Bronze, Brass Ingots, Antifriction Bearing Metals and Solders. Specializing in Reconditioning of workshop scrap.

Moutana Ltd.—Rahimtoola House, Homji Street, Fort.

Muni & Company.—General Assurance Bldg., 232, Hornby Road, Fort, Bombay.

National Hardware & Stores Supply Co.—Post Box 3146, Bombay 3. Non-Ferrous Metal Refinery. 24, Sitafalwadi, New Anjirwadi, Mount Road, Mazagaon, Bombay 10. Phone: 24958.

Sepulchro Brothers (India) Ltd.—Taj Building, 210, Hornby Road. Sivramkrishnan, M.—Haji Manzil, 82-86, Abdul Rehman Street, Bombay 3.

Standard Metal Works.—17, Falkland Road, Tardeo.

Techno Industrial Co.—107, Sir Vithaldas Chambers, 16, Apollo Street, Fort.

Todl & Co.—Importers & Exporters, 41, Hamam Street, Fort. United Mill Stores (India).—61, Nagdevi Street, Bombay 3.

NON-FERROUS METAL WARE MANUFACTURERS

LALUBHAI AMINCHAND LTD.—Proprietors, "Dun Aluminium Factory," 225-227, Tardeo Road, Bombay 7. Manufacturers of all Non-Ferrous Metal Wares and Articles. Phone Nos.: 41610 and 73220. Grams: "CYCLEBRAND."

Standard Metal Works Ltd.—17, Falkland Road, Low Level, Bombay 7.

NOVELTIES

Associated Plastics.—Hashim Building, 10, Churchgate Street, Fort.

Aurora Toys and Novelties. "Parimal", Keluskar Road South,

Shivaji Park, Dadar, Bombay 28.

Calcutta Sola Hat Agency.—Dwarkanadas Building, Mangaldas Road, Bombay 2.

EBRAHIM ALLIBHOY & SONS.—260-64, Abdul Rehman Street, Bombay 3. Phone: 33463. Importers and Exporters of Cutlery, Rubber and Plastic Toys, Imitation Jewellery, Presentation articles and novelties.

Excel Process Works.—Manufacturers of Advertising Gift Items, Excel House, Ghodibunder Road, Irla, Vile-Parle, Bombay 24.

Grand Bazar.—25, Colaba Causeway, Bombay 1.

Mazumdar & Co.—Opp. Krishna Cinema, Tribhuvan Road, Bombay 4.

Metal Industries.—163, Narayan Dhuru Street, Bombay 3.

Popular Sola Hat Works.—Baria Building, opp. Crawford Market.

Salomahomed Padamsee & Co.—111, Chakla Street, P.O. Box 3131, Bombay 3.

Stewarts Laboratories.—327, Hornby Road, Fort, Bombay 1.

NUTS & BOLTS (See Bolts & Nuts)

OFFICE EQUIPMENT

Ashok Industries.—182, Bohra Bazar Street, Fort.

BHARAT ELECTRIC AND ENGINEERING CORPORATION.—Free Press Building, Ground Floor, 21, Dalal Street, Fort, Bombay. Phone: 21374. Grams: "GODGRACE."

BLACKWOODS INDIA LTD.—Kasturi Building, Jamshedji Tata Road, Churchgate, Bombay 1. Post Box 1912. Phone: 36666. Grams: "BLACKWOODS."

"EKDAM"—Factory for Time-Saving Office Equipment, National House, 6, Tulloch Road, Apollo Bunder, Bombay 1. Phone: 35958.

Evergreen Syndicate.—19, Hamam Street, Fort.

Express Corporation.—Co-operative Insurance Building, Sir Phirozshah Mehta Road, Fort.

FILING EQUIPMENT CO.—Manufacturers of all kinds of Office Files, P.O. Box 4032, Bombay 7.

Gandlani & Co.—170, Abdul Rehman Street, Bombay 3.

General Equipment Merchants, Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort.
 Gestetner Duplicators Ltd.—Construction House, Ballard Estate, Bombay. Phone : 21041.
 Halderson & Bros.—154, Bora Bazar Street, Fort.
 Indian Industrial Development Trust Ltd.—Dhan-Nur, Sir Phirozshah Mehta Road, Fort.

JAMES MANUFACTURING CO.—407, Kalbadevi Road, Bombay 2. Phone : 22874.

Kalamazoo Ltd.—Elphinstone Building, Churchgate Street, Fort.
 Kale's Sales Association Limited.—Mherwan Building, Sir Phirozshah Mehta Road, Fort.

KILBURN & CO., LTD.—Asian Building, Ballard Estate, Bombay. Phone : 31908. Grams : "TASCONIUM."

KORES (INDIA) LIMITED.—Plot No. 10, off Haines Road, Worli, Bombay 18.

KOTAK BROTHERS.—Post Box No. 1838, 59, Forbes Street, Fort; Bombay 1. Distributors for : "PANTHER" Rotary Duplicators, "ELLAMS" Bantam Duplicators, "NIPPO" Cheque-Writers ; Authorised Dealers for : "REMINGTON" Typewriters, "KORES" Stationery ; Representing : The Office Equipment and Stationers Annual of India.

Kulkarni Bros.—288-94, Sheikh Memon Street, Bombay 2.
 Kwick Stationery Mart.—206, Abdul Rehman Street, Bombay 3.

MODEL STATIONERY MART.—Up-to-date Office Aids Suppliers ; 44, Cawasji Patel Street, Fort, Bombay. Phone : 21250.

National Steel Equipment Co.—Nalgaum Road, (Near Spring Mills), Dadar, Bombay 14.

PRINCE, H.I. & SON.—9, Lilly Court, Churchgate Reclamation, Bombay.

P. Vrajlal & Co.—240, Abdul Rehman Street, Bombay 3.

REMINGTON RAND OF INDIA LIMITED.—Manufacturers of Remington Typewriters, Adding, Listing, Accounting and Book-Keeping Machines and Calculators, Kardex and Steel Office Furniture of all kinds. Address : Thackersey House, Graham Road, Ballard Estate, Bombay Phone. 27096 (2 lines). Grams : "REMINGTONS."

Salfee Book Manufacturing Depot.—72, Abdul Rehman Street, Bombay 3.

Speciality Traders Ltd.—Imperial Chambers, Wilson Road, Ballard Estate.

Triton Trading Co., Ltd.—Menkwa Building, 10, Outram Road, Fort.

WEIL COMPANY.—Chateau Marine, 41-B, Marine Drive, Bombay 1. Phone : 34593. Cables : "WEILETCO."

OFFSET PRINTERS

NEW JACK PRINTING WORKS, LTD.—Seksaria Mills Compound, Globe Mills passage, off Delisle Road, Bombay 13. Phone : 60042-43. Grams : "NEWJACKPRES."

POPULAR FINE ART LITHO WORKS.—Suryodai Mill Compound, Tardeo, Bombay 7. Phone : 42471. Grams : "GOOLNAR."

Vinay Calendar Co.—Ardeshir Dadi Street, Bombay 4.

OIL AND LEATHER CLOTH MANUFACTURERS

Ahmed Abdul Karim Bros. Ltd.—Karim Building, Mohamedally Road, Bombay 3.

East India Trading Corporation.—418, Sandhurst Road, Bombay.

East India Trading Co.—27, Picket Cross Road, Lohar Chawl.

Eastern India Manufacturers Agency Ltd.—190, B. K. Building, Khetwadi Main Road, Bombay 4.

Menty, S. M. & Co.—13, Horniman Circle, Fort, Bombay 1.

Western India Manufacturers' Agency Ltd.—K. K. Building, Khetwadi Main Road, Bombay 4.

OIL BURNERS

PIONEER INDUSTRIES.—21, Forbes Street, P.O. Box No. 1909, Fort. Phone : 31982. Grams : "PIOMETAL."

OIL COMPANIES

Narottamdas Karsandas & Co.—International Oil-Products Importers, Merchants, Distributors and General Indenting Agents ; Whiteaway Laidlaw Building, 278, Hornby Road, Fort, Bombay. Phone : 21215. Grams : "NAROTTAMCO."

OIL ENGINES IMPORTERS & DEALERS

Associated Machine & Tool Co.—130, Meadows Street, Fort.
 Atlas Engineering Co.—Crescent Chambers, Tamarind Lane, Fort.

Atul Engineering Co.—49, Apollo Street, Fort, Bombay.

BEHARAT INDUSTRIAL CO.—77-79, Nagdevi Cross Lane, Bombay 8. Phone : 24455. Grams : "TRUSERVICE." Dealers in Oil Engines, Mill Gin Stores, Hardware, Iron and Machinery.

Brady, W. H., & Co., Ltd.—Churchgate Street, Fort.

Bhahan Sahai Om Prakash.—31, Forbes Street, Kirt Building, Fort.

Chhaya Trading Co.—Opp. Share Bazar Building, Hamam Street, Fort.

Dharvi Trading Co.—78, Apollo Street, Fort.

DINSHAW, M. H., & CO.—105, Apollo Street, Fort, P. O. Box 448, Bombay. Grams : "AHOORAT." Phone : 24053. Managing Director : H. Dinshaw Dungeo, M.I.S.E., M.M.E.A. (Ind.), A.M.S.E. (Lond.), Managing Partner : Dinshaw H. Dungeo, A.M.I.E.T. (London). Residence, Victory Villa, Turner Road, Bandra.

Eastern Electric and Refrigeration Co.—14, Hamam Street, Fort, Bombay.

EXCELLENT ENGINEERING CO.—11, Botawala Building, Elphinstone Circle, Fort. Phone : 28601. Grams : "HARIKRIPPA." Importers, Exporters, Commission Agents and Manufacturers' Representatives.

General Commercial and Industrial Co.—Vishram Bhuvan, 1st Floor, 41, Kolbhat Street, Bombay 2.

Gujarat Industrial Corporation—22, All Chambers, Tamarind Lane, Fort, Bombay 1.

HASSAMBHOY JETHA.—Opp. Byculla Goods Depots, Parel Road, Bombay 27. Phones : 73591 & 73592. Grams : "IRONCASK."

HIRALAL V. SHAH & CO.—Mehta Building, Meadows Street, Fort, Bombay. Phone : 32803. Grams : "ASIACOMCO."

India Engineering Works. Opp. Share Bazar Building, Hamam Street, Fort.

Indian Industrial Development Trust Ltd.—Dhan-Nur, Sir Phirozshah Mehta Road, Fort.

Jacks, William & Co.—Hamilton House, Graham Road, Ballard Estate, Fort.

Jayema Engineering Co.—Warden House, Sir Phirozshah Mehta Road, Fort.

Jhala, R. T. & Co.—9, Forbes Street, Fort, Bombay

Khimandas Jagumal & Sons (Estd. 1910), Sind.—12, Hornby View Building, Gunbow Street, Fort.

Kumar Trading Corporation.—29-31, Ropewalk Lane, off Forbes Street, Fort.

Larsen & Toubro Ltd.—J. K. Building, Dougall Road, Ballard Estate, Fort.

Machine Tools & Implements.—Advani Chamber, Sir Phirozshah Mehta Road, Fort.

Malcolm & Co.—263, Hornby Road, Fort.

Mata Lachhmi Company.—Husseni Chambers, Nanabhai Lane, Fort.

Mayalax Combine.—86, Dondat Street, Bombay 9.

Moush & Co., Ltd.—Lotus House, Marine Lines, Bombay.

Nagree Limited.—Nagree Building, 60, Custom House Road, Fort.

National Traders.—Advani Chambers, 1st Floor, Sir Phirozshah Mehta Road, Fort.

Optimum Corporation.—Aga Khan Building, 2nd Floor, Dalal Street, Fort.

Parekh Bros., Ltd.—65, Mahatma Gandhi Road, Fort.

Parkeen Brothers.—109, Esplanade Mansion, Mahatma Gandhi Road, Fort.

Parry & Co., Ltd.—Warden House, Sir P. Mehta Road, Fort.

Power Machines Corporation.—81, Forbes Street, Fort.

P. Rai & Co.—105, Apollo Street, Fort.

Radiant Engineering Co.—79, Meadows Street, Bombay 1.

Rustomji Nowroji Bapasola, Estd. 1909.—62, Forbes Street, Fort.

Shah Machine Tools Co.—75, Abdul Rehman Street, Bombay 3.

Sigil (India) Services Ltd.—Isam Building, 2nd Floor, 380, Hornby Road, P.O. Box No. 952, Fort.

Sivramkrishnan, M.—Haji Manzil, 82-86, Abdul Rehman Street, Bombay 3.

Small-Diesels Ltd.—36, Western India House, Sir Phirozshah Mehta Road, Fort.

S. Nagam & Co.—418, Kalbadevi Road.

TALWALKER, W. R.—Lentin Chambers, Dalal Street, Fort, Bombay. Phone No. 30367. Grams : "PUMPENAMEL."

Todl & Co.—41, Hamam Street, Fort.

Usha Textiles and Machinery Corpn.—75, Tamarind Lane, Bombay 1.

Venus Trading Syndicate.—17, Gunbow Street, Fort.

Western Manufacturing Co.—Hassan Chambers, Parsi Bazar Street, P. O. Box No. 1230, Fort.

OIL EXPORTERS

Milkhiram (India) Ltd.—Waterloo Mansion, Warehouse Road, Fort.
 Todl & Co.—Importers & Exporters, 41, Hamam Street, Fort.
 Y. K. Sampat & Co.—382-84, Katha Bazar, Bombay 9.

OIL MILLS, COMPANIES, IMPORTERS & EXPORTERS

AHMED OOMERBOY OIL MILLS.—Ahmed Oomer Street, Two Tanks, Bombay 8. P.O. Box No. 4511. Oil Millers, Exporters and Importers. Manufacturers of Vegetable Products, Refined oils, and all kinds of edible and non-edible Raw oils, oilcakes, etc. Phone Nos. 41977, 40575, 31121.

Andrew Yule & Co., Ltd.—No. 32, Nicol Road, Ballard Estate.
 Anglo-Iranian Oil Co. (India) Ltd.—3, Witter Road, Ballard Estate.
 Asian Textile Engineering Corporation.—Keimani Building, Sir Phirozshah Mehta Road, Fort.

Balmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate.
 Bharat Oil Mills.—Dahanukar Building, Kalbadevi, Bombay 2.
 Blundell Spence & Co., Ltd.—See Elephant Oil Mills Ltd.
 Bombay Oil Supplying Co., The.—No. 12, Mirza Ali Street, Blendy Bazar.

Burmah-Shell Oil Storage and Distributing Co. of India Ltd.—Burmah-Shell House, Currimbhoy Road, Ballard Estate.

CALTEX (INDIA) LIMITED.—Caltex House, Ballard Road, Ballard Estate.

Cooper & Co.—53, Abdul Rehman Street.

ELEPHANT OIL MILLS, LTD.—Rustom Building, Churchgate Street, P.O. Box 663, Bombay. Phone: 26596 (2 Lines). Grams: "BLUNTRIPP."

Freedom-Valvoline Oil Co.—Churchgate House, Churchgate Street, Fort.

Gore, D. G.—31, Mangaldas Road.

GOUREPORE CO., LTD., THE.—Mackinnon's Building, Ballard Estate. Manufacturers of Linseed Oil. Phone: 34729.

GULF OIL (INDIA) LIMITED.—Killick Bldg., Home Street, Bombay 1. Importers of High Grade Lubricants (Formerly Silvertown Lubricants (India) Ltd.).

Harcastle, Wand & Co., Ltd.—Alice Building, Hornby Road, Fort.
 Hindustan Oil Mills.—Nawab Mansion, 22, Gunbow Street, Fort. Grams: "Paultext." Head Office & Works at Ghat Road, Nagpur.
 Indo-Burma Petroleum Co., Ltd.—Allahabad Bank Building, Apollo Street, Fort.

Jamnadas Laljee Oil Mills.—Champsai Bhimji Wadi, Old Anjirwadi, Mazagon.

Lukmanya Oil Mills.—Palghar, Dist. Thana.
 Maritime Lubricants (India).—Post Box No. 1838, 59, Forbes Street, Fort, Bombay 1.

Merit Oil & Trading Co., Ltd.—28, Apollo Street, Fort.
 Meto Lubricants.—Co-operative Insurance Building, Sir Phirozshah Mehta Road, Fort. P.O. Box No. 30, Bombay.

Oomedchand Kashiram & Co.—Mudi Bazar, Bombay 3.
 Petroleum and Minerals Ltd.—Rechintoola House, Homji Street, Fort.

Raja Oil Mills.—88, Masjid Bunder Road.
 Ram Agency.—200, Kazi Syed Street, Bombay 9.

Sonal Rangnow & Co.—41, Hamam Street, Fort, Bombay.
 Standard-Vacuum Oil Co.—P.O. Box 181, Neville House, Ballard Estate.

Steel Bros. & Co., Ltd.—Allahabad Bank Building, Apollo Street.
 Swastik Oil Mills, Ltd.—Wadala.

Tarachand Pursram.—Court House, Carnac Road, Bombay 2.
 Tata Oil Mills, Co., Ltd.—Bombay House, 24, Bruce Street, Fort, Bombay.

Tide Water Oil Co. (India) Ltd.—Nicol Road, Ballard Estate, Bombay.

Valvoline Oil Co.—Churchgate House, Churchgate Street, Fort.
 Wakefield, C. C., & Co., Ltd.—3, Witter Road, Ballard Estate.

WESTERN INDIA OIL DISTRIBUTING CO., LTD.—Alice Building, Hornby Road, Fort. Branch: Madras.

Wharton, H. W., & Co., Ltd.—339, Hornby Road, Fort.
 Zakaria Oil Mill.—17-A, Pais Street, Byculla.

OILS & OILSEEDS

ALL INDIAN HERB SUPPLY CO., LTD.—Gourmukh Bhuvan, Masjid Bridge, P.O. Box 5041, Bombay 9. Phone: 28960. Grams: "LIQUORICE."

Asian Trading Corporation.—P.O. Box 1805, 20, Mangesh Street, Bombay 1.

Harchandani Sons.—229, Masjid Bunder Road, Bombay 3.
 Hind Trading Co.—All Chambers, 78-80, Tamarind Lane, Fort.

Mulraj G. Dungansey & Co., Ltd.—21, Forbes Street, Fort, Bombay 1.
 Prism & Co.—Bell Building, Sir Phirozshah Mehta Road, Fort.

SORABJI NOWROJI & CO.—16, Horniman Circle, Fort.

Todl & Co.—41, Hamam Street, Fort.

Uttamlal, V., & Co.—P.O. Box No. 1531, Bombay.

OIL MILLS MACHINERY & OTHER EQUIPMENT IMPORTERS

Atlas Engineering Co.—Crescent Chambers, Tamarind Lane, Fort.
 Consumers Services Ltd.—Podar Chambers, Parsi Bazar Street, Fort.

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagon, Bombay 10.

General Commercial and Industrial Co.—Vishram Bhuvan, 1st Floor, 41, Kolbhat Street, Bombay 2.

Hindustan Engineering Co. (Machinery Dept.)—25, Ropewalk Street, Rampart Row, Fort.

Jayems Engineering Co.—Warden House, Sir Phirozshah Mehta Road, Fort.

Kilburn & Co. Ltd.—Asian Building, Nicol Road, Ballard Estate, Fort.

Kumar Commercial Co.—Nadrislaw Sukhla Street, Fort.
 Laxmi Engineering Works—40, Khetwadi 10th Lane, Bombay 1.

Rustomji Nowroji Bapasola (Estd. 1909).—62, Forbes Street, Fort.
 Western India Engineering Co.—Signal Hill Avenue, Sewree, Bombay 15.

Western India Manufacturers' Agency, Ltd.—190, R. K. Building, Khetwadi Main Road, Bombay 4.

WESTERN MANUFACTURING CO.—Hassan Chambers, Parsi Bazar Street, P.O. Box No. 1230, Fort. Phone Nos. Office: 32284. Workshop: 40147. Grams: "WESTERWORK."

OLD JEWELLERY BUYERS

CHUNILAL & CO.—17-19, Dhanji Street, Bombay 3. Phone: 21991.

OPTICAL GOODS DEALERS

Prem Motwani—70, Ebrahim Mansion, 366 68, Kalbadevi Road, Bombay 2

OPTICIANS

Art Bangle Ltd. J. K. Bldg., Dongall Road, Ballard Estate, Fort.

Bahwalla & Homi Ltd.—365, Hornby Road, Fort.

Benson, S., & Co.—171, Hornby Road, Fort. Phone No. 31956.

Bharat Optical Company.—Kalbadevi Road, 366/68, Ibrahim Mansion, Bombay 2.

Carey & Franklin Ltd.—Ophthalmic Opticians, 610, Gurgaon Road, Bombay 2.

Darbar Singh & Sons.—166, Hornby Road, Fort.

F. C. Whitten and Co.—227, Hornby Road, Fort, Bombay 1.

Ghaswala, Dr. K. S., L.M.S.—Dr. Ghaswala's Eye Hospital, "Edena," 105, Queen's Road.

Halim Brothers.—302, Abdul Rehman Street.

HELMES-OPTICS.—Qualified German Sight Testing Opticians, 8, Esplanade Mansions, Fuller Road, Fort, Bombay 1.

Homi & Co.—Dhootpapeshwar Prasad, Gurgaon Road, Bombay 4.

Kataria Optical Factory.—104, Clarke Road, Jacob Circle, Bombay 11.

Kothari & Sons.—20, Noble Chambers, Parsi Bazar Street, Fort.

LAWRENCE & MAYO (INDIA) LTD.—274, Hornby Road, Fort.
 Lund & Blockley.—Saaroon Institute Building, 150, Mahatma Gandhi Road, Fort.

Mansukhlal & Co.—366, Kalbadevi Road.

Montex Corporation.—Lukmanji Sutarwala Building, 1st Umarmkhadi Road, Bombay 9.

New Western Optical Co.—Mohamedally Road, Bombay 3. Scientific Opticians. Dealers in latest style Frames and all kinds of Lenses.

Patson Ocularium.—2, Regal Cinema Building, Apollo Pier Road, Fort, Bombay 1.

Patel, Dr. V. K., F.S.C.O., D.O., M.O. (Jena, Germany).—2, Regal Cinema Building, Apollo Pier Road, Fort, Bombay 1.

Paul & Co.—Prospect Chambers, 1st Floor, 319, Hornby Road, Fort.
 Phillips & Co.—Waterloo Mansion, Mayo Road, Fort.

PHIROZE M. DASTOOR & CO.—Next to Eastern Bank Ltd., opp. Flora Fountain, 379, Hornby Road, Fort.

P. S. SHIRODKAR & SONS.—Ranade Road, Dadar.

RAMNIKLAL C. KOTHARI & CO.—16, Apollo Street, Bombay 1. Phone: 25862. Grams: "ASTROGEMS." Celluloid Sheets, Hinges, N.S. Wire and Fittings.

Takandas H. Kataria. Office at: 323-325, Abdul Rehman Street, Bombay 3.

Thadani Optical Co.—People's Building, Sir Phirozshah Mehta Road, Fort.

OXYGEN AND GAS FACTORIES

Bombay Gas Co., Ltd.—Empire House, 214, Hornby Road.
 Chapman & Co., K.—Opp. Marwari Vidyalaya, Sandhurst Road.
 Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10. Suppliers of Controlling equipment, etc.
 Indian Oxygen & Acetylene Co., Ltd.—Byculla Bridge, Byculla.
 Lightfoot Ice & Cold Storage Co.—Hansraj Lane, Byculla Bridge.
 Sirdar Carbolic Gas Co., Ltd.—Connaught Road, Mazagaon.

PACKING

Arvinda Trading Co., Ltd.—105, Apollo Street, Fort.
 Jaydip & Co.—Sambhava Chambers, Sir Phirozshah Mehta Road, Fort, Bombay.
 National Hardware & Stores Supply Co.—O, Khoka Bazar, Sarang Street, Bombay 3.
NEW JACK PRINTING WORKS.—Seksaria Mills Compound, Globe Mills Passage, off DeLisle Road, Bombay 13. Phones: 60042-43. Grams: "NEWJACKPRES."
 Packers (India) Co.—Packing Consultants and Packing Material Suppliers. Manufacturers' Representatives. 31-35, Hanuman Street, Fort. Phone: 21019. Tel. Address: "Packwell."
 Reliance Trading Co.—25-17, Lohar Street, Bombay 2.
RYLAND PAPER BOX MANUFACTURING CO.—(Box Manufacturers and Printers), Lakhani Building, 34, Cawasji Patel Street, Fort, Bombay 1. Factory at: Timberware Compound, near Paradise Talkies, Lady Jamshedji Road, Mahim. Phone No. 62620. Manufacturers of Card Board, Cartons and Fancy Boxes, Labels, Wrappers and Packing Materials.
SHALEBHOY TYEBJEE & SONS.—Shale Building, Bank Street, Fort. Agents for Beldam Packings & Rubber Co., Ltd.

PACKING CASES

Indian Commercial Agency.—Regd. Office: Rahimtoola House, 7, Hornby Street, Fort.
PODAR SAW MILLS.—61, Reay Road, Bombay 10.
 Sizing Materials Co., Ltd.—Jeroo Building, 137, Mahatma Gandhi Road, Fort.

PAINTING CONTRACTORS

Davar N. Co.—Calcutta National Bank Bldg., Sir Phirozshah Mehta Road, Bombay.
 Painters Combine—Hanuman House, Hanuman Street, Fort, Bombay 1. Phone: 21019. Grams: "PAK WELLS." Painting Contractors.
 Specialists: Industrial and Commercial Buildings, Residential Bungalows and Flats.

PAINT MACHINERY

BATLIBOI & CO.—Engineers & Machinery Importers, Head Office: Forbes Street, Fort, Bombay 1. Phone Nos. 30007-8-9 (Three Lines). Tel. Address: "BATLIBOICO." Branches: Batliboi House, Nagdevi Cross Lane, Bombay 3; 3-153, Broadway, Madras; P-34, Mission Row Extension, Calcutta; 55-5, Japan Building, New Chowli, Delhi; 12-5D, Variety Hall Road, Coimbatore; Reid Road, Ahmedabad; 26-59, Birhana Road, Kanpur.
 Craftsman Electronic Corporation Ltd. Navsari Building, 240, Hornby Road, Fort.
DINSHAW, M. H., & CO.—105, Apollo Street, Fort, P.O. Box 448, Bombay. Grams: "ABOORAT." Phone: 24058. Managing Director: H. Dinshaw Dungor, M.I.S.E., M.M.E.A. (Ind.), A.M.S.E. (Lond.), Managing Partner: Dinshaw H. Dungor, A.M.I.E.T. (Lond.), Residence, Victory Villa, Turner Road, Bandra.
 General Commercial and Industrial Co.—Vishram Bhuvan, 1st Floor, 41, Kolihat Street, Bombay 2.
PIONEER INDUSTRIES.—21, Forbes Street, P.O. Box No. 1909, Fort, Bombay 1. Phone: 31982. Grams: "PIOMETAL." Agents for A. M. Erichsen & Sons, SKIMEM, OSLO, Norway.


PAINT MANUFACTURERS

STAR PAINT AND OIL INDUSTRIES.—Crescent Chambers, Tamarind Lane, Fort, Bombay 1. Manufacturers of all kinds of Oil-Paints (Moist-paste and Readymixed), Enamels, Stainers (tube-colours), Oil-bound and Dry Distempers, Varnishes, Refined, Pale and Double Boiled Linseed Oil. Grams: "STARPAINT." Phone: 31493.

PAINTS, ENAMELS AND VARNISHES

Abbasbhoy Akbarally & Co. 95, Gulabwadi, Kika Street.
 Abdeally, B. M., & Co.—127, Sarang Street, Bombay 3.
 Abdeali Mohamedali Rangwala. 148, Nagdevi Street, Bombay 3.
 Adamally Kikabhai Rangwala. 309, Shaik Memon Street, Bombay 3.
 Adamally Sons Ltd.—277, Nagdevi Street, Bombay 3.
 Advance Paints Ltd.—125, Meadows Street, Fort.
 Ahmed Moosa Motiwalla & Sons.—Tank Road, Parel.
 Ahmed Oomer.—Dady House, Churchgate Street, Fort.
 Ahmed Oomerbhoy.—Two Tanks, Grant Road.
 Akbarally Sharifally Zaveri.—25, Ebrahim Rahimtoola Road, Bombay 3.
ALLIED TRADING CO.—Importers and Stockists of all kinds of Enamel, Lacquer, Varnishes, etc. 39, Nagdevi Street, Bombay 3. Phone: 33560. Grams: "LINSEEDOIL."
 Amritlal & Co., Ltd.—Sprott Road, Ballard Estate, Fort.
AMZEL LTD.—Lotus House, Marine Lines, Bombay 1. Distributors: Addisons Paints and Chemicals Ltd., Madras. (Bombay State, Kutch & Saurashtra).
ASIAN OIL & PAINT CO. (INDIA) LTD.—194-A, Gaiwadi, Girgaum, Bombay 4. Manufacturers of Quality Paints, Varnishes, Enamels, Brushes, etc., etc. Phones: 26756 & 60476. Grams: "REDLEAD." Bombay.
 Associated Agencies (Bombay).—47, Podar Chambers, Parsi Bazar Street, Fort.
 Auto Equipment Ltd.—68 C, Bansdal Motilal Building, Opera House Tram Terminus, Bombay 4.
BAKER BROTHERS.—31, C. P. Tank Road, Bombay 4. Phone: 72621. Grams: "BAKERCOLOR." Paints, Enamels, Varnishes, Lacquers, Thinners, Brushes, Spray Paints & Fine Chemicals.
BAKER, M., & CO.—35, Nagdevi Street, Bombay 3. Paints, Varnishes, Enamels, Lacquers, Thinners, Dry Colours, Abrasives, Polishes, Brushes, Sprayers and Respirators.
 Bassin Paint & Varnish Co. Magazine Street, near Reay Road Station, Mazagaon.
 Beardsell, W. A., & Co., Ltd.—15-16, Sir Phirozshah Mehta Road, Fort.
 Bombay Paints Works.—40, Khetwadi 10th Lane, Bombay 4.
 British Paints (India) Ltd. Navsari Chambers, 4th Floor, Outram Road, Bombay 1. Phone: 28068. Grams: "BRITPAINTS."
 B. Uttamsingh Kesar Singh.—108, Narayan Dhuru Street, Bombay 3.
 Central Trading Co.—81, Cawasji Patel Street, Fort.
CHEMIDYE TRADING CO., LTD.—Kamer Bldg., Cawasji Patel Street, Fort, Bombay 1.
 Choksi, H., & Co.—106, Meadows Street, Fort.
 Cooper & Co.—53, Abdul Rehman Street.
 Corbon Dry Colour Works.—115, Nagdevi Street, Bombay 3.
 Cosmos Paints Industries. Allahabad Bank Building, Apollo Street, Fort.
 Dadajee Dhackjee & Co., Ltd. Shree Pant Bhuwan, Sandhurst Bridge.
DAVUR INDUSTRIES.—Manufacturers of World Famous "Davur's Salad Oil," Dehydrated Castor Oil (For Paint Industries). Exporters and Importers. Office: 37, Frere Road, Bombay 9. Factory: Mahul (B.S.D.), Near Chembur. Phone: Office 33458, Factory 60623. Grams: "GEMINI."
 Dimsia, N., & Co.—C/o The Bharat Tiles Ltd., 20, Apollo Street, Fort.
 D. Walker & Sons.—Prospect House, New Blatwadi, Sandhurst Road, Bombay 4.
 Eastern Chemical Co. (India).—J. K. Building, Dongall Road, Ballard Estate.
 Eastern Import & Export Co.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.
 Edgar Handley & Co.—Seksaria Chambers, 139, Meadows Street, Fort.
ELEPHANT OIL MILLS LTD.—Rustom Building, Churchgate Street, Fort, P.O. Box 663, Bombay. Grams: "BLUNTRIPP." Phone No. 26596 (2 Lines).
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Balmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate, Fort.

C. P. Doshi & Co.—Bombay Mutual Building, Hornby Road, Fort.

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort. Suppliers of Instruments for.

Girgaum Paper Mills.—Mills at Girgaum.

PAPER SUNDRIES.

Indian Commercial Agency.—Regd. Office: Rahimtoola House, 7, Homji Street, Fort.

Rowlandson Bros. (Estd. 1927).—Podar Chambers, Parsee Bazar Street, Fort.

WARDEN & CO., LTD.—62, Lamington Road, Byculia, Bombay 8. Phone No. 45944. Grams: "WARDENCO." Manufacturers of Multi-wall Paper Socks for Cement, Fertilisers, Flour, Sugar, etc.

PAPER (WASTE)

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PERFUMERS

Ahmed, D., & Sons—Tehar Mansion, 10-A, Nepean Sea Road, Bombay 26.

Ahuja, C. M., & Co. People's Building, Sir Phirozshah Mehta Road, Fort.

Alpyne Cosmetic Laboratories (India)—Jannabhooni Chambers, Fort Street.

Army & Navy Stores Ltd. Mahatma Gandhi Road.

AROMATIC PRODUCTS & CHEMICALS LTD.—42, Prospect Chambers Annexe, Hornby Road, Fort. Phone: 23151. Grams: "DISCOVERY." Stockists of Imported Perfumery, Raw Materials and Manufacturers of Perfume Compounds.

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Bharat Provision Mart.—91-93, Bhusari Moholla (Sarang Street), Bombay 3. Wholesalers in Provision, Medicines, Perfumery and General Merchants. Phone: 20417. Grams: "Bepromart."

Bombay Agarbatti Co. Simplex Building, Pawwalla Street, near Krishna Cinema, Bombay 4.

Bombay Perfumery Co.—Devkaran Mansion, Princess Street.

Bombay Trading Co. Dhun-Nur", Sir Phirozshah Mehta Road, Fort.

Bourjois (Eastern) Ltd. Kaiser-i-Hind Building, Currimbhoy Road, Fort, Bombay.

CALCUTTA ESSENCE SUPPLY CO.—Mulchand Mansion, Princess Street, Bombay 2. Dealers & Importers of Essential Oils, Aromatic Chemicals & Perfumers. Grams: "SUPRALUX." Phone: 23623.

Colaba Drug Stores. Nandam Manzil, Colaba Road, Bombay 5

Coryse-Salome, Paris.—Regal Building, Apollo Bunder.

Dalal Bros.—74, Swadeshi Market, Kalbadevi Road, Bombay 2.

Derby & Co.—P. B. Press Building, 299, Freere Road, Fort.

Gore, D. G.—31, Mangaldas Road, Bombay 2.

Grand Bazar—25, Colaba Causeway, Bombay 1.

Gulab Singh Johirmal—62 62A, Matwari Bazar, Bombay 2.

Gulam Rasulallahbux. 1/B, Bachooali House, Nowroji Hill Road No. 1, Bombay 9.

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Harrison & Co.—168-170, Cumballa Hill.

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Hasanally Bros.—153-155, Sheriff Devji Road, Chakla Street.

Hazex.—335/37, Kalbadevi Road, Bombay 2.

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Indiana Chemical Works (India) Ltd.—Atlas Mills Compound, Reay Road.

INDO-INTERNATIONAL COMMERCIAL CORPORATION LTD.—Lalgir Chambers, Tamarind Lane, Fort.

Jayantilal & Co., B.—15, Mangaldas Road, Princess Street, Bombay 2.

Kalapi Store.—53-56, Swadeshi Market, Kalbadevi Road, Bombay 2.

Kelkar, S. H., & Co.—Devkaran Mansions, Princess Street.

L. S. Awatram & Sons—Moti Mahal, 43, Dhanji Street.

Mac Laboratories Limited. 98, Zaveri Bazar, Bombay 2.
 Madon, M. T., & Co. The "Corner-shop", 346, Abdul Rehman Street.
 Madon, Sons & Co. Madon Mansion, 67, Hughes Road, Bombay 7.
 "Nanjis". 206 208, Carnac Road, Bombay 2.
 Narendra & Co. Bansilal Mansion, 11, Bruce Street, Fort.
 National Trading Co. Reay House, Hornby Road.
 Natwar Trading Co. 395, Kalbadevi Road, Bombay 2.
 New India General Stores. 33, Meadows Street, Fort.
 Patanwala, Ltd. 182-84, Abdul Rehman Street.
 Pearlina (Paris). Rahman Building, Vir Nariman Street, Fort.
 Parshotam Laxmichand - Bulakhidas Building, Princess Street, Bombay 2.
 Rajst Bros - Fern House, Colaba Causeway.
 Rikhye, N. M., & Co. Wadia House, Colaba.
 Sabowalla, Kamruddin Hakimji. Crawford Market, P.O. Box No. 1146.
 Sardesai & Company. Beaumont Chambers, Meadows Street, Fort.
 S. G. Kothari & Co. 88-90, Abdul Rehman Street, Bombay 3.
 Sheares, H. A., & Co. 30, Western India Building, Sir Phirozshah Mehta Road, Fort.
SIKRI BROTHERS. 77-E, Princess Street, Bombay No. 2. Phone No. 33494. Grams: "OILMAN".
 Stewart's Laboratories. 327, Hornby Road, Fort.
 Sun Chemical & Perfumery Works. 50-52, Isaji Street, Bombay 3.
 Tata Oil Mills Company Ltd. Bombay House, Bruce Street, Bombay.
 U. Asbestos & Mineral Supply Co. 88-90, Abdul Rehman Street, Bombay 3.
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MARITIME LUBRICANTS (INDIA). Post Box No. 1838, 59, Forbes Street, Fort, Bombay 1. Importers, Marketers, Petroleum Products.
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ALEMbic CHEMICAL WORKS CO., LTD., BARODA.—Distributors in Bombay: Alembic Distributors Ltd., Lakshmi Building, Sir Phirozshah Mehta Road, Fort. Phone No. 26605.
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 Arces Laboratories Ltd. Kotkar Building, 301, Arthur Road.
 Asian Drug Corporation. Podar Chambers, Parsi Bazar Street, Fort.
 Asiatic Pharmaceutical and Chemical Corpn. 19, Bank Street, Fort, Bombay. Phone: 32478.
 Asiatic Scientific T. B. Research Laboratories Ltd. Arya Bhuvan, Graham Road, Ballard Estate, Fort.
ASSOCIATED AGENCIES (BOMBAY).—47, Podar Chambers, Parsi Bazar Street, Fort.
 B A & Brothers. 98, Princess Street, Bombay 2.
 B-Tex Ointment Mfg. Co. 24, Bapu Khote Street, Bombay 3.

Bhagwandas Chhatrabhuj & Co. 20, Hamam Street, Fort.
 Bharat Provision Mart. 91-93, Bhusari Moholla (Sarang Street), Bombay 3.
 Bhukhanvala & Sons. Meadows House, Meadows Street, Fort.
 Biddle Sawyer & Co. (India) Ltd. 25, Dalal Street, Fort.
 Bock, F., & Co. Shale Building, Bank Street, Fort.
 British Drug Houses (India) Ltd. Imperial Chemical House, Ballard Estate, Fort.
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 Chunnilal Desai & Co. Gool Mansion, Homji Street, Fort.
 Ciba (India), Ltd. Jehangir Building, Esplanade Road, Fort.
CIBA PHARMA LIMITED.—Esplanade House, Waudby Road, Fort. Phones: 27574 and 28625.
 Colaba Drug Stores. Namdar Manzil, Colaba Road, Bombay 5.
 Craftman Electronic Corporation Ltd. Navsari Building, 240, Hornby Road, Fort & Sethna Hall, Nesbit Road, Mazgaon, Bombay 10. Suppliers of Instruments and Equipments for.
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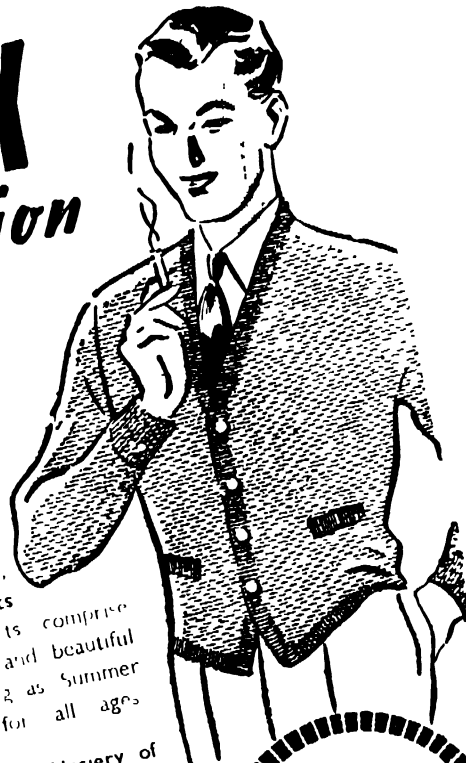
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Imperial Chemical Industries (India) Ltd.—Imperial Chemical House, Dougall Road, Ballard Estate.

Indian Schering Ltd.—Menkwa Building, Outram Road, Fort.

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INDO-PHARMA PHARMACEUTICAL WORKS.—Kohinoor Road, Dadar, Bombay 14. Managers: E. Schlesinger, H. Blaskopf, M. Pharmac (Vienna).

International Chemical Co. Ltd.—Magnet House, Dougall Road, Ballard Estate

Jadavjee Goverdhandas & Co. 58-60, Princess Street, Bombay 2.

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Naarden Chemical Works (India) Ltd.—2, Poona Street, Bombay 9

Nabar Laboratories —8-B, Western India House, Sir Phirozshah Mehta Road, Fort, Bombay 1.

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Okasa Co. Ltd.—12, Gumbow Street, Fort. Phone: 20206

Orient Drug Agency —Devkaran Mansion, Princess Street, Bombay 2. Phone: 24372.

Oriental Pharmaceutical Industries, Ltd.—Kavarana Building, 61-66, Tulsi Pipe Road, Mahim.

Paragon Products (India) Ltd. Wakefield House, Sprott Road, Ballard Estate, Fort.

Parkeh Bros., Ltd.—65, Mahatma Gandhi Road, Fort.

Parke Davis & Co. Ltd.—P.O. Box 88, Bombay.

Pharmed Ltd.—General Assurance Building, 232, Hornby Road, Fort.

PHARMED LTD.—Pharmed House, Fort Street, Fort. Phone: 28446. Grams: "PHARMED." Factory: 252/54, Dr. Annie Besant Road, Worli, Bombay 18.

Phillips & Co.—Waterloo Mansions, Mayo Road, Fort.

Poonjiljee, Jehangir J. M.—Byramji Mansion, Sir Phirozshah Mehta Road, Fort.

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Sandoz Products Ltd.—3, Wittet Road, Ballard Estate, Fort.

Shetty's Pharmaceuticals and Biologicals Ltd.—Sales Office: 361, Hornby Road, Fort.

SIGMA LABORATORIES.—24, Mogul Lane, Matunga, Bombay 16. Manufacturers of high quality Pharmaceutical Preparations & Proprietary Products. Phone: 61458. Grams: "SIGMALAB."

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Super Pharma Corporation, Ltd. 220, Jambhai Lalji Building, Pydhonie Road, Bhat Bazar, Bombay 9. P.O. Box 904

Swiss Pharmaceuticals —28, Apollo Street, Fort

Tablets, Ltd.—Western India House, Sir Phirozshah Mehta Road, Fort.

Thomson & Taylor Ltd. 117-119 Esplanade Road, Fort

Toos Ltd.—Western India House, Sir Phirozshah Mehta Road, Fort.

United Industries Corporation—Yusuf Building 3rd Floor, Vir Nariman Street, Fort

United Pharmaceutical Co.—157-59 Ganga Road Bombay 1

United Pharmaceutical & Chemical Co.—Comilla Bank Building, 263, Hornby Road, Fort.

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Rembrandt & Vandykes.—Whiteaways Building, Hornby Road.

Sabnis Photo Studio.—Lady Jamshedji Road, opp. Post Office, Dadar.

Saraswati Art Studio.—Ghamat Terrace, opp. Western Rly. Station, Dadar.

S. Pereira—Karanja Building, 653-A, Girgaum Road, Dhobi Talao, Bombay 2.

Surti, Harilal J.—Idlavati Mansion, Bombay 4. Also Importers of Rubber Stamp and Process Block making materials.

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VARTAK, B. B., STUDIO.—187, Hornby Road, Fort. Phone No. 25115. The Premier House for all Photographic Requirements, Developing, Printing, Enlarging & Expert Camera Repairs; Portraits and Group Photo Studio.

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ZARAPKAR PHOTO STUDIOS.—Head Office: 247, Girgaum Road. Branches: Dadar; Malvan; Savantwadi; Vengurla.

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Central Camera Co.—195, Hornby Road, Fort.

CENTRAL COMMERCIAL CORPORATION.—160, Hornby Road, Fort, Bombay. Grams: "RUPAYATAN." Importers and Agents of Photographic Materials.

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CONTINENTAL PHOTO STORES.—243-45, Hornby Road, Fort. Phone No. 20759.

Datta & Co.—Ganga Nivas, Ranade Road, Dadar.

Dave Brothers—Waterloo Mansion, Apollo Pier, Fort, Bombay.

Devare & Co.—Cutch Castle, opp. Opera House.

Foto Products Ltd.—Gundo Building, Hornby Road, Fort.

Great India Trading Co.—Braumen Chambers, 27-33, Meadows Street, Fort.

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International Photo Products—123, Mahatma Gandhi Road, Fort.

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Kantilal Sanghvi & Co.—Mherwan Building, Sir Phirozshah Mehta Road.

Karimji Ebrahimji Arsiwala.—118-20, Abdul Rehman Street, Bombay 3.

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Mahomedally Vallji Arsiwala.—76, Abdul Rehman Street, opp. Imperial Bank, Bombay 3.

Marker, S. D., & Co.—Isamli Building, 381, Hornby Road.

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Dawood Haqee Nasser & Co.—Manekia Chambers, 1st Marine Street, Dhobi Talao.

M. Dildas & Sons.—190, Princess Street

National Scientific Instruments Co.—257, Fiere Road, Fort, Bombay 1.

Nowroji N. Vakil & Co. Branch at Shahru Castle, Mahomedali Road, Bombay No. 3

Phillips & Co.—Waterloo Mansions, Mayo Road, Fort.

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Indo-International Commercial Corporation Ltd.—Crescent Chambers, Tamarind Lane, Fort.

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Jhaveri & Co., Gordhandas K.—Oomrigar Building, opp. Crawford Market.

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Ruba & Co.—Opera House, Bombay No. 4.

Salemahomed Padamsee & Co.—141, Chackla Street, Bombay 3.

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Shahani Bros. 160, Hornby Road, Fort, Bombay

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Sunder Mehta & Co.—413G, Vasantwadi, Kalbadevi Road, Bombay 2.

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Shah, H. T., & Co.—Ahmed Building, Golpitha, Bombay 4.

PRESS CLIPPING SERVICE

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 Rustomji Nowroji Bapasa (Estd. 1909).—62, Forbes Street, Fort.
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Karnatak Printing Press.—Karnatak House, Chitra Bazar, Bombay 2.
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Lalit Printing Press.—Shantlnath Jain Temple Building, Pydhownie, Bombay 3.
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Marban, J. B., & Co., Ltd.—Ballard House, Fort.
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Prakash Printing Press.—73, Apollo Street, Fort.
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H. Mohanlal Brothers.—16, Old Custom House Road, Fort, G.P.O. Box 1127.

Huns, Dewan & Co.—P. B. No. 4518, 158, Upper Duncan Road, Byculla, Bombay 8.

Imperial Trading Syndicate.—Podar Chambers, 54, Parsi Bazar Street, Fort.

Jadavji, B., & Sons.—Harbour View, Colaba Causeway.

Jaffers Shop.—Near Tram Terminus, Mazagaon, Bombay 10.

Johnson Phillips & Co. (Eastern) Ltd.—Bombay Mutual Annex, Hornby Road, Fort.

Kalvert, A., & Co.—123, Upper Duncan Road, Bombay 8.

Kashmir Stores, The.—11, Bank Street, Fort.

Keshavji Dharal & Co.—Haji Abdulla Building, opp. Railway Station, Dadar.

Khurshedji, C., & Co.—Javeri Building, 12th Lane, Khetwadi Back Road.

Khuaharu & Sons.—Sunno Lodge, near Tilak Bridge, Khodadad Circle, Dadar.

Kishinchand & Co. (India).—138, Hornby Road, Fort.

Kothari & Sons.—20, Noble Chambers, Parai Bazar Street, Fort.
 Krishnamachari & Co., T. T.—4th Floor, Petit Building, 357,
 Hornby Road, Fort, Bombay 1
 Kros & Co.—Podar Chambers, Parai Bazar Street, Fort.
 Laxmi General Stores.—Opp. D'Silva School, 23, Portuguese Church
 Street.
 Leopold Cafe & Stores.—8, Colaba Causeway, Apollo Bunder.
 Mack Industries Corporation.—Boaman Building, 12, Calicut Street,
 Ballard Estate, Bombay 1.
 Mahendra, A. C., & Co.—Noble Chambers, Parai Bazar Street, Fort.
 Mehta, F. D., & Co.—Standard Building, Hornby Road, Fort.
 Mongini, Limited.—45-47, Churchgate Street, Fort.
 National Stores.—Sitaram Building, next to Crawford Market,
 Hornby Road.

NEW CHEAP JACK No. 5.—(Proprietors: G. Mahomedali &
 Co.), Shop No. 5, Crawford Market; Dealers in Oilman
 Stores and Provision Merchants.

NEW INDIA GENERAL STORES.—33, Meadows Street, Fort,
 Bombay.

Our Popular Stores.—Ahmed Pail Mahal, Clare Road Corner, Byculla.
 Patel Ruby & Co.—Cumballa Hill.
 Pearce & Co.—Opp. Imperial Bank, Apollo Street.
 Phillimore & Co.—Cumballa Hill, Bombay 6.
 Pyke's Provision Stores.—373, Hornby Road.
 Raj, H. & Co.—93, Princess Street, Bombay 2.
 Raji Bros.—Fern House, Colaba Causeway
 Rulja Chemical Industries.—Chokli Chambers, Zaveri Bazar.

RUSTOMJI, R. N., & CO.—Wholesale Distributing Importers
 of Bacon, Hams, Cheese and all Provisions and Finance
 Agents. Shrinivas House, Waudby Road, opp. Bombay
 Gymkhana, Fort. P.O. Box 684. Phone: 30334. Grams:
 "HEROINE."

SEAH & CO.—Sitaram Building, Hornby Road, Fort. Phone:
 25996. Grams: "KHORDADSAI."

Sheares, H. A., & Co.—30, Western India Building, Sir Phirozshah
 Mehta Road, Fort.

Simms & Co., Ltd., P.—Sitaram Building, near Crawford Market.
 S. Nagam & Co.—418, Kalbadevi Road.

Sorabji Hormusji & Co.—22, Mangaldas Road, Bombay 2.
 Standard Manufacturing Co.—156, Tardoo Road, Bombay 7.

Unity Stores.—Near Portuguese Church, 92-94, Girgaum Road,
 Bombay 4.

Usha Trading Co.—44, Dadyseth House, Cowasji Patel Street, Fort.
 Vaziralli Ltd.—Prospect Chambers, Hornby Road, Fort. Tel.
 No. 33650.

WADEWANI & CO.—Botawala Building, 7-10, Elphinstone
 Circle, Fort, Bombay. Phone: 26719. Grams: "WANEYCO."

Wild Game & Seafood Co.—Sitaram Building, opp. Crawford Market.
 Yacob Ahmed Brothers.—Topiwala Mansion, Mahomedali Road.
 Yaddan Stores and Restaurant.—Imperial Mahal, Tram Terminus,
 Dadar.

Yazdani & Co., Ltd.—Sitaram Building, Hornby Road.
 Yuwak Stores, Shri.—399-A, New Hanuman Lane, Kalbadevi Road.

PUMPS AND PUMPING SETS MANUFACTURERS AND DEALERS

Adamally Sons Ltd.—277, Nagdevi Street, Bombay 3.
 Asian Textile Engineering Corporation.—Kermani Building, Sir
 Phirozshah Mehta Road, Fort.

Ashok Engineering Co.—24, Noble Chambers, Parai Bazar Street,
 Fort. Tel. No. 81446. Grams: "Revolution."

Asiatic Engineers.—Mehta House, Meadows Street, Fort.
 Atlas Engineering Co.—Crescent Chambers, Tamarind Lane, Fort.
 Atul Engineering Co.—49, Apollo Street, Fort, Bombay.

BATLIBOI & CO.—Engineers & Machinery Importers. Head
 Office: Forbes Street, Fort, Bombay 1. Phone Nos. 30607-8-9
 (Three Lines). Tel. Address: "BATLIBOICO." Branches:
 Batliboi House, Nagdevi Cross Lane, Bombay 3; 3-153,
 Broadway, Madras; P-34, Mission Row Extension, Calcutta;
 55-5, Japan Buildings, New Chowdi, Delhi; 12-3D, Variety
 Hall Road, Coimbatore; Reid Road, Ahmedabad;
 25-26, Birkana Road, Kappur.

Bhogilal & Company, B.—261/263, Hornby Road, Fort.
 Bhutt Brothers.—163, Nagdevi Cross Lane, Bombay 3.

Bibhan Sahai Om Parkash.—31, Forbes Street, Kirtie Building, Fort.
 Chimanlal Patel & Co.—174, Hornby Road, Fort.

"Consoles" Continental Agencies.—36, Prospect Chambers Annexe,
 Hornby Road, Fort.

C. Sethia & Co.—59, Forbes Street, Fort, Bombay.

Diwari Trading Co.—78, Apollo Street, Fort.

Dodsal Limited.—31, Mursban Road, Fort, Bombay, Representa-
 tives of Weise & Monaki, Weise Soehne, G m b H, Germany.

Drewet Chowna & Co.—Lentin Chambers, Meadows Street, Fort.
 Duncan Stratton & Co., Ltd.—5, Bank Street, Bombay.

EAST ASIATIC CO. (INDIA) LTD.—Wavel House, Graham
 Road, Ballard Estate. Phone: 30995.

Eastern Electric & Refrigeration Co.—14, Hamam Street, Fort,
 Bombay.

EDGAR HANDLEY & COMPANY LTD.—135, Meadows Street,
 Fort, Bombay 1. Phones: 22934 & 26884. Grams:
 "TROJAN."

EXCELLENT ENGINEERING CO.—11, Botawala Building,
 Elphinstone Circle, Fort. Grams: "HARIKRIPPA."
 Phone: 28601. Importers, Exporters, Commission Agents
 and Manufacturers' Representatives.

Gadgil Brothers.—10, Hamam Street, Fort
 Gannon, Dunkerley & Co., Ltd.—Chartered Bank Building, Mahatma
 Gandhi Road, Fort.

Garlick & Co.—Haines Road, Jacob Circle.

G. G. E. Bell Building, Sir Phirozshah Mehta Road Bombay
 Phone 31893

Ina Machinery Corporation.—65, Mahatma Gandhi Road, Fort

INDUSTRIAL AND COMMERCIAL ENGINEERS.—Manu-
 facturers of Centrifugal Pumps in all sizes and Types.
 Patel's Compound, Lamington Road, Bombay 8. Phone:
 74102. Grams: "NIGOS."

Ingersoll-Rand (India) Ltd. Devkaran Nanjee Building Elphinstone
 Circle, Fort, Bombay

Investa Machine Tools & Engineering Co., Ltd.—Ewart House,
 Bruce Street, Bombay 1.

Isaac Penhos (India) Ltd.—38, Yusuf Building, Flora Fountain,
 Bombay 1

Jacks, William & Co., Ltd.—Hamilton House, Graham Road, Ballard
 Estate, Fort.

Janak Engineers—4th Floor, Lentin Chambers, Dalal Street Fort
 Jashwantlal Manecklal & Co.—40, Churchgate Street, Fort

Jhala, R. T. & Co.—9, Forbes Street Fort, Bombay
 Kabali & Co., Ltd.—15, Bastion Road, Fort.

Kilburn & Co., Ltd.—Asian Building, Nicol Road, Ballard Estate,
 Fort.

Mahindra & Mahindra Ltd.—Gateway Building, Apollo Bunder,
 Bombay.

Marshall Sons & Co. (India) Ltd.—Marshall's Building, Ballard Road,
 Fort.

Minerva Machinery Corporation—Advani Chambers, Sir Phirozshah
 Mehta Road, Fort, Bombay.

NATIONAL TRADERS.—Advani Chambers, 1st floor, Sir
 Phirozshah Mehta Road, Fort, Bombay. Engineers and
 Machinery Merchants. Representatives: Gorman Rupp
 Self-Printing Centrifugal Pumps. Grams: "WETFARM."

New Standard Engineering Co., Ltd.—222, Bellasis Road, Bombay 8.

NIGO'S CORPORATION.—Manufacturers of Glandless Cen-
 trifugal Pumps in all Sizes and Types. 64, Forbes Street,
 Kala Ghoda, Bombay 1. Phone: 36713. Grams: "NIGO'S."

Pans & Co.—105, Apollo Street, Fort, Bombay.

Parekh Bros., Ltd.—65, Mahatma Gandhi Road, Fort.

Power Machines Corporation.—31, Forbes Street, Fort, Bombay 1

P. Rai & Co.—105, Apollo Street, Fort.

Radiant Engineering Co.—79, Meadows Street, Bombay 1

Royal Machinery & Trading Co.—6, Bell Lane, Fort, Bombay

Somani & Company, Ltd.—Shreenivas House, Waudby Road, Fort,
 Bombay.

TALWARKER, W. R.—Lentin Chambers, Dalal Street, Fort,
 Bombay. Phone No. 30367. Grams: "PUMPENAMEL."

Trinity Electric Syndicate.—Princess Street (Electrical).

Vijay Engineering & Machinery Co.—Shop No. 9, Bombay Mutual
 Annexe, Cawasji Patel Street, Fort.

Worthington Simpson Ltd.—Mubarak Manzil, Apollo Street, Fort.

QUALITY CONTROL CONSULTANTS

R. NANABHOY & CO.—Ballard House, 14, Mangalore Street,
 Fort, Bombay 1. Industrial Management, Cost and Quality
 Control Consultants. A.C.W.A., A.C.C.S., A.S.C.C. (Lond.).
 Phone: 30071. Grams: "RANACOST." Partner: R. Nana-
 bhoy (Mehta).

RADIO IMPORTERS

Chicago Telephone and Radio Co., Ltd. (Estd. 1909).—127, Mahatma
 Gandhi Road, Post Box 1312, Fort.

Craftsman Electronic Corporation Ltd.—Navsari Building, 240,
 Hornby Road, Fort & Sethna Hall, Nesbit Road, Masagaon,
 Bombay 10.

Doddsal Limited.—31, Murrban Road, Fort, Bombay; Representatives of A E G, Germany.
 Kiburn & Co., Ltd.—Asian Building, Nicol Road, Ballard Estate, Fort.

LATHEAM ABERCROMBIE & CO., LTD.—Forbes Building, Home Street, Fort, Bombay.

Universal Radio Co.—Prarthana Samaj, Bombay 4.

WESTERN UNION AGENCIES.—Marwari Vidyalaya Building, Sandhurst Road Tram Terminus, Bombay 4. Phone: 40343. Grams: "GRIDCAP." Importers & Distributors of Radios, Radio Components, Automatic Changers, Appliances, Fans & Accessories. Branches: 12, Pollock Street, Calcutta 1; Bhagirath Palace (Behind Imperial Bank), Chandni Chowk, Delhi 6 and 127, Oppanakara Street, Coimbatore (South India).

RADIO MANUFACTURERS, DEALERS AND PART SUPPLIERS

All Wave Radio Agency.—People's Building, 14-A, Sir Phirozshah Mehta Road, Fort.

Ama Ltd.—"Photo Cine Sound," Canada Building, Hornby Road, Fort.

Amsu Trading Company—457, Sandhurst Road, Bombay 4.
 A. M. Talati & Co.—381, Hornby Road, Fort.

AMZEL LTD.—Lotus House, Marine Lines, Bombay 1. Distributors: G. E. Radios (Bombay State & Kutch, Saurashtra, Madhya Pradesh, Madhya Bharat, Hyderabad-Dn.). Factory Representatives: Emerson Radios, made in U.S.A. (All India). Simpson Radio Testing Instruments, made in U.S.A. (All India).

Asian Trading Corp.—P.O. Box 1505, 20, Mangesh Street, Bombay 1.

Automobile Co., Ltd.—41, Queen's Road, Bombay 2.

Hell Radio & Electric Co.—Swadeshi Mills Estate, Tata Road, Girgaum.

Bharat Electric Supply Traders—542, Sandhurst Bridge, Chowpatty, Bombay 7.

Bharat Radio Corporation—404, Waghwadi, Kalbadevi, Bombay No. 2.

Bombay Motors & Radios Ltd.—33, New Queen's Road.

Bombay Phono & General Agency.—520-22, Kalbadevi Road.

Bombay Radio Service—First Floor, Prospect Chambers, Hornby Road, Fort.

British Radio & Electric Co.—Prospect Chambers, Hornby Road, Fort, Bombay.

Central Bottle Trading Co.—Padamsi Annexe, Chukla Street, Bombay 3.

Checker Brothers.—Coronation Building, Gunbow Street, Fort.

Chicago Telephone & Radio Co. Ltd. (Est'd. 1909).—127, Mahatma Gandhi Road, P.O. Box 1312, Fort, Bombay.

Chimanlal Desai & Co.—Gool Mansion, Homji Street, Fort.

Choice Radio.—Opp. Royal Opera House, Bombay 4.

Chopra Radio Electric Co.—Imperial Cinema Building, Lamington Road, Bombay 4.

Cinefones.—Opp. Opera House, 3, New Queen's Road.

City Radio Co.—Malabar Mansion, opp. Currow Baug, 37, Garden Road, Colaba.

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort & Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.

Eastern Radio Corporation.—99A-2, Jenabai Building, Main Road, Dadar.

Eastern Radio & Refrigeration Co.—8, Beaumont Chambers, Medows Street, Fort, Bombay.

Elstar Electric Co.—318, Lamington Road, next to Police Station, Bombay 7. Phone: 40091. On Government list as licensed Electrical Contractors.

Economic Electric Co., Ltd., The.—Jail Road (East), Dongri, Bombay 9.

Electric & General Traders Ltd.—Bombay Mutual Annexe, Gunbow Street, Fort.

Flodyne Electric Productions.—83, Matarpakhady Road, Mazagaon. Gohi Radio & Electric Corporation.—59-E, Gani Building, Mahomedally Road, opp. Masjid Bunder Road.

General Business Corporation.—Soorya Mahal, Medows Street, Fort.

General Radio & Appliances Ltd. (Formerly Fasalbhoy Ltd.).—Opera House, Bombay 4. Phone: 28204.

Globe Radio & Sound Corporation.—Dawoodbhoy Fasalbhoy Trust Building, Chakla Street, Bombay 3.

Globe Radio & Sound Corporation.—26, New Queen's Road.

Gramophone Co., Ltd.—Sir Phirozshah Mehta Road, Fort.

Gulam Rasul Allahbux.—1/B, Bachooali House, Nowroji Hill Road No. 1, Bombay No. 9.

Hasanally Brothers.—Chakla Street, Bombay 3.

Hindustan Electronics.—14, Gool Mansion, Store Lane, Fort, Bombay.

Huge Engineering Co., The.—Imperial Chambers, Wilson Road, Ballard Estate.

Impex Trading Co.—Kothari Mansion, opp. G.P.O.

India Radio & Electronics Corp.—Rani Building, Vitthalbhai Patel Road, Prarthana Samaj, Bombay 4.

India Traders.—101-B, Girgaum Terrace, Bombay 4

Indian Electric Equipment Co.—220, Khetwadi Main Road, Tara Mansion, Bombay 4.

Indo-American Radio & Electronic Corporation.—Allana Compound, Opp. Agripada Police Station, Lamington Road (North), Bombay 11.

International Trading Corporation.—Ahmed Chambers, Lamington Road.

Jagkumar & Co.—Prospect Chambers Annexe, 317-21, Hornby Road, Fort.

J. V. MENTA & CO.—Automobile and Radio Specialists, Opera House Tram Terminus, Lamington Road, Bombay 4. Phones: 70225 and 70226. Distributors for Telefunken Valves, Atlas Battery Charges, Vitrohm Resistances and Volume Controls, Bakers Loudspeakers, Leak High Fidelity Amplifiers, Nordix Car Radio Suppressors and Antennas, Solder-master Soldering Irons, Roadmaster Cell Testers. Manufacturers of "MENTACO" Transformers, Amplifiers and Battery Charges; Importers of all Radio Parts and Accessories, Microphones, Record Changers, etc.

Lachhwani & Co.—10, Hamam Street, Fort.

LAKHANPAL LTD.—29, New Queen's Road, Bombay 4. Phone: 22473.

LATHEAM ABERCROMBIE & CO., LTD.—Forbes Building, Home Street, Fort.

Laxmi Electric Trading Co.—37, Sitaram Building, near Crawford Market, Hornby Road.

Laxmidas & Dwardkadas—Laxmi Bhuvan Tram Terminus, Sandhurst Road.

Lyra (India) Co.—Mustafa Building, Sir Phirozshah Mehta Road, Fort.

Mazumdar & Co.—Opp. Krishna Cinema, Tribhuvan Road, Bombay 4.

Meher Radio Co.—Advani Chambers, Sir Phirozshah Mehta Road, Fort.

Metro Musics.—545, Kalbadevi Tram Junction, Dhobitalao, Bombay.

Modern Radio & Electric House.—381, Hornby Road, Fort.

MODERN TRADING CO.—Importers, Dealers and Distributors in Radio and Radio Accessories. Main Agents and Distributors of Bush Radio Ltd. for the whole Republic of India. Head Office: Lamington Road, Near Opera House, Bombay 4. Phone No. 32511. Tel. Address: "LOKMEWAK." Representing exclusively: Mullard Radio Valves—Eumec Condensers—Acos Pickups—Celestion Loudspeakers, G.E. Radio Valves, McMurdo Valve Bases.—Branches at: Delhi—Calcutta—Madras—Bangalore.

Monitor Radios.—24, New Queen's Road, Opp. Roxy Talkies, Bombay 4.

Motor House (Gujarat) Ltd.—Bhandup.

Moussell & Company Ltd.—Lotus House, Marine Lines, Bombay.

Mulraj G. Dungansey & Co., Ltd.—21, Forbes Street, Fort.

National Automobile Co., Ltd.—Opera House Tram Terminus, Bombay 4.

National Education and Information Films Ltd.—National House, Tulloch Road, Apollo Bunder, Bombay.

National BECO Radio & Engineering Co. Ltd.—Ewart House, Bruce Street, Fort, Bombay. Phone: 26081/2. Grams: "ENNAREE."

National Radio Corporation.—141, Chukla Street, Bombay No. 3.

N. D. Kooka & Co.—13/19, Medows Street, Fort, Bombay 1.

Oriental Radios, Ltd.—Isamall Building, Hornby Road, Fort.

Paradise Radio Electric & Engineering Co.—Opp. Swimming Bath,

39, Seaface Chowpatty, Bombay.

Parakh & Sons.—483, Kalbadevi Road, Bombay 2.

Paramount Engineering Co.—Fort Chambers, Hamam Street, Fort.

Paramount Traders.—Bhagwan-Bhuvan, 61, Tejpal Road, Vile Parle (East), Bombay 24. Grams: "UNDISHERI." Indentors and Commission Agents.

PARRAM & CO.—65, Pedar Chambers, Parsee Bazar Street, Fort, Bombay. Phone: 21522. Grams: "REKAM."

Precious Electric Co.—Yusuf Building, Churchgate Street, Fort.

RADIO ELECTRIC LTD.—Lamington Chambers, Lamington Road. Dealers in quality Radios & Manufacturers of Aerials, Radiotone Amplifiers, power Transformers, High Power Boosting Transformers, Battery Charging Sets, Low Tension Cables, etc., Importers & Manufacturers' Representatives. Managing Director: D. H. Marathe, S.S., S.M.I.R.E. (U.S.A.). Manager: Dh. H. Marathe, M.A. (Bom.), M.R.S.T. (Lond.). Phone: 70224. Telegrams: "RADTRIC," Bombay.

Radio Services.—417-21, Lamington Road, next to Powells Ltd., Bombay No. 4.

RADIOCRAFTERS, THE.—Radio and Sound Engineers, Land Mansion, opp. Charni Road Station, 21-ED, Queen's Road. Phone No. 23006.

Ragavji & Co.—427, Kalbadevi Road, Bombay 2.

Rajwarkar Radio Corporation.—6-D, Royal Opera House, New Queen's Road, Bombay 4.

Rex Radio Amplifier & Cinema Service.—23, Kennedy Bridge, near Opera House.

RYTHM HOUSE LTD.—40, Rampart Row, Fort. Phone : 26328. Grams : "RYTHM." Gramophone Records, Radios, Frigidaires, Air Conditioners, Wire Recorders, Electric Home Appliances.

Saba Radio Company.—15, New Queen's Road, Saklat House, Bombay 4. Phone : 20993.

SEARMA RADIO CORPORATION.—29, New Queen's Road, Bombay 4. Phone : 22473.

Sohan Radio Service.—Ganga Nivas, Ranade Road, Dadar, Bombay 14.

Soho House.—Vithal Sayana Building, Lohar Street, Bombay 2.

Star Radio Service.—Bhivandivala House, Gowalla Tank.

Star Radio & Engineers Ltd. Parekh House, New Queen's Road, Bombay.

Sundarlal, C., & Co.—Manhar Building, 189, Lohar Chawl, Bombay 2.

Super Radio Corporation.—33, Hussain House, Parcel, Bombay 12.

Super Simplex Radio Co.—16, Harinivas, Lady Jamshedji Road, Bombay 28.

Supreme Electrical Engineering Co., Ltd.—Lady Jamshedji Road, Mahlm, Bombay 16.

Surendra Trading Corporation.—159-2, Khetwadi Back Road, Bombay 4.

Talati, A. M., & Co.—Esmail Building, Hornby Road.

TELEFLUTE RADIO AGENCY.—20, Store Lane, Parsee Bazar Street, Fort, Bombay. Phone : 30258. Sole Distributors for "TESLA" Radios.

Teletune Radio Co.—7-8, Prospect Chambers Anneke, Hornby Road, Fort.

UNIQUE TRADING CORPORATION.—Mustafa Building, Sir Phirozshah Mehta Road, Fort.

United Engineering Corporation.—Datoobhoy Building, 5, New Queen's Road.

United Radio Service.—Padhy de Wadi, Bhawani Shanker Road, Dadar.

UNIVERSAL RADIO CO.—8, Rance Building, Prarthana Samaj, Bombay 4. Head Office : Chandni Chowk, Delhi. Branches : 3/2, Madan Street, Calcutta 13. Grams : "UNRACO" all Offices.

VASUDEVA LIMITED.—New Queen's Road, Bombay 4. Veena Automobile Service Station, The.—Wodehouse Road, Wellington Mews, Fort.

VINER RADIO ELECTRIC CO.—Hassan Chambers, 1st Floor, Farai Bazar Street, Fort. Phone : 26184.

Washington Radio Service.—Parekh House, New Queen's Road. West End Radio.—385, Kalbadevi Road.

Wireless Manufacturers (India) Ltd.—360, Vithalbhai Patel Road, Bombay 4.

RAIN COAT MANUFACTURERS & DEALERS

CALCUTTA SOLA HAT AGENCY.—Dwarkanadas Building, Mangaldas Road, Bombay 2.

Popular Sola Hat Work.—Baria Building, opp. Crawford Market.

RAYON MACHINERY SUPPLIERS

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort & Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.

DOBSON & BARLOW (RAYON PLANTS) LTD.—30, Forsett Street, Bombay 28. Sole Concessionaires for the Sale of Complete plants for the production of Continuous Filament Viscose Rayon, Staple Fibre and Transparent Paper manufactured by Dobson & Barlow, Ltd., Bolton, England.

READYMADE CLOTHES

CALCUTTA SOLA HAT AGENCY.—Dwarkanadas Building, Mangaldas Road, Bombay 2.

Kapadia Bros.—Kalyanji Building No. 3, Kandewadi, Bombay 4.

Karnatak Concerns Ltd.—197, Shilvaji Park, Bombay 28.

Khaney (India) Ltd.—Dhannukar Building, New Silk Bazar, Bombay 2.

Khoola & Co., L. C.—39, Prospect Chambers Annexe, Hornby Road, Fort.

"Nanjia."—206-208, Carnac Road, Bombay 2.

Popular Sola Hat Works.—Baria Building, opp. Crawford Market. Subhan Shop.—Heera Building, opp. Police Commissioner's Office, Carnac Road.

WEAR (INDIA) LTD.—4th Floor, Jan Mansion, Sir Phirozshah Mehta Road, Fort, Bombay 1. Grams : "READYWEAR." Sole Distributors (Bombay) for Samsons Dresses. Weldon Shop.—Oomrigar Building, opp. Crawford Market, Bombay 3.

RED LEAD MANUFACTURERS

Gulabchand Nathalal & Co.—45, Mirchi Lane, Bombay 3.

Jafferjee Valljee & Co.—Mirchi Lane, Mandvi, Bombay 3. Manufacturers of Red Lead and Raw Materials.

REFRACTORIES

DATSON RAVIRAJ & CO.—43, Tamarind Lane, Fort.

REFRIGERATORS (DOMESTIC)

Air Conditioning & Refrigerations Ltd.—Queen's Mansions, Bastion Road, Fort.

Blue Star Engineering Co.—59, Forbes Street, Fort.

Bombay Gas Co., Ltd.—214, Hornby Road, Fort.

Ceylon Traders Corporation.—21, Forbes Street, Fort.

Choice Radios.—Opp. Royal Opera House, Bombay 4.

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort.

Eastern Electric & Refrigeration Co.—14, Hanam Street, Fort.

Eastern Radio and Refrigeration Co.—8, Beaumont Chambers, Meadows Street, Fort.

Economic Electric Co. Ltd.—Jall Road (East), Dongri, Bombay 9.

Freezall.—Tribhuvan Road, Bombay 4.

Gramophone Co., Ltd.—Universal Fire & General Insurance Co.'s Building, Sir Phirozshah Mehta Road, Fort.

Mangharam & Co.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.

Marks & Gilbert.—Darabshaw House, Dougall Road, Ballard Estate, Fort.

McKenziez Ltd.—Sewri.

Modern Traders.—Post Box No. 1344, Bombay.

Moussell & Company Ltd.—Lotus House, Marine Lines.

Paramount Traders.—Bhagwan-Bhuvan, 61, Tejpal Road, Ville Parle (East), Bombay 24. Grams : "UNDISHERI." Indentors and Commission Agents.

PARSRAM & CO.—85, Pedar Chambers, Parsee Bazar Street, Fort, Bombay. Phone : 21522. Grams : "REKAM."

RADIOCRAFTERS, THE.—Refrigeration Engineers, Land Mansion, opp. Charni Road Station, 21-C-D, Queen's Road, Bombay. Phone : 23006.

Refrigeration & Appliances Co., Ltd.—Pravin Court, 34, Queen's Road. Post Box No. 1218, Bombay. Phone No. 34507. Grams : "REFRIANCES."

Refrigeration Engineering Corporation.—P.O. Box 5528, Bombay 14.

Rhythm House Ltd.—40, Rampart Row, Fort, Bombay 1.

United Motors (India) Ltd.—Hughes Road, Bombay.

Vibgyor Trading Company.—Lotus House, Hornby Road (next to Evans Fraser), Fort, Bombay.

Western Union Agencies.—Marwari Vidyalaya Building, Sandhurst Road Tram Terminus, Bombay 4.

REPRESENTATIVES (MANUFACTURERS)

Abrahamoff, S.—P.O. Box No. 520, Rehmat Manzil, Churchgate Street, Bombay 1.

Acme Agencies.—20, Hammam Street, Fort.

Advani Brothers, H. B.—251, Hornby Road, Fort.

Advani & Co.—G. V., Prospect Chambers, Hornby Road, Fort.

Advani & Co., Ltd. J. B.—Advani Chambers, Top Floor, Sir Phirozshah Mehta Road, Fort.

Ahmed Ebrahim Bros.—88, Chukla Street, Bombay 3.

Ahuja, C. M., & Co.—People's Building, Sir Phirozshah Mehta Road, Fort.

Akbarally Nanji & Co.—206/208, Carnac Road, Bombay 2.

Akmo Trading Company.—111, Bhandari-Chukla Street.

Allied Industries Producers.—Orient Hotel Building, opp. Crawford Market, Fort.

Allied Publishers & Stationery Manufacturers, Ltd.—15, Graham Road, Ballard Estate.

Almeida, J. C.—National Insee. Building, 27, Bastion Road, Fort.

A. R. Haseler.—Asian Building, Ballard Estate.

Art Metal Works (Estd. 1882).—Office and Factory: 100, Foras Road, near Municipal Workshop, Bombay 8.

Arvinia Trading Co., Ltd.—105, Apollo Street, Fort.

Ashar B. D.—10, Bruce Street, Fort.

Ashar Trading Co. 75-79, Old Hanuman Lane, Bombay 2.

Asher & Company.—Vadgadi, Bombay 3.

Asian Drug Corporation.—Podar Chambers, Parsi Bazar Street, Fort.

Asian Traders.—Kltab Mahal, 192, Hornby Road, Fort.

Asian Trading Corporation.—P.O. Box No. 1505, 20, Mangesh Street.

Associated Agencies (Bombay).—47, Podar Chambers, Parsi Bazar Street, Fort.

Associated Corporation of Industries (India) Ltd.—Commerce House, Currimbhoy Road, Ballard Estate.

Automobile Co., Ltd.—41, Queen's Road, Bombay 2.

Badat Ltd.—105, Sir Vithaldas Chambers, 16, Apollo Street, Fort.

Bajaj Brothers Ltd.—Round Building, Kalbadevi Road

Bakshi Ram & Co.—129, Modi Street, Fort.

Bashir, S. M., & Bros.—Bachooali House, Bachooali Road.

Battibol, C. J., & Co.—319, Hornby Road, Fort.

Benrissell, W. A. & Co., Ltd.—Dhan-Nur Building, Sir Phirozshah Mehta Road, Fort.

Bhagandas Chhatrabhui & Co.—20, Hamam Street, Fort.

Bhogilal & Company, R.—261/263, Hornby Road, Fort.

Birkmyre Brothers Ltd.—12, Rampart Row, Fort.

Bisco (India) Ltd.—Post Box No. 6707, Bombay 21.

Bock F. & Co.—Shale Building, Bank Street, Fort, Bombay

Brady, W. H., & Co., Ltd.—Royal Insurance Building, Churchgate Street, Fort.

Brilljal, H. R., & Co.—Beaumont Chambers, Medows Street, Fort.

British Engineering Co.—105, Apollo Street, Fort.

Budhabhoy Noorbhoy & Co.—199, Abdul Rehman Street.

Bulchand Co., L.—Moss Building, 510, Kalbadevi Road.

Byramji, T. & Co.—Central Bank Building, Mahatma Gandhi Road, Fort.

Cawnpore Mills Depot.—Churchgate Street, Fort.

CENTRAL COMMERCIAL CORPORATION.—160, Hornby Road, Fort, Bombay. Grams: "RUPAYATAN." Manufacturers' Representatives in Heavy, Fine and Textile Chemicals, Paper, Sundry goods and Textiles.

Central Trading Co.—41, Cowasji Patel Street, Fort.

Chasman & Co.—Bell Building, Sir Phirozshah Mehta Road, Fort.

Chavannes & Co., Ltd.—Mercantile Chambers, Graham Road, Ballard Estate.

Chemicals and Machinery Ltd.—Hamam House, Hamam Street, Fort.

Chemols Supply Co.—6th Floor, People's Building, Sir Phirozshah Mehta Road, Fort.

Chimandil Desai & Co.—Gool Mansion, Homji Street, Fort.

Chokshi Bros.—Western India House, 7, Sir Phirozshah Mehta Road, Fort.

Choksi, H., & Co.—106, Medows Street, Fort.

Chudgor & Co.—34, Daryasthan, Vadgadi, Bombay 3.

Commercial Syndicate Ltd.—Krishna Building, 115, Hornby Road, Fort.

Corn Products Co. (India), Ltd.—Shreenivas House, Waudby Road, Fort.

Cotton & General Produce Agency.—Sassoon Building, 141, Mahatma Gandhi Road, Fort.

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort & Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.

Cross and Sankey (India) Ltd.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.

Dali B. Shroff & Co.—361, Hornby Road, Fort.

Dann-Decker Company.—People's Building, Sir Phirozshah Mehta Road, Fort.

D. R. D. Agencies.—136, Girgaum Road, Bombay 4. Phone: 28705.

Dawood Hajeer Nasser & Co.—Maneckia Chamber, 1st Marine Street, Dhobi Talao.

Dee Bright & Co. (India) Ltd.—Cutch Castle, Sandhurst Road, Bombay 4.

Deeth & Co., W. H.—P. O. Box 320, Bombay 1.

Deevjan Agencies.—42, Prospect Chambers Annexe, Hornby Road, Fort.

Demk Malcolm & Co., Ltd.—Kumud House, 207, Dr Dadabhai Naoroji Road, (Hornby Road), Fort, Bombay

Derby & Co.—P. B. Press Building, 209, Frere Road, Fort.

Dewan Raj Kumar.—78, Podar Chambers, Parsi Bazar Street, Fort.

Dhani Ram & Sons.—236, Masjid Bunder Road.

Diavri Trading Co.—78, Apollo Street, Fort.

Dilaj & Co.—20, Hamam Street, Fort.

Dinanath Sons.—460, Kalbadevi Road, Bombay 2.

DINKAR TRADING COMPANY.—95/97, Bhandari Street, Bombay 3.

Doddal Limited.—31, Murzban Road, Fort, Bombay: Representatives of: A. E. G. Mannesmann—Export G m b H., Weise & Mouski, Weise Soehne G m b H., Dinglerwerke A. G., Norddeutsche, Kabelwerke A. G., Kerbs & Co., Berlin Maschinenfabrik Moenus A. G., A. Friedl. Flender & Co., all of Germany.

Drewet Chowna & Co.—Lentin Chambers, Medows Street, Fort.

Dubash Freres & Co.—Victoria Building, Parsee Bazar Street, Fort.

Duncan Stratton & Co., Ltd.—5, Bank Street, Fort.

Duleral & Co.—22, Apollo Street, Fort.

Dwarkanadas & Sons Ltd.—Mehta House, 89, Apollo Street, Fort, Bombay.

EASTERN EXPRESS SERVICE CO.—Sir Vithaldas Chambers, 16, Apollo Street, Fort.

Edwin & Kayzer.—70-72, Chakia Street, Bombay 3.

Express Corporation.—Co-operative Insurance Building, Sir Phirozshah Mehta Road, Fort.

Fairdeal Corporation Ltd., The.—Lakshmi Building, Sir Phirozshah Mehta Road, Fort.

Fazalbhoy Ltd.—16, New Queen's Road, Bombay 4.

Feil, K. M. (Successors to L. A. Bund).—Gresham Assurance House, Sir Phirozshah Mehta Road, Fort, Bombay.

Fereshaw, L., & Co.—Shirin Mansion, Sleater Road, Bombay 7.

Fleming Shaw & Co., Ltd.—Sorab House, 235, Hornby Road, Fort.

Forbes, Forbes, Campbell & Co., Ltd.—Forbes Building, Home Street, Fort.

Francis Klein & Co. (Bombay) Ltd.—Shale Building, Bank Street, Fort, Bombay

Francis Huber (India) Ltd.—Whiteaways Building, 2nd Floor, Hornby Road, Fort.

Fruit Farm Products Company.—Byramji Mansion, Sir Phirozshah Mehta Road, Fort.

Gaytee and Company.—Jannabhoomi Chambers, Fort Street, Fort. Grams: "IMPENG." Phone 32449.

Gladwyn & Co.—Powvala Building, 251, Hornby Road, Fort.

Godambe Bros.—Buona-Casa Building, Sir Phirozshah Mehta Road, Fort.

Govias (India) Ltd.—Bombay Mutual Building, Hornby Road, Fort.

Gulam Rasool Allahbux.—1-B, Bachoo Ali Road, Nowroji Hill Road No. 1, Bombay 9.

Hakimji Lookmanji.—C. P. Tank Road, Bombay 4.

Hales Bros. (India) Ltd.—K. Lekhraji Building, Carnac Bridge, Bombay 3.

Hallen, L. J. & Co.—275, Princess Street, Bombay 2.

Harbanslal & Co.—Bell Building, Sir Phirozshah Mehta Road, Fort.

Hardacre & Co., J.—Himalaya House, Paiton Road, Bombay 1.

Hardcastle, Waud & Co., Ltd.—Alice Building, Hornby Road, Fort.

Hassamal Dalamal, New Silk Bazar, Kalbadevi Road, Bombay 2.

Hazex.—335-37, Kalbadevi Road, Bombay 2.

Heatley and Gresham Ltd.—9, Forbes Street, Fort.

Hindustan Corporation Ltd.—Kermani Building, Sir Phirozshah Mehta Road, Fort.

Hitchman, George F.—Waterloo Mansions, opp. Museum, Mahatma Gandhi Road, Fort.

Hukumchand Chanderbhan.—1st Floor, Hira Building, opp. Crawford Market, Carnac Road.

India Traders.—101B, Girgaum Terrace, Bombay 4.

Indo-African Exporters.—Round Building, Kalbadevi Road, Bombay 2.

Indo-Ebbins & Textiles Co., Ltd.—10, Brace Street, Fort, Bombay 1.

Indo-International Commercial Corporation, Ltd.—Crescent Chambers, Tamarind Lane, Fort.

Indo-Iranian Trading Corporation.—Ava Chambers, 2nd Floor, Mahatma Gandhi Road, Bombay 1.

Industrial Stores Co.—Seksaria Chambers, 139, Medows Street, Fort.

Iron & Hardware (India) Co.—Nagdevi Cross Lane.

Jagkumar & Co.—Prospect Chamber Annexe, 317-21, Hornby Road, Fort.

Jashwantal Manecklal & Co.—40, Churchgate Street, Fort.

Jayant Traders.—275, Frere Road, Fort.

Jayems Engineering Co.—Warden House, Sir Phirozshah Mehta Road, Fort.

Jehangir J. M. Poonjaia.—Byramjee Mansion, Sir Phirozshah Mehta Road, Fort.

Jhaveri Brothers.—149, Shroff Bazar, Bombay 2.

Jhaveri & Co., S.—Sambava Chambers, Sir Phirozshah Mehta Road, Fort.

J. L. Khemani & Co.—190, Princess Street, Bombay 2.

Kalapi Stores.—46, Swadeshi Market, Kalbadevi Road, Bombay 2.

Kanakia Corporation.—163, Nagdevi Cross Lane, Bombay 3.

Keshavlal, J., & Co.—Saheb Building, 195, Hornby Road, Fort.

Kewalram & Bulchand.—Shree Krishna Nivas, Kalbadevi Road, Bombay 2.

Khairullah, G. D.—105, Apollo Street, Fort.

KHATAU VALKSHEDAS & CO.—Vadgadi, Bombay 3. Phone No. 21655. Tel. Address: "SCARLET" (for Dyes).

Kothari & Sons.—20, Noble Chambers, Parsi Bazar Street, Fort.

Lachhawani & Co.—19, Hamam Street, Fort.

Lachmandas Ramchand.—98, Nagdevi Cross Lane, Bombay 3.

Lamb Brothers (1939).—Bombay Mutual Annexe, 2nd Floor, Gunbow Street, Bombay 1.

LATHAM ABERCROMBIE & CO., LTD.—Forbes Building, Home Street, Fort.

Laxmi Commercial Agency.—16, Apollo Street, Fort.

Leories Trailing Co.—Buona-Casa, Sir Phirozshah Mehta Road, Fort, Bombay.

Maharashtra Leather Works.—Opp. Dadar Station (Western (Rly.), Bombay 14.

Mahindra & Mahindra Ltd.—Gateway Building, Apollo Bunder.

Manchester Commercial Corporation, Bombay Mutual Annexe, 1st Floor, Gunbow Street, Fort, Bombay.

Mangaldas & Sons.—Lentini Chambers, Dalal Street, Fort.

Manufacturers' Eastern Agency.—105, Apollo Street, Fort.

Marshall Sons & Co. (India) Ltd.—Marshall Building, Ballard Estate, Fort.

Marby Sons & Co.—"R" S. Nowroz Baug, Lal Baug, Bombay 12.

Mata Lachhmi Co.—Husseini Chambers, Nanabhai Lane, Fort.

Mill Factors Corporation.—Advani Chambers, Sir Phirozshah Mehta Road, Fort.

Modak Agency.—Janmabhoomi Chambers, Fort Street, Fort.

Modern Products Ltd.—Churchgate House, Churchgate Street, Fort.

Modern Trading Corporation.—79-81, Meadows Street, Fort.

Montgomery Orlerton & Co. (Estd. 1916, Shanghai).—147-A, Mahatma Gandhi Road, Fort.

Motor Color Company.—23, Nagdevi Street, Bombay 3.

Moussell & Company Ltd.—Lotus House, Marine Lines.

Muller & Phipps (India) Ltd.—Queen's Mansions, Bastion Road, Fort.

Muncherjee Byramjee & Co. (Estd. 1882).—Office and Factory Jeraibhoy Street, 100, Foras Road, near Municipal Workshop, Bombay 8.

Murdoch-Smith & Co., C. M.—23, Waudby Road, Fort.

Narendra & Co.—Banallal Mansion, 11, Bruce Street, Fort.

National Hardware & Stores Supply Co.—30, Khoka Bazar, Sarang Street, Bombay 3.

National Sales & Services Ltd.—12, Rampart Row, Fort.

New Associated Commercial Enterprises, Ltd.—166, Hornby Road, Fort.

Niranjan (India) Corporation.—Wakefield House, 16, Sprott Road, Ballard Estate.

Oomedchand Kashiram & Co.—Mudi Bazar, Bombay 3.

Oriental American Agencies.—199, Frere Road, Fort.

ORMERODS (INDIA) LTD.—Bank of Baroda Building, Apollo Street, Fort, P.O. Box No. 410, Bombay. Phone: 21077-78 (2 lines). Grams: "RAMSEAD."

Overseas Chemical & Trading Co.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.

Overseas Commercial Corporation.—Kitab Mahal, 192, Hornby Road, Fort.

Palm Court Buildings Ltd.—564, Chira Bazar, Bombay 2.

PARAMOUNT (INDIA) LTD.—Kermani Building, Sir Phirozshah Mehta Road, Fort, Bombay 1.

Parekh Bros. Ltd.—65, Mahatma Gandhi Road, Fort.

Parry & Co. Ltd.—Warden House, Sir Phirozshah Mehta Road, Fort.

Parsee Trading Co.—Vithal Sayana Building No. 2, Lohar Chawl, Bombay 2.

Paul & Co., B.—Behramji Mansion 4th Floor, Sir Phirozshah Mehta Road, Fort.

Pioneer Consolidated Co. of India, Ltd.—Botawalla Building, 11-13, Elphinstone Circle, Fort.

Plastic & Industrial Corporation Ltd.—15, People's Building, Sir Phirozshah Mehta Road, Fort.

P. P. Corporation Ltd.—Hamam House, Hamam Street, Fort.

Prabhulal N. Anandwala.—43, Tamarind Lane, Fort.

Premiera Corporation.—Nagin Mahal, 82/82-A, 82-B, Veer Nariman Road, Bombay 1: Phone: 30164, Grams: "PAULLOMI."

P. R. Patell & Co. Ltd.—Mherwan Building, Sir Phirozshah Mehta Road, Fort.

Priam & Co.—Bell Building, Sir Phirozshah Mehta Road, Fort.

Purusottamdas, A. H.—36, Lentini Chambers, Dalal Street, Fort.

Raj, H., & Co.—93, Princess Street, Bombay 2.

Raj-Deo-Kar & Co.—Commissariat Building, Hornby Road, Fort.

Rakani Morariji Ltd.—Prospect Chambers, 317-21, Hornby Road, Fort.

R. C. H. Barar & Co.—239, Abdul Rehman Street, Bombay 3.

Refrigerator & Appliances Co., Ltd.—Victory Court, 34, Queen's Road, Bombay 1.

Rikhye, N. M., & Co.—Wadia House, Colaba.

R. L. Bros. & Co.—4th Floor, "Dhun-Nur", Sir Phirozshah Mehta Road, Fort.

Robert Chamlian.—31, Forbes Street, Fort.

Roberts Melan & Co. Ltd.—Ilaco House, Sir Phirozshah Mehta Road, Fort.

Ronald Bros.—25, Bank Street, Post Box No. 1420, Fort.

Royal Express Agency.—247, Nagdevi Street, Bombay 3.

Sarabhai & Co.—Western India House, Sir Phirozshah Mehta Road, Fort.

Sawhney & Co.—Shahpur House, Cawasji Patel Street, Fort, P.O. Box No. 148/A, Bombay.

Scientific Instrument Co., Ltd.—Navsari Building, 240, Hornby Road, Fort.

Sethsons Ltd.—12, Rampart Row, Fort.

Sethy, M., & Co.—29, Iemall Building, 351, Hornby Road, Fort.

Shaikh & Co.—94, Ali Umar Street, Bombay 3.

Shamdas, B., & Co.—121, Himalaya House, Palton Road, Bombay 1.

Shanker Singh & Co.—10/10A, Nanabhai Lane, Bombay.

Shapurji, R. K., & Co.—Prospect Chambers, 319, Hornby Road, Fort.

Sheares, H. A., & Co.—30, Western India House, Sir Phirozshah Mehta Road, Fort.

Shroff & Co., Dal B.—361, Hornby Road, Fort.

Singham Bros. & Co. (India) Ltd.—P.O. Box 894, Bell Building, Sir Phirozshah Mehta Road, Fort.

Siqueira & Sons.—121, Fort Street, Fort.

Sivramakrishnan, M.—Hazi Manzil, 82-86, Abdul Rehman Street Bombay 3.

Somanl & Company Ltd.—Mehta Building, Meadows Street, Fort, Bombay.

Sona Trading Corporation.—257, Frere Road, Fort.

Sorabji Khursedji & Co.—Calicut Street, Ballard Estate. Phone: 30562. Grams: "Adyashap."

Speciality Traders Ltd.—Imperial Chambers, Wilson Road, Ballard Estate.

Subodh Indent Agency.—44, Kumar Villas, Mangalvadi, Girgaum, Bombay 4.

Sudhir Limited.—Central Bank Building, Bruce Street, Fort.

Sunder Mehta & Co.—413G, Vasant Wadi, Kalbadevi Road, Bombay 2.

Tarachand Purnam.—Court House, Carnac Road, Bombay 2.

Triton Trading Co., Ltd.—Menkwa Building, 10, Outram Road, Fort.

Turner Hoare & Co. Ltd.—Gateway Building, Apollo Bunder, Fort, Bombay.

Union Trading Co. (Bombay) Ltd.—Arya Bhuvan Building, Graham Road, Ballard Estate, P.O. Box 116, Bombay.

Uniales (India) Ltd.—27-33, Meadows Street, Fort, Bombay.

United (India) Agencies.—Hasan Chambers, Parsi Bazar Street, Fort.

United Sales Agencies (India)—Amarville, 3, Lady Jamshedji Road, Bombay 16.

Universal Export and Import Co.—Swadeshi Mills Estate, New Queen's Road.

Utomal & Assudamal & Co.—Bombay Mutual Annexe, Gunbow Street, Fort.

Valab & Co., M.—Podar Chambers, Parsee Bazar Street, Fort.

Vasi Bros. & Co.—Topiwala Mansion, Mahomedally Road, Bombay 3.

Vaziralli Ltd.—Prospect Chambers, Hornby Road, Fort.

Vikram Padamsey & Co.—Rustom Building, 29, Churchgate Street, Fort.

Ward Thos. W. (India) Ltd.—Marshall Building, Ballard Road, Fort.

Watanamal Boolchand.—P.O. Box 2233, 534, Kalbadevi Road, Bombay 2.

Watumull, J.—5/A, Advani Chambers, Sir Phirozshah Mehta Road, Fort.

Western India Engineering Corp. Ltd.—Cama Chambers, 23, Meadows Street, Fort.

Western Mercantile Co.—33-38, Western India House, Sir Phirozshah Mehta Road, Fort.

William Jacks & Co. Ltd.—Hamilton House, Ballard Estate, Fort.

Wynne & Co.—Karim Building, Mahomedally Road, Bombay 3.

Yacob Ahmed Bros.—Topiwala Mansion, Mahomedally Road.

Yeshanand & Co.—Podar Chambers, Parsee Bazar Street, Fort.

RICE MILLS

Diarvi Trading Co.—64, Old Custom House Road, Fort.

Mehta & Co. S.—Anees Chambers Annexe, Carnac Road, Bombay 1.

Pans & Co.—105, Apollo Street, Fort.

Shamjee Veljee & Co.—Rice Millers & Merchants, 228, Narsi Nathji Street, Bhat Bazar, Bombay 9.

ROAD BUILDING MACHINERY

Associated Machine & Tool Co.—130, Meadows Street, Fort. Phone: 28688.

Chokai, H., & Co.—106, Meadows Street, Fort.

Craftsman Electronic Corporation Ltd.—Navsari Building, 240, Hornby Road, Fort & Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.

EAST ASIATIC CO. (INDIA) LTD.—Wavell House, Graham Road, Ballard Estate. Phone: 30995.

Excellent Engineering Co.—11, Botawalla Building, Elphinstone Circle, Fort.

Great Western Engineering Works.—"Sea View," 1st Pasta Lane, Colaba, Bombay 5.

Jack, William & Co. Ltd.—Hamilton House, Graham Road, Ballard Estate, Fort.

Larsen & Toubro Ltd.—J. K. Building, Dougall Road, Ballard Estate, Fort.

MILLAR'S TIMBER & TRADING CO., LTD.—Victoria House, Victoria Road, Bombay 27.

Murdoch-Smith & Co., C. M.—23, Waudby Road, Fort.

Volkart Brothers.—Volkart Building, 19, Graham Road, Ballard Estate.

Ward, Thos. W. (India) Ltd.—Marshall's Building, Ballard Road, Fort.

ROPERIES

Adamally Sons Ltd.—277, Nagdevi Street, Bombay 3.

ADAMJI KADERBHOY.—Post Box No. 5046, 337, Katha Bazar, Bombay 9. Tel. No. 32835. Manufacturers and Stockists of Cordage, Manila Cord, Hemp & Cotton Ropes. Approved Contractors to Govt., Rlys. and Steamship Companies. Exporters of Cord Products. Selling Agents for: The Ganges Rope Co., Ltd., Calcutta.

Bottomley, A. C., & Co.—Stronach House, Graham Road, Ballard Estate.

CHANDULAL & CO., KATHAWALLA.—11, Kazi Sayed Street, Bombay 9. Grams: "CORDCOIR". Phone: 71298.

Patabhal, K. S., & Co.—129, Nagdevi Street, Bombay 3. Gujrat Rope Factory.—57-61, Jhajiipala Lane.

HASANALI AKBARALI KATHAWALLA.—399/401, Marathi Natha Street, Bombay 9. Dealers in every kind of Cord Ropes, Fibre, etc. Govt. & Railway Contractors. Phone: 22492. Grams: "WAYNILE."

INDIAN ROPE MANUFACTURING CO. (ESTD. 1907).—79/A, Foras Road, Bombay 8. Grams: "INDROPCO." Manufacturers of "Lion Brand" Engine Cotton Driving Ropes, Bandings, etc.

J. EBRAHIM & CO.—Genuine Manila, Sisal, Hemp, Coir, Cotton and Jute Ropes, Jute Twines, Jute Spun Yarn, Oakum, etc., 345, Katha Bazar, Bombay 9. Phone: 21429. Grams: "PANJATANI." Sole Selling Agents for Bombay Province for Messrs. W. H. Barton & Co., Ltd.

M. BEST COTTON ROPE MANUFACTURING CO.—Manufacturers of Engine-Cotton-Driving Ropes, Cotton Bandings, Tubular Banding, Spindle Tapes, etc. 47-49, Forbes Street, Fort. Tel. No. 25581. Grams: "ROPEMART." Proprietors: M. J. Thanawala & Co. Tel. No. 87514.

M. N. Narwekar & Co.—7, Homji Street, Fort. Mohamedbhoy, H., & Co.—114-116, Bhajiipala Lane, Bombay 3. Ochhavai Chhotakal & Co.—207-209, Nagdevi Street, Bombay 3. Premji Haridas & Co.—Bhanusali Chambers, 168, Argyle Road, Bombay 9.

Raswalla & Co., M. M. A.—Hoosinbhai Building, 17, Janjlikar Street, Koliwada.

Star Rope Works, The.—87, Sun Mill Road, Lower Parel, Bombay 13. Talib & Co.—Talib House, 104, Nagdevi Street, Bombay 3.

THANA TEXTILE ROPE WORKS.—"Sun Brand" Pink Ply Cotton Rope Manufacturers and Merchants. Crescent Chambers, 1st Floor, Tamarind Lane, Fort, Bombay 1. Phone: 31983. Grams: "PICKROLLS."

Thanawala & Co., M. J.—47-49, Forbes Street, Fort. Thanawala, B., & Sons, Ltd.—47, Tamarind Lane, Fort. Todl & Co.—Importers & Exporters, 41, Hamam Street

ROSIN AND TURPENTINE MANUFACTURERS

Bombay Rosin & Turpentine Co.—G.P.O. Box 1512, 76, Podar Chambers, Parsi Bazar Street, Fort.

Kirtikumar Chandulal & Co.—313, Samuel Street, Vadgad, Bombay.

EMPEE CORPORATION LTD.—Dadyseth House, 44, Cawasji Patel Street, Fort. Grams: "ROSTURP." Phone: 25802.

RUBBER GOODS MANUFACTURERS

BEARAT & CO.—P.O. Box No. 5539, Bombay 14. Wholesale Dealers in Contraceptive Rubber Appliances and Reliable Medicinal Preparations. Write for free Catalogue. Trade Enquiries from Chemists and Wholesalers Solicited.

Blascheck, H., & Co.—Opp. Hongkong Bank, 44, Cawasji Patel Street, Fort.

Cawnpore Mills Depot.—Churchgate House, Churchgate Street, Fort. Cosmos India Rubber Works, Ltd.—7, Homji Street, Fort

Cosmos Rubber Industries Ltd.—131/A, Bhavanishanker Road, Dadar, Western Rly.

Dunlop Rubber Co. (India) Ltd.—Dunlop House, Hughes Road.

EBRAHIM ALLIBHOY & SONS (ESTD. 1834).—Importers and Exporters of Cutlery, Rubber and Plastic Toys, Imitation Jewellery, Presentation Articles and Novelties. 260-64, Abdul Rehman Street, Bombay 3. Phone: 33463.

Empire Industrial Works.—Warden House, Sir Phirozshah Mehta Road, Fort.

EXCELSIOR COMMERCIAL CORPORATION.—243, Abdul Rehman Street, Bombay 3. Grams: "BIGSALES." Phone: 29463. Exporters of Rubber Goods, such as Balloons, Feeding Bottles and Eye-Dropper Nipples, Industrial and Surgical Gloves, Rubber Toys and Balls, Prophylactics, etc.

Ghia, B. L.—Behramji Mansion, Sir Phirozshah Mehta Road, Fort. Globe Printing Bureau.—2nd Floor, Rehman Building, 24, Vir Nariman Street, Fort.

Great Eastern Trading Co.—107, Cawasji Patel Street, Fort.

HARBO TRADING SYNDICATE.—Prospect Chambers Annex, Hornby Road, Fort. Phone: 22719. Grams: "HARBOSYN." Harivadan S. Dholabhai.—21A, West View, 10th Khetwadi, Bombay 4. Suppliers of Rubber Stamps, Blocks, Cinema Slides and Embossing Dyes.

HIND RUBBER INDUSTRIES LTD.—Suryodaya Mills Compound, Tardeo Road, Tardeo, Bombay 7. Phone: 41509. Grams: "HINDRUBBER." Manufacturers of Rubber and Ebonite Articles such as Bicycle Pedal Rubber, Handle Grips, Brake Rubber and Seat Covers, Perambulator Tyres, Tricycle Tyres, Grips and Pedals, Solid Rubber Tyres for Trolley wheels, and complete Trolley wheels and various other types of moulded and expanded Rubber and Ebonite Articles required by Railways, Mills and other Industrial Concerns. Managing Director: Shri Shankarlal G. Jhunjhunwala.

HINDUSTAN TYRES LTD.—Manufacturers of all kinds of Rubber and Ebonite Goods and Retreaders of Tyres. Lamington Road (North), opp. Agripada Police Station, Bombay 11. Phone No. 42821. Grams: "TYRES."

Industrial Store Agency.—59, Forbes Street, Fort.

Jai Hind Rubber Products, Ltd.—391F, Solid Road, Bombay 7.

Kapadia Brothers.—Kalan Building No. 3, Kandewadi, Bombay 4. Kilburn & Co., Ltd.—Asian Building, Nicol Road, Ballard Estate, Fort.

Kishore Rubber Industries.—Suryodaya Mills Compound, Tardeo, Bombay 7.

Korula Rubber Co., Ltd.—Great Social Building, Sir Phirozshah Mehta Road, Fort.

Mag Products.—24, Vir Nariman Street, Fort.

Merchant Bros.—151, Nagdevi Street.

Rawal Rubber Works.—Hamam House, Hamam Street, Fort.

RUBBER INDUSTRIES (INDIA).—Works at Kuria Road, Andheri. Phone: 86214. Distributor's Office: 243, Abdul Rehman Street, Bombay 3. Grams: "BIGSALES." Phone: 26463.

Sahu Rubber Ltd.—15A, Elphinstone Circle, Fort.

Shamsunder Kishindas & Co., Ltd.—Devkaran Mansion, Princess Street.

Shoe Marketing Company.—Bharat Building, 15A, Elphinstone Circle, Fort.

SORABJI D. DARUWALLA.—Round Building, Kalbadevi Road. Sole Agents: East India Rubber Works Ltd., Calcutta. Manufacturers of all kinds of Rubber Goods, Ebonite Sheets and Rods, Moulded Rubber goods. Direct Importers of Surgical, Mechanical and Technical Rubber Goods. Phone: 30346. Grams: "REDCROWN."

S. S. Prabhu.—Ghamat Terrace, opp. Dadar Station, Central Rly., Bombay 14.

Standard Rubber Corporation, The.—81, Esplanade Mansion, Mahatma Gandhi Road, Fort, Bombay.

Supreme Industries Ltd.—Sewree Cross Road, Wadala, Bombay.

Thomas Korula.—Great Social Building, Sir Phirozshah Mehta Road, Fort.

U. S. Trading Co.—P. O. Box No. 1213, Fort.

Versatile Traders, Ltd.—Behramji Mansion, Sir Phirozshah Mehta Road, Fort.

VINAY BAKELITE TRADING CO.—Suppliers of all kinds of Rubber Caps, Corks, Washers, Rings and all Chemical Proof Rubber Sheetings, Pimpalwadi, Mughhatt Street, Bombay 4.

Vir Brothers.—48, Dhanji Street, Bombay 3.

West India Company.—Behramji Mansion, Sir Phirozshah Mehta Road, Fort.

RUBBER STAMP MANUFACTURERS

Ghaisas, G. J., & Co.—Ramchandra Building, Tram Terminus, Girgaum.

Goonanth, P.—Nana Shankar Seth's Wadi, Girgaum Road, Thakurdwar.

Kotkar, M. B., Bros.—373, Girgaum Road, Thakurdwar.

MANKAME BROTHERS.—Rubber Stamp Manufacturers, Engravers and Die-Sinkers, 406, Kalbadevi Road, Bombay 2. Phone: 23960.

Masani & Co.—81, Medows Street, Fort

PANDARINATH S. BHATKER.—Embossed Labels Manufacturers, 12, Cawasji Patel Street, Fort.

Stewarts Laboratories.—327, Hornby Road, Fort.

Surti, Harilal T.—15/9, Khetwadi, Bombay 4. Importers of Rubber Stamp and Process Block Making Materials.

Thacker & Co. Ltd.—18-20, Rampart Row, Fort.

Young India Stationery Mart.—43, Ghoga Street, Fort.

SADDLERS AND HARNESS MAKERS

Army & Navy Stores Ltd.—Mahatma Gandhi Road.
 Elgin Leatherwares, Ltd.—Nawab Building, 327, Hornby Road,
 opp. Thos. Cook & Son, Fort, Bombay.
 Kanrudin Adamjee & Co.—135, Bhendi Bazar.
 Mamaji, Y. A., & Son.—Tyeb Manzil, 136-139, Bhendi Bazar.
 Noorbhai Jivaji.—Tyeb Manzil, Bhendi Bazar, near Tram Junction.
 Tajiboy Allibhoy & Sons.—117, Ebrahim Rahimtulla Road,
 Bombay 3.

SAGO FLOUR IMPORTERS AND DEALERS

Arvinda Trading Co. Ltd.—105, Apollo Street, Fort.
 Beardsell & Co., Ltd., W. A.—"Dhan-Nur", 15/16, Sir Phirozshah
 Mehta Road, Bombay 1.
 Chemautex.—11, Bank Street, Fort, Bombay.
 Dharvi Trading Co.—64, Old Custom House Road, Fort, Bombay.
 Jagkumar & Co.—Prospect Chambers Annexe, 317-21, Hornby Road,
 Fort.
 Sizing Materials Co., Ltd.—Jeroo Building, 137, Mahatma Gandhi
 Road, Fort.
SUDESH & CO.—Sage Flour, Starches, Gums and Chemical
 Merchants, opp. New Sugar Market, Frere Road, Bombay 2.
 Phone : 32532. Grams : "SPEEDSTEEL."
 Todi & Co.—41, Hamam Street, Fort.

SALT MERCHANTS

Bhiwandilwalla, H. M. D. H., & Co.—538, Chira Bazar.
KHAN BAHADUR HORMASJI MANECKJI DOSSABHOY
HORMASJI BHIWANDIWALLA & CO.—583, Chira Bazar,
 Bombay No. 2.
ORIENTAL SALT TRADING CO.—552-A, Adenwala Road,
 Bombay 19. Manufacturers and Suppliers of Common
 Salt to Industrial Concerns and Retail and Wholesale Dealers.
 Pragnal L. Pandya & Co.—11, Bank Street, Fort.

SALTPETRE MERCHANTS

Jehangir, J. M. Poonjiajee.—Byramji Mansion, Sir Phirozshah Mehta
 Road, Fort.
 Kikabhai Gulamhusain.—210, Samuel Street, Vadgadi, Mandvi.
 Narotamdas Harivalabhdas.—80, Khand Bazar, Mandvi.
 Shamji Bhanji & Co.—290, Samuel Street, Vadgadi, Bombay 3.

SAND, STONE AND CHUNAM MERCHANTS

Ahmed Noormohamed Chunawala & Co.—338, Ghodbunder Road,
 Andheri.
 Atmaram Bros.—Thakurdwar Mortar Mill, 340, Girgaum Road and
 Duncan Road.
 Bharat Pulverising Mills—Chinchpokli Cross Lane, Byculla,
 Bombay 27.
 Esmail Noormahomed & Co.—Opp. Market, Andheri.
 Faziuddin Ibrahim Chunawala.—Near Water Pipe, Chinch Bunder.
 Haji Adam Haji Abba & Co.—Reti Bunder, Mazagaon.
 Haji Umer Haji Musa.—Near Police Station, Pydhownie.
 Harilal Tribhovandas & Bros.—161, Panjrapole Road.
 Hasham Joosab.—291-A, Duncan Road.
 Industrial Minerals & Chemical Co.—125, Narayan Dhuru Street,
 Bombay 3.
 Laxmi Mortar Mills.—Portuguese Church Street, Dadar.
 Mohanlal Jannadas & Sons.—Opp. Mohan Building, Girgaum.
 Pavri, Kavasjee Bhicaji.—10, Transvaal Terrace, Falkland Road.
SAWNEY CONSTRUCTION CORPORATION—Stone,
 Stone Materials and Sand Suppliers, Gilbert Hill, East Side,
 Andheri. Phone : 86610. Grams : "SAWNEYTEJ." Sole
 Proprietor :—Mr. Mohansingh Bhagwansingh Sawney.
 Residential Address : Guru Arjan Nivas, 53, Ghodbunder
 Road, Santa Cruz, Bombay.
 Stone Supplying Co. Ltd.—494, Duncan Road, Bombay 14.
 Talyabi Mortar Mills.—10, Underia Street, Choksey Moholla.
 Tansukhlal Ratilal & Co.—15, 2nd Sutar Gali, Null Bazar.
 Wagie & Sons.—Opp. Congress House, Girgaum Back Road.
 Yusuf Dada Chunawala & Co.—34, Bapu Khote Street, Bombay 3.

SANDALWOOD MERCHANTS

Bharucha, A. K., & Co.—202, Bora Bazar Street, Fort.
EDULJI RUSTOMJI SUKHADEWALA—266, Thakurdwar
 Bombay 2.
 Mysore Products, Ltd.—191, Princess Street.
SORABJI NOWROJI & CO.—16, Horniman Circle, Fort.
 Sukhadwalla, Manecksha Hormasji.—Opp. Wadia's Fire Temple,
 607, Girgaum Road.
 Wardens (Mysore) Ltd.—378, Karanjia Building, Grant Road.

SANDALWOOD & PALMAROSA OILS
SORABJI NOWROJI & CO.—16, Horniman Circle, Fort.**SANITARY ENGINEERS**

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 Adamally Sons Ltd.—277, Nagdevi Street, Bombay 3.
 Advance Tube Co.—99, Nagdevi Street, Bombay 3.
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 Street, Bombay 4. Phone : 73636. Grams : "SANITARY."
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 and Plumbing Materials.
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 Balsara & Co.—41-45, Medows Street, Fort.
 B. Bamboat & Co.—56, Gowalia Tank Road, Bombay 26.
 Bhatena & Co.—Patel's Bungalow, 187, opp. Grant Road Railway
 Station (Up).
 Bhatena, B. N., & Co.—100, Nagdevi Street, Bombay 3.
 Bhole & Co.—Near Fire Temple, Junction of Queen's Road &
 Thakurdwar Road.
 Bombay Sanitary Engineering Co.—204, Bazargate Street, Fort.
 Burjor Framji & Co.—Marine Mansion, Marine Lines, Off Queen's
 Road.
 Dhamankar, W. & Co.—106A, Girgaum Road, Bombay 4.
 Dixon, H. I., & Co., Ltd.—Ajam Building, Ballard Estate.
 Escoofally Dawoodbhoy.—18, Doctor Street, Dhanwadi Moholla.
 Escoofally Adamji & Co.—134, Nagdevi Street.
 Fidaali Rajabali.—165, Hill Road, Bandra.
 Gagrut & Co.—160, Nagdevi Street.
 Gannon, Dunkerley & Co., Ltd.—Chartered Bank Building, Mahatma
 Gandhi Road, Fort.
 Glenfield & Kennedy, Ltd.—Wallace Building, 9, Wallace Street,
 Fort.
 Godbole Bros.—101-103, Mughhat Street, Girgaum.
 Jafferjee Hussonally & Sons.—48, Nagdevi Street, Bombay 3.
 Jashwantlal Maneckial & Co.—40, Vir Nariman Street, Fort.
 Keshawlal Lalooobhai.—87-89, Parai Gali, Dhanji Street.
 Khambatli, G. L.—Hararwalla Building, 5, Ardeshr Dady Street,
 Sandhurst Road, Bombay 4.
 Marker, S. D., & Co.—Ismlali Building, 381, Hornby Road, Fort
 Mavani, B., & Co.—187, opp. Grant Road Station (East), Bombay 7.
 Minoo Cawasji Press, L. S. E.—Sanitary Engineer, Hamal Wadi,
 Dhobi Talao.
 Mistry, P. M., & Co.—43, Tamba Kanta, Pydhonie.
 Mohomedbhoy Escoofally Nulwalla.—78, Bapu Khote Street, Jambli
 Moholla, Null Bazar, Bombay 3.
 Nanalal Ambhal & Co.—69, Nagdevi Street, Bombay 3.
 Nanalal Pandya & Co.—302, Angrewada, Kalbadevi Road,
 National Engineering Co.—103, Nagdevi Street.
NEW INDIA SANITATION COMPANY—Central Bank
 Building, 3rd Floor, Fort, Bombay. Phone : 33122. Grams :
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 Contractors and Hot Water Specialists.
 Patankar, B. A., & Co.—Madhav Wadi, Naigaum Cross Road, Dadar
 Pawar, B., & Co.—Near Madhav Baug, 102, Ardeshr Dady Street
 Press Cowasji Dinshaw.—Hamal Wadi, Dhobi Talao, Bombay 2.
R. MOOLCHAND & CO.—44, Nagdevi Cross Lane, Bombay 3.
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 Room Fittings. Grams : "POTTERY." Phone : 34207.
 Ratilal & Co.—Madhavji Thakersey Building, Picket Cross Road.
 Richardson & Cruddas.—Byculla Ironworks, Byculla.
 Sanitation (Bombay) Ltd.—Navsari Chambers, Outram Road, Fort,
 Bombay.
 Service, Geo., & Co.—Sohrab House, 237, Hornby Road, Fort.
 Simpson, D. R., & Co.—83, Gamdevi Road, Grant Road, Bombay 7.
 United Tube & Hardware Co.—146, Nagdevi Street, Bombay 3.
UNIVERSAL SANITARY ENGINEERING CO.—Kitab Mahal,
 1st Floor, 190-192, Hornby Road, Fort.
 Victoria Sanitary Stores.—54, 3rd Bholwada, Bhuleshwar, Bombay 2.
 Vidya Sanitary Works.—16-24, Lohar Chawl, Bombay 2.

SANITARY WARES, PIPES & FITTINGS

ARDEALLY, B. M. & CO.—127, Sarang Street, Bombay 3.
 Phone : 31790.
 Abdulhusain Escoofally Contractor.—91-93, Bapu Khote Street,
 Bombay 3.
ADVANCE TUBE CO.—99, Nagdevi Street, Bombay 3. Phone :
 24751. Grams : "ELBOWS".
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 Phone : 73636. Grams : "SANITARY."

ASGERALI NURUDDIN & CO.—83, Nagdevi Street, Bombay 3. Pipe fittings, Sanitaryware and Hardware Merchants. Phone: 22509.

Badruddin Hasanali & Co.—43, Gulaiwadi, Kika Street, Bombay 4.
Batliboi, C. J., & Co.—319, Hornby Road, Fort.
Bombay Building Materials Trading Co.—73, Meadows Street, Fort.
Bombay Potteries & Tiles Ltd.—Pipe Road, Kurla, Bombay.
Calcutta Iron and Steel Co.—68/D, Mohamedally Road, Bombay 3

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Gopalchand Puri & Brothers.—135, Javeri Bazar, Bombay 2.
Gupta, D. P., & Co.—181, Nagdevi Street, Bombay 3.
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India House.—Prop.: Rajabai Gulamali, 85, Nagdevi Street, Bombay 3.

Jashwantlal Manecklal & Co.—40, Vir Nariman Street, Fort.

J. CHAMPAKLAL & CO.—44, Nagdevi Cross Lane, Bombay 3.

JIVRAJ & VRAJLAL.—122, Nagdevi Street, Bombay 3. Phone No. 33038. Grams: "SANPIPEX."

K. CHIMANLAL & CO.—107-A, Nagdevi Street, Bombay 3.

Marker, S. D., & Co., Ltd.—381, Hornby Road, Fort.
Mehta, N. M., & Co.—6/10, Old Custom House Road, Fort.
Mohamedalli & Co., Quetta Walla.—71-75, Nagdevi Street, Bombay 3.

NANALAL AMBALAL & CO. (Estd. 1917).—69, Nagdevi Street, Bombay 3. Phone: 25164. Grams: "VILVALHIRO." Direct Importers of Galvanised Pipe Fittings & Sanitary-ware.

N. M. MEHTA & CO. (Estd. 1915).—6-10, Old Custom House Road, Fort, Bombay 1. Phone: 27447. Grams: "EMBOSSD."

NATIONAL SANITARY ENGINEERING CO.—88-90, Kika Street (Gulaiwadi), Bombay 4.

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Sahni & Co., K. L.—Central Bank Building, 3rd Floor, Fort.
Shah, A. H., & Co., Ltd.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.

Shapurji & Co., R. K.—319, Hornby Road, P.B. 1065, Fort.
Sivramakrishnan, M. Hazi Manzil, 82-86, Abdul Rehman Street, Bombay 3.

Sizing Materials Co., Ltd.—Jeroo Building, 137, Mahatma Gandhi Road.

Teamman Traders.—Nagdevi Street, Post Box No. 3162, Bombay 3
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Vadilal & Co.—435, Duncan Road, Bombay 4.
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Vinubhai Chandulal & Co.—65, Nagdevi Street, Bombay 3.
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Bombay Saw Mills Co.—Connaught Cross Lane, Ghorupdeo.
Brjmoohan Banwarlal.—61, Reay Road, Mazagaon, Bombay 10.
Gilder Saw Mills.—40, Victoria Road, Mazagaon, Bombay 10.
Grand Woodworks & Saw Mills.—Connaught Cross Road, Ghorupdeo.
McKenzies, Ltd.—Sewri.

Meherally Saw Mill & Timber Works.—Ghorupdeo, Connaught Road, Bombay 10.

Miller's Timber & Trading Co., Ltd.—Victoria House, Victoria Road, Mazagaon.

PODAR SAW MILLS.—61, Reay Road, Bombay 10.

Sunderdas Saw Mills.—Opp. Reay Road Station, Bombay 10.
Western Australia State Saw Mills, Perth.—Agents: Killick Nixon & Co., Home Street, Fort.

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Bhatia Surgical Works.—199, Khetwadi Main Road, Girgaum, Bombay 4.

Bole Brothers —49, Princess Street, Bombay 2.

CRAFTSMAN ELECTRONIC CORPORATION LTD.—Navsari Building, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.

DOCTOR & CO.—Bombay Mutual Terrace, 534, Sandhurst Road, Bombay 7. Grams: "DIATHERMY." Suppliers of Surgical Scientific Laboratory, Hospital and Research Equipments and Instruments.

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HECO (INDIA).—1, Home Street, Fort. Phone Nos. 27225 (2 Lines). Grams: "HECOINDIA."

India Syringe Works.—Mangalwadi, Bombay 4.

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Jagkumar & Co.—Prospect Chambers Annexe, 317-21, Hornby Road, Fort.

JECHAND TALAKSHI & SONS.—Empire Building, Hornby Road (near Capitol Cinema), Fort, Bombay 1. Grams: "CHILDWORLD." Manufacturers and Importers of Scientific Instruments and Laboratory Equipments for High Schools.

Jitendraray & Co.—37-485, Princess Street.

Kishorchandra & Co —Keshav Baug, 102, Princess Street.

Larsen & Toubro Ltd.—J. K. Building, Dougall Road, Ballard Estate, Fort.

LAWRENCE & MAYO (INDIA) LTD.—274, Hornby Road, Fort.

MARTIN & HARRIS LTD.—Savoy Chambers, Hamam Street, Bombay 1.

National Scientific Instruments Co. —237, Frere Road, Fort, Bombay 1

Parekh Bros., Ltd.—63, Mahatma Gandhi Road, Fort.

Phil Educational Co. —79, Ghoga Street, P.B. 1450, Fort, Bombay.

PIONEER INDUSTRIES.—21, Forbes Street, P.O. Box No. 1909, Fort. Phone: 31962. Grams: "PIOMETAL." Agents in India for Messrs. Cooke, Troughton & Simms Ltd., U.K. for Microscopes and other Optical Equipment, Tinsley (Industrial Instruments) Ltd., U.K. for Patarographs, High Temperature Measuring & Control Equipment, etc. Messrs. Harry W. Dietert Inc., U.S.A. for Sand Testing & Control Equipment, also Stockists of Pyrometers, Recorders, Controllers, Muffle Furnaces, Colorimeters and other items for Industrial and Research Laboratories.

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RAJ-DER-KAR & CO.—Commissariat Building, Hornby Road, Fort. For Research & Industries. Phone No. 27304.

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Scientific Apparatus & Chemical Works Ltd.—27, Hamam Street, Fort.

Scientific & Industrial Supplies Corporation.—Princess Street, Bombay 2.

SCIENTIFIC INSTRUMENT CO., LTD.—Navsari Building, 240, Dr. Dadabhai Naoroji Road, (Hornby Road), Fort. Grams: "SICO." Phone: 20642. Offices also at 6, Tej Bahadur Sapru Road, Allahabad 1; 11, Esplanade East, Calcutta 1; 30, Mount Road, Madras 2; 29, Regal Building, New Delhi 1.

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Sonal Rangnaw & Co—41, Hamam Street, Fort, Bombay

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UNIQUE TRADING CORPORATION—51-53, Babu Genu Road, New Hanuman Lane, Princess Street, Bombay 2. Grams: "UNILAB." Phone: 26963.

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Din Products Ltd—210, Frere Road, Fort, opp G P O.

EAST ASIATIC COMPANY (INDIA) LTD.—Wavell House, Graham Road, Ballard Estate. Phone: 30996.

Fruit Farm Products Co—Byramji Mansions, Sir Phirozshah Mehta Road, Fort

Kooverji Becharial—350-54, Narahi Natha Street, Bombay 9

Laxmi Commercial Agency—16, Apollo Street, Fort

Milkhiram (India) Ltd—Waterloo Mansion, Wodehouse Road, Fort, Bombay

Tarachand Purahram—Court House, Carnac Road, Bombay 2

Javaria Bros—Dhun Nur, Sir Phirozshah Mehta Road, Fort

Y K Sampat & Co—382 84, Katha Bazar, Bombay 9.

SELF-EMULSIFYING WAX IMPORTERS

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Imperial Sewing Machine Co—Dhutipapehwar Building, Mangalwadi, Girgaum

Jayantilal Keshavlal & Bros—282, Sandhurst Road, Bombay 4

Khurya Co Ltd—Head Office Beaumon Chamber, 27 33, Meadows Street, Fort

Laichand, R & Co—93, Princess Street Bombay 2

Mehta Bros & Co—Krishna Building, 306, Sandhurst Road, Bombay 4

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Amratlal & Co—Sutarwala 10 Mirza Street (Paral Gally) Bombay 3

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Central Agency Ltd—81, Palton Road Fort

Ebrahim Alibhai Bros—15, Sutar Chawl, Bombay 2

Fakhri Thread House—72, Bhajipala Lane, Bombay 3

Gulam Rasul Allahbux—1-B, Bachooali House, Nowroji Hill Road No 1, Bombay 9

Khurya Co, Ltd—Head Office Beaumon Chambers, 27-33, Meadows Street, Fort

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Kulin Industries—12-13, Swadeshi Market, Kalbadevi.

Laichand, R, & Co—93, Princess Street, Bombay 2

Lukmanji Musaji Sutarwala—41, Nagdevi Street, Bombay 3

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Abdeyally Shamsuddin & Co.—Near French Bridge, Opera House, Girgaum.

Adamlj Kaderbhoy—337, Katha Bazar, Bombay 9.

AMIRUDDIN SHALEBHAY TYEBJEE & SONS.—Shale Building, 2nd Floor, Bank Street, Fort, Bombay 1.

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Baker, A. M., & Co.—218, Nagdevi Street.
Bombay Steam Navigation Co., Ltd.—Scindia House, Ballard Estate.

Calcutta Iron and Steel Co.—68 D. Mahomedally Road, Bombay 3.
Central Engineering Co.—125, Nagdevi Street.

Chadha, B. M., & Co.—Jan Mansion, Sir Phirozshah Mehta Road, Fort. P. O. Box 671, Bombay

Chandulal & Co.—Kathawalla, 11, Karli Sayed Street, Bombay 9.

Chatrabhuj & Co.—Lohar Chawl.

Cooper & Co.—53, Abdul Rehman Street.

Darukhanawalla, F. E., & Co.—244, Nagdevi Street.

Dawoodi H. Vasi & Co.—164, Nagdevi Street.

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Doriwalla & Co.—Katha Bazar, next to Union Bank, Bombay 9.

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Hatimbhoy Goolamhusein & Bros.—193, Nagdevi Street.

Heptoola Nooruddin & Co.—152-54, Nagdevi Street, Bombay 3.

Jashwantlal Maneklal & Co.—40, Churchgate Street, Fort.

Jashwantlal Maneklal & Co.—97, Nagdevi Street, Bombay 3.

K. Chimanlal & Co.—107A, Nagdevi Street, Bombay 3.

Kanjil Jadhavji & Co.—Masjid Bridge, Bombay 9.

Kurwa & Kajiji.—142-44, Abdul Rehman Street.

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Mackenzies Limited—Sewri, Bombay.

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Saify, T. A., & Brothers (India).—20, Sarang Street, Bombay 3.

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The Standard Trading Co.—Vithal Sayana Building No. 2, Lohar Street, Bombay 2. Phone: 32274. Grams: "Digvijay."

United Tube & Hardware Co.—146, Nagdevi Street, Bombay 3.

Vasi, Shams & Co., Ltd.—Vasi Building, 165-67, Nagdevi Street.

V. Spark & Co.—199, Carnarvon Road, Bombay 2.

Zaveri, C. A., & Co.—44, Abdul Rehman Street.

SHIPPING AGENTS

ABRAHAM, D., & SONS LTD.—Hague Building, Sprott Road, Ballard Estate, Fort.

Anchor Line Limited.—Neville House, Graham Road, Ballard Estate, Bombay 1. Phones: 30094 & 30096. Grams: "ANCHOR," Bombay.

Bhawanidass & Sons.—24, Churchgate Street, Bombay 1.

Currimbhoy Laljee Sajun & Co.—"Brightlands," Lansdowne Road, Apollo Bunder, Bombay 1.

DEWAN, L., & SON.—Jan Mansion, Sir Phirozshah Mehta Road, Fort. Phone: 31469. Cable: "RAILCUMSEA."

Eastern Bunkers (Burma) Ltd.—Scindia House, Dougall Road, Ballard Estate, Bombay.

Express Transport Ltd.—Hooselni Chambers, Nanabhai Lane, Churchgate Street, Fort. Grams: "Movefast." Phone: 28657. Managing Agents: Gandhi & Sons, Licensed Clearing & Shipping Agents.

Liladhar Pasoo & Co.—282, Narsi Natha Street, Bombay 9.

Lionel Edwards Ltd.—Nicol Road, Ballard Estate, Bombay.

MITSUMI LINE.—C/o Wallem & Co. (India), Ltd., Warden House, Sir Phirozshah Mehta Road, Fort, Bombay. Phones: 32633 and 21318. Grams: "WALLEMCO" and "MITSUMI-LINE."

M. DHARAMDAS & CO.—Janmahoomi Chambers, Fort Street, Ballard Estate, Bombay. Phone: 33225. Clearing, Forwarding & Shipping Agents.

Narottam & Pereira Ltd.—Scindia House, Dougall Road, Ballard Estate, Bombay.

New Dholera Shipping & Trading Co. Ltd.—Bombay Mutual Building, 293, Hornby Road, Bombay 1.

OOMERSEE KESOWJEE & CO. (Estd. 1875).—Post Box No. 1, Bombay. Head Office: Camp Bazaar, Cannanore, South India. Grams: "BARTER," Bombay; "KANAIYA," Cannanore.

SHIPPING & TRAVEL (AGENTS) LTD.—Botawala Chambers, Sir Phirozshah Mehta Road, Bombay 1. Phones: 33633 and 86115. Grams: "ALLCLEAR."

WALLEM & CO. (INDIA) LTD.—Warden House, Sir Phirozshah Mehta Road, Fort, Bombay 1. Grams: "WALLEMCO." Phones: 32633 and 21318.

SIGNBOARD PAINTERS

Athavia, N. A. (Estd. 1921)—Lamington Chambers, Lamington Road, opp. West End Cinema, Bombay 4.

BRIGHT BROS. LTD.—156-A, Tardeo Road, Bombay 7. Phone: 41699. Grams: "BRIGHTS." Manufacturers of Plastic Signboards, Speculators of other Advertising Novelties.

Gawale Art Service.—233, Hazargate Street, Fort.

Goonanath, P.—Nana Shankar Seth's Wadi, Girgaum Road, Thakurdwar.

Kotkar, M. B., Brothers.—373, Girgaum Road, Thakurdwar.

More, S. & Co.—34-38, Hamam Street, Fort.

Nagool Bros.—100, Mint Road, Fort.

Pioneer Trading Co., The.—Kanti Bhuvan, Parel, Bombay 12.

SILK FACTORIES AND MILLS

Ahmed Abdul Karim Bros. Ltd.—Karim Building, Abdul Rehman Street, Bombay 3.

Ahmed Silk Mills.—Karim Building, Mohamedalli Road, Bombay 3. Mills at Ambernath (C. Rly.).

Bharat Silk Mill.—Kurmuri Village, Kurla.

Bipin Silk Mills Co., Ltd.—Old Kasturchand Mills Compound, 12, Dadar Road, Dadar.

BOMBAY SILK MILLS LTD.—Industrial Estate, Lalbaug, Bombay 12. Manufacturers & Exporters of Artificial and Pure Silk Fabrics and Spun Silk Yarn. Phones: 74644 (Lalbaug), 35462 (Colaba). Grams: "ETEDOC." Managing Agents: Hansraj Sons.

Champaklal & Bros.—Sayee Bhuvan, 143, Princess Street, Bombay 2.

Chholi Silk Mill Co., Ltd.—Bombay Mutual Building, Sir Phirozshah Mehta Road, Fort.

C. & J. Silk Mills.—Nehru Road, Vile Parle, Bombay. Phone: 26783. Manufacturers of Georgette and Ninon.

Indian Silk Mill Co., The.—Sewri Cross Road, Vadala, Bombay 15.

NATIONAL ART SILK MILLS, LTD.—Old Kasturchand Mills Compound, Dadar, Bombay 28. Phones: 60440 & 61030. Manufacturers of High Class Rayon Fabrics.

New Mahalaxmi Silk Mills, Ltd.—Mathuradas Mill Compound, Lower Parel.

NOVELTY SILK MILLS.—Ghodbunder Road, Dahisar. **Proprietors:** Dhananath Sons. **Phones:** Mill 84137; Office 24719.

Panalal Silk Mills.—Atlas Mills Compound, Reay Road, Mazagaon, Bombay 10.

Ramlal Silk Mills.—Plot No. 106, Sion Road, Bombay 22.

Roop Rayon Mills Factory at Ambewadi, Parel Tank Road, Bombay 12. Phone: 43400.

Samrat Silk Mills.—D. Sudarshan Printing Works Compound, Agra Road, Vikrol.

Sareen and Alliance Silk Mill Co., Ltd.—Victoria Road, Mazagaon. **Sharda Silk Mills Ltd.**—Atlas Mills Compound, Reay Road, Bombay 10.

SREE LAXMI SILK MILLS.—Kasturchand Mills Premises, Dadar, Bombay 28.

United Rayon Mills Ltd.—Near Elphinstone Bridge, Low Level, Parel.

Vijay Silk Mills.—Atlas Mills Compound, Reay Road, Mazagaon.

Vinod Silk Mills.—Kasturchand Mills Estate, Tulsei Pipe Road, Dadar.

SILK MERCHANTS

(See Textiles)

SIZING MATERIALS

Adarsha Trading Corporation.—Ismail Building, 2nd Floor, Room No. 9-H, 381, Hornby Road, Fort, Bombay.

Arvintha Trading Co., Ltd.—105, Apollo Street, Fort.

Associated Agencies (Bombay).—47, Podar Chambers, Parsi Bazar Street, Fort.

Bhoglal & Co.—7-10, Elphinstone Circle, Botawalla Building, Fort.

B. N. Trivedi & Co.—13, Hamam Street, Fort.

Brady, W. H. & Co., Ltd.—Royal Insurance Building, Churchgate Street, Fort.

Chemautex.—11, Bank Street, Fort.

Consumers Services Ltd.—Podar Chambers, Parsi Bazar Street, Fort.

Corn Products Co. (India), Ltd.—Shreecnivas House, Waudby Road, Fort.

C. Patel & Co.—70, Podar Chambers, Fort.

Daver, B. F. & Co.—Appa Bang Building, 41, Queen's Road.

DIN PRODUCTS LTD.—9-A, Ash Lane, off Medows Street, Fort, Bombay 1.

Dhirren & Co.—Lakhani Building, 34, Cawasji Patel Street, Fort.

Excelsior Finishing Products Co., Ltd.—21, Forbes Street, Fort.

Express Trading Corporation.—Fatch Manzil, opp. Opera House, Bombay 4.

Gannon, Dunkerley & Co., Ltd.—Chartered Bank Building, Mahatma Gandhi Road, Fort.

General Industrial Chemicals.—Beaumont Chambers, 27/33, Medows Street, Fort.

General Textile Stores Ltd.—Beaumont Chambers, 27/33, Medows Street, Fort.

Harlecastle, Waud & Co., Ltd.—Alice Building, Hornby Road, Fort.

Herrnan & Mohatta, B. R., Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort.

Hiralal V. Shah & Co.—Mehta Building, Medows Street, Fort.

Imperial Chemical Industries (India), Ltd.—Imperial Chemical House, Dougall Road, Ballard Estate.

India Textile Agencies.—Noble Chambers, Parsi Bazar Street, Fort.

Indo-British Chemical Co.—Raja Bahadur Mansion, 11, Tamarind Lane, Fort.

Indus & Co.—325, Krishna Nagar, Soparibaug Road, Parel, Bombay 12.

Industrial Minerals and Chemical Co.—25, Narayan Dhuru Street, Bombay 3.

Javri Traders.—Lakhmi Building, 31, Cawasji Patel Street, Fort, Bombay.

Kirtikumar Chandulal & Co.—313, Samuel Street, Vadgadi, Bombay.

Latham Abercrombie & Co., Ltd.—Forbes Building, Home Street, Fort.

MAIZE STARCH PRODUCTS CORPORATION.—32, Apollo Street, Fort. **Dealers in Sizing Materials and Industrial Chemicals.** Phone: 23718. Grams: "MAZSTARCHE."

Mehta, J. H. & Co.—106-8, Bazargate Street, Fort.

Mehta, Sanghvi & Co.—303, Samuel Street, Vadgadi, Bombay 3.

Modern Sizing, Finishing and Textile Stores.—Mustafa Building, Sir Phirozshah Mehta Road, Fort.

Morgan Miller & Co.—219, Frere Road.

Nanavati & Co., Ltd.—16, Apollo Street, Fort.

NATIONAL TRADING COMPANY.—263, Hornby Road, P.O. Box 158, Bombay 1. Phone: 26749. Grams: "BEARAT."

Manufacturers' Representatives and Distributors of Sizing and Finishing Materials and Allied Auxiliaries, Textile Leather goods, Bobbins, Shuttles, etc. Branches: Ahmedabad, Calcutta, Coimbatore and Delhi.

Optimum Corporation.—18, Hamam Street, Fort, Bombay 1.

Poonjiajee, Jehangir J. M.—Byramji Mansion, Sir Phirozshah Mehta Road, Fort.

Raskilal & Co., Ltd.—60-62, Princess Street, P. B. No. 2228, Bombay.

Rula Textiles.—17-19, Dalal Street, Fort.

Rustomji Nowroji Bapasaia (Estd. 1909).—62, Forbes Street, Fort.

Sheth, S. C. & Co., Ltd.—Raja Bahadur Mansion, 14, Hamam Street, Fort.

Shree Krishna Trading Co., Ltd.—11, All Chambers, Tamarind Lane, Fort.

Singham Bros. Co. (India) Ltd.—P.O. Box 894, Bell Building, Sir Phirozshah Mehta Road, Fort.

Sizing Materials Co., Ltd.—Jeroo Building, 137, Mahatma Gandhi Road, Fort.

Standard Pulverising Co.—Atlas Mills Compound, Reay Road, Bombay 10.

Stewart's Laboratories.—327, Hornby Road, Fort.

Textile Supplies Syndicate (India) Ltd.—Kermani Building, Sir Phirozshah Mehta Road, Fort.

Todi & Co.—Importers & Exporters, 41, Hamam Street, Fort.

Phone: 28623. Grams: "OFFER".

Waghji Lakhmaldas & Co.—206, Samuel Street, Vadgadi.

SOAP FACTORIES

Allwyns Ltd.—92-94, Ardeshtir Dady Street.

Auxitex.—177-179, Lamington Cross Roads and Calcutta National Bank Buildings, Sir Phirozshah Mehta Road, Fort.

Haghdad Soap Factory.—43, Foras Road.

Balloon Soap Factory.—Nagree Building, 50, Custom House Road, Fort.

BOMBAY SOAP FACTORY.—Manufacturers of "Bosfa" Soaps & Toilet Requisites, Established 1904, Abdul Rehman Street. Phone: 21789. Tel. Add.: "BOSFA."

Chemical Engineering Corporation.—22, Apollo Street, Fort.

DIANA SOAP CO.—Behind Maratha Plague Hospital, Sussex Road, near Victoria Gardens, Bombay 27. Phone: 40709.

Grams: "DISOCO." Manufacturers of Household, Laundry & Textile Soaps & Chemicals.

DIN PRODUCTS LTD.—9-A, Ash Lane, off Medows Street, Fort, Bombay 1.

Empire Industrial Works.—Warden House, Sir Phirozshah Mehta Road, Fort.

Flory Consolidated Co. (India) Ltd.—Advan Chambers, Sir Phirozshah Mehta Road, Fort.

100 Gold Soap Factory.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.

HIRA CO-OPERATIVE INDUSTRIES LTD., THE.—Regd. Office: Hira House, 14, Bhajipala Street, Bombay 3. Manufacturers of "Sunny" Brand Soaps and Cooking Oils.

Hutchison, J. & R., Ltd.—221, Frere Road, Fort.

INA Soap Powder

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FOR ALL CONCEIVABLE
WASHING PURPOSES IN
THE HOME & THE INDUSTRY!

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INDIA LABORATORY PRODUCTS CO.

Office Address: AGAKHAN BUILDING,

9, Dalal Street, BOMBAY 1.

Factory Address: 2-4, 3rd Cross Lane, Sankli Street,
Byculla, BOMBAY 8.

Kosma Laboratories.—Allahabad Bank Building, Apollo Street, Fort.

Lachhmandas & Co.—21, Chinch Bunder, Bombay 9.

Lever Brothers (India), Ltd.—Sewri, Bombay.

Mehta Soap Works.—118-D, Valpakhadi, Mazagaon Road, Bombay 9.

Mira Chemical Works.—Chinchpokli Cross Lane, Parel.

Morgan Miller & Co.—219, Frere Road, Bombay.

Nagree Ltd.—Nagree Building, 50, Custom House Road, Fort.

Soap Manufacturers.

Nurani Soap Factory.—Mirza Ali Street, Immamwada Road, Jail Road North, Bombay 9.

Patang Brand Soap Factory.—380, Shankarset Bungalow, Girgaum Road.
 Patanwala. Ltd.—182-84, Abdul Rehman Street.
 Pearl Products Co., Ltd.—9, Kurla-Kiroi Industrial Area, New Agra Road, Kurla.
 Saraf Oil Mills Co., Ltd.—325, Kalbadevi Road, Bombay 2.
 Scientific Soap Works.—Hargovind Desai's Wadi, Bhuleshwar.
 Simplex Chemical Co.—103-C, Chhaktewadi, Tardeo.
 Tata Oil Mills Co., Ltd.—Bombay House, Bruce Street, Fort.

SOAP MACHINERY MFRS. AND IMPORTERS

Larsen & Toubro Ltd.—J. K. Building, Dougall Road, Ballard Estate, Fort.
 Parekh Bros., Ltd.—65, Mahatma Gandhi Road, Fort.

SOUND RECORDING EQUIPMENT

Ama Ltd.—Hornby Road, Fort, Bombay.
 Chicago Radio & Telephone Co. Ltd.—127, Mahatma Gandhi Road, Fort.
 General Radio and Appliances Ltd.—16, New Queen's Road, Bombay 4.
 National Education and Information Films Ltd.—National House, Tulloch Road, Apollo Bunder, Bombay.—(Grams: "Edufilms.")
 Magnetic Tape Sound Recording Machines.
 Patel (India) Ltd.—Kitab Mahal, Hornby Road, Fort, Bombay.

SPECIAL STEEL

GAYTEE & COMPANY.—Jannabhoori Chambers, Fort Street, Fort, Bombay. Grams: "IMPENG." Phone: 32449.

SPICES AND ASAFOETIDA

Adam Haji Peermahomed Essack.—Ahmed Devji Building, Mahomedalli Road.
 ALL INDIA HERB SUPPLY CO., LTD.—Gaumukh Bhuvan, Masjid Bridge, P.O. Box 5041, Bombay 9. Phone: 28960. Grams: "LIQUORICE."
 Asher & Company.—Vadgadi, Bombay 3.
 Asian Trading Corporation.—P.O. Box No. 1505, 20, Mangesh Street, Bombay 1.
 Assars Syndicate.—83-85, Kazi Sayed Street, Bombay 9.
 Bashir, S. M., & Bros.—Bachooali House, Haji Bachooali Road.
 Bhanushall Brothers Ltd.—Bhanushall Chambers, 168, Argyle Road, Bombay 9.
 Bombay Hing Supply Co.—Hansraj Karamal Building, 66, Masjid Bunder Road.
 Bombay Trading Co.—Dhun-Nur, Sir Phirozshah Mehta Road, Fort.
 Bulchand Co., L.—Moos Building, 510, Kalbadevi Road.
 Central Trading Co.—81, Cawasji Patel Street, Fort.
 Champaklal Morarij & Co.—193, Samuel Street, Vadgadi, Bombay 9.
 Damji Mavji & Co.—177, Khoja Gull, Mandvi, Bombay 9.
 Dinshaw, V. N., & Co.—84, New Barden Gali, Vadgadi, Bombay 3.
 Dubash Freres & Co.—Victoria Building, Parsi Bazar Street, Fort.
 Ebrahim Manji & Co.—49, Pydhownie Road, Khadak, Bombay 9.
 Fruit Farm Products.—Byramji Mansions, Sir Phirozshah Mehta Road, Fort.
 Gandhi Sons Ltd.—232, Samuel Street, Vadgadi.
 Gopaljee & Co.—218, Samuel Street, Vadgadi.
 Gorakhrum Gokalchand (Estd. 1891).—Chokal Chambers, Zaveri Bazar, Bombay 2.
 GOVINDJI PADAMSHI.—317, Narsi Natha Street, Kharak Bazar, Mandvi, Bombay 9. Phone: 25709. Grams: "KATHAWALA." Dealers in Black Pepper, Ginger, Turmeric, Cinnamonflowers, Cassia, Cloves, etc.
 Govindji Ratanji.—84, Mirchi Street, Vadgadi.
 Gulabchand Nathalal & Co.—45, Mirchi Lane, Bombay 3.
 Gulam Husein M. Hasanalli.—85/1, Sarang Street, Bombay 3.
 Gulam Rasul Allahbux.—1-B, Bachoo Ali House, Nowroji Hill Road No. 1, Bombay No. 9.
 Hashambhoy Aloo Mahomed & Son.—Dostmahomed Building, Nishanpada Road, Khadak, Bombay 9.
 Hemani Bros.—Wassalamull Building, Grant Road.
 Husein Mussa Virjee & Co.—Sheriff Hasam Building, Khoja Mohalla, Bombay 9.
 Jehangir C. Masalawalla.—C. P. Tank Bus Stand, Vithalbhaji Patel Road.
 Jehangir J. M. Poonjajee.—Byramjee Mansion, Sir Phirozshah Mehta Road, Fort.
 Kanji Morarij.—285-87, Narsi Natha Street, Bombay 9.

Khaney (India) Ltd.—Dhanukar Building, New Silk Bazar, Bombay 2.

Kikabhai Gulamhusen.—210, Samuel Street, Vadgadi, Mandvi.
 Kishinchand & Co. (India).—138, Hornby Road, Fort.
 Lakhmichand Vasanji & Co.—229, Samuel Street, Vadgadi.
 Laljee Godhu & Co.—213, Samuel Street, Vadgadi.

MANEKJI NENSEY & CO.—Grain, Seed and Spices Merchants, 172-186, Argyle Road, Bombay 9. Phone: 24318. Grams: "MANEKJIRAJ."

Merwanjee Poonjajee & Sons.—Prince's Dock, Frere Road.
 M. Daldas & Sons.—190, Princess Street.
 Milkhiram (India) Ltd.—Waterloo Mansion, Wodehouse Road, Fort.
 Mineral Ores and Industrial Corporation.—7-10, Botawala Building, Elphinstone Circle, Bombay 1.

Mullick, M. A., & Co.—91, Mahomedalli Road, P.O. Box No. 3003, Bombay 3.

Naranias Kesuridas & Sons.—222-24, Vadgadi.
 Narotamdas Harivallabhdas.—80, Khand Bazar, Mandvi.
 New India Hing Supplying Co.—215-217, Samuel Street.
 Pavri, J. K.—10, Karim Chambers, Hamam Street, Fort.
 Premji Haridas & Co.—Bhanusall Building, 168, Argyle Road, Bombay 9.

Ram Agency.—200, Kazi Sayad Street, Bombay 9.
 Ratanshi Assaria & Co.—240-42, Narsi Natha Street, Katha Bazar, Bombay 9.

Singham, Bros. & Co. (India) Ltd.—P.O. Box 894, Bell Building, Sir Phirozshah Mehta Road, Fort.

S. Manubhai & Co.—Albert Building, 346, Hornby Road, Fort.
 Somnath Motiram.—306, Kharak Bazar, Bombay 9.
 Sudan Trading Co.—Dhun-Nur, Sir Phirozshah Mehta Road, Fort.
 Tarachand Furram.—Court House, Carnac Road, Bombay 2.
 Tarasigh Harbindersingh.—P. O. Box 6456, Bombay 16.

VALABHDAS TEJPAL.—219, Vadgadi, Bombay 3. Phone: 71878. Grams: "BATTLEMENT."

Variljwandas Hirjee & Co.—240, Samuel Street, Vadgadi.
 Vasantlal Vadlal & Co.—215-17, Samuel Street, Vadgadi, Bombay 3.
 Velji Kallidas & Son.—90-92, Khand Bazar, Mandvi, Bombay 3.
 Vikram Padamsey & Co.—Rustom Building, Vir Nariman Street, Fort.

Waghji Lakhmidas & Co.—206, Samuel Street, Vadgadi.
 Y. K. Sampat & Co.—382-84, Katha Bazar, Bombay 9.

SPORTS GOODS MANUFACTURERS AND DEALERS

ALFA SPORTS.—Metro House, Dhobi Talao, Bombay 1. Phone: 27549. Grams: "ALFASPORTS." Sports Specialists. Dealers in E.P.N.S. Cups, Presentation Articles, Tennis, Badminton, Hockey, Cricket and Volley Ball, Gear available. Imported Swimming Costumes of all Sizes. Customers' Orders supplied at their door, or by V.P. Post.

Arty Toys—Gamadia Colony, Tardeo, Bombay
 Asian Trading Corporation.—P. O. Box No. 1505, 20, Mangesh Street, Bombay 1.

BOMBAY SPORTS.—Dhobi Talao, Bombay 2. Office at: New Delhi. Dealers in Sport and Educational Toys.

Bombay Sports Depot.—Jer Mahal Estate, Dhobi Talao.
 Bruno Braganza & Co.—53, Gokhale Road (North), Dadar. Sports, Games and Carnival Lines.

D. D. SHARMA & CO.—Dhobi Talao Junction, Fort, Bombay 1. Grams: "INDOORGAME." Phone: 31623. Manufacturers, Importers and Exporters of High Class Sporting Goods. Bankers: Grindlay's Bank Ltd. Sole Distributors for "Test" Cricket Balls and Sharma's "TOURNAMENT" Shuttlecocks. By appointment to General K. M. Cariappa, the C-in-C. (India) Army. Sole Prop.: D. N. Mehta, Lieut. T.A.

DIANA TRADERS LTD.—Dhobi Talao, Bombay 2. Sports Specialists and Manufacturers of E.P.N.S. and Silver Cups and Presentation Articles. Phone: 28368. Grams: "DIANAPLAY."

Jhaveri Bros. & Co. (Estd. 1914).—345, Abdul Rehman Street, near Crawford Market.

Jhaveri Sports & Gifts.—Jer Mahal, Dhobi Talao, Bombay 2.
 Kapur, A. N., & Co.—Court House, Dhobi Talao, Bombay 2.
 Mahomedally Noorbhoy.—244-246, Abdul Rehman, Street.
 Marine Sports.—101, 1st Marine Street, Bombay 2.
 Nadkarni & Co.—Ava Chambers, next to Metro Cinema, Dhobi Talao.

NEW INDIA ARMS & AMMUNITION STORES.—C/o Evans Fraser & Co. (India) Ltd., Fort House, Hornby Road, Fort, Bombay 1. P. B. No. 781.

New India Toys & Novelties.—581, Jamshed Road, Bombay 19.
 Pioneer Sports, Ltd.—Dhobi Talao, Bombay 2.

Plastics (Bombay) Limited.—9, Manekia Chambers, First Marine Street, opp. Metro Cinema, Bombay 2.

United Importers Corporation. Mistry Estate, 15/2, Palton Road, Bombay 1. Importers, Wholesalers and Factors of all Toys, Games and Sports. Manufacturers of 'United' Educational Toys. Sole Agents in India for Meccano Sets and Hornby Trains. "Bayko" Plastic Building Sets, Hobbies "Fretwork" Sets and other Novelty Toys.

Universal Trading & Manufacturing Co.—23, Jamshed Feroze Mahal, Ibrahim Rahimtoola Road, Bombay 3.

Wagle & Co.—Opp. St. Xavier's High School, 290, Carnac Road, Dhobi Talao.

SPRAY PAINTERS

Mistry Motor Body Builders.—167, Tardeo, Bombay 7.

Moussell & Company, Ltd.—Lotus Building, Marine Lines, Bombay.

Royal Auto Works.—Tanker Ville Estate, 200, Gowalla Tank Road, Bombay 26.

Sam Ruston & Company.—31-33, Mangalore Street, Ballard Estate.

STAINLESS STEEL UTENSILS MANUFACTURERS & DEALERS

Bombay Steel Corporation.—241, Kumbharwada, opp 2nd Sutar Lane, Bombay 4.

CAPTAIN LTD.—Empire Building, Hornby Road, Fort. Manufacturers of Stainless Steel Utensils and Wares. Phone: 23114. Grams: "PENHOUSE."

Deepak Industrial & Engineering Corporation. 16, Bank Street, Fort.

Doshi Bros. (Bombay).—204, Hornby Road, Fort.

GREAT WESTERN ENGINEERING WORKS.—Sea View, 1st Fanta Lane, Colaba, Bombay 5. Phone: 36016. Grams: "GREWENWORK". Structural & Mechanical Engineers & Contractors.

Hindustan Fabrics & Stores Ltd.—Foolchand Nivas, Chowpatty Sea Face, Bombay 7.

LALLUBHAI AMICHAND LTD.—Proprietors: Dhan Aluminium Factory, 225-227, Tardeo Road, Bombay 7. Manufacturers of all Non-Ferrous Metal Wares and Articles. Phones: 41610 and 73220. Grams: "CYCLEBRAND."

Metal Industries.—163, Narayan Dhuru Street, Bombay 3.

Metro Industrial and Manufacturing Co.—Hari Har Nivas, Khetwadi 3rd Lane, Sandhurst Road, Bombay 4.

Mosasa Bess & Co.—Maniar Building, 6, Abdul Rehman Street, Bombay 3.

ORIENTAL METAL PRESSING WORKS.—Behind Post office, Worli, Bombay 16. Phone: 73461 (3 Lines). Grams: "HOLLOWWARE." Manufacturers of Famous "Silver" Brand Household Articles and "Eagle" Brand Hospitalware.

Sivramakrishnan, M.—Hasi Mannil, 82-86, Abdul Rehman Street, Bombay 3.

Steel Industrial Corporation of Bombay.—39, 2nd Carpenter Street, Bombay 4.

STAMP DEALERS

Obhotakazi Hasanali Hajee Goolamhusein.—2, Habib Building 2nd Floor, Pallagully, Dongri Street, Bombay 9.

COOPER, JAL, F.R.G.S.—Standard Building, Hornby Road, Fort. Tel. 31971. Dealers in British Colonial Stamps, Philatelic Auctioneer and Valuer. Editor and Publisher, "India's Stamp Journal."

FEDERAL STAMP CO.—42, Churchgate Street, Fort, Bombay 1. Specialising in G.V.I. Latest POSTWAYS 36 pages of sets, Singles, Packets 12 as.

Imperial Stamp Mart.—C/o Wahid Watch Co, Abubaker Mansion, Causeway.

Oriental Collectors' Club.—42, Churchgate Street, Fort.

PHILATELIC ORIENT.—Kodak House, Hornby Road, Fort. Stamps, Albums, etc.

STARCH

Chemautex.—11, Bank Street, Fort.

Din Products Ltd.—219, Frere Road, opp. G.P.O., Fort, Bombay 1.

STATE JEWELLERS

CHIMANLAL MANCHAND & CO.—Leading State Jewellers, under Special Appointment to Baroda, Jaipur, Jodhpur, Cooch-Bihar, Palanpur, Jubbai and Indore States. Show Room:—Opp. Opera House, New Queen's Road, Fort. Phone: 30321. Grams: "PLATINUM."

Jhaveri Bros. & Co. (Estd. 1914).—345, Abdul Rehman Street, near Crawford Market Bombay.

Nanubhai Jewellers.—115, Mahatma Gandhi Road, Fort.

Narotamdas Bhau (Estd. 1864).—Lamington Road.

Pursam, S. N.—55-A, Vir Nariman Street, Fort. Phone: 22630. Grams: "Gemexpert"

SEHWAKRAM & SONS (JEWELLERS).—Prospect Chambers, 315-317, Hornby Road, Fort. Phone: 23517. Grams: "CLUSTER."

STATIONERS

Ahmed, H., & Co.—139, Nagdevi Street.

All India Trading Corporation.—25, Bank Street, Fort. Grams: "Autoglass." Agents for Palsa Fund Stationery Products.

Amrut Trading Co.—44, Kumar Vilas, Mangalwadi, Girgaum, P.O. Box 3618, Bombay.

Army and Navy Stores Ltd.—Mahatma Gandhi Road.

Arty Toys.—Ganadilla Colony, Tardeo, Bombay 7.

Asian Trading Corp.—P.O. Box 1505, 20, Mungeah Street, Bombay 1. Associated Agencies (Bombay)—47, Podar Chambers, Parsi Bazar Street, Fort.

Bashir, S. M., & Bros.—Bachooali House, Haji Bachooali Road.

Bhagwandas Chhatrabhai & Co.—20, Hamam Street, Fort.

Bharat (Sales) Limited.—People's Building, Sir Phirozshah Mehta Road, Fort.

Blascheck, H., & Co.—Dadyath House, 44, Cawasji Patel Street, Fort.

B. N. MEHRA & CO.—Importers, 211, Abdul Rehman Street, Bombay. Partners: Amarnath Mehra and Ramnath Mehra. Phone: 26192. Grams: "CLIPA."

Bombay Book Depot.—217, Charni Road, P. O. Girgaum, Bombay 4. Bombay Importing Agency.—75, Sarang Street, Bombay 3.

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NO BRANCHES

Bombay Stationery Stores.—213-217, Abdul Rehman Street, Bombay 3.

BOMBAY TRADING COMPANY.—Ismael Building, 2nd Floor, Hornby Road, Fort, Bombay. Grams: "IN STOCK."

Bombay Trading Co.—Dhun-Nur, Sir Phirozshah Mehta Road, Fort.

BRIGHT BROS., LTD.—156-A, Tardeo Road, Bombay 7. Phone: 41699. Grams: "ERIBOS." Plastic Stationery Articles like Desk Calendars, Memo Pads, Calendars, etc.

Cama, Norton & Co.—23, Meadows Street, Fort.

Camlin Limited.—210, Ram Baug, Lady Jamahetji Road, Bombay 28.

CASLON STATIONERY MART (std. 1921).—Readymoney Mansion, Churchgate Street, Fort. Stationery, Printers, Binders, Engravers, Die-sinkers, Copper Plate Printers, Rubber Stamp Manufacturers, Importers of and Dealers in High Class Stationery, Fancy Leather Goods, Presentation Articles, Fountain Pens, Pencils, etc. Reputation for Economy, Service and Quality. Prop.: Sydney J. D'Mello. Phone: 24630. Grams: "CASLON."

Central Stationery Mart.—15, Bruce Street, Fort.

Chalasani & Co.—"A" 8, Noble Chambers, Parsi Bazar Street, Fort.

CHAMPKAL & CO.—195-7, Abdul Rehman Street, Bombay 3.

Cheap Stationery Mart (R. M. Kambatawala).—202-24, Abdul Rehman Street, Bombay 3.

CHHAGANLAL KESHAVJEE (Estd. 1913).—Stationers, Printers and Paper Merchants, 22A, Parsee Bazar Street, Fort. Phone: 23008. Grams: "STAPRI."

City Stationery Stores.—Gool Mansion, Store Lane, Parsi Bazar Street, Fort, Bombay.

CLARIDGE, G., & CO. LTD.—Caxton House, Frere Road, Fort, Bombay 1. Phone: 30801 (2 lines). Grams: "BRAD."

COMMERCIAL STATIONERY & PRINTING MART, THE.—18-20, Cawasji Patel Street, Fort. Phone: 23895. Grams: "NOSHIR."

Crystal Stationery Mart.—109, Dhanji Street, Bombay 3.

Derlip Stationery Mart.—Sadashiv Cross Lane, Kandewadi, Bombay 4.

DICKINSON, JOHN & CO., LTD.—58, Kumbhta Street, Fort. Paper Makers, Manufacturing Stationers and Printing Material Merchants. Phone: 21286. Grams: "LION-BRAND."

D. Jagjivandas & Co.—177, Abdul Rehman Street, Bombay 3.

Dorle Products.—61, Bombay Mutual Building, Hornby Road, Fort. Edwin & Kayzer.—70-72, Chakla Street, Bombay 3.

Empire Traders.—Stationers, Printers & Paper Suppliers, 18, Hassan Chambers, Parsi Bazar Street, Fort.

Enayatali & Co.—262-64, Abdul Rehman Street, Bombay 3.

EVERGREEN SYNDICATE.—19, Hamam Street, Fort. Stationers, Printers, Typewriter Spare Parts, Paper Merchants and Office Equipment Suppliers. Phone: 22641. Grams: "OVERTRADE."

Federal Book Manufacturing Depot.—23, Parsi Gully, Mirza Street, Bombay 3.

Gandlal & Co.—170, Abdul Rehman Street, Bombay 3.

General Equipment Merchants, Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort.

General Stationery Mart.—36, Dhanji Street, Bombay 3.

Globe Printing Bureau.—2nd Floor, Rehman Building, 24, Churchgate Street, Fort.

Godbole & Co., S. K. 74, Khetwadi 10th Lane, Bombay 4.

Gujarat Stationery Mart.—198, Abdul Rehman Street, Bombay 3.

Gulam Rasul Allahbux.—1/B, Bachooali House, Nowroji Hill Road No. 1, Bombay 9.

Gulamhusain M. Hasanali.—85/1, Sarang Street, Bombay 3.

Halderison & Bros.—154, Bora Bazar Street, Fort.

Haneef, S. M., & Co.—Bachooali House, Haji Bachooali Road, Bombay 8.

Hazex.—335/37, Kalbadevi Road, Bombay 2.

Himalaya Stationery Mart.—Himalaya House, Paltan Road and Hornby Road Junction, Bombay 1.

Hira, P. H., & Co.—18-20, Princess Street.

H. M. Shah & Co.—181, Abdul Rehman Street, Bombay 3.

Hornby Fountain Pen Depot.—204, Hornby Road, Fort.

IMPERIAL STATIONERY CO., THE.—All Chambers, 35, Meadows Street, Fort. Stationers and Printers.

Indian Stationery Service.—7, Prospect Chambers, Hornby Road, Fort.

Indo-Stationery Mart.—Rahimtoola House, Hornji Street, Fort.

International Agencies (Regd.).—28, Apollo Street, Fort, P.O. Box No. 4094, Bombay.

International Paper Company.—26, People's Building, Sir Phirozshah Mehta Road, Fort.

International Stationery Stores.—Victoria Building, Parsee Bazar Street, Fort.

JAGJIVANDAS NANDLAL & CO.—237, Abdul Rehman Street, Bombay.

Jalco Publishing House.—28, Rampart Row, Fort.

Jawahar & Company.—133, Princess Street, Bombay 2.

Jawahar & Co.—Court House, Carnac Road, Bombay 2.

Jivabhoj Latifjee.—Podar Chambers, Parsi Bazar Street.

Joseph Edgar & Co.—Dhun Mahal, Garden Road, Bombay 1.

Kale's Sales Association Limited.—Mherwan Building, Sir Phirozshah Mehta Road, Fort.

Kashyap & Sons, G. S.—40, Prospect Chambers Annexe, Hornby Road, Fort.

Khurya Co., Ltd.—Head Office: Beaumont Chambers, 27/33, Meadows Street, Fort.

Kilburn & Co. Ltd.—Asian Building, Nicol Road, Ballard Estate, Fort.

KOTAK BROTHERS.—Post Box No. 1838, 59, Forbes Street, Fort, Bombay 1. Quality Stationers and General Order Suppliers, Duplicating Papers a Speciality. Representing: The Office Equipment and Stationers Annual of India.

Kothari & Co.—Sambava Chambers, Sir Phirozshah Mehta Road, Fort.

Kothari & Sons.—20, Noble Chambers, Parsi Bazar Street, Fort.

Kulkarni Bros.—388-94, Sheikh Memon Street, Bombay.

KUMAR STATIONERY MART (Estd. 1942).—Podar Chambers, Store Lane, 109, Parsi Bazar Street, Fort. Importers, Stationers, Paper Merchants and Government and Railway Contractors. Phone: 27603. Grams: "TRADEMOTO."

Lalwani Printing Press.—35, Mirza Street, Bombay 3.

Longmans, Green & Co., Ltd.—Vulcan House, 53, Nicol Road, Ballard Estate.

L. R. Trading Co.—Navsari Chambers, opp. Lloyds Bank, Outram Road, Fort.

M. M. Kaderjee & Co.—245, Abdul Rehman Street, Bombay 3.

Macshenoz & Co.—Rahimtoola House, Hornji Street, Bombay 1.

MacMillan & Co., Ltd.—276, Hornby Road.

Mahomedally Hobatbhoy & Co.—15, Mirza Street, Parsi Gully, Bombay.

Mazda Printers.—Next to Bharat Tiles Ltd., 32, Apollo Street, Fort.

Mazumdar & Co.—Opp. Krishna Cinema, Tribhuvan Road, Bombay 4.

Minerwa Stationery Mart.—32, Apollo Street, opp. Allahabad Bank, Fort.

Model Art Printery Ltd.—4, Nanabhai Lane, off Churchgate Street, Fort.

MODEL STATIONERY MART.—Up-to-date Office Aids Suppliers, 44, Cawasji Patel Street, Fort, Bombay. Phone: 21250.

MODERN STATIONERY & PRINTING WORKS.—Proprietors: Nazerhusein Kaderbhai & Co., Bombay Mutual Annexe, 1st Floor, 17, Gunbow Street, Fort. Phone: 21986.

Mohamedali Abdulhusain.—83, Mirza Street, Bombay 3.

Mohamedally Abdullaly.—75-77, Bhusari Moholla, Bombay 3.

NATIONAL STATIONERY STORES.—Stationers, Printers and Government Contractors, Podar Chambers, 23, Parsee Bazar Street, Fort. Phone: 30216. Grams: "SERVYUTRUE."

National Steamship Co.—Bombay Mutual Building, 239, Hornby Road.

National Traders.—Esplanade Mansion, Mahatma Gandhi Road, Fort.

Natwar Trading Co.—395, Kalbadevi Road, Bombay 2.

Navalakhhi & Co., J. V.—Kalbadevi Road, Bombay 2.

New Book Co., Ltd.—Kltab Mahal, 188-190, Hornby Road, Fort.

NEW ERA STATIONERY STORES.—Stationers, Printers and Paper Merchants, 25-B, Parsee Bazar Street, Fort. Phone: 27636. Grams: "PAPERDOM."

New India Stationery Mart.—9, Hummum Street, Fort.

New Popular Book Shop.—Nana's Chowk, Gowalla Tank Road, P.O. Grant Road, Bombay 7.

NOBLE STATIONERY MART.—Parsee Bazar Street, Fort, Bombay 1. Phone: 26148. Grams: "NOBLEPAPER." Importers of all kinds of Stationery and Paper. Manufacturers of Files, Envelopes and Account Books, etc.

Office Equipment Co. of India.—55, Apollo Street, Fort.

Paradise Agency.—75, Abdul Rehman Street, Bombay 3.

Patel, J. M. & Co.—Hassan Chambers, Parsee Bazar Street, Fort. Importers and Wholesalers of all kinds of Stationery. Phone: 27604. Grams: "1 ECHPAPER."

Phillips & Co.—Waterloo Mansion, Mayo Road, Fort.

Pioneer Stationery Mart.—106-108, Cawasji Patel Street, Fort.

Popular Book Depot.—Abid House, Lamington Road.

Progress Office Requisites Co.—345, Kalbadevi Road, Badamwadi, Bombay 2.

P. Vrajilal & Co.—240, Abdul Rehman Street, Bombay 3.

REGAL STATIONERY STORES.—Lentia Chambers, Dalal Street, Fort, Bombay 1. Phone: 31131.

Regent Stationery Stores.—Khodram House, New Parsi Bazar, Fort. Reliable Stationery Mart.—Mherwan Building, Sir Phirozshah Mehta Road.

Reliance Agency, Ltd.—Raja Bahadur Motilal Compound, behind P.O., Apollo Street.

Renown Stationery Stores.—Byramjee Mansion, Sir Phirozshah Mehta Road, Fort.

ROWLANDSON BROS. (Estd. 1927).—109, Parsee Bazar Street, Fort, Bombay 1. Stationers, Printers, Paper Merchants, Dealers in Drawing Materials and Surveying Instruments. Account Book Manufacturers, Engravers, Relief Stampers. Rubber Stamp makers, State and Railway Contractors and General Order Suppliers. Phone: 25597. Grams: "TELLTRUE."

Saifee Book Manufacturing Depot.—72, Abdul Rehman Street, Bombay 3.

Sales Corporation.—11, Tamarind Lane, Fort.

Salebhoj, E., & Co.—19, Mangaldas Road, Princess Street.

Sanghani & Co.—178-80, Abdul Rehman Street.

Saraswathy Stationery Mart.—Police Court Lane, Hornby Road, Fort.

Sayer & Sanghavi.—Kalam Kutir, 211-19, Frere Road, Fort, Bombay.

Scientific Duplicators Mfg. Co.—150, Abdul Rehman Street, Bombay 8.

Sheares, H. A., & Co.—30, Western India House, Sir Phirozshah Mehta Road, Fort.

Shreeman & Co.—Podar Chambers, 109, Parsi Bazar Street, Fort.

Singon, A., & Co.—11/13, Elphinstone Circle, Fort.

Sivramkrishnan, M.—Hazi Manzil, 82-86, Abdul Rehman Street, Bombay 8.

S. Nagam & Co.—418, Kalbadevi Road.

Social Stationery Mart.—Victoria Building, Parsee Bazar Street, Fort.

SORABJI NOWROJI & CO.—Horniman Circle, Fort.

Standard Mfg. Co.—75-76, Laxmi Building, Sir Phirozshah Mehta Road, Fort.

Standard Stationery Mart.—Rahimtoola House, Hornby Road, Fort.

Stela Equipments.—327, Nawab Building, Hornby Road, Fort.

Stewarts Laboratories.—327, Hornby Road, Fort.

SUPERIOR STATIONERY MART LTD.—117, Meadows Street, Fort. Phone: 24898. Grams: "LOVELINES", Stationers, Printers and Paper Merchants.

Swastik Traders.—282, Pannalal Terraces, Lamington Road, Grant Road.

Taher T. Thingna.—73, Nagdevi Street, Bombay 8.

Taraporevala, D. B., Sons & Co.—210, Hornby Road, Fort.

Taraporevala, Phiroze & Kalkushru, F. D. B.—Kitab Mahal, 188-190, Hornby Road, Fort.

Thacker & Co., Ltd.—Rampart Row, Fort.

"TIMES OF INDIA"—Hornby Road, Fort.

Trading Co., L. R.—Navsari Chambers, opp. Lloyds Bank, Fort.

Triton Trading Co., Ltd.—Menkwa Building, 10, Outram Road, Fort.

Union Printing Works.—Jan Manson, Sir Phirozshah Mehta Road, Fort.

United Commercial Co.—48, Mangaldas Building, 1, Princess Street, Fort.

Universal Stationery Mart.—Podar Chambers, Parsi Bazar Street, Fort.

Universal Stationery Mart.—Graham Building, 109, Parsi Bazar Street, Fort.

Universal Trading Corporation, The.—Usuf Building, Mahatma Gandhi Road, Fort.

Usha Photo Stationers.—10, Topiwala Mansion, Mahomedally Road, Bombay 8.

Venus Stationery Co.—Hasan Chambers, Fort.

Vithaldas, G., & Co.—60, Nagdevi Cross Lane.

V. Prabha & Co.—476, Sandhurst Road, Bombay 4.

Young India Stationery Mart.—43, Ghoga Street, Fort.

STEAM TRAPS

KILBURN & CO., LTD.—Asian Building, Ballard Estate, Bombay. Phone: 31908. Grams: "TASCONIUM."

STEAMSHIP COMPANIES

Anchor Line Ltd.—Neville House, Graham Road, Ballard Estate.

Bombay Steam Navigation Co., Ltd.—Sciadia House, Dougall Road, Ballard Estate.

EAST ASIATIC COMPANY (INDIA) LTD.—Wavell House, Graham Road, Ballard Estate. Phone: 30995.

Killick Nixon & Co.—Killick Building, Home Street, Fort.

Mackinnon Mackenzie & Co.—Ballard Road, Ballard Estate.

Malabar Steamship Co., Ltd.—Bombay Mutual Building, 293, Hornby Road, Bombay 1.

National Steamship Co.—Bombay Mutual Building, 230, Hornby Road, Fort.

New Dholera Shipping & Trading Co. Ltd.—Bombay Mutual Building, 293, Hornby Road, Bombay 1.

STEEL

THE STAHLUNION COMPANY LIMITED.—India House, 4th Floor, Fort Street, Bombay 1. Telegraphic Address: "MARCASTEEL," Bombay. Steel Materials and Products of all kinds. Branch Offices: Calcutta, Delhi.

STEEL MERCHANTS

Dodda Limited.—31, Murzban Road, Fort, Bombay. Representatives of Mannesmann—Export G.m.b.H., Germany.

MACHINE TOOLS & IMPLEMENTS.—Advani Chambers, Sir Phirozshah Mehta Road, Fort. Phone: 28668. Grams: "MATCHTOOLS," Branch: 24, Nagdevi Cross Road, Bombay 3.

STEEL CHAIN MFRS.

ASHOK STEEL CHAIN MANUFACTURING CO.—Office and Works: Plot No. 6, Sewree Cross Road, Bombay 18. Phone: 62961. Grams: "SEWREEIRON."

STEVEDORES AND DUBASHES

Adamally Sons Ltd.—277, Nagdevi Street, Bombay 8.

ARDESHIR B. CURSETJEE & SONS LTD.—6, Rampart Row, Fort. Phone: 20103 and 28843. Grams: "GREYHOUND."

Bomanji Dhunjibhoy.—17, Murzban Road, Fort, Bombay.

CASSINATE M. B. EDULJEE SONS.—17-19, Easton Road, Fort. Phone: 20387.

Chokshi, H., & Co.—106, Meadows Street, Fort.

Cowasjee Eduljee's Sons.—Elphinstone Circle, Fort.

Darashaw B. Cursetjee's Sons.—Darabshaw House, Ballard Road.

Eastern Bunkers, Ltd.—Scindia House, Dougall Road, Ballard Estate.

Eastern Bunkers (Burma) Ltd.—Scindia House, Dougall Road, Ballard Estate.

Ferns Ships Supply Company.—Post Box No. 1508, Wakefield House, Ballard Estate, Bombay 1.

Hill, Son & Knox.—Marshall's Building, Ballard Road.

Hill, Son & Dinshaw Ltd.—Marshall's Bldg., Ballard Road, Bombay 1.

Kanjil Jadhavji & Co.—Masjid Bridge, Mandvi.

Maneckji & Jamshedji Company.—Ahmed Building, Gunpowder Road, Mazagaon Tram Terminus, Bombay 10.

Manuel, A., & Co.—Haroon House, Bazar Gate Street, Fort.

NAROTTAM & PEREIRA, LTD.—Scindia House, Dougall Road, Ballard Estate. Phone: 30087. Grams: "JALATHARG."

Patel, D. C., & Co.—268, Bazar Gate Street, Fort.

Pureshotamdas Madhavani & Co. Ltd.—Regd. Office: Botawalla Building, 8, Horniman Circle, P.O. Box No. 274, Bombay.

Royal Express Agency.—247, Nagdevi Street, Bombay 3.

Ruttonjee Bomanjee & Co.—60, Forbes Street.

S. DALAL & CO.—1/5, Thacoamal House, Banarjee Street, Fort, Bombay. Suppliers of Soaps, Provisions, etc. Enquiries invited.

Sharp, R., & Sons.—Kaiser-i-Hind Building, Ballard Estate.

Shivax C. Cambata & Co., Ltd.—Cambata Building, 101, Queen's Road, Back Bay Reclamation.

Sorabji Pestonji & Co.—105, Apollo Street, Fort.

Tookaram Hariba & Sons, R. H.—Badguru Sadan, 15, Babulnath Road, Bombay 7.

United India Marine & Trading Co.—Nagindas Chambers, Frere Road, Bombay.

STONEWARE PIPES AND FITTINGS

NOWROJI N. VAKIL & CO.—Shahru Castle, Mahomedalli Road, Bombay No. 3. Head Office & Factory at: Nareda Road, Ahmedabad. Manufacturers of Stoneware, Drainage Pipes and Fittings, Fire Bricks & Clay & Crockery. Tel. No. 22803.

Salemahomed Padamsee & Co.—141, Chakia Street, Bombay 8.

United Potteries & Glassware Mart.—Noble Chambers, Parsi Bazar Street, Fort.

Victoria Sanitary Stores.—54, 3rd Bholwada, Bhuleshwar, Bombay 2.

STRAW-BOARDS

Abdullahbhai Fidally & Co.—24, Sutar Chawl, Bombay 2.

Advani, J. B., & Co. Ltd.—Advani Chambers, Sir Phirozshah Mehta Road, Fort.

Ambalal Dharamchand & Co.—1, Esaji Street, Vadgadi, Bombay 3.

Ashok Brothers Ltd.—Mubarak Manzil, 104, Apollo Street, Fort.

Bansal Dhar Kapoor & Sons.—73-75, Mirza Street, 3rd Floor, Bombay 3.

B. N. Trivedi & Co.—13, Hamam Street, Fort.

Blascheck, H., & Co.—Dadyath House, opp. Hongkong Bank, Fort.

Bombay Paper Marketing Co.—Podar Chambers, Parsi Bazar Street, Fort.

Chemastex.—11, Bank Street, Fort.

Halldcastle, Waud & Co., Ltd.—Alice Building, Hornby Road, Fort.

Hitchman, George F.—Waterloo Mansions, opp. Museum, Mahatma Gandhi Road, Bombay.

India Paper Corporation.—64, Sutar Chawl, Bombay 2.

International Paper Co.—26, People's Bldg., Sir Phirozshah Mehta Road, Fort.

Javeri Traders.—P.O. Box No. 1977, 84, Cawasji Patel Street, Fort.

Jayantilal J. Gandhi & Co.—45, Mint Road, near G. P. O., Fort.

Kanthawala, N., & Co.—77, Meadows Street, Fort.

Kikabhoj Chaudabhai.—33-35, Mangaldas Road, Bombay 2.

Mansukhlal Sukhlal & Co.—Ghoga Street, Fort.
Mahomedally Hebbathbhoi & Co.—15, Mirza Street, Bombay 3.
Nayans (India).—Agakhan Building, Dalal Street, Fort.
Patel, B. K., & Co.—106, Medows Street, Fort.
Prabhat Trading Company.—Vithal Sayana Building No. 2, Lohar Chawl, Bombay 2.
Paramount Traders.—Bhagwan Bhuvan, 61, Tejpal Road, Ville Parle (East), Bombay 24. Grams: "UNDISHKRI". Indentors and Commission Agents.
Rajasthan Trading Co.—Podar Chambers, Parsi Bazar Street, Fort.
Sales Corporation.—11, Tamarind Lane, Fort.
Shantlal Shah & Co.—Bombay Mutual Annexe, 17, Gunbow Street, Fort.
Sivramakrishnan, M.—Hazi Manzil, 82-86, Abdul Rehman Street, Bombay 3.
United Import Co., The.—67-69, Mahomedalli Road.
Universal Import & Export Agency.—82, Shri Krishna Nivas, New Silk Bazar, Kalbadevi Road, Bombay 2.
Universal Trading Corporation, The.—43, Mahatma Gandhi Road, Fort.
Yeshanand & Co.—Grahams Building, Parsi Bazar Street, Fort.

STRUCTURAL ENGINEERS & CONTRACTORS

ALCOCK, ASHDOWN & CO., LTD.—Marine Civil Structural Engineers and Contractors. Defence Works—Mazagaon, Bombay 10. Phones: 42015 (Works); 26561 (Office). Grams: "MORRISONS." Managing Agents: Turner, Morrison & Co., Ltd., 16, Bank Street, Fort, Bombay.
STEEL INDUSTRIES OF HINDUSTAN LTD.—Magazine Street, Darukhana, Bombay 10. Phone: 73896. Grams: "FERRO-TYPES."
SAURASHTRA ENGINEERING CORPORATION LTD.—Janmabhoomi Chambers, Fort Street, Bombay 1. Phones: Office: 22866. Factory: 87039. Grams: "SINSANATY."
WESTERN INDIA ENGINEERING CO., THE.—Signal Hill Avenue, Sewri, Bombay 18. Structural Engineers and Contractors, Electrical and Gas Welders, Machinery Manufacturers, Tank Manufacturers and Sugar and Oil Mill Machinery Specialists.

STUDIO EQUIPMENT IMPORTERS

Craftsman Electronic Corporation Ltd.—Navsari Bldg, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.
Patel India Ltd.—190, Hornby Road, Fort.
WESTREX COMPANY, INDIA (FORMERLY WESTERN ELECTRIC COMPANY OF INDIA).—Metro House, Mahatma Gandhi Road, P.O. Box 1232, Bombay 1. Phones: 33439 & 34027. Grams: "WESTELIND."

SUGAR MERCHANTS

Abdul Latif Haji Tayeb Khandwala.—116, Chakia Street.
Adam Haji Peermahomed Kesack.—Ahmed Devji Building, Mahomedally Road.
Bhiwantiwalla, A. H., & Co.—93/95, Kazi Syed Street, Khand Bazar.
Hindustan Sugar Mills, Ltd.—Jehangir Wadia Building, 51, Mahatma Gandhi Road, Fort.
Jagdeoshanker Sharma.—Hamat Building, New Parbhadevi Road.
Kikabhai Gulamhusen.—210, Samuel Street, Vadgadi.
Kilachand Devchand & Co., Ltd.—45-47, Apollo Street, Fort.
Kooverji Becharlal.—350-354, Narshi Natha Street, Bombay 9.
Louis Dreyfus & Co.—Nicol Road, Ballard Estate.
Pairstingh Balkishan.—79, Khand Bazar, Bombay 3.
Parekh & Co.—York Building, Hornby Road, Fort.
Pararam Parumal & Co.—104-114, Frere Road, Bombay 9.
Patel Bros.—531, Cheera Bazar.
Pavri Sons & Co.—93-97, Bazar Gate Street, Fort.
Sankalchand G. Shah & Co.—93, Kazi Syed Street, Khand Bazar.
Sobhashchand Ramnarayan Khatod.—Graham Building, Mahatma Gandhi Road, Fort.
Sugar Merchants' Association.—200, Kazi Syed Street, Bombay 3.
Sugar Shippers & Buyers' Association.—General Assurance Co. Building, Hornby Road, Fort.
Vasantlal Vadilal & Co.—215-17, Samuel Street, Vadgadi.
Western Manufacturing Co.—Hassan Chambers, Parsee Bazar Street, Fort.
Yuvak Stores, Shri.—339-A, New Hanuman Lane, Kalbadevi Road.

SUGAR MILL MACHINERY & OTHER REQUIREMENTS SUPPLIERS

ABDEALLY, B. M. & CO.—127, Sarang Street, Bombay 3. Phone: 31790.

Asian Textile Engineering Corporation.—Kermani Building, Sir Phirozshah Mehta Road, Fort.
Biddle Sawyer & Co. (India) Ltd.—25, Dalal Street, Fort.
C. Patel & Co.—70, Podar Chambers, Fort.
Champion Trades Corporation.—9-13, Dalal Street, Fort.
Craftsman Electronic Corporation Ltd.—Navsari Bldg., 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.
EXCELLENT ENGINEERING CO.—11, Betawala Bldg., Elphinstone Circle, Fort. Grams: "HARIKRIPPA." Phone: 26601. Importers, Exporters, Commission Agents and Manufacturers' Representatives.
Kesar Sugar Works Ltd.—45/47, Apollo Street, Fort.
NATIONAL HARDWARE & STORES SUPPLY CO.—Post Box 3146, Bombay 3. Phone: 33462. Grams: "REQUISITES."
P. Ratilal & Co.—43, Dhanji Street, Bombay 3.
RAJ-DER-KAR & CO.—Commissariat Building, Hornby Road, Fort. For Research Industries. Phone: 27304.
Rustomji Nowroji Bapasola (Estd. 1909).—82, Forbes Street, Fort.
Todi & Co.—41, Hamam Street, Fort.
Vasi Shums & Co., Ltd.—185-87, Nagdevi Street, Bombay 3.
Western India Engineering Co.—Signal Hill Avenue, Sewree, Bombay 15.
Western Manufacturing Co.—Hassan Chambers, Parsi Bazar Street, P.O. Box No. 1230, Fort.

SUGAR MILLS

Brady, W. H., & Co. Ltd.—Royal Assurance Building, Churchgate Street, Fort.
Craftsman Electronic Corporation Ltd.—Navsari Bldg, 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10. Suppliers of Instruments for
GODAVARI SUGAR MILLS, LTD., THE.—Fazalbhoy Building, Mahatma Gandhi Road, Fort, Bombay. Phone: 31921.
Hindustan Sugar Mills Ltd.—51, Mahatma Gandhi Road, Fort.
Sepulchre Brothers (India) Ltd.—Taj Building, 210, Hornby Road

SUNDRIES

Abdulla A. Baker & Co.—89, Bhajipala Street, Bombay 3.
Allabux, M., & Co.—Cawasji Patel Street, Fort.
Bhukhvala & Sons.—Medows House, Medows Street, Fort.
Blascheck, H., & Co.—Opp Hongkong Bank, Fort.
Cawnpore Mills Depot.—Churchgate Street, Fort.
Central Trading Co.—91, Cawasji Patel Street.
Chavannes & Co., Ltd.—Mercantile Chambers, Graham Road, Ballard Estate.
Chimanlal Desai & Co.—Gool Mansion, Homji Street, Fort.
Chunilal Prabhudas & Co.—Mulchand Mansion, Princess Street.
Colaba Drug Stores.—Kamdar Manzil, Colaba Road, Bombay 5.
Dawood Haji Nasser & Co.—Maneckia Chambers, 1st Marine Street, Dhobi Talao.
Devidas Nandlal & Co.—241, Abdul Rehman Street, Bombay 3.
Getz Bros. & Co.—Western India House, Sir Phirozshah Mehta Road, Fort.
Haji Moosa Ismail & Sons.—211-217, Nagdevi Street.
Hardcastle, Waud & Co., Ltd.—Alice Building, Hornby Road, Fort.
Holmes & Co., Ltd.—Alice Buildings, Hornby Road, Fort.
Jehangir J. M. Poonjiajee.—Byramjee Mansion, Sir Phirozshah Mehta Road, Fort.
Karimbhai Mohamedally Dohadwala.—Corner of Sutar Chawl & Abdul Rehman Street, Bombay 2.
Kishinchand Cheilaram.—Guzder House, Dhobi Talao, Bombay 2.
Kothari & Sons.—20, Noble Chambers, Parsi Bazar Street, Fort.
L. S. Awatram & Sons.—Moti Mahal, 43, Dhanji Street.
Matani Bros.—84, Mahomedali Road, Bombay 3.
Mulraj G. Dungarsey & Co., Ltd.—21, Forbes Street, Fort.
National Hardware & Stores Supply Co.—30, Khokha Bazar, Sarang Street.
Shivji, K. S., & Co.—144-46, Sheriff Devji Canji Street, Bombay 3.
Teckchand Choitram.—204, Cutlery Bazar.
United Commercial Co.—48, Mangaldas Building, Princess Street.
Utoomal & Assudamal Co.—Bombay Mutual Annexe, Gunbow Street, Fort.
Yacoub Ahmed Brothers.—Topiwala Mansion, Mahomedalli Road.

SURGICAL INSTRUMENT DEALERS AND REPAIRERS

Adair Dutt & Co., Ltd.—Calcutta National Bank Building, Sir Phirozshah Mehta Road, Fort.
All India Surgical Co.—Vallabh Terrace, opp. Dena Bank, 505, Sandhurst Road, Tram Terminus, Bombay 4.
Allen & Hanburys Ltd. (Incorporated in England).—Commissariat Bldg., Hornby Road, Fort.
Alliance Medical Co.—Dwarkanadas Building, 457, Sandhurst Road, Bombay 4.

Asha Scientific Company.—503, Girgaum Road, Bombay 2.
Asian Drug Corporation.—Podar Chambers, Parsi Bazar Street, Fort.
BHATIA SURGICAL WORKS.—199-A, Khetwadi Main Road, Bombay 4. Phone: 41638. Manufacturers of Surgical Instruments.

Bombay Calcutta Surgical Co.—Devkaran Mansion, Princess Street, Bombay 2.

Bombay Surgical Co.—New Charni Road, Bombay No. 4.

B. Parekh & Co.—Anand Bhuvan, 1st Floor, Princess Street, Bombay 2.

Chapman, K., & Co.—Opp. Marwadi Vidyalaya, 402, Sandhurst Road.

Craftsman Electronic Corporation Ltd.—Navsari Bldg., 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.

Croydon Chemical Works Ltd.—2, Poona Street, Frere Road.

Dawawala Brothers. 102, Girgaum Road, Bombay.

DOCTOR AND CO.—Bombay Mutual Terrace, 534, Sandhurst Road, Bombay 7. Grams: "DIATHERMY." Suppliers of Surgical, Scientific, Laboratory, Hospital and Research Equipment and Instruments.

Eyres, E., & Co.—Bellasis Road, Bombay 8.

FAIRDEAL SURGICAL CORPORATION.—106, New Citizen Bank House, Palton Road, Bombay 1. Grams: "FOL-LOWER." Surgical Instruments and Hospital Sundries.

Girdhar Javer & Co.—Devkaran Mansion, Princess Street.

GORDHANDAS DESAI & CO.—Kermani Building, 305, Hornby Road. Grams: "MICROSCOPY." Phone: 24808. Stockists of Surgical, Laboratory, Hospital and Scientific Instruments. Government Medical Stores.—Bellasis Road, Byculla.

IMPERIAL SURGICAL CO.—361, Hornby Road, opp. Oriental Life Assurance Building, Fort. Leading manufacturers of Aseptic Hospital Furniture and Splints. Importers of Surgical Instruments, Hospital Sundries, Catguts and Ligatures, Dental Instruments, Electro-Medical Equipment, Microscopes, Glassware, Enamelware and Rubber Goods, and Laboratory Furnishers. Grams: "IMPSURGO." Phone: 34868. Branches at: Hazratgunj, Lucknow and Patna.

India Syringe Works.—Mangalwadi, Bombay 4. Phone No. 32469.

Jadavjee Goverdhandas & Co.—58-60, Princess Street, Bombay 2.

Jagjivandas & Co.—Princess Street, Bombay.

Jagtiani, J. T.—National House, 6, Tulloch Road, Apollo Bunder, Bombay 1.

Jitendraray & Co.—37-185, Princess Street.

Kapadia Brothers.—Kalau Building No. 3, Kandewadi, Bombay 4.
Lewis, L. & Co.—390, Vithalbhai Patel Road, Bombay 4. Phone: 42709.

Mahomed Husain & Bros.—106, Kansara Chawl, Kalbadevi, Bombay 2.

Malgham Bros.—26, Old Custom House Road, Fort.

Martin & Harris Ltd.—Savoy Chambers, Wallace Street, Fort.

Modern Traders.—Dwarkanadas Mansion (Entrance Benham Hall Lane), 457, Sandhurst Road, Bombay 4.

National Surgical Company.—82, Lohar Chawl.

National Scientific Instruments Co.—257, Frere Road, Fort, Bombay 1.

NATIONAL STEEL EQUIPMENT CO.—Naigaum Road (Near Spring Mills), Dadar, Bombay 14. Phone: 61755. Grams: "BEDLOCKER."

NEW SURGICAL TRADING CO., THE.—Bulakhidas Building, Mangaldas Road, Princess Street, P.O. Box 2321, Bombay 2. Dealers in Surgical Instruments, Sutures & Ligatures, Rubber Goods, Surgical Laboratory Glassware, Enamelled, Ironware, Trusses, Laboratory Porcelainware and Glassware. Tel. No. 26880. Telegrams: "COWORKER."

Patravali, N. P., & Co.—Fort Chambers, Hamam Street, Fort.
Phillips & Co.—Waterloo Mansion, Mayo Road, Chemists and Opticians.

Powells, Ltd.—431, Lamington Road, Bombay.

Prabhuadas & Co.—255-3/4, Mangaldas Building, Mangaldas Road, Bombay 2.

PREM MOTWANI.—70, Ebrahim Mansion, 366/68, Kalbadevi Road, Bombay 2. Importers, Wholesale and Retailers in all Surgical and Hospital Instruments and Appliances. Phone: 40658. Grams: "THROUGHOUT."

Rajni Industrial Corporation.—Kitab Mahal, 192, Hornby Road, Fort.

Reliance Electric & Hardware Stores.—55, Krishna Bhuvan, Lohar Chawl.

RINGS APPLIANCES CORPORATION LTD.—41, Medows Street, Fort, Bombay. Phone: 24465. Manufacturers and Dealers in all kinds of Electrical and Surgical Appliances.

Salomahomed Padamsee & Co.—141, Chackla Street, Bombay 3.

Scientific Apparatus & Chemical Works Ltd.—Krishna Building, Bori Bunder.

Scientific & Industrial Supplies Corporation.—Princess Street, Bombay 2.

Scientific Instrument Co., Ltd., The.—Navsari Building, 240, Hornby Road.

SEAH, M., & CO.—Kanji Mansion, Sandhurst Road, Bombay 4. Thomson & Taylor.—119, Mahatma Gandhi Road.

Unity Stores.—Near Portuguese Church, 92-94, Girgaum Road, Bombay 4.

Universal Supply and Trading Co.—Isamli Building, 381, Hornby Road, Fort.

Unique Trading Corporation.—51-53, New Hanuman Lane, Princess Street, Bombay 2.

Valab & Co., M.—Podar Chambers, Parsee Bazar Street, Fort.

Visso Trading Co.—462, Sandhurst Road.

Western Manufacturing Co.—Hassan Chambers, Parsi Bazar Street, Fort.

Whitten, F. C., & Co.—Commissariat Building, 227, Hornby Road, Fort.

Yacoub Ahmed Brothers.—Topiwala Mansion, Mahomedalli Road.

Zilli & Co.—Princess Street, Bombay 2.

SURVEYING INSTRUMENTS

Bombay Stationery Mart.—Sir Phirozshah Mehta Road, Fort.

Craftsman Electronic Corporation Ltd.—Navsari Bldg., 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.

HECO (INDIA).—1, Home Street, Fort. Phone: 27225 (2 Lines). Grams: "HECOINDIA."

LAWRENCE & MAYO (India) LTD.—274, Hornby Road, Fort.

National Scientific Instruments Co.—257, Fiere Road, Fort, Bombay 1.

NORTON & GREGORY LTD. (London).—Office of the Rep., India and Pakistan, "Commerce House," Currimbhoy Road, Ballard Estate, Bombay.

Pioneer Industries.—21, Forbes Street, P.O. Box No. 1909, Fort, Bombay 1. Phone: 31982. Grams: "PIOMETAL." Agents in India for Messrs. Cooke, Troughton and Sims Ltd.

RAJ-DER-KAR & CO.—Commissariat Building, Hornby Road, Fort. For Research and Industries. Phone: 27304.

TABLET MAKING MACHINES

KILBURN & CO., LTD.—Asian Building, Ballard Estate, Bombay. Phone: 31908. Grams: "TASCONIUM."

TAILORS, OUTFITTERS AND DRESSMAKERS

A. HAJI ESSA & CO.—Eros Cinema Building, opp. Churchgate Station, Fort, Bombay.

Army & Navy Stores Ltd.—Mahatma Gandhi Road.

Beauforts Ltd.—35, Churchgate Street, Fort.

Bhatt, T. B., Co.—G. S. Mhaskar Ltd., Lady Jamshedji Road, Dadar, Bombay 14.

Bhawoo Kassinath & Co.—63, Bhandari Street, near Null Bazar.

Bombay Uniform Clothing Co., The.—15, Borbhat Lane, Girgaum.

Cannpore Mills Depot.—Churchgate House, Churchgate Street, Fort.

Charagh Din & Bros.—Hyder Building, 64, Wedehouse Road.

Charagh Din & Son.—Linden House, Apollo Bunder.

Chellaram, D.—"Dhan-Nur", Sir Phirozshah Mehta Road, Fort.

Coverjee & Co.—Nagin Mahal, Churchgate Reclamation, Fort.

Dean & Sons.—Kulsum Terrace, opp. Cusrow Baug, Colaba.

Dias, A. R., & Bros.—105, Mahatma Gandhi Road, Fort.

Dias & Bros., J.—173, Princess Street.

Dias & Co., A. S.—Commissariat Building, Hornby Road, Fort.

Emdas.—105, Mahatma Gandhi Road, Fort.

Evans, Fraser & Co.—Hornby Road.

Excelsior Drapers, Ltd.—Neptune Building, 170, Hornby Road, Fort.

Issa Bros.—Lakshmi Building, Sir Phirozshah Mehta Road.

LADHABHAI RAVJI & BROS.—Highclass Tailors and Outfitters, 41, Advani Chambers, Sir Phirozshah Mehta Road, Fort. Phone: 27410.

Laffans (India) Ltd.—Rustom Building, Churchgate Street, Fort.

Lal & Co.—Lansdowne Road, Apollo Bunder.

Longi, N. H., & Bros.—Opp. Cyro's Restaurant, 20, Colaba Causeway.

Longi, I. D., & Co.—Waterloo Mansions, Mahatma Gandhi Road, Fort.

Narain & Company.—Opp. Churchgate Station.

NEW LORD & CO.—Royal Terrace, 58, Wedehouse Road, Colaba, Bombay 5.

Oxford Tailors.—Majestic Hotel, Colaba Causeway, Fort.

Robson & Co. (Geo. T.).—141, Mahatma Gandhi Road, Fort.

Shewakram & Sons.—Tailors & Outfitters, 815-317, Prospect Chambers, Hornby Road, Fort.

S. V. Rao & Sons.—Parel, Bombay 12.
Tropical Tailors.—Waterloo Mansion, Wodehouse Road.
UPPALS & COMPANY.—Indian Merchants' Chamber Building,
Churchgate Street Extension, Fort. Phone: 24678. Grams:
"UPPALS CO."
Wasslamull Assomull & Co.—3-A, Churchgate, Fort.

TALLOW IMPORTERS, DEALERS AND MANUFACTURERS

DIN PRODUCTS LTD.—9-A, Ash Lane, off Meadows Street,
Fort, Bombay 1.
General Textile Stores, Ltd.—Beaumont Chambers, 27/33, Meadows
Street, Fort.
Manroe Corporation.—Beaumont Chambers, Meadows Street, Fort.
Pateltz India.—Post Bag 1915, Bombay.
Seth, S. C. & Co., Ltd.—Raja Bahadur Mansion, 14, Hamam Street,
Fort.
Todi & Co.—41, Hamam Street, Fort.

TANK MANUFACTURERS

Balmer Lawrie & Co., Ltd.—5, Graham Road, Ballard Estate, Fort.
Chemautex.—11, Bank Street, Fort.
Electro Engineering Co.—Sea View, 1st Pasta Lane, Colaba.
Garlick & Co.—Haines Road, Jacob Circle.
GREAT WESTERN ENGINEERING WORKS.—Sea View, 1st
Pasta Lane, Colaba, Bombay 5. Phone: 36016. Grams:
"GREWENWORK". Structural & Mechanical Engineers
& Contractors.
Herman & Mohatta Ltd., B. R.—People's Building, Sir Phirozshah
Mehta Road, Fort.
Industrial Machine & Tools Co.—347, Lamington Road, Bombay 7.
Reliance Trading Co.—25-47, Lohar Street, Bombay 2.
Richardson & Cruddas.—Byculla Ironworks, Byculla.
STEEL INDUSTRIES OF HINDUSTAN LTD.—Magazine Street,
Darakhana, Bombay 10. Phone: 73896. Grams: "FERRO-
TYPES."

TANNERS AND TANNERIES

Acme Tanning Co.—Stock Exchange Building, Apollo Street, Fort.
Amalgamated Agencies.—23, Noble Chambers, Parel Bazar Street,
Fort.
Bashir, S. M., & Bros.—Bachooali House, Haji Bachooali Road.
Belting & Leather Products Association (Division of Graton &
Knight Co.).—8, Motilal Street, Jacob Circle.
Craftsman Electronic Corporation Ltd.—Navsari Bldg., 240, Hornby
Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.
Suppliers of Instruments and Chemicals for.
Elgin Leather Wares Ltd.—Nawab Building, 327, Hornby Road,
opp. Thos. Cook.
Fakirmohamed Janmohamed.—Madina Building, Palton Road.
Gulam Rasul Allahbux.—1-B, Bachoo Ali House, Nowroji Hill Road
No. 1, Bombay 9.
Haneef, S. M., & Co.—Bachooali House, Haji Bachooali Road,
Bombay 8.
Lewis & Tylor, Ltd.—Sorab House, 237, Hornby Road.
Noorbhai Jivaji.—Tyebi Manzil, Bhendy Bazar, near Tram Junction.
Universal Tanneries Ltd.—Kala-Killa, Dharavi, Bombay 17.
WESTERN INDIA TANNERIES, LTD.—Dharavi, Bombay 17.
Manufacturers of all kinds of leather used by Civilian and
Textile Industries. Phone: 62841. Grams: "EASTKIP."

TANNING MATERIAL DEALERS AND IMPORTERS

BATLIBOI & CO.—Engineers & Machinery Importers, Head
Office: Forbes Street, Fort, Bombay 1. Phone Nos. 30007-8-9
(Three Lines). Tel. Address: "BATLIBOICO". Branches:
Batliboi House, Nagdevi Cross Lane, Bombay 3. 3-153,
Broadway, Madras; P-34, Mission Row Extension, Calcutta;
55-5, Japan Building, New Chowry, Delhi; 12-5D, Variety
Hall Road, Colimbatore; Reid Road, Ahmedabad. 26-59,
Birhana Road, Kanpur.
Craftsman Electronic Corporation Ltd.—Navsari Bldg., 240, Hornby
Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.
EDGAR HANDLEY & CO., LTD.—135, Meadows Street, Fort,
Bombay. Phones: 22334 and 26884. Grams: "TROJAN."
NORINCO LIMITED.—P.O. Box 871, Bombay 1. Totania
Tanning Extracts. Sole Agents of J. Poulsen & Son, Oslo,
Norway.
Tanning Industries Ltd.—11-B, Noble Chambers, Ghoga Street, Fort.

TAPE MANUFACTURERS

EAGLE ADVERTISING TAPE FACTORY, THE.—Eagle Wadi,
Kurla (C.Rly.). Phone: 87058. Grams: "EAGLE." Kurla.
Manufacturers and Suppliers of Advertising Tape, Woven
Labels, Laces, Ribbons, Trimmings and other kinds of
Tapes.
EASTERN TAPE MANUFACTURING CO.—Swastik Silk Mills
Compound, Fergusson Road, Lower Parel, Bombay 13.
Manufacturers of Spindle Tape and Wicks. Phone: 41573.
Todi & Co.—41, Hamam Street, Fort, Bombay.

TARPAULINE

DWARKADAS VELJI TALPATRIWALA

36, Isaji Street, Old Barden Lane, Vadgadi,
BOMBAY 3.

Stockists of:

Waterproof and Rotproof Canvas, Flax Canvas,
Tarpaulins of any required size new and second-
hand available for sale and hire. Old and new
Gunny Bags, Hessian Cloth, Jute Canvas, Jute
Sewing Twine and allied Jute Products. Tents
of any size.

Manufacturers of:—TARPAULINS AND TENTS.
GOVERNMENT AND RAILWAY CONTRACTORS
Phone: 72083 Grams: "VELTHAKKER"

KILBURN & CO., LTD.—Asian Building, Ballard Estate,
Bombay. Phone: 31908. Grams: "TASCONIUM."

TAXIDERMISTS

Army & Navy Stores Ltd.—Mahatma Gandhi Road, Fort.
Eastern Leather Works—Junction of Sandhurst Road and Girgaum
Back Road.
Elgin Leather Wares Ltd.—Nawab Building, 327, Hornby Road,
Fort.
Spence Ltd.—Kennedy Bridge, Bombay 4.

TEA AND COFFEE MERCHANTS

AMBER TIPS LTD. (Estd. 1922).—75, New Barden Lane,
Mandvi, Bombay 3. Phone: 70784. Grams: "AMBER-
TIPS." Tea Blenders Suppliers to Mill Stores, Canteens
and Factories.

Aroon & Co.—8, Sir Phirozshah Mehta Road, Fort.
Bhagwandas Chhatrabhai & Co.—20, Hamam Street, Fort.
Bhankharla Bros.—73, Bazar Gate Street, Fort.
Bhankharla Tea Supply Co.—70, New Barden Lane, Mandvi.
Bombay Barmah Trading Corp. Ltd.—9, Wallace Street, Fort.
Bombay Trading Co., The.—"Dhun-Nur," Sir Phirozshah Mehta
Road, Fort.
Brooke Bond India, Ltd.—Gresham Assurance House, Sir Phirozshah
Mehta Road, P.O. Box 271.
Bulchand & Co., L.—Moos Building, 510, Kalbadevi Road.
Canadian Traders (Asia).—P.O. Box 2382, Bombay 2.
Champaklal Moraji & Co.—193, Samuel Street, Vadgadi, Bombay 9.
Dawood Hajeer Nassir & Co.—Manekia Chambers, 1st Marine Street,
Dhobi Talao.
Desai Dalal & Co.—Duncan Road, Null Bazar.
Dwarkanadas Siraundas & Co.—235, Junna Musjid.
Ebrahim Lavji Dawoodani Chawala.—188, Khoja Street, Null Bazar,
Bombay 3.
G. A. Randeria Limited.—Randeria House, 111-115, Kazi Sayed
Street.
Great Western Stores.—Standard Building, Hornby Road
Gulam Rasul Allahbux.—1-B, Bachoo Ali House, Nowroji Hill Road
No. 1, Bombay 9.
Haneef, S. M., & Co.—Bachooali House, Haji Bachooali Road,
Bombay 9.
Himalal Jamnadas Dani.—Mandvi, New Barden Gully, Bombay 3.
Hiralal Ralchand & Co.—85, New Barden Gully.
Impa Tea Corporation.—176, Dongri Street, Bhat Bazar, Bombay 9.

INDIA COFFEE & TEA DISTRIBUTING CO., LTD.—Prop. of—Phillips Coffee and Tea, 53/55, Lakshmi Bldg., Sir Phirozshah Mehta Road, Fort, Bombay. Phones: 23326 & 34735. Grams: "TEACOFFEE" Dealers in Tea, Coffee, Raw Rubber, Latex Chemicals and Colours.

Indo Iranian Trading Corp.—Ava Chambers, Mahatma Gandhi Road, Fort.

J. E. MODY & SONS COFFEE SPECIALISTS.—164, Hornby Road. Phone: 21698. Grams: "MODYCOFFEE."

JOSESONS & COMPANY.—Tea Merchants & Commission Agents. Telegrams: "JOSESONCO." Direct Importers, Wholesale Distributors and Exporters of Teas of all grades and quality, Suppliers to Railways, Mills, Factories, Grain Shops and Canteens, Dubashes High class Hotels, Restaurants and Caterers. 199, Hathising Jetha House, Bazargate Street, Fort. Phone: 28259. Retail Dept.: 206, Bazar Gate Street, Bombay 1.

K. R. TAVAKKULI & SONS.—Hararwala Bldg., Golpitha, Bombay 4. Grams: "TAVAKKULI." Phone: 40345.

Lipton, Ltd.—Ilaco House, Sir Phirozshah Mehta Road, Fort.

Maga Traders—20, Dadyshth Aglary Lane, Bombay 2.

Mata Products India—409, Girgaum.

Mehta & Co., F. D.—Standard Building, Hornby Road, Fort.

MODY & COMPANY.—313, Sandhurst Road, Bombay No. 4. Wholesale Tea Merchants. Phone No. 70983. Grams: "SAUGAND."

Moeln, J.—G.P.O. Box No. 5/A, Bombay No. 1.

Nathubhai Hirli & Co.—84, New Hardan Lane, Mandvi.

Oomrigar & Sons—80-90, Lohar Chawl Street.

Oriental Import & Export Agency.—52, Shri Krishna Nivas, New Silk Bazar, Kalbadevi Road.

Paradise Tea Co.—Sambava Chambers, Sir Phirozshah Mehta Road, Fort.

Pearse & Co.—Opp. Imperial Bank, Apollo Street.

Phillips & Co.—Waterloo Mansion, Mayo Road.

Polson, Ltd.—Jn. of Belvedere & Dockyard Roads, Bombay 10.

Poonjiajee Jehangir, J. M.—Byramji Mansion, Sir Phirozshah Mehta Road, Fort.

Prabhat Tea Trading Co.—75, New Barden Lane, Mandvi, Bombay 3.

Prabodhan Bhujanglal.—Khimjee Meghji House, Essaji Street, Vadgadi.

Shah Narotamdas Harjivandas Co. (Estd 1880).—480, Kalbadevi Road, Bombay 2.

Singham Bros. & Co. (India) Ltd.—P.O. Box 804, Bell Building, Sir Phirozshah Mehta Road, Fort.

Somnath Motiram.—806, Kharek Bazar, Bombay 9.

Titus George & Co.—45, Polsar Market, Kandivli, Bombay (S.D.).

Vasantlal Vadlal & Co.—215-17, Samuel Street, Vadgadi.

TELEPHONE ENGINEERS AND CONTRACTORS

British Radio & Electric Co.—Prospect Chambers, Hornby Road, Fort, Bombay.

Chicago Telephone & Radio Co., Ltd.—127, Mahatma Gandhi Road, Fort.

C. Patel & Co.—70, Podar Chambers, Fort.

Eastern Radio & Refrigeration Co.—8, Beaumont Chambers, Medows Street, Fort.

FAIREDEAL ENGINEERING & WELDING COMPANY.—4th Floor, Yusuf Building, Veer Nariman Street (Churchgate Street) Fort, Bombay. Grams: "TEXENGRAVE."

Hind Industrial & Mercantile Corp. Ltd.—27, New Queen's Road, Bombay 4.

India Traders.—101-B, Girgaum Terrace, Bombay 4.

Indo-International Commercial Corporation Ltd.—Lalgar Chambers, Tamarind Lane, Fort.

Prestman Limited.—Great Social Building, Sir Phirozshah Mehta Road, Fort.

SUPER SERVICES (INDIA).—Telephone Engineers, Manufacturers of Super-Phone Inter-Communication Telephones; Dealers in Telephones, Switch Boards of all Systems, Wires, Cables, Cords, Accessories and Spare Parts. Phone: 20676. Grams: "PHONESUPER." Parekh Building, 18, New Queen's Road, Bombay.

TEXTILE AUXILIARIES MANUFACTURERS AND DEALERS

Amalgamated Chemicals & Dyestuffs Co. Ltd.—Neville House, Nicol Road, Ballard Estate.

Amritlal & Co., Ltd.—Sprott Road, Ballard Estate, Fort.

Anvar Textile Mills Ltd.—Bundecally Building, Sandhurst Road East, Dongri, Bombay 9.

ASAVE MEHTA & CO.—24-B, Raja Bahadur Compound, Hamam Street, Fort, Bombay. Phone: 34973. Grams: "ASAMEC." Mill Machineries and Accessories Suppliers. Specialists in Winding Machines and Spares. Sole Selling Agents: Tessilmecconica Lombarda, Milan (Italy). Manufacturers of all types of Winding Machines.

Asian Trading Corp.—P.O. Box 1505, 20, Mangesh Street, Bombay 1. Auxitex.—177-179, Lamington Cross Road and Calcutta National Bank Building, Sir Phirozshah Mehta Road, Fort.

Bhogilal & Company, B.—261/263, Hornby Road, Fort.

Bhukhanwala & Sons.—Medows House, Medows Street, Fort.

Brady, W. H., & Co., Ltd.—Royal Insurance Building, Churchgate Street, Fort.

Chemautex.—11, Bank Street, Fort.

CIBA DYES LIMITED.—Jehangir Building, Mahatma Gandhi Road, Fort. Phones: 36846 and 36847.

C. Patel & Co.—70, Podar Chambers, Fort.

Cosmo Trading Corporation.—156, Sheikh Memon Street, Bombay 2.

Dhirren & Co.—Lakhani Building, 31, Cawasji Patel Street, Fort, Bombay. Gums, Starches, Oils, Chemicals and Manufacturers of Textile Auxiliaries. Phone 62620. Grams "AUXILIARY."

DIN PRODUCTS LTD.—9-A, Ash Lane, off Medows Street, Fort, Bombay 1.

Firoz Trading Co. Ltd.—Kamar Building, Cawasji Patel Street, Fort. General Industrial Chemicals.—Beaumont Chambers, 27/33, Medows Street, Fort.

H. Govindji Dayaram (Estd. 1923)—Holland House, Colaba Causeway, Bombay.

Harchandani & Sons.—229, Masjid Bunder Road, Bombay 3.

Hardacre & Co., J.—41, Hamam Street, Fort.

Indo-Bobbins & Textile Co., Ltd.—Jan Mansion, Sir Phirozshah Mehta Road, Fort.

Jagkumar & Co.—Prospect Chambers Annexe, 317-21, Hornby Road, Fort.

Kala Niketan.—Pravin Court, Queen's Road, Bombay 1.

Manroe Corporation.—Beaumont Chambers, Medows Street, Fort.

Modern Sizing Finishing & Textile Stores.—Mustafa Bldg, Sir Phirozshah Mehta Road, Fort.

ORIENTAL MILL SUPPLY CO., LTD.—29-A, All Chambers, Dean Lane, Fort. Phone: 20328. Grams: "OMILLCO."

Parekh Bros. Ltd.—65, Mahatma Gandhi Road, Fort.

Pioneer Textiles Corporation Ltd.—Lentin Chambers, Dalal Street, Fort.

Rasiklal Mohanlal & Co.—N. H. Wadia Building, 123, Mahatma Gandhi Road, Bombay 1.

Sardesai & Company.—14, Mursban Road, opp. New Empire Cinema, Fort.

Suchin & Co.—65, Lakshmi Building, Sir Phirozshah Mehta Road, Fort.

Sugar Textiles Service—Third Floor, Bombay Mutual Building, Sir Phirozshah Mehta Road, Bombay 1.

Suppliers & Trading (India) Ltd.—79, Medows Street, Fort.

Texmaco (Gwallor), Ltd.—Usha Investment Corporation, Asian Building, Nicol Road, Ballard Estate, Fort.

Textile Machinery Corporation, Ltd.—Asian Building, Nicol Road, Ballard Estate, Fort.

Todi & Co.—41, Hamam Street, Fort.

Venkatrao A. Pal & Sons, Ltd.—156-A, Tardeo Road, Bombay 7.

Vimalis.—106, Medows Street, Fort.

Wallace, J. P., & Co.—Shale Building, 28-32, Bank Street, Fort.

TEXTILE ENGINEERS AND MACHINERY IMPORTERS

Altex Limited—147, Esplanade Road, Fort.

Anglo-American Dyestuff Corporation Ltd.—Prospect Chambers, Hornby Road, Fort.

Apollo Engineering Company—84, Apollo Street, Fort. Phone: 23368.

Arvinda Trading Co., Ltd.—105, Apollo Street, Fort.

Asian Textile Engineering Corporation.—Kermani Building, Sir Phirozshah Mehta Road, Fort.

Aspens Ltd.—Prince's Chambers, Colaba Road, Colaba.

Associated Machine & Tool Co.—130, Medows Street, Fort.

Banwarilal & Co., Ltd.—Queen's Mansions, Bastion Road, Fort.

BATLIBOI & CO.—Engineers & Machinery Importers. Head Office: Forbes Street, Fort, Bombay 1. Phone Nos. 30007-8-9 (Three Lines). Tel. Address: "BATLIBOICO". Branches: Batliboi House, Nagdevi Cross Lane, Bombay 3; 3-153, Broadway, Madras; P-34, Mission Row Extension, Calcutta; 55-5, Japan Buildings, New Chowri, Delhi; 12-5D, Variety Hall Road, Colmbatore; Reid Road, Ahmedabad. 26-39, Birkhana Road, Kanpur.

Bharat Electric & Engineering Corporation.—28, Apollo Street, Fort.

Bhukhanvala & Sons.—Medows House, Medows Street, Fort.

Brady, W. H., & Co., Ltd.—Royal Insurance Building, Churchgate Street, Fort.

Collinson & Co., Ltd.—Standard Building, Hornby Road, Fort.

Craftman Electronic Corporation Ltd.—Navsari Bldg., 240, Hornby Road, Fort and Sethna Hall, Nesbit Road, Mazagaon, Bombay 10.

Diarvi Trading Co.—64, Old Custom House Road, Fort, Bombay.

Duncan Stratton & Co., Ltd.—5, Bank Street, Bombay 1.

East & West Associates, Ltd.—36, Yusuf Building, Churchgate Street, Fort.

EDGAR HANDLEY & CO., LTD.—135, Medows Street, Fort, Bombay. Phones: 22934 & 26884. Grams: "TROJAN."

Engineering & Agencies Ltd.—Karim Chambers, Hamam Street, Fort.

FAIREDEAL ENGINEERING & WELDING CO.—4th Floor, Yusuf Building, Vir Nariman Street (Churchgate Street), Fort. Grams: "TEXENGRAVE."

FRENCH DYES & CHEMICALS (INDIA), LTD.—Adelphi, 3, Queen's Road, Bombay, P.O. Box 1539. Phone: 23334. Grams: "FRENCHDYES." Sole suppliers for India, Burma, Ceylon and Afghanistan for Textile Machinery manufactured by leading French Textile Machinery Manufacturers.

Gannon, Dunkerley & Co., Ltd.—Chartered Bank Building, Mahatma Gandhi Road, Fort.

GUJARAT TRADING SYNDICATE.—41, Medows Street, Fort, Bombay 1. Grams: "GUTRASY."

Hardacre & Co., J.—41, Hamam Street, Fort.

Hindustan Electric Co. Ltd.—109, Parsi Bazar Street, Fort.

Hindustan Export & Import Corporation Ltd.—Albert Building, Hornby Road, Fort.

India Textile Agencies.—Noble Chambers, Parsi Bazar Street, Fort.

Indian Commercial Agency.—Regd. Office: Ralintoola House, 7, Homji Street, Fort.

Industrial Engineering Co.—45-47, Apollo Street, Fort.

Kiron Textile Industries—4th Floor, Yusuf Bldg., 43, Mahatma Gandhi Road, Fort, Bombay.

KOTAK & CO.—Navsari Building, Hornby Road, Fort. Grams: "KOTAKANDEO." Phone Nos. 23182 and 24046.

Kothari Bros.—Podar Chambers, Room 42, Parsi Bazar Street, Fort.

Laxminarayan Mill Supply Co.—Noble Chambers, 116, Parsi Bazar Street, Fort.

Mahindra & Mahindra Ltd.—Gateway Building, Apollo Bunder, Fort, Mangaldas Jesingbhai & Co.—49, Tamarind Lane, Fort.

Mehta & Co., P. N.—Cook's Bldg., 324, Hornby Road, Fort.

Mehta Parikh & Co.—45-47, Apollo Street, Fort.

Murdoch-Smith & Co., C. M.—23, Waudby Road, Fort.

ORMERODS (INDIA) LTD.—Bank of Baroda Building, Apollo Street, Fort, P. O. Box No. 410, Bombay. Phones: 27077-78 (2 lines). Grams: "RAMSHEAD."

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Rajasthan Trading Co.—Podar Chambers, Parsi Bazar Street, Fort.

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Textile Tradeis—11, Bruce Street.

Textile Works Ltd.—49-55, Apollo Street, Fort.

T. Maneklal Mfg Co Ltd.—35, Dalal Street, Fort, Bombay 1

Todi & Co.—Importers & Exporters, 41, Hamam Street, Fort, Bombay. Grams: "Offer." Phone: 28023.

Usha Textiles and Machinery Corpn.—75, Tamarind Lane, Bombay 1.

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Ahmed Bros. Ltd.—23/25, Chakla Street, Bombay 3.
Ahmed Ebrahim Brothers.—88, Chakla Street, Bombay 3.
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Asian Trading Corporation.—P.O. Box No. 1505, 20, Mangesh Street, Bombay.
Ashay & Co., Ltd.—Great Social Building, Sir Phirozshah Mehta Road, Fort, Bombay.
Aspends Ltd.—Prince's Chambers, Colaba Road, Colaba, Bombay 5.
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Bajaj Brothers Ltd.—Round Building, Kalbadevi Road.
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Dulabhdas Manilal & Co.—New Silk Bazar, Kalbadevi.
Durlabhji & Co., B.—Shri Krishna Nivas, Kalbadevi Road.
Ebrahim Manji & Co.—49, Pydhowne Road, Khadak, Bombay 9.
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Emdas.—105, Mahatma Gandhi Road, Fort.
Essardas & Sons.—74, Carnac Road, Bombay 2.
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Finlay, James, & Co., Ltd.—Mahatma Gandhi Road, Fort.
Forbes Forbes Campbell & Co., Ltd.—Forbes Building, Home Street, Fort, Bombay.
Framji Ardaseer Davur & Sons.—Navsari Chambers, Outram Road, Fort.
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Gorakhram Gokalchand (Estd. 1891).—Choksi Chambers, Zaveri Bazar, Bombay 2.
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Haji Esmail Haji Oomer & Co.—50-56, Chakla Street (Jackeria Masjid), Bombay.
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 Aboobakar Mohamed Chhapra & Co.—Islami Bazar, 7, Victoria Road, Byculla
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 Bharat Timber Mart—Jambli Moholla, Panjrapole
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 Bombay Timber Importing & Landing Co.—148, Middle Colaba
 Brjmojan Banwarlal—61, Reay Road, Mazagaon, Bombay 10
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 Gillanders Arbuthnot & Co., Ltd.—Elphinstone Building, Churchgate Street
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 Gulam Hussein Meherally & Co.—Ghorupdeo, Connaught Road, Bombay 10
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 Haji Ebrahim Karim Mohamed & Sons—64, New Kazi Street
 Haji Janmahomed, H. A., & Co.—Tank Bunder, Reay Road, Bombay 10
 Hargovindas Shival & Co.—Opp Reay Road Station, Tank Bunder, Bombay 10
 Janmahomed Habib—Mustafa Bazar, Victoria Road, Byculla.
 Janmahomed Haji Moosa—Victoria Road, Byculla
 Janmahomed Moledina—60, Dontad Street, Khadak.
 Kanti Wood Works—Office, Saw Mills, Factory Quay Street, Darukhana, Bombay 10
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 Kantilal Ramanlal & Co.—Reay Road, Tank Bunder
 Kasmam Abdulla & Co.—Victoria Road, Mustafa Bazar, Byculla.
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 Office: 129, Radha Bazar Street, Calcutta. Grams. "RUR-
 AL," Calcutta.

Pioneer Watch Co. 89 Abdul Rehman Street Bombay 3

Popular Watch Co.—Near Western Rly Station, Kanade Road,
 Dadar, Bombay 14

Prabhat Watch Co.—Prarthana Samaj Corner, Bombay 4

Precious Watch—233, Hornby Road, next to Kemp & Co., Fort

Pundole Watch Co.—Opp Lloyd Bank, 263, Hornby Road, Fort
 Dealers in Watches, Clocks, Timepieces and Jewellery

Record Watch Company—167, Hornby Road Fort Bombay

Rogers Watch Co.—Prospect Chambers Hornby Road Fort

Rolex Watch Company (Eastern) Ltd. 124, Mahatma Gandhi Road,
 Fort

SANGHVI WATCH CO.—Khandelwal Bhavan, 170, Hornby
 Road, Fort, Bombay 1 Phone: 32738. Grams: "DIC-
 TATOR" Direct Importers, Wholesalers and Retailers in
 Watches, Clocks and Timepieces.

Saxonia Watch Co. Kermul Building, Sir Phirozshah Mehta Road
 Fort

Shakti Watch Co.—48 Abdul Rehman Street, Bombay 3

Sofer, N. D.—62 Medows Street, Fort

Spencer Watch Co.—Mehta Building, Medows Street, Fort.

SWISS INDIA WATCH CO.—(Props.: G. Bhagat & Sons), 457,
 Kalbadevi Road, Bombay 2. Phone. 23732. Grams.
 "WATCHEDEPOT". Direct Importers & Wholesale Dealers
 in Watches, Clocks & Timepieces.

Trinity Watch Co.—46A, Abdul Rehman Street, Bombay 3.

Unita Watch Co.—37, Yusuf Building, Mahatma Gandhi Road
 Fort

Victor Watch Co.—37-41, Abdul Rehman Street

WEST END WATCH CO.—49, Mahatma Gandhi Road, Fort,
 Bombay and 16, Old Court House Street, Calcutta. Watch
 and Clock Makers, Jewellers and Silversmiths. Tel. Ad-
 dress: "HOROLOGOY," Bombay, Calcutta Phone No.
 23163 (Bombay). P.O. Box 504, Bombay. Phone No. (City
 3121) (Calcutta). P.O. Box 27, Calcutta.

WATCH & CLOCK-SPRINGS AND SPARE PARTS

Morgan Milton Ltd.—Wavell House, Graham Road Ballard Estate,
 Bombay 1 Phone 22333

WATER METERS

GAYTEE & COMPANY.—Jaamabhoomi Chambers, Fort,
 Street, Fort, Bombay. Grams: "IMPENG." Phone: 32449.

WATERPROOF PAPER MANUFACTURERS

United Waterproof Products Mfg. Co. 48-49, Western India House, Sir Phirozshah Mehta Road, Fort, Bombay 1.

THE PACKING MATERIALS CORPORATION*Manufacturers of :*

All sorts of Waterproof Papers, Tarpaulins, Roof-joints, Roofing Felts, Aluminium Lined Paper, Etc.

Address :

KHED GALLY, BOMBAY 28

Grams : "SUNLIGHT"

Phone { Office : 32532
Works : 60024

WATERPROOF PAPER MANUFACTURING CO., LTD.—Alice Building, 339, Dr. Dadabhai Naoroji Road, Fort, Bombay 1. Phone : 27017. Factory : Anjirwadi, Mazagon, Bombay 10. Manufacturers of all kinds of Waterproof Packing Paper in Rolls for Packing Textile Goods, Machinery, etc.

WATERPROOFING PRODUCTS MFRS. & DEALERS

Dwarkanadas Velji Talpatriwalla 36, Issaji Street, Bombay 3.
East India Trading Corporation 418, Sandhurst Road, Bombay
Kilburn & Co. Ltd.—Asian Building, Nicol Road, Ballard Estate, Fort.

R. D. Sharma & Co.—14, Moteshwar Building, Napoo Road, Matunga, Bombay 19.

WEIGHING MACHINE MANUFACTURERS, DEALERS AND REPAIRERS

Aikay Traders—Rehman Building, 1st Floor, 24, Vir Nariman Street, Fort, Bombay

EVERY CO. LTD., THE.—16, Dougall Road, Ballard Estate. Phone : 23974. Grams : "WEIGHING."

Eastern Scales Ltd Yusuf Building, Vir Nariman Street, Fort
Ebrahim Mulla Abdultayeb.—40, Sarang Street, Bombay 3.

Electro Technics & Engineering Co.—P. O. Box 1356, Fort.

FIDRALLY GULAMALI.—163, Janjkar Street, Bombay 3. Phone : 24533.

Herben Limited—6, Prospect Chambers, Hornby Road, Fort

Herman & Mohatta, B. R., Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort.

MASTER, A. M. & CO.—179-81, Janjkar Street, Bombay 3. Phone : 23309. Manufacturers and Dealers of all kinds of Scales and Weights.

Mayfair Scale Co.—Tapiwalla Mansion, Mahomedally Road, Bombay 3.

National Scientific Instruments Co.—27, Frere Road, Fort, Bombay 1.

VAID, D. L.—Manufacturer and Dealer in Scales and Weights. 202, Cutlery Bazar, Bombay 3.

WELDERS (ELECTRIC AND GAS)

Autogenous Welding & Repair Co., Ltd.—63, Fergusson Road, opp. Dawn Mills, Lower Parel, Bombay 13.

BATLIBOI & CO.—Engineers & Machinery Importers, Head Office : Forbes Street, Fort, Bombay 1. Tel. Address : "BATLIBOICO". Branches : Batliboi House, Nagdevi Cross Lane, Bombay 3; 3-133, Broadway, Madras; P-34, Mission Row Extension, Calcutta; 55-5, Japan Buildings, New Chowri, Delhi; 12-5D, Variety Hall Road, Coimbatore; Reid Road, Ahmedabad. 26-59, Birhana Road, Kanpur.

Curtis & Co., Ltd., J.—86-40, Mahalaxmi Bridge Arcade, Bombay 11.
Garlick & Co.—Haines Road, Jacob Circle.

GREAT WESTERN ENGINEERING WORKS.—Sea View, 1st Pasta Lane, Colaba, Bombay 5. Phone : 36016. Grams : "GREWENWORK." Structural & Mechanical Engineers & Contractors.

Jayemes Engineering Co.—Warden House, Sir Phirozshah Mehta Road, Fort.

Jithendraral & Bros.—Devkaran Mansion, 5, Mangaldas Road, Bombay 2.

Mazagon Mechanical Marine & Welding Works.—Dockyard Road, Mazagon, Bombay 10.

New Standard Engineering Co., Ltd.—222, Bellasis Road, Byculla, Bombay 8.

Royal Express Agency.—247, Nagdevi Street, Bombay 3.

Steel Industrial Corporation of Bombay 39-2, Carpenter Street, Khetwadi Main Road, Bombay 4

United India Marine & Trading Co.—Nagindas Chambers, Frere Road, Bombay.

WESTERN INDIA ENGINEERING CO., THE.—Signal Hill Avenue, Sewri, Bombay 15. Structural Engineers and Contractors, Electrical and Gas Welders, Machinery Manufacturers, Tank Manufacturers and Sugar and Oil Mill Machinery Specialists.

WELDING MATERIALS DEALERS

WHARTON, H. W. & CO., LTD.—Alice Buildings, 339, Dr. Dadabhai Naoroji Road, Fort, Bombay 1. Phone : 27017. Importers of Oils, Paints, Welding Rods, etc.

WELDING SPECIALISTS

Aluminum Welding Works 16, Mody Chambers, Corner of Sandhurst Bridge, Bombay 4

Bijlani Shah & Co.—50, Nesbit Road, Bombay 10.

Bishan Sahai Om Parkash.—81, Forbes Street, Kite Building, Fort.

Electro Engineering Co.—Sea View, 1st Pasta Lane, Colaba.

Electro Technics & Engineering Co.—P. O. Box No. 1356, Fort, Bombay

GREAT WESTERN ENGINEERING WORKS.—Sea View, 1st Pasta Lane, Colaba, Bombay 5. Phone : 36016. Grams : "GREWENWORK." Structural & Mechanical Engineers & Contractors.

Mehta Nanavati & Co.—Barbhai Moholla, 90, Narayan Dhuru Street, Bombay 3.

Parekh, B. & Co Anand Bhuvan, 1st Floor, Princess Street, Bombay 2

Rocks Engineering and Welding Works Shivali Motilal Mansion Compound, opp Bombay Central Station, Bombay 4.

Steel Industries of Hindustan Ltd Magazine Street Darukhana, Bombay 10.

Thos. W. Ward (India) Ltd.—Marshall Building, Ballard Road, Ballard Estate, Fort.

Vasant Industrial and Engineering Works—"Vasant Vijay", 470-71, Worli Road, Bombay 18.

Vishwabharati Trading Co.—60, Modi Street, Fort.

WINE AND SPIRIT MERCHANTS

Abrahamoff, S.—P. O. Box No. 529, Rehmat Manzil, Vir Nariman Street, Bombay 1.

Army & Navy Stores Ltd.—Mahatma Gandhi Road.

Baria, D. P., & Sons.—Near Police Station, Byculla.

Baria, M. P.—10-12, Pydhonie, Bombay 3

Bhiwandiwalla, H. M. D. H., & Co.—583, Chitra Bazar, Bombay 2.

Brandon & Co., Ltd.—Elphinstone Building, Vir Nariman Street, Fort.

Cutler, Palmer & Co.—4, Rampart Row, Fort.

Dangoor, H. E., & Co.—Commissariat Building, Hornby Road, Fort.

Great Western Stores.—Standard Building, Hornby Road, Fort.

Herbertsons, Ltd.—11-13, Elphinstone Circle, Fort.

Maneckjee Jamshedjee. 307, Frere Road, Fort.

Manekji Pestonji Baria.—10-12, Pydhonie.

Miranda, S. S.—Rose Cottage Lane, Mount Road, Mazagon.

Mohan Brothers.—39-40, Sind Mercantile Syndicate, 315 G, Charni Road, Bombay 4.

Motandas, T. & Co.—Wine & Provision Merchants, 1st Marine Street, near Metro, Bombay.

Motiram, L. & Son.—Sitaram Building, Hornby Road, Fort.

National Stores.—Sitaram Building, Hornby Road.

NOWROJEE ARDASEER & SONS.—24-26, Dalal Street, Fort. Manufacturers' Representatives, Agents and Merchants for Foreign Liquors, Provisions and Dairy Products. Sole Agents: Gilbey's Wines and Spirits, and Castillon Brandy, Golden Tree Pilsner Urquell Beers, Daisy Olive Oil, etc.

Oomrigar, D. C., & Co., Ltd.—Opp. Crawford Market, 354-356, Abdul Rehman Street.
 Pandit Kananya Lal Punj.—Seksaria Chambers, 139, Medows Street, Fort.

PEIPSON & CO., LTD.—8, Apollo Street, Fort.

Pyrke's Provision Stores.—373, Hornby Road, Fort.

Shaw, M. S., & Co.—Mherwan Building, Sir Phirozshah Mehta Road, Fort.

Shroff & Co.—Tejorivala Building, Corner of Grant Road.

Shroff, P. C., & Sons.—Corner of Grant Road.

SHROFF SONS, J.P.C.—Importers and Exporters, Agents Representing Distillers, Breweries and Manufacturers, Bazar-gate Street, Fort, Bombay (India). Phone: 26677. Grams: "JAYPEESONS," Bombay.

Spencer & Co., Ltd.—Kaiser-i-Hind Building, Ballard Estate, Fort.
 T. Motandas.—Wine & Provision Merchants, 1st Marine Street, near Metro, Bombay.

United Medical Agency.—11, Bruce Street, Fort.

Vianelli, A., & Co.—Chowpatty Sea Face.

WIRE BRUSHES

DATSON RAVIRAJ & CO.—43, Tamarind Lane, Fort.

WIRE PRODUCTS MANUFACTURERS & DEALERS

Adamally Sons Ltd.—277, Nagdevi Street, Bombay 3
 Blascheck, H., & Co.—Opp. Hongkong Bank, 44, Cawasji Patel Street, Fort.

Bombay Metal Products Co.—86, Kandewadi, Bombay No. 4.

C. Bhimjee Poonja & Sons.—Bhimjee Poonja Building, 20, Khokha Bazar, Bombay 3

CHUNILAL & CO.—74, Abdul Rehman Street, opp. Imperial Bank, Bombay 3.

Dhani Ram & Sons.—236, Musjid Bunder Road.

EAST ASIATIC COMPANY (INDIA) LTD.—Wavell House, Graham Road, Ballard Estate. Phone: 30995.

Eastern Stores & Trading Co., Ltd.—115-A, Nagdevi Street.

EASTERN TRADING & ENGINEERING CO.—Alice Building, 3rd Floor, 339, Hornby Road, Fort, Bombay. Phone: 26959. Grams: "HIGSTEL." Importers and Stockists of Steel Wire ropes, M. S. Shaftings, Rounds, Squares, Steel Strips, Stainless Steel Strips, etc. Galvanised Wire, Strand Wire Nails, Bolts, Nuts and Rivets.

G. M. Motiwala.—80, Bhusari Mohalla, Bombay 3.

Herman & Mohatta, B. R., Ltd.—People's Building, Sir Phirozshah Mehta Road, Fort.

HIND HARDWARE STORES.—Pirbhoy Building, 1, Lohar Chawl, Bombay 2. Phone: 21804. Grams: "AGEKADUM." Wire Merchants.

HINDUSTAN WIRE NETTING CO., LTD.—Manufacturers of Wire Gauge, Hexagon Wire Netting, Galvanised Chain Link Fencing, Galvanised Stranded Stay Wires and Stranded Copper Conductors. Works: Agra Road, Thana. City Office: 55-57, Nagdevi Cross Lane, Bombay 3. Grams: "WIREGAUZE," Bombay. Phone: 33408.

Jagkumar & Co.—Prospect Chambers Annexe, 317/21, Hornby Road, Fort.

Jayant Metal Manufacturing Co.—152, Lohar Street, Bombay 2.

Kantilal Sanghvi & Co.—Mherwan Building, Sir Phirozshah Mehta Road, Fort.

Morbiwala, A. A., & Co.—109-111, Abdul Rehman Street, Bombay 3.

NASH & CO.—103, Abdul Rehman Street, Bombay 3. Govt. & Rly. Contractors and also Dealers in Wire Nettings, Expanded Metal, Galvanised Brass, Copper Plain Zinc Sheets, Perforated Brass, Copper Zinc Sheets, Welded Mesh green Wire Nettings, Asbestos Cement Sheets, Plain Corrugated Veneer Plywood, Masonite, Presswood, Woven wire Fence and Wire Netting, Decorative Plywood for furniture as a Teak, Mahogany, Walnut in all sizes and thickness. Phone: 33968.

National Hardware & Stores Supply Co.—Post Box 3146, Bombay 3.

NATIONAL WIRE HEALD WORKS LTD.—Manufacturers of all types of Wire healds. Regd. Office: Lakshmi Building, Block 70, 4th Floor, Sir Phirozshah Mehta Road, Fort, Bombay. Phone: 21746. Grams: "TROPICALS." Works: 54/56, Hill Side, Tardeo Road, Bombay 7. Directors: B. H. Goda. M. A. Hossain, B. R. Daver, J. B. Goda.

N. P. Master & Co.—Bombay Mutual Annexe, 17, Gunbow Street, Fort.

Parsee Trading Co.—Vithal Sayana Building No. 2, Lohar Chawl, Bombay 2.

ROYAL HARDWARE MART.—106, Nagdevi Street, Bombay 3. Phone: 24121. Grams: "MANILAROEPE."

Shah & Co., Jaliwala.—"Jay Nivas," 36, Abdul Rehman Street, near Pydhonie, Corner of Sutar Bazar, Bombay 3.

T. Salehbhoj & Co.—54, Sarang Street, Bombay 3.

VASI SHUMS & CO. LTD.—165-67, Nagdevi Street, Bombay 3. Phone: 24947. Grams: "WIREROPE."

WESTERN INDIA HARDWARE MART.—16, Narayan Dhuru Cross Lane, Bombay 3. Grams: "VISCOSITY." Phone: 28730.

Yahya & Company.—123, Abdul Rehman Street, Bombay 3.

Zenith Iron Works.—46, Abdul Rehman Street, Bombay 3.

WIRE ROPES

GAYTEE & COMPANY.—Janmabhoomi Chambers, Fort Street, Fort, Bombay. Grams: "IMPENG." Phone: 32449.

WOOD SCREWS

GUEST, KEEN, WILLIAMS, LTD.—"Das Chambers," Dalal Street, Fort, Post Box No. 575, Bombay 1.

WOOD WORKING TOOLS, SAWS AND MACHINERY

Abdally, B. M., & Co.—127, Sarang Street, Bombay 3. Phone: 31700.

BATLIBOI & CO.—Engineers & Machinery Importers. Head Office: Forbes Street, Fort, Bombay 1. Phone No. 30007-8-9 (Three Lines). Tel. Address: "BATLIBOICO." Branches: Batliboi House, Nagdevi Cross Lane, Bombay 3; 3-153, Broadway, Madras; P-34, Mission Row Extension, Calcutta; 55-5, Japan Buildings, New Chowri, Delhi; 12-SD, Variety Hall Road, Coimbatore; Reid Road, Ahmedabad; 26-59, Birhana Road, Kanpur.

Champion Trades Corporation—9-13, Dalal Street, Fort.

Chokshi & Co.—106, Medows Street, Fort.

Dawson & Co.—21, Parsee Bazar Street, Fort.

Excellent Engineering Co.—11, Botawala Building, Elphinstone Circle, Fort.

GAYTEE & COMPANY.—Janmabhoomi Chambers, Fort Street, Fort. Phone: 32449. Grams: "IMPENG."

Janak Engineers—4th Floor, Lentin Chambers, Dalal Street, Fort.
 National Hardware & Stores Supply Co.—Post Box No. 3146, Bombay 3.

Thos. W. Ward (India) Ltd.—Marshall Building, Ballard Road, Ballard Estate, Fort.

WEIL COMPANY.—Chateau Marine, 41-B, Marine Drive, Bombay 1. Phone: 34593. Cables: "WEILETCO."

WOOL AND HAIR

Arthur Philip Wool Co.—18, People's Building, Sir Phirozshah Mehta Road, Fort.

Beardsell & Co., Ltd., W. A.—"Dhan-Nur", 15/16, Sir Phirozshah Mehta Road, Bombay 1.

Bombay Co., Ltd.—9, Wallace Street, Fort.

Dawood Hajee Nasser & Co.—Manekia Chamber, 1st Marine Street, Dhobi Talao.

Eastern Trading & Engineering Co.—Alice Building, Hornby Road, Fort.

Faiz & Company—75, Abdul Rehman Street, Bombay 3.

Harilal & Co., J.—Himalaya House, Palton Road, Bombay

Hashambhoj Alloo Mahomed & Son.—Doshmahomed Building, Nishanpala Road, Khadak, Bombay 9.

Husein Mussa Virjee & Co.—Sheriff Hasam Building, Khoja Moholla, Bombay 9.

Interseas Corporation.—293, Hornby Road, Fort.

Jehangir J. M. Poonjajee.—Byramjee Mansion, Sir Phirozshah Mehta Road, Fort.

Maga Traders.—20, Dadlisheth Aglary Lane, Bombay 2.

Mahomedali Esmail.—Stock Exchange Building, Apollo Street, Fort.

New Oriental Trading Co.—Kermani Building, Sir Phirozshah Mehta Road, Fort.

Sheralli Nanjee.—178, Samuel Street, Vadgadi, Bombay 9.

Shree Krishna Trading Co., Ltd.—11, All Chambers, Medows Street, Fort.

Vaziralli, Ltd.—Prospect Chambers, Hornby Road, Fort.

WOOLLEN MILLS

Ahmed Abdul Karim Bros Ltd Karim Building Mohamedally Road, Bombay 3
 Berlin Wool Factory —315 C New Charni Road, Bombay 4
 Nagpal Woollen Mills —Darukhana, Reay Road, Mazagaon
 P Parbhulal & Co Ltd —Whiteaway Laidlaw Building, Hornby Road, Fort
 The Woollen Mills, Ltd The —Bhavanishanker Road, Dadar

WOOLLEN PIECEGOODS

Abdul Latif Abdul Shukur & Co—13-15, Jackeria Masjid, Bombay 8
 Abrahamoff S—P O Box No 529, Rahmat Manzil, Churchgate Street, Bombay 1
 Ahmed Abdul Karim Bros Ltd —Karim Building, Mohamedally Road, Bombay 8
 Ahmed Fbrahim Bros 88, Chuckla Street, Bombay 3
 Arvinda Trading Co, Ltd —105, Apollo Street, Fort
 Asian Trading Corporation —P O Box No 1505, 20 Mangesh Street
 Askay & Co Ltd —Great Social Building, Sir Phirozshah Mehta Road, Fort
 Beardsell, W A, & Co, Ltd —15-16, Sir Phirozshah Mehta Road, Fort
 Bascheck, H & Co Dadyseth House opp Hongkong Bank, Fort
 Canton Mills Depot Churchgate House Churchgate Street Fort
 Dadlani Silk Stores —24, Lansdowne Road, near Regal Cinema Apollo Bunder
 Dawood Hajeer Nasser & Co Maneckia Chamber, 1st Marine Street Dhobi Talao
 Emdas —105 Mahatma Gandhi Road Fort
 Eastern Woollen Mills Ltd —Bhavanishanker Road Dadar Bombay
 Godambe Bros —Buona Casa, Sir Phirozshah Mehta Road, Fort
 Goolamally Hasanjee —78, Sheriff Dwyer Street
 Gore & Co —Great Social Building Sir Phirozshah Mehta Road, Fort
 Grand Bazar —25, Colaba Causeway, Bombay 1
 Gulam Rasul Allahbux —1 B Bachoo Ali House, Nowroji Hill Road No 1, Bombay 9
 Haneef, S M, & Co —Bachooali House, Haji Bachooali Road, Bombay 9
 Hardare & Co J —41 Hainam Street Fort
 Hazarat & Co —People's Building Sir Phirozshah Mehta Road, Fort
 Hossain, M A, & Bros —Lakshmi Building, Sir Phirozshah Mehta Road, Fort
 Jagkumar & Co —Prospect Chambers Annexe, 312/19, Hornby Road, Fort
 Jehangir J M Poonjiajee —Byramjee Mansion, Sir Phirozshah Mehta Road, Fort
 Jivandas Bhauji & Co (1std 1922). —Dwarkanesh Gali Mulji Jetha Market Bombay 2
 Jivraj, A M, & Co —171, Khoja Moholla, Bombay 9
 Kidarnath Kishanchand —108 Meadows Street, Fort, Bombay
 K Metharam —490-3, Kalbadevi Road
 Kothari & Sons —20, Noble Chambers Parsi Bazar Street, Fort
 Kros & Co —Podar Chambers, Parsi Bazar Street, Fort
 Madhusudan Gordhandas & Co —Ganeswadi, Mulji Jetha Market P O Box 2110, Bombay 2
 M Daldas & Sons —190, Princess Street
 Mansukhlal & Co Chandra Chowk 2nd Lane Mulji Jetha Market, Bombay 2
 N M Brothers & Co Shreeji Bhuvan, Tohar Chawl Post Box No 2164 Bombay
 P Parbhulal & Co, Ltd —Whiteaway Laidlaw Building, Hornby Road, Fort
 P R Patell & Co, Ltd —Mherwan Building, Sir Phirozshah Mehta Road, Fort
 Raymond Woollen Mills Ltd The —Thana (C R) Bombay
 Roshanali D. Nassur & Co.—58-72, Champagalli
 Rowe & Rowe —381, Hornby Road, Fort
 Sampat Store —28-30, Swadeshi Market, Kalbadevi Road
 Shree Krishna Trading Co, Ltd —11, All Chambers, Tamariad Lane, Fort.
 Tarachand Furaram —Court House, Carnac Road, Bombay 2.
 Uttamlal, V, & Co —P O Box No 1531, Bombay
 Valibhai Kamruddin —101, Abdul Rehman Street, Bombay 3
 Yacoub Ahmed Brothers —Topiwala Mansion, Mahomedally Road

WOOLLEN PIECEGOODS IMPORTERS

MAHENDRALAL, B —Muljee Jetha Market, Dwarakesh Gully, Bombay 2. Cotton, Woollen and Art Silk and Piecegoods Merchants and Importers.

WRAPPING FILMS (TRANSPARENT)

Aspden's Limited —Prince's Chambers Colaba Road Colaba
 Blascheck H & Co —Opp Hongkong Bank, 44 Cawasji Patel Street, Fort

X-RAY AND ELECTRO-MEDICAL EQUIPMENT

Craftsman Electronic Corporation Ltd Navsati Building, 240, Hornby Road, Fort

EAST ASIATIC CO (INDIA) LTD —Sole Agents: Siemens-Reiniger Werke AG Germany Wavell House, Graham Road, Ballard Estate Phone 30995

Laldeal Corporation Ltd, The —Lakshmi Building, Sir Phirozshah Mehta Road, Fort

Forbes, Forbes Campbell & Co Ltd —Forbes Building, Home Street, Fort

MALGHAM BROS —26, Old Custom House Road, Fort Surgical and X-Ray Equipments Phone 25324 Grams "MALGHAM."

Sethisons International Ltd —12, Rampart Row, Fort

SHAH, M., & CO. —Kanji Mansion, Sandhurst Road, Bombay 4.

Victor X Ray Corporation (India) Ltd —Thacker's House Graham Road Ballard Estate Bombay 1

X-RAY FILMS AND ACCESSORIES

ILFORD-SELO (INDIA) LIMITED —Cook's Building, Hornby Road Branches. Calcutta, Madras, New Delhi

X-RAY MACHINERY IMPORTERS

Consumers Services Ltd —Podar Chambers Parsi Bazar Street Fort

General Radio & Appliances, Ltd (Formerly Fazalbhoy Ltd) —16, New Queen's Road, Bombay 4

YARN MERCHANTS & EXPORTERS

Adam Haji Peermahomed Essack —Ahmed Devji Building, Mahomedally Road

Ahmed Abdul Karim Bros Ltd Karim Building, Mohamedally Road

Ahmed Ebrahim Bros —88 Chuckla Street, Bombay 3

Allied Exporters —Kumud House, 267 Hornby Road, Fort
 American Trading Co Ltd —Rustom Building, 20, Churchgate Street, Fort

Amratlal Hiralal & Co —37-41, New Vora Building, Tambakanta, Bombay 3

Arvinda Trading Co, Ltd —105, Apollo Street, Fort

Asian Trading Corporation —P. O Box No 1505, 20, Mangesh Street
 Askay & Co Ltd —Great Social Building, Sir Phirozshah Mehta Road Fort

Aspden Ltd —Prince's Chambers, Colaba Road, Colaba

Bajaj Brothers Ltd —Round Building, Kalbadevi Road

Beardsell & Co, Ltd, W A.—15/16, Sir Phirozshah Mehta Road Fort
 Bombay Import & Export Agency —Cama House, opp Lloyds Bank, Hornby Road, Fort

Central Trading Co —81, Cawasji Patel Street, Fort

DARSHANIMAL TANDON & CO. —Victoria Building, Parsee Bazar Street, Fort, Bombay. Grams: "SEWAKUNJ." Phone: 25104. Importers of all kinds of Yarns. Specialists in all kinds of Woollen Yarns and Silk Yarns Indian and Foreign.

David Sassoon & Co, Ltd —Maneckji Wadia Building, 127, Mahatma, Gandhi Road, Fort

Dawood Hajeer Nasser & Co —Maneckia Chambers, 1st Marine Street, Dhobi Talao

Doongasahi Gangli & Co.—84, Masjid Bunder Road, Bombay 3.

East & West Associates, Ltd —36, Yusuf Building, Churchgate, Street, Fort

Eastern Trading Co —Mahakali Chawl, Pydhonie, Bombay 3.

Express Corporation.—Co-operative Insurance Building, Sir Phirozshah Mehta Road, Fort.

Firoz Trading Co. Ltd.—Kamar Building, Cawasji Patel Street, Fort.

Gorakhram Gokalachand (Estd. 1891).—Chokel Chambers, Zaveri Bazar, Bombay 2.

Gore & Co.—Great Social Building, Sir Phirozshah Mehta Road, Fort.

Gulam Rasul Allahbux.—1/B, Bachooall House, Nowroji Hill Road, No. 1, Bombay 9.

Gurdial Naraindass & Co.—Patel Building, New Silk Bazar, Bombay 2.

Hardacre & Co., J.—Himalaya House, Palton Road, Bombay 1.

Hazarat & Co.—People's Building, Sir Phirozshah Mehta Road, Fort.

Herbertsons Ltd.—11/13, Elphinstone Circle, Fort.

Hindersingh & Co.—36, Abdul Rehman Street, Bombay 3.

Hind Trading Co.—Alii Chambers, Tamarind Lane, Fort.

Hindustan Export & Import Corp. Ltd.—Albert Building, Hornby Road, Fort.

H. V. M. Moosa Motiwalla & Sons, Ltd.—91, Mahomedally Road, Bombay 3.

India Textile Agencies.—Noble Chambers, Parsi Bazar Street, Fort.

Italludla Cotton Co., Ltd.—71 73, Apollo Street, Fort, Bombay.

J. A. Thadani & Co.—People's Building, Sir Phirozshah Mehta Road, Fort.

Jay Bharat Yarn Trading Co.—Tambakanta, Pydhonie, Bombay 3.

Jayashankar Nathalal & Co.—5, Alii Chambers, Tamarind Lane, Fort.

Jehangir J. M. Poonjiajee.—Byramjee Mansion, Sir Phirozshah Mehta Road, Fort.

Kapadia Trading Co.—Botawalla Building, New Silk Bazar, Kalbadevi Road, Bombay 2.

Kavarana, E. F., & Co.—Botawalla Building, Bomanji Master Road, Bombay 2.

Keshavji Virji & Co.—8, Elphinstone Circle, Fort.

KESHAVALAL TALAKCHAND.—30, Manordas Street, Bazargate, Fort. Branches at Ahmedabad, Calcutta, Coimbatore, Madras. Associates at London, Manchester, Aden and Addis Ababa.

Khurya Company Ltd.—Head Office: Beaumon Chambers, 27/33, Medows Street, Fort.

Kishinchand & Co. (India).—138, Hornby Road, Fort.

Kotak & Co.—Menkwa Building, Outram Road, Fort.

Kroz & Co.—Podar Chambers, Parsi Bazar Street, Fort.

K. Motilal & Co.—Sayee Building, 143, Princess Street, Bombay 2.

Latham Abercrombie & Co., Ltd.—Forbes Building, Home Street, Fort.

L. N. Mehta & Sons.—Laxmi Building, Sir Phirozshah Mehta Road.

Mehta & Co., P. N.—Cook's Building, 324, Hornby Road, Fort.

Madhavlal, S., & Co.—Noble Chambers, Parsi Bazar Street, Fort.

Maganlal Parbhudas.—Nakhoda Street, Pydhonie.

Mahendrakumar & Co.—Central Bank Building, Esplanade Road, Fort.

Manekji & Co.—17, Gunbow Street, Fort.

Manubhai Gokaldas.—89, Old Vora Mala, Tambakanta, Bombay 3.

Moosawalla, H. V. M., & Sons, Ltd.—Rangwala Building, 91, Mahomedally Road, Bombay 3.

Moraji Velji & Sons.—7, Kolbhat Street, Post Box 2001, Bombay 2.

Mulraj & Dungarsey & Co., Ltd.—21, Forbes Street, Fort, Bombay.

Orion Trading Co., Ltd., The.—Opp. Round Temple, Sandhurst Road, Bombay 4.

OOMERSEE KESOWJEE & CO. (Estd. 1875).—Post Box No. 1, Bombay. Head Office: Camp Bazar, Cannanore, South India. Grams: "BARTER," Bombay; "KANAIYA," Cannanore.

Pannalal Ramdayal Chindak.—152, Princess Street, Bombay 2.

P. Parbhulal & Co., Ltd.—Whiteaway Laidlaw Building, Hornby Road, Fort.

Pavri, J. K.—11, Karim Chambers, Hamam Street, Fort, Bombay.

Pavri Sons & Co.—93/97, Bazargate Street, Fort.

Podar Trading Co., Ltd.—Podar Chambers, Parsi Bazar Street, Fort.

Ramchand Ambiram—Above Govind Chowk, M. J. Market, Bombay 2.

Ramdas Khimji Bros.—Warden House, Sir Phirozshah Mehta Road, Fort.

Ramkisandas Sagarmal.—Kalyan Bhuvan, 354, Kalbadevi Road.

Rangoonwalla, H. N.—Rangoonwalla Building, 91, Mohammedally Road.

Ratlal Dahyabhai Shah.—Hanuman Building, Tambakanta, Pydhonie, Bombay 3.

SANKALCHAND G. SHAH & CO. LTD.—Hanuman Building, Tambakanta, Bombay No. 3. Tel. Nos. 20765 & 23353. Grams: "FORCE". All kinds of yarns including cotton yarns, woollen yarns, artificial silk yarns. Branches: Ahmedabad, Amritsar, Ludhiana, Hoshiarpur, Madras, Calcutta, Karachi, New York, London, etc.

SAPT TEXTILE PRODUCTS (INDIA) LTD.—Sapt Building, Graham Road, Ballard Estate.

Sewaram Girdharilal.—354, Kalbadevi Road, Bombay 2.

S. Manubhai & Co.—Albert Building, 346, Hornby Road, Fort.

S. Nagam & Co.—418, Kalbadevi Road.

SORABJI NOWROJI & CO.—16, Horniman Circle, Fort.

Star Rope Works, The.—87, Sun Mill Road, Lower Parel, Bombay 13.

SUBODHCHANDRA POPATLAL.—(Estd. 1915). Exporters & Importers, 223-25, Sheikh Memon Street, Bombay 2. Grams: "NAYAN." Phones: Office 30624 & 20645; Res.: 32220.

Suchin & Co.—65, Lakshmi Building, Sir Phirozshah Mehta Road, Fort.

Surat Yarn Exchange Co.—141, Princess Street, Bombay 2.

Tavaria Brothers—Dhun Nur, Sir Phirozshah Mehta Road, Fort.

Textile Works Ltd.—49-55, Apollo Street, Fort.

T. Vrajlal & Co.—16, Bell Building, Sir Phirozshah Mehta Road, Fort.

Vadilal Vrajlal & Co.—Peerbhoy Building No. 2, 89, Princess Street, Bombay 2.

Vimalis.—106, Medows Street, Fort.

Western Link Co.—19, Bank Street, Fort.

Yacoub Ahmed Brothers—Topiwalla Mansion, Mohamedally Road.

Yarn Trading Co.—95, Famba Kanta, Bombay 3.

ZINC SHEET

NAGDEVI TOOL-STEEL MART.—Nagdevi Street, Bombay 3.

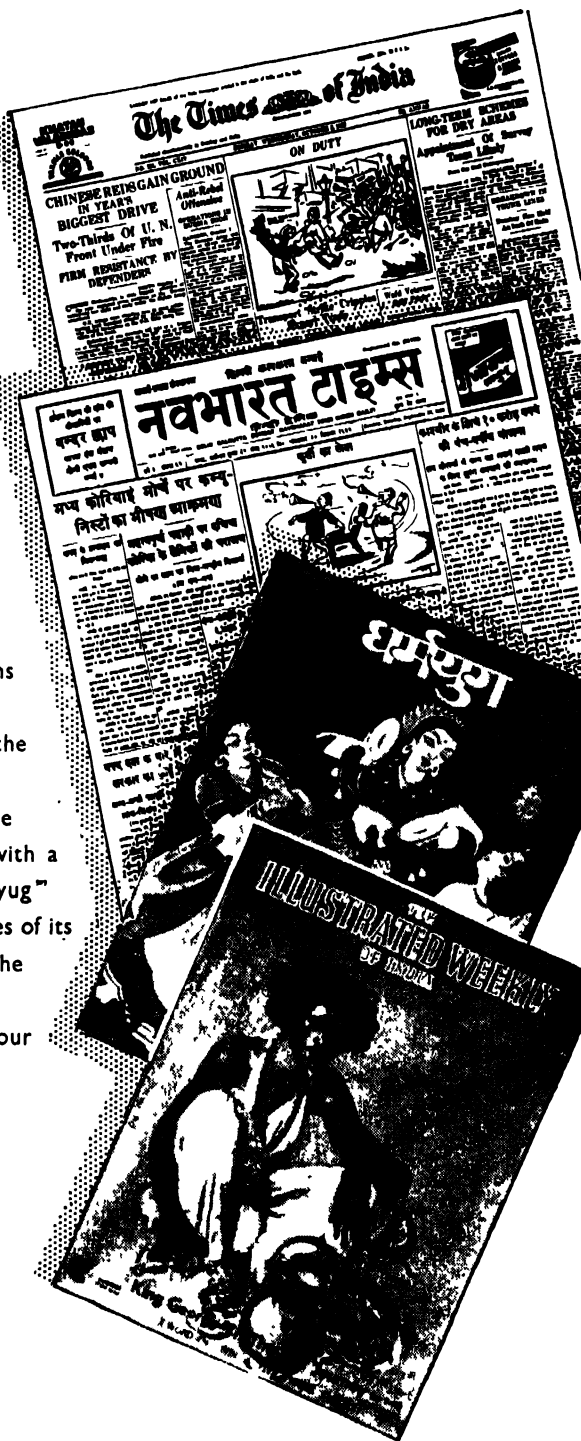
Non-Ferrous Metal Refinery.—5, Chintamani Temple Building, 2nd Bhorwada Bombay 2.

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TIMES OF INDIA
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AHMEDABAD DISTRICT

Headquarters : Ahmedabad.

Talukas or Mahals : Daskroi, Dhandhuka-Ranpur, Dholka, Dehgam, Virangam, City Taluka, Sanand.

A District in Gujarat belonging to the Gujarat Division of Bombay State it lies between North Latitude 28° 23' and 23° 37' and East Longitude 71° 21' and 70° 28'. It is bounded on the north by Mehsana and Sabarkantha Districts, on the west by Saurashtra and the Rann of Kutch, on the south by Saurashtra and Kaira Districts, and on the east by Kaira. The total area of the District is 3,529 sq. miles. The population is 1,685,630. The language spoken is mainly Gujarati.

In the extreme south of the District and also just beyond the northern boundary are a few rocky hills. But between these two points the whole District forms a level plain, gradually rising towards the north and east. The chief physical feature is the river Sabarmati which rises in the north-east, near the extremity of the Aravalli Range and flows towards the south-west falling finally into the Gulf of Cambay.

The District as a whole is open and poorly wooded. The chief trees are mango, rayan, mahua and nim. Many of the trees and shrubs supply food, medicines and material for dyeing and tanning.

The rainfall varies but slightly between the central portions of the District and the outlying tracts. The annual rainfall averages about 30 inches.

The principal towns in the District are besides Ahmedabad, Virangam, Dholka, Daskroi, Dhandhuka, Dholera, Dehgam and Sanand. Dehgam Taluka has been selected for development under the village extension services scheme, recently.

The chief food crops are wheat, jowar and bajra and the chief money crop, cotton. The best rice is grown in Daskroi and the next best in Sanand and Dholka. The cotton which has a good staple is mainly grown in the Dhandhuka and Dholka Talukas. In Daskroi and Dholka many garden crops are also grown.

Ahmedabad city which is the second biggest textile centre in India is the only large industrial area in the District. The number of textile mills and factories is about 150 including 61 textile mills. Ahmedabad is also a centre of railway communications. One line from Ahmedabad goes south-east to Baroda and Bombay; another goes south to Dholka, a third goes west to Virangam where it joins the Saurashtra railway system; a fourth goes north-east through Parantij; and a fifth north through Palanpur and Ajmer.

With the establishment of the Gujarat University, Ahmedabad has become an important educational centre. It has over 16,000 alumni in Gujarat, Saurashtra and Kutch. The Ahmedabad Textile Industry's Research Association is the first institute of its kind in the whole of India. Ahmedabad is linked by air with Bombay, Jaipur, Delhi and Karachi.

The population of Ahmedabad City according to the 1951 census is 788,333.

DIRECTOR OF LOCAL AUTHORITIES

Director, Northern Division : V. Iswaran, I.C.S.

Personal Assistant : N. S. Dixit, B.A.

Head Clerk : B. K. Gajjar.

AHMEDABAD COLLECTORATE

Collector and Dist. Magistrate, M. D. Rajpal, I.A.S.

Asst. Collector, Dholka Prant, R. A. Naik, I.A.S.

Supr. Asstt. Collector, R. D. Pradhan, I.A.S.

P. A. to Collector and Addl. D.M., R. T. Randive, B.A.

Addl. P. A. to Collector, J. K. Trivedi, B.A.

Prant Officer, Virangam Prant, J. V. Vyas, M.Sc.

City Magistrate, M. D. Patel, B.A.

Sub-Divisional Magistrate, A. D. Barot, B.A.

District Supply Officer, D. Bose, B.A.

Food Controller, K. M. Mulla, B.A.

Administrator, Sardarnagar, B. R. Manepatil, M.A.

City Deputy Collector, V. M. Gokhale, B.A.

Special Officer, B.T.T.A., Q. F. Campwalla, M.A.

Addl. City Magistrate, C. D. Gosula, B.A., LL.B.

2nd Addl. City Magistrate, G. B. Nabar.

3rd Addl. City Magistrate, B. N. Naik, B.A., LL.B.

4th Addl. City Magistrate, B. B. Mazmudar, B.A., LL.B.

5th Addl. City Magistrate, R. M. Parikh, B.A., LL.B.

6th Addl. City Magistrate, G. N. Ambawane.

7th Addl. City Magistrate, K. N. Parikh, B.A., LL.B.

8th Addl. City Magistrate, P. M. Patel, Bar-at-Law.

Resident Magistrate, Ahmedabad, S. M. Vyas, B.A., LL.B.

Resident Magistrate, Daskroi, N. J. Patel, B.A., LL.B.

Stipendiary F. C. Magistrate (Rly.), C. C. Parikh, B.A., LL.B.

Stipendiary F. C. Magistrate (Municipal Corporation), B. D. Parikh, B.A., LL.B.

Addl. Stipendiary F. C. Magistrate (Municipal Corporation), S. M. Chhaya, B.A., LL.B.

Resident Magistrate, Virangam, M. K. Lakhtaria, B.A., LL.B.

Resident Magistrate, Dholka, S. N. Chaudhary, B.A., LL.B.

Huzur Mamlatdar, Ahmedabad, P. D. Thakkar, B.A.

Asstt. Custodian of Evacuee Property, R. T. Shah, M.A.

Chubis to Collector, D. B. Pathak, B.A. (Hons.).

Extra Chubis to Collector, G. C. Amin.

Head Clerk to Collector, R. M. Doshi, B.A.

Mamlatdar, City Taluka, V. P. Soni.

Mamlatdar, Dholka Taluka, T. K. Lembhe, B.A.

Mamlatdar, Daskroi Taluka, C. P. Mehta.

Mamlatdar, Virangam Taluka, A. F. Gandhi.

Mamlatdar, Dhandhuka Taluka, R. J. Pandya, B.A.

Mamlatdar, Dehgam Taluka, R. P. Vyas, B.A.

Mahalkari, Sanand Mahal, A. M. Shah.

Godown Officer, Ahmedabad, K. K. Desai.

Rationing Officer, Ahmedabad, A. K. A. Gollandaz, M.A.

Textile Officer, S. R. Vyas.

Income Tax Recovery Mamlatdar, B. H. Oza.

Statistician to Food Controller, D. S. Vasavda, B.Com.

Asstt. Registrar of Moneylenders, N. H. Thakkar, M.Com.

Jt. Secretary, Dist. Development Board, H. V. Patel, B.A.

Camp Clerk to Collector, V. Ramnathan.

Chief Entertainment Duty Inspector, L. S. David.

Head Accountants, I. R. Mansuri, M. H. Chitre.

Regional Publicity Officer, V. M. Thakore, B.A.

JUDICIAL DEPARTMENT

District and Sessions Judge, Ahmedabad, B. C. Vakil, B.A. (Hons.), LL.B.

Assistant Judge and Addl. Sessions Judge, Ahmedabad, M. T. Vijaykar, B.A., LL.B.

Extra Assistant Judge and Addl. Sessions Judge, Ahmedabad, P. J. Majumdar, B.A. (Hons.), LL.B.

Second Extra Assistant Judge and Addl. Sessions Judge, Ahmedabad, V. D. Desai, B.A., LL.B.

Third Extra Assistant Judge and Addl. Sessions Judge, Ahmedabad, K. M. Hanbarhatti, M.A., LL.B.

Judge, Small Causes Court, Ahmedabad, B. G. Desai, B.A., LL.B.

Civil Judge, Senior Division, Ahmedabad, K. A. Mehta, B.A., LL.B.

Joint Civil Judge, Senior Division, Ahmedabad, H. I. Bhatt, B.A., LL.B.

Second Joint Civil Judge, Senior Division, Ahmedabad, K. S. Majumdar, B.A., LL.B.

Third Joint Civil Judge, Senior Division, Ahmedabad, Vacant.

Joint Civil Judge, Junior Division, Ahmedabad, A. M. T. Waqar, M.A., LL.B.

Second Joint Civil Judge, Junior Division, Ahmedabad, K. A. Joshi, B.A., LL.B.

Third Joint Civil Judge, Junior Division, Ahmedabad, I. C. Sheth, B.A., LL.B.

Fourth Joint Civil Judge, Junior Division, Ahmedabad, D. L. Bhojwani, B.A., LL.B.

* To be Commissioner, Ahmedabad Municipality on May 1, 1954.

Fifth Joint Civil Judge, Junior Division, Ahmedabad, N. D. Gehani, B.A., LL.B.

Civil Judge, Junior Division, Dholka, B. N. Makani, B.A., LL.B.

Civil Judge, Junior Division, Dhandhuka, C. H. Desai, B.A., LL.B.

Civil Judge, Junior Division, Viramgam, I. P. Bhatt, B.A., LL.B.

Civil Judge, Junior Division, Dehgam, C. D. Pancholl, B.A., LL.B.

Joint Civil Judge, Junior Division, Dehgam, N. J. Patel, B.A., LL.B.

Civil Judge, Junior Division, Himatnagar, K. N. Alimchandani, B.A., LL.B.

Civil Judge, Junior Division, Idar, V. M. Mehta, B.A., LL.B.

Civil Judge, Junior Division, Modasa, V. B. Wakade, B.A., LL.B.

Registrar, Small Causes Court, Ahmedabad, V. B. Joshi, B.A.

Clerk of the Court, District and Sessions Court, Ahmedabad, B. B. Kadri, B.A.

Head Clerk, District Court, Ahmedabad, P. C. Patrick.

Nazir, District Court, Ahmedabad, R. M. Shukla.

POLICE DEPARTMENT

Dy. Inspector General of Police, Northern Range, K. J. Nanavathi, I.P.

Dist. Supdt. of Police, Ahmedabad City, K. S. Pavri, I.P.

Addl. Dist. Supdt. of Police, Ahmedabad City, A. N. Kagal, M.A.

Sr. Supdt. of Police, C. J. V. Miranda.

Dy. Supdts. of Police, City Charge, S. D. Rege, I.P.S. ; R. M. Desai.

POLICE PROSECUTORS

City Charge :

C. B. Gadarla ; K. S. Desai ; I. J. Majmudar ; J. S. Desai ; C. P. Chhatrapati ; S. G. Pradhan ; C. J. Trivedi ; R. D. Kavina ; A. B. Shah ; M. M. Mehta ; B. R. Modi.

POLICE INSPECTORS

City Charge :

R. M. Gohil ; C. C. Patel ; K. V. Siddhye ; B. R. Chavan ; M. S. Ahirao ; R. R. Ghorapade ; N. T. Parnik ; B. S. Kuthi ; R. M. B. Salyad ; V. N. Satpute ; D. B. Patil ; R. H. Raghuvanshi ; S. N. Acharya ; S. M. Pandya.

AHMEDABAD DISTRICT RURAL CHARGE

Addl. D. S. P. Ahmedabad Rural, S. P. Marathe, B.A., LL.B., I.P.S.

A.S.P., S. D., S. M. Warty, I.P.S.

Dy. S.P., A.C.L.C., L. B. Deshmukh.

Police Inspectors, S. L. Pagar ; D. A. Petiwal ; B. A. Barot.

Police Prosecutors, M. A. Shalkh ; D. N. Purohit ; M. G. Gandhi ; R. J. Pathak ; D. M. Shukla.

CENTRAL EXCISE DEPARTMENT

Superintendent, Central Excise, Ahmedabad : R. P. Laxpati.

Deputy Superintendent, Aerodrome, Ahmedabad : K. M. Vyas.

Deputy Superintendent, Executive, Ahmedabad : R. J. Pardiwalla.

Inspector, Aerodrome, Ahmedabad : M. L. Kholkute.

Inspector, Aerodrome, Ahmedabad : G. N. Mori.

Inspector, Aerodrome, Ahmedabad : M. L. Patel.

Inspector, Aerodrome, Ahmedabad : I. B. M. Patil.

Range Officers, Central Excise, Ahmedabad : R. M. Patil ; J. D. Ambegaokar ; N. L. Shrawane ; S. M. Christian.

Range Officer, Central Excise, Modasa : S. M. Mongrulkar.

Range Officer, Central Excise, Adalaj : N. S. Pathak.

Range Officer, Central Excise, Ahmedabad Rural : B. K. Thakkar.

Range Officer, Central Excise, Bayad : S. A. Kadri.

Range Officer, Central Excise, Khedbrahma : M. N. Joshi.

Range Officer, Central Excise, Himatnagar : A. M. Mulla.

Range Officer, Central Excise, Dehgam : A. F. Malek.

Range Officer, Central Excise, Idar : B. N. Shah.

Range Officer, Central Excise, Prantij : H. H. Mirza.

Range Officer, Intelligence & Preventive, Ahmedabad : I. P. Mahida.

CENTRAL EXCISE DEPARTMENT (SALT)

PRITCHARD SALT WORKS

Assistant Salt Controller, Kharaghoda, P. J. Cooper.

Superintendent, Pritchard Salt Works, Kharaghoda, S. S. Vyas, B.A.

Inspector, Pritchard Salt Works, Kharaghoda, S. K. Paul, B.Sc.

Inspector, " " " " B. V. Sahaarabudhe, B.Sc. (Hons.).

Inspector, Pritchard Salt Works, Kharaghoda, A. B. Mahedu.

Inspector, Main Salt Stores, Kharaghoda, J. D. Mehta.

Inspector, " " " " K. P. Chalisahar, B.Sc.

Medical Officer, K.O.D., L. P. Vyas, L.C.P.S. (Bom.).

TOWN-PLANNING AND VALUATION DEPARTMENT

Asst. Consulting Surveyor to Govt. and Arbitrator, Town Planning Schemes, Ahmedabad : R. M. Parikh, B.E. (Civl), F.I.A.S. (Lond.), A.M.I.E., A.M.I.M.E. (Lond.), M.R.San.I (Lond.).

Special Land Acquisition Officer, Ahmedabad : N. Y. Joshi.

Additional Special Land Acquisition Officer, Ahmedabad : P. V. Saswadkar.

Junior Assistant to the Consulting Surveyor to Govt., Ahmedabad : S. R. Jambhekar.

Head Clerk, Town-Planning & Valuation Department, Ahmedabad Branch : Manilal T. Desai.

EXECUTIVE ENGINEER'S OFFICE, P.W.D.

Executive Engineer, Ahmedabad : R. D. Bakori, B.E.

Dy. Engineer, City Sub-Division : T. H. Zala, B.E.

Dy. Engineer, Viramgam Sub-Division : B. K. Mehta, B.E.

Dy. Engineer, Dhandhuka : G. M. Tank, B.E.

Dy. Engineer, Co-op. Lift Irrigation Schemes, Ahmedabad : R. V. Lakhanl.

Dy. Engineer, Ahmedabad Construction Sub-Division : N. D. Parmar, B.E.

Divisional Accountant : N. S. Kunchur, B.A. (Hons.).

Head Clerk : J. H. Vyas.

IRRIGATION DIVISION, AHMEDABAD

Executive Engineer : N. K. Patel.

Asst. Engineer, Irrigation Project Sub-Division, Ahmedabad : M. D. Patel.

Deputy Engineer, Meshwa Canal Sub-Division : J. R. Vohra.

Deputy Engineer, Ahmedabad Irrigation Sub-Division : V. M. Dave.

Deputy Engineer, Vijapur Tube-Well Sub-Division : V. V. Karandikar.

Divisional Accountant : C. B. Patel.

Head Clerk : P. S. Gosal.

REGIONAL TRANSPORT OFFICE

Regional Transport Officer : Captain Y. S. Keshbekar, B.A. (Hons.).

Regional Supervisor : R. D. E. Obed.

Motor Vehicle Inspectors : C. M. Nair ; M. V. C. Pathy ; S. B. Udawadia ; J. K. Irani ; M. R. Dastoor.

Assistant Motor Vehicle Inspectors : K. A. Vania ; F. N. Chinwalla ; S. R. Kothawala.

Head Clerk : V. S. Kore.

LAND RECORDS AND SURVEY OFFICES

Superintendent, Land Records, Ahmedabad Circle : V. R. Kulkarni.

Headquarters Asst., Central Record Office, Baroda : I. V. Patel.

Head Clerk to the Superintendent, Land Records, Ahmedabad Circle, A. B. Adoti.

Shrivastedar to the Superintendent, Land Records, Ahmedabad Circle, B. K. Mahida.

District Inspector, Land Records, Ahmedabad : P. B. Matadar.

District Inspector, Land Records, Kaira : T. L. Desai.

District Inspector, Land Records, Baroda, H. C. Shah.
District Inspector, Land Records, Mehsana, C. M. Shah.
District Inspector, Land Records, Banaskantha, M. N. Panchal, B.A.
District Inspector, Land Records, Sabarkantha, H. K. Puraul.
Asstt. District Inspector, Land Records, Amreli, T. K. Desai.
Asstt. District Inspector, Land Records, Ahmedabad, P. C. Shah.
Asstt. District Inspector, Land Records, Baroda, R. J. Patel.

REGISTRATION OFFICE

District Registrar, M. D. Rajpal, I.A.S.
Headquarters Sub-Registrar, A. N. Shah, B.Sc.
II Jt. Sub-Registrar, I. M. Setalvad.
III Jt. Sub-Registrar, K. S. Bhatt, B.A. (Hons.)

POSTS AND TELEGRAPHS

Senior Supdt. of Post Offices, Ahmedabad, S. M. Ghosh, I.P.S.
Asstt. Supdt. of Post Offices, Ahmedabad, C. M. Shah.
Postmaster, J. N. Gursahani, B.Sc.
Deputy Postmaster, J. K. Wadhvani.
Assistant Postmasters, B. M. Rawal; P. P. Pawar; C. R. Shah; N. N. Porell.

TELEGRAPH DEPARTMENT

Superintendent, Vacant.
Asstt. Supdt., J. F. Atzenwiler.
Telegraph Masters, K. P. Dave; C. J. Patel; E. Neves; D. S. C. Martin; R. C. Kinkhabwala; A. W. Lawrie; C. R. Shah; U. M. Adhvaryu; S. G. Dikshit; R. N. Shrivatsa.
Electric Supervisors, S. P. Naidu; N. S. Deshmukh; C. T. Kansara.
Head Clerks, B. P. Desai; R. P. Acharya; B. G. Pandya; F. B. Jani.

TELEGRAPH DEPT., TECHNICAL SECTION

S. D. O., Telegraphs, T. Subramanian.
Engineering Supervisors, Telegraphs, A. S. Padmanabhan; G. R. Kulkarni; K. Ramkrishnan.
Engineering Supervisors, Carriers, Gulam Nabi; K. B. Hodliwala.
S.D.O. (Phones), T. R. Narayanan.
L. S. G. (Monitor), S. Quazi.
E. S. (Maintenance), B. J. Bukhari; P. M. Pandya.

ENGINEERING DEPARTMENT

Dist. Engr. Teles. (Ahmedabad Dn.), P. M. O'Reilly.
Dy. Dist. Engineer, Teles, J. F. Franco.
Dist. Accts., S. Mahalingam; S. Krishnaswamy.

TELEPHONE OFFICERS

Executive Engineer, Indian Posts and Telegraphs Dept., Telephones, N. S. V. Subramaniam.
Asstt. Executive Engineer, Telephones, A. J. Alva.
Asstt. Executive Engineer, Installation, T. P. Gulrajani.
Head Clerk, V. M. Desai.
Divisional Accountant, N. B. Unhale.
Engineering Supervisor, Telephones, N. B. Rajput.
Exchange Inspectors, Telephones, A. Dayananda; N. V. Parikh; S. D. Soni; U. Arvindakshan.

SABARMATI CENTRAL PRISON

Superintendent, Central Prison, R. K. Anklesaria, B.A. (Hons.).
Dy. Supdt., Lt.-Col. (Retd.) S. C. Chavan.
Senior Jailer, S. S. Khanolkar.
Factory Jailer, S. B. Gosavi.
Medical Officer, Dr. K. M. Wadhvani, M.B.B.S.

EDUCATIONAL DEPARTMENT

Educational Inspector, Ahmedabad and Amreli Districts, Dr. S. S. Ralchur, M.Ed., Ph.D.
Deputy Educational Inspector, Ahmedabad, Kumari H. M. Desai, B.Sc. II, B.T., Dip. in Basic Ed. II.
Administrative Officer, District School Board, Ahmedabad, M. S. Shah.
Head Clerk to Educational Inspector, Ahmedabad and Amreli Districts, R. G. Shah.

RAILWAY OFFICERS

District Traffic Supdt., Broad-Gauge, Capt. R. Srinivasan.
Executive Engineer, G. N. Metha.
District Mechanical Supdtg. Engineer, S. S. Lal.
Asstt. Mechanical Engineer, M. Bhagwandas.
Asstt. Engineer, Western Railway, N. V. Modi.
Asstt. Traffic Supdt., Broad-Gauge, Pesi Jehangir.
Head Traffic Controller, Maganlal G. Desai.
Chief Clerk to the Dist. Traffic Supdt., Laxmishanker B. Bhatt.
Head Clerk to the District Loco. & Carriage Supdt., Laxmanrao M. Andar.
Head Clerk, Executive Engineer's Office, K. W. Parkar.
Permanent Way Inspector, Ramchandra I. Desai.
Traffic Inspector, Jata Shanker Pancholi.
Station Supdt., R. D. Singh.
Head Clerk to the Station Supdt., Nandlal.
Head Enquiry Clerk, Ramniklal Massur.
Loco. Inspector, M. Rattanji.
Carriage and Wagon Inspector, M. Ambalal.

INCOME-TAX OFFICERS, AHMEDABAD RANGE

Inspecting Assistant Commissioner of Income-tax, Ahmedabad Range Ahmedabad, Ch. Raj Singh, M.Sc., LL.B.
Appellate Assistant Commissioner of Income-tax, Ahmedabad Range I, Ahmedabad, H. A. Shah, B.Com. (Bom.), B.Com. (Lond.).
Appellate Assistant Commissioner of Income-tax, Ahmedabad Range II, Ahmedabad, Mohamed Swalehuddin, B.Com.
Appellate Assistant Commissioner of Income-tax, Ahmedabad Range III, Ahmedabad, Hans Raj Puri, B.Sc.
Income-tax Officers, Ahmedabad, V. C. Desai, B.A. (Hons.), LL.B. (Income-tax Officer, E. P. T. Circle, Ward-C and Authorised Official, Income-tax Investigation Commission, Ahmedabad), M. H. Desai, B.Com., LL.B., A.C.A. (Income-tax Officer, Special Circle I, Ward-A, Ahmedabad); R. N. Nagwarkar, B.A. (Hons.) (Income-tax Officer, Special Circle I, Ward-B, Ahmedabad); V. D. Sonde, B.A. (Hons.), LL.B. (Income-tax Officer, Special Circle I, Ward-C, Ahmedabad); S. M. Shah, B.Sc. (Income-tax Officer, Special Circle I, Ward-D, Ahmedabad); S. Prasad, M.Sc. (Income-tax Officer, Special Circle I, Ward-E, Ahmedabad); V. Muthuswamy, B.A. (Hons.) (Income-tax Officer, Special Circle I, Ward-F, Ahmedabad and Special Circle I, Addl.-Ward-D, Ahmedabad); S. R. Mehta, M.A. (Income-tax Officer, Special Circle II, Ward-A, Ahmedabad); C. G. Joshi, M.A., LL.B., B.Com. (Income-tax Officer, Special Circle II, Ward-B, Ahmedabad); D. S. Bapat (Dip. Com. Govt.) (Income-tax Officer, Circle I, Ward-A, Ahmedabad); G. M. Desai (Income-tax Officer, Circle I, Ward-B, Ahmedabad); N. D. Bhatt, B.A. (Income-tax Officer, Circle I, Ward-C, Ahmedabad); M. N. Krishnaswamy, M.Sc. (Income-tax Officer, Circle I, Ward-D, Ahmedabad); T. K. Shrinivasan, M.A. (Income-tax Officer, Circle I, Ward-E, Ahmedabad); V. C. Dave, LL.B. (Income-tax Officer, Circle II, Ward-A, Ahmedabad); M. S. Khamkar, B.A. (Hons.) (Addl. Income-tax Officer, Circle II, Ward-A, Ahmedabad); S. R. Tawade, B.A., LL.B., B.A. (Hons.) (London), Bar-at-Law (Income-tax Officer, Circle II, Ward-B, Ahmedabad); N. K. Trivedi, B.A. (Hons.) (Addl. Income-tax Officer, Circle II, Ward-B, Ahmedabad); M. A. Twigg, B.A. (Hons.) (Income-tax Officer, Circle II, Ward-C, Ahmedabad); N. U. Rawal, B.A. (Hons.), LL.B., A.C.A. (Addl. Income-tax Officer, Circle II, Ward-C, Ahmedabad); S. Rajratnam, M.A. (Income-tax Officer, Circle II, Ward-D, Ahmedabad); B. C. Shah, B.Sc. (Addl. Income-tax Officer, Circle II, Ward-D, Ahmedabad); K. D. Parikh, B.A. (Hons.) (Income-tax Officer, Circle II, Ward-E, Ahmedabad); M. S. Patel, B.A. (Income-tax Officer, Circle II, Ward-F, Ahmedabad); R. B. Antin, B.A. (Income-tax Officer, Circle III, Ward-B, Ahmedabad); G. G. Desai, B.A. (Addl. Income-tax Officer, Circle III, Ward-B, Ahmedabad); D. D. Shah, M.A., LL.B. (Income-tax Officer, Circle III, Salaris, Ahmedabad); P. N. Gulve (Income-tax Officer, Circle III, Refunds, Ahmedabad); K. C. Thomas, M.A. (Income-tax Officer, S.I.B. and S.S.C. I, Ahmedabad); S. T. Tipre, B.Sc. (Income-tax Officer, Palanpur); A. M. David, B.A., LL.B. (Addl. Income-tax Officer, Palanpur).

AHMEDABAD MUNICIPAL CORPORATION

Name of the Candidate	Place and Address	Name of the Candidate	Place and Address
Election Ward No. 1		Election Ward No. 9	
Brahmakumar Ranchhodla Bhatt.	2237, Bana's Pole, Raipur.	Jayantilal Bhikhabhai Shah	Parna Kunj, Ambawadi, Ellis Bridge.
Ramnuklal Sunderlal Inamdar	1539, 2-3, Bhajgovind Vaidya's Khadki, Sarangpur.	Ansuyaben Ramniklal Parikh	Shantniketan Society, Ellis Bridge.
Krushnalal Trilokmlal Desai	Lakhla's Pole, Khadla.	Dahyabhai Kallidas Patel	Mithakhali, Ellis Bridge.
Election Ward No. 2		Election Ward No. 10	
Charumatiben Ramprasad Yodhdha.	Jatl's Pole, Sankdi Sheri.	Dalpatbhai Jethabhai	Darjapur, Dhabgarwad, Harijanivas.
Martandray Gangashanker Shastri	708, Bapa Shastri's Khadki, Sankdi Sheri.	Lakhaji Kunvarji	1365, Ambaji's Mata's Vas, Madhavpura.
Jeshingbhai Bhogilal Shah	Panangar's Khadki, Dhal's Pole	Babulal Mohanlal	1108, Juna Madhavpura.
Election Ward No. 3		Mohanbhai Narsibhai	Room No. 66, Block No. 4 Advance Mill's Chawl outside Delhi Darwaja.
Chinubhai Chimanlal Sheth	Pankor Naka Vanda.	Election Ward No. 11	
Chandrakant Chhotalal Gandhi	Laxmi Nivas Society, Ellis Bridge	Jethalal Khushaldas Parmar	New Vanker Housing Society, Pritampura.
Narottambhai Chandulal	Latif Vila, Shahibag.	Prahladbhai Jijibhai	640, Panchidas' Street, Juna Asarwa
Premchand Vithaldas Shah	Opp. Zarola's Pole, Dhanasatar's Pole, Kalupur.	Ishwarlal Parshottamdas Patel	Trilbhuvandas Gordhandas' Chawl, near Jehangirpura, Asarwa.
Chandbhai Gulamrasul Nizami	1600, Tanksha's Pole, Kalupur	Zinabhai Trilbhuvandas Patel	Asarwa, Venidas' Street
Election Ward No. 4		Arvindlal Navranglal Buch	Major Mahajan Sangh, Bhadra.
Maneklal Narandas	501, Moti Hamam's Pole, Ghee Kanta	Election Ward No. 12	
Narottambhai Keshavlal Zaveri	2972, Ambli's Pole, Zaverivad.	Somabhai Ramjibhai Parmar	Magan Bhagwan's Chawl
Natvarlal Nathulal Vakil	Maliwada's Pole, Shahpur.	Vinodbhai Nagindas Shah	Keshavlal Maganlal's Chawl, near Saraspur Mill's Bari Itwada
Kantilal Fulchand Ghilya	310, Morla Parashnath's Khadki, near Krishna Chema	Baldevbhai Amrutlal Patel	1193, Vasansheri, Saraspur
Dr. Mahamadshafi Aliibhai Mansuri	Pankore Naka.	Abdulhamid Maulabax Ansari	661, Talla's Pole, Saraspur
Election Ward No. 5		Shankerlal Damaji Barot	334, Pujari's Chawl, Vrajlal Paru, Saraspur, outside Rakhalal Darwaja
Kamlaben Ratanchand Sutaria	C/o Shri Ratanchand Malichand Sutaria, 33, Jain Society, Ellis Bridge.	Laxar Sheri, Saraspur.	
Dahyabhai Sankalechand Patel	106, Moti Maheta's Pole, Vadigam, Darjapur.	Election Ward No. 13	
Chandulal Lalubhai Patel	Swastik Sadan, Jada Bhagat's Pole, Darjapur.	Kantilal Narandas Patel	Havada's Pole, Gomtipur
Ismail Mahadibhai Mansuri	Dabgarvad, Darjapur.	Manherlal Tuljashanker Shukla	84, Moti Kadhyavad, Vadigam, Darjapur.
Krushnalal Mahipatram Patel	Mahadev Valo Khauchio, Harmanvali's Pole, Darjapur	Purshottamdas Trilbhuvandas Brahmbhatt	Sevasadan, Gomtipur.
Election Ward No. 6		Mohanbhai Jiyabhai Patel	508 81, Kashturbhai's Chawl near Vikram Mill, Saraspur, outside Rakhyall Darwaja.
Ishverlal Moraribhai Vaghela	Shahpur, Vankervas, behind Rajaji's Pole.	Election Ward No. 14	
Shantilal Mantul Patel	Shahpur Bhavanparu	Ramiben Valabhai Rathod	Raipur, near Manarwada, Bhogilal's Chawl
Ishvarlal Maganlal Bhavsar	Shahpur, Vadikotdi's Pole	Umedbhai Laljibhai Parmar	Mansuri Chawl No. 2, Raipur
Lalubhai Chimanlal Shah	Khanpur, Patel Society.	Dahyabhai Punjabhai Patel	25 B, Swaminarayan's Building, Khokhra Mahendabad
Raja Gularkhan Dostmahmadkhan.	Sardar Manzil, near Shahpur Mill	Ibrahim Mahmadbhai Maniar	1308, Kuvavalo Khauchio, Raipur.
Election Ward No. 7		Election Ward No. 15	
Dr. Anubhai Prabhashanker Shukla	33, Adarsha Society, Ellis Bridge.	Khemabhai Maganlal Leuva	69 b 54, Jivanlal's Chawl, Baharampur.
Kanchandal Bhurabhai Parikh	Mandvi's Pole, opp. Surdas Sheth's Pole.	Dr. Jayantlal Jamiyatram Vyas	62, Garden Ward, Mantnagar
Atmaram Lalubhai Kachhia	Mohan Building, 2100/5, outside Haldi's Pole, Kachhia Sheri, Jamalpur.	Sarojben Venibhai Patel	Mahipatram Rupram Anathashram, Raipur, outside Raipur Gate.
Dr. Gulamali Mahmadbhai Momin	Taipur, Khajuri's Pole	Becharbhai Kasalabhai Parmar	Vijayanagar Housing Society, Kankaria.
Karimji Remanji Chhipa	Panch Pipli, near Bhungall's Pole		
Election Ward No. 8			
Nathulal Galabhai Parmar	Raikhad, Chorgall, Vankervas.		
Maheshchandra Jashvantlal Shah	1071, Salvi's Pole, Raikhad.		
Hemlata Harishchandra Hegishte	Bhadra		
Mustafahusein Bavamiya Kadri.	Raikhad, Diwan Bungalow.		

CHAIRMEN OF COMMITTEES

Name of the Chairman	Name of the Committee
Ramnuklal Sunderlal Inamdar	Standing Committee
Dr. Anubhai Prabhashanker Shukla.	Health Committee
Narottamdas Chandulal	Transport Committee
Natvarlal Nathulal Vakil	Legal Committee
Premchandbhai Vithaldas Shah	Public Works Committee
Jayantilal Bhikhabhai Shah	Refuse and Sewage Committee
Kantilal Fulchand Ghilya	Town Planning Committee
Mustafahusein Bavamiya Kadari	Recreational and Cultural Committee

OFFICERS

Mayor, Chinubhai Chimanbhai Sheth, B.A.
 Deputy Mayor, Chandrakant Chhotalal Gandhi, B.A., LL.B.
 Municipal Commissioner, Bhogilal Prabhudas Patel, B.Sc., Bar-at-Law, I.C.S.
 Deputy Municipal Commissioner, P. R. Chauhan, B.A. (Cantab.), Bar-at-Law.
 Personal Assistant to the Municipal Commissioner, G. G. Shalkh, LL.B.
 Dy. Chief Officer, Shankerlal Panachand Shah, B.A.
 Office Superintendent, S. L. Shastri.
 Statistician, Vidyadhar Shanker Gandre, M.A. (Bom.), A.M. (Columbia, U.S.A.).
 Municipal Chief Auditor, Chandulal Bhagubhai Dalal, B.Com., D.P.A. (Lond.).

* To be General Manager, B.E.S.T., Bombay on May 1, 1954.

Dy. Municipal Chief Auditor, Pranilvandas Baldevdas Patel, B.Com., C.A.
Municipal Secretary, Mukundray Krupashanker Adhyaru, B.A. (Hons.), L.S.G.D.
Publicity Officer, Vithalbhaj Dharmabhai Patel, B.A. (Hons.), Vineet.
Medical Officer of Health, Dr. R. D. Vohra, M.B.B.S., D.P.H. (Lond.).
Sr. Dy. Health Officer (Food), Dr. Anuprasad P. Dixit, M.B.B.S. (Bom.), B.Sc. (Microbiology).
Sr. Dy. Health Officer, Dr. M. V. Sane, M.B.B.S., B.Hy.
Jr. Dy. Health Officer, Dr. A. G. Purohit, L.C.P.S., L.S.G.D.
Officer-in-Charge, Public Health Laboratory, Dr. D. G. Vyas, M.B.B.S. (Bom.), D.T.M. (Calcutta).
City Engineer, Kantilal M. Kantawala, B.E., A.M.I.E. (India), M.I.T.S.T., M.E. (Lond.).
Dy. City Engineers, Girish Chandra S. Desai, B.E. (Civil), A.M.I.E., L.S.G.D.; V. T. Mone, B.Sc., A.M.I.E., Manibhai M. Patel, B.E. (Civil), A.M.I.E.
Asstt. Engineer (Drainage), Mahijibhai M. Patel, B.E. (Civil)
Assistant Engineer, Ambalal H. Patel, B.E. (Civil).
Garden Superintendent, Hariprasad S. Thakore, B.A. (II Class).
Workshop Superintendent, N. C. Kothari, B.E.
Assistant Engineer (Water), Maganlal N. Bhatt.
Assistant Engineers, M. L. Parmar, B.E., N. R. Chalanani; K. K. Sangani; N. M. Kamdar.
Superintendent, Lighting & Power Plants, N. P. Shah.
Transport Manager, A. M. T. S., Jayant H. Shukla, B.A.
Secretary, A. M. T. S., Punamchand V. Sheth, H.P., L.S.G.D.
Works Manager, A. M. T. S., Michael.
Estate & City Improvement Officer, Prabhudas Javetibhai Patel, B.E., L.S.G.D.
Sr. Asstt. to Estate Officer, Jannudas Trikamlal Patel, B.E. (Engg.)
Chief Accountant, Shankarlal K. Patel, B.Sc.
Deputy Accountant, Navnilal V. Parikh, B.Com.
Storekeeper, Ambalal K. Patel, B.Sc., L.L.B.

Adm. Officer, School Board, Ahmedabad Municipal Corporation, Dahyabhai B. Patel, B.A., B.T.
Chief Inspector, Shops & Establishment Department, Govindprasad K. Thakor, B.A., L.L.B.
Senior Legal Assistant, Natverlal G. Patel, B.A., L.L.B.
Labour Officer, N. M. Desai, B.A., L.L.B.
Chief Fire Superintendent, Jayendra K. Munshi.
Asstt. Chief Fire Superintendent, S. M. Bharucha.
Assessor & Collector, Anandiprasad S. Thakor, B.A.
Dy. Assessor & Collector, Shantilal Bhalkhand Shah, B.A., L.L.B.

CIVIL HOSPITAL, AHMEDABAD

Civil Surgeon, Major C. B. Miller.
Resident Medical Officer, Dr. V. A. Mauskar.
Police Surgeon, Dr. R. M. Jhala.
Anaesthetist, Dr. D. R. Shirhatti.
Blood Transfusion Officer, Dr. K. M. Wadhvani.
Sub-Charge, Dr. C. R. Gandhi.
B.M.S. (III) Officers, Dr. R. J. Vyas, Dr. F. K. Bhogak.
Matron, Mrs. S. Chitalkar.

AHMEDABAD MILLOWNERS' ASSOCIATION

Post Box No. 7, Lal Darwaja, Ahmedabad.

Office-Bearers

President: Surettam P. Huthreesingh

Vice-President: Surettam P. Huthreesingh

Members: Nanddas Baridas, Jayantilal Anantlal, Shantilal Mangaldas, Ratilal Nathalal, Ramanlal Lalubhai, Madanmohan Mangaldas, Jayakrishna Harivalabhdas, Arvindbhai Narottambhai, Rasiklal C. Nagri, Madhusudan Chamanlal, Chandrakant Motilal, Kanchanal C. Parikh, Rohitbhai Chitubhai, Mathuradas Govinddas, Ramprasad C. Dalal.
Secretary: M. K. Desai.

EDUCATIONAL INSTITUTIONS

GUJARAT UNIVERSITY

The Gujarat University is a Teaching and Affiliating University established in 1949 under an act of the State Legislature and incorporated by the Bombay Government in November 1950.

The Affiliated Colleges and Recognised Institutions are:—The H. L. College of Commerce, Navrangpura, Ahmedabad 9; The L. D. Arts College and M. G. Science Institute, Navrangpura, Ahmedabad 9; The L. M. College of Pharmacy, Navrangpura, Ahmedabad 9; The L. D. College of Engineering, Navrangpura, Ahmedabad 9; The Gujarat College, Ellis Bridge, Ahmedabad 6; Sir Lallubhai Shah Law College, Ellis Bridge, Ahmedabad 6; The B. J. Medical College, Asarwa, Ahmedabad 9; The J. & J. College of Science and C. B. Patel Arts Institute, Nadiad; The Birla Vishvakarma Mahavidyalaya, Vallabh Vidyanagar, via Anand; The Vithalbhaj Patel Mahavidyalaya, Vallabh Vidyanagar, via Anand; The B. A. College of Agriculture, Anand; The Petlad College, Petlad; The S. B. Garda College and B. P. Baria Science Institute, Navsari; The M. T. B. College, Athwa Lines, Surat; The K. P. College of Commerce, Athwa Lines, Surat; The Sarvajani Law College, Athwa Lines, Surat; The M. N. College, Visnagar, Dist. Mehsana, N.G.; The Samaldas College and Sir P. P. Institute of Science, Bhavnagar; The Bahauddin College, Junagadh; The Dharmendrasinhji College, and Kotak Institute of Science, Rajkot; The M. J. College of Commerce, Bhavnagar; The B. J. College of Commerce, Vallabh Vidyanagar, via Anand; Morvi Technical Institute (Engineering College), Morvi (Saurashtra); A. G. Teachers' College, Ahmedabad 9; Darbar Gopaldas Mahavidyalaya, Allahada (Halar) (Saurashtra); R. R. Lalan Intermediate College, Bhuj (Kutch).

Recognised Institutions:—Sheth Bholabhai Jeshingbhai Institute of Learning and Research, Bhadra, Ahmedabad; The Physical Research Laboratory, Navrangpura, Ahmedabad 9; Sheth Vadilal Narabhai General Hospital and Sheth Chinai Maternity Home, Ellis Bridge, Ahmedabad.

The Senate ordinarily meets once a year in August on a date to be fixed by His Excellency the Chancellor and at such other times, as may be convened by the Vice-Chancellor. A meeting of the Senate must also be convened on a requisition by twenty-five members of the Senate.

There are seven Faculties, viz., Arts including Education, Science, Technology including Engineering, Agriculture, Law, Medicine and Commerce. The executive powers vest in the Syndicate and the Academic Council is the chief Academic body of the University.

Ordinarily the period of the tenure of office of members of the Senate is five years, and that of the members of the Syndicate and the Academic Council is three years.

Chancellor.—Girja Shanker Bajpai, B.A. (Oxon.), B.Sc. (Allah.), I.C.S., Bar-at-Law.

Vice-Chancellor.—Harasiddhabhai V. Divatia, M.A., LL.B.

Registrar.—B. A. Patel, B.Sc., B.E.

Asstt. Registrar.—J. M. Mehta, B.Sc., B.T.

Librarian.—K. R. Desai.

Accountant.—B. M. Patel, B.Com., A.C.A.

Chief Medical Officer.—K. A. Shah, M.B.B.S.

Deans: R. C. Parikh, B.A. (Hons.), Faculty of Arts; Dr. M. S. Shah, M.Sc., Ph.D., Faculty of Science; Prin. A. de Souza, B.A., B.E., A.M.I.C.E. (Lond.), Faculty of Technology including Engineering; Prin. M. D. Patel, M.Sc. (Cornell), Ph.D. (Wisconsin), Faculty of Agriculture; Prin. T. K. Modi (Sardar Davar), B.A., LL.B., Bar-at-Law, Faculty of Law; Dr. M. D. Patel, M.B.B.S., F.R.C.S. (Eng.), D.L.O. (Lond.), Faculty of Medicine; Prin. S. V. Desai, M.Sc. (Columbia), Faculty of Commerce.

SENATE

EX-OFFICIO

Girja Shanker Bajpai, B.A. (Oxon.), B.Sc., I.C.S. (Chancellor); H. V. Divatia, M.A., LL.B. (Vice-Chancellor); B. A. Patel, B.Sc., B.E. (Registrar); Mr. Justice J. C. Shah (Nominated by the Chief Justice of Bombay); The Secretary to the Govt. of Bombay, Education Department (Nominee of the Minister of Education, Bombay); N. J. Wadia (Vice-Chancellor, University of Bombay); The Rt. Hon'ble Dr. M. R. Jayakar, M.A., Bar-at-Law, D.C.L. (Vice-Chancellor, Poona University); C. C. Halkoti, B.A., LL.B. (Vice-Chancellor, Karnatak University); Smt. Hansa Mehta, B.A. (Vice-Chancellor, M.S. University of Baroda); K. M. Jhaveri, M.A., LL.B. (Vice-Chancellor, S.N.D.T. University); N. R. Trivedi, M.A., B.A. (Cantab.) (Dy. Director of Education); J. A. Faraporwala, B.Sc. (Bom. & Edin.), M.T. (Struct.) F.F. M.I.C.E. (Lond.) M.T.E. (India) (Director of Technical Education); Dr. B. B. Dikshit, M.B., M.R.C.P.E. (Surgeon-General); Dr. T. G. Shirname, B.A. (Bom.), Ph.D. (Wales), F.R.S. (Lond.), F.R. Econ. S. (Lond.) (Director of Agriculture); Dr. D. G. Mulherkar, B.A. (Bom.) (Director of Industries); U. N. Mahida, B.E., M.T.E., I.S.E. (Chief Engineer with the Govt. of Bombay); H. R. Desai, M.Sc. (Conservator of Forests); Moraril R. Desai (Vice-Chancellor, Gujarat Vidyapeeth).

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Heads of Recognised Institutions.—R. C. Parikh, B.A. (Hons.); Dr. K. R. Ramanathan, M.A., D.Sc.; Dr. M. D. Desai, M.S., F.R.C.S., M.Ch. (Orth.).

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- (c) M Com Examination and
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The institute arranges for extension lectures and provides facility to research scholars in the prosecution of their work and has got a publication department of its own.

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Cama Motors Ltd., The, Lal Darwaja, Ahmedabad.

C. Bangdiwala & Co., Ltd., Reid Road, Ahmedabad.

C. Doctor & Co., Ltd., Reid Road, Ahmedabad.

Central Watch Co., Richey Road, Ahmedabad.

Chandrakant Navsukhlal & Co., Three Gates, Ahmedabad.

Chandulal & Brothers, Motilal Hirabhai Market, Ahmedabad.

Chaturbhai Valisibhai & Co., Kalupur, Baluchawad, Khojas Haveli, Ahmedabad.

Chhotalal Balabhai & Brothers, 1098, Kikabhat's Pole, Ahmedabad.

Chhotalal Balabhai & Brothers, Narottam Building, Kapasia Bazar, Ahmedabad.

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Chimanlal Chhotalal & Co., near Fernandez Bridge, Kalupur Road, Ahmedabad.

Picture Publishers and Glass Importers.

Chinubhai Manubhai & Co., Maskati Market, Ahmedabad.

C. Hirralal & Co., 273, Sarangpur Chakla, Ahmedabad.

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Commonwealth Assurance Co., Ltd., Reid Road, Ahmedabad.

Continental Trading Syndicate, 649-1, Kapasia Bazar, Ahmedabad.

Dahyabhai Nanlal & Co., Kapasia Bazar, Ahmedabad.

Deepak General Insurance Co., Ltd., Khadla, Char Rasta, Ahmedabad.

DEEPAK TEXTILE INDUSTRIES LTD., (Kalyan Mills), Maroda Road, Railwaypura, Ahmedabad, Textile Mills.

Devkaran Nanjee Banking Co., Ltd., near Post Office, Richey Road, Ahmedabad.

Diarsi Trading Co., near Panchkuwa, Ahmedabad.

Dinubhai G. Desai & Co., Motilal Road, Madhav Baug, Ahmedabad.

Discount Bank of India Ltd., 705-3, Rangwala Market, Ahmedabad.

Dudhia Oil Mills Gluing and Pressing Factory, near Chamundamata, Naroda Road, Ahmedabad.

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GENERAL ELECTRIC CO. OF INDIA LTD., Representative: E. J. Fern, Fern Bungalows, Mirzapur Road, Ahmedabad.

Girdharilal Damoderdas Ltd., 691, Reid Road, Railwaypura Post, Ahmedabad.

Girdharilal C & Co., 183, Revdi Bazar, Ahmedabad.

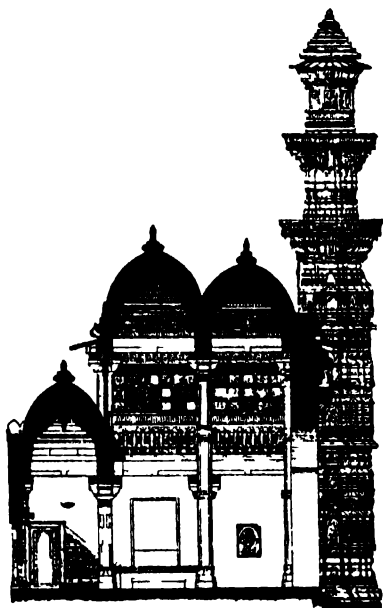
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Gujrat Electric Co., The, Richey Road, Ahmedabad.
Gujrat Cotton Mills Co., Ltd., Naroda Road, Ahmedabad.
Gujrat Oil Mills and Manufacturing Co., Ltd., Asarva, Ahmedabad 11. Phone: 3970. Grams: "OLEINE".
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Kantilal Jivanlal & Co., Reid Road, Ahmedabad.
Kantilal M. Modi & Co., 484, Revdi Bazar, Ahmedabad.
Kantilal B. Mehta, Mill Stores Merchant, 1711/5, Gandhi Road, Ahmedabad.
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K. C. Mashruwala & Co., Reid Road, Ahmedabad.
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Kikabhai Gulam Husain & Sons, near Fernandez Bridge, Ahmedabad.
Kilachand Devchand & Co., Ltd., Manek Chowk, Ahmedabad.
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Mehta Parikh & Co., Kapasia Bazar, Ahmedabad.
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Merit Oil Trading Co., Ltd., The, 2168, Reid Road, Ahmedabad.
Mistri Mangaldas Jethabhai & Brothers, Darlapur, Chakla, Ahmedabad.
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M. Parikh & Co., Lalshanker's Compound, Ellis Bridge, Ahmedabad.
M. Sharma & Co., No. 1779, Gandhi Road, opp. Chaturbhuj Mandir, P. O. Box No. 71, Ahmedabad.
M. Vadilal & Co., Raj Bhuvan, outside Delhi Gate, Ahmedabad.
M. Vadilal & Co., Tankahal, Kalupur, Ahmedabad.
Nagardas & Co., Dhanlaxmi Market, Ahmedabad.
Nagindas Kilabhai & Co., 697/14, Reid Road, Ahmedabad.
Nagri Mills Co., Ltd., Gomtipur Road, Ahmedabad.
Nanavati & Co., Ltd., Maskati Market, Ahmedabad.
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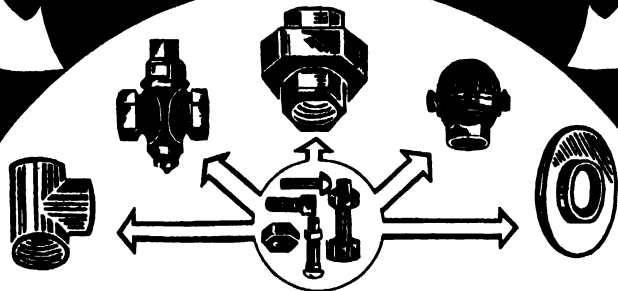
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 Pandyan Insurance Co., Ltd., 1761, Gandhi Road, Ahmedabad.
 Pathak & Co., Bhadra, Mission Road, Ahmedabad.
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 Rajnikant Hasumukhlal & Co., Cross Lane, Ahmedabad.
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 Ramanlal Nagindas Shah & Co., Ghee Kanta Road, opp. Pitalla Bumba in Vanda, Ahmedabad.
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 Standard Sales Agency, 1952/11, Khadia, Char Rasta, Ahmedabad.
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 Sultanali Gulamhussen & Sons, Fernandez Bridge, Ahmedabad.
 Suman Publicity Co., Revdi Bazar, Ahmedabad.
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 S. G. Hussain & Sons, Sakar Bazar, Ahmedabad.
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 Universal Watch Co., Richey Road, Ahmedabad.
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 Wadia, A. D. & Sons, Kankaria Road, Ahmedabad.
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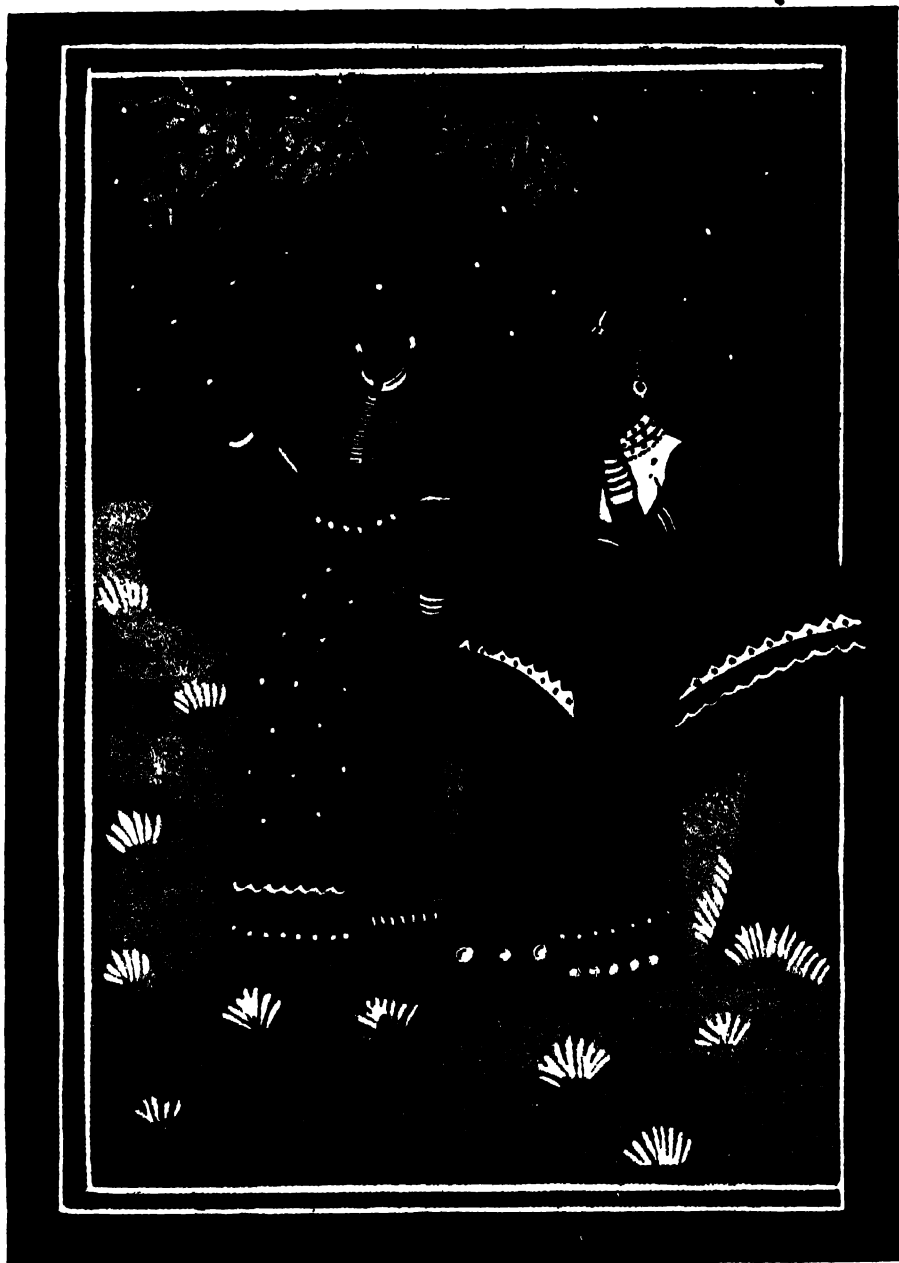
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pura Post, Ahmedabad 2.

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Popatlal Punjabhai & Co., Kapasia Bazar, Railway-pura Post,
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Phone: 2563.

Dahyabhai Sankalchand & Bros., Three Gates, Ahmedabad.

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Mehta & Co., Mission Road, Ahmedabad.

Pathak & Co., Bhadra, Mission Road, Ahmedabad.

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EASTERN STORES CO., Kerosene Bazar, Ahmedabad.

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BARODA TEXTILE AGENCY, Cloth Merchants and Com-
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Bharat Traders, opp. Madhav Baug, Railway-pura, Ahmedabad 2.
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Shah Mansukhlal, Maganlal, Outside Maskati Market, Ahmedabad.

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COTTON MILLS

Ahmedabad Advance Mills Ltd., Spindles 44,224, Looms 1,016,
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Street, Fort, Bombay), Mill at Shahibag Road, outside Delhi Gate,
Ahmedabad.

- Ahmedabad Cotton Mfg. Co., Ltd.** (Bagicha Mill), Spindles 24,200, Looms 516. Agents: Amritlal Hargovandas & Bros., Ltd., Office on Mill Premises, outside Sarangpur Gate, Ahmedabad.
- Ahmedabad Jaybharat Cotton Mills Ltd.** (formerly Bharat Laxmi Cotton Mills Ltd.), Spindles 37,208, Looms 688. Agents: Mesara Parakh Fabrics Ltd., 28, Apollo Street, Fort, Bombay. Mill beyond Kankaria Railway Siding, Mithlpur, Ahmedabad.
- Ahmedabad Jupiter Spg., Wvg. & Mfg. Co., Ltd.**, Spindles 29,508, Looms 667. Agents: M. Parakh & Co., 28, Apollo Street, Fort, Bombay. Mills at Dudheshwar Road, Ahmedabad.
- Ahmedabad Kaiser-i-Hind Mills Co., Ltd.** (formerly Ahmedabad Merchants Spinning Mills Co., Ltd.), Spindles 20,712, Looms 432. Agents: Ramanlal Kanaiyalal & Co. Ltd., outside Raipur Gate, Ahmedabad.
- Ahmedabad Laxmi Cotton Mills Co., Ltd.**, Spindles 26,924, Looms 592. Agents: Hariprasad Jayantilal & Co., Ltd., outside Raipur Gate, Ahmedabad.
- Ahmedabad Manufacturing and Calico Printing Co., Ltd.**, Calico Mills and the Jubilee Mills, Spindles 139,120, Looms 2,370. Agents: Karamchand Premchand Ltd., Post Box No. 12, Ahmedabad.
- Ahmedabad New Cotton Mills Co., Ltd.**, Spindles 20,116, Looms 448. Agents: Narottam Chandulal & Co., Ltd., Mills near Khokra, Mehmedabad, Ahmedabad.
- Ahmedabad New Textile Mills Co., Ltd.**, Nos. 1 & 2 (formerly Javeri Spg. & Mfg. Co., Ltd.), Spindles 36,860, Looms 902. Agents: Narayanlal Jivanlal & Co. Ltd., outside Raipur Gate, Ahmedabad.
- Ahmedabad Sarangpur Mills Co., Ltd.**, Spindles 80,928, Looms 590. Agents: Himatlal Motilal & Co., Ltd., outside Raipur Gate, Ahmedabad.
- Ahmedabad Shri Rama Krishna Mills Co., Ltd.**, Spindles 28,692, Looms 504. Agents: Chhimanlal Maneklal & Co., Ltd., Gomtipur Road, Ahmedabad.
- Ajit Mills Ltd.**, Spindles 23,868, Looms 513. Agents: Chinubhai Naranbhai & Co., Ltd., Rakhial Road, Ahmedabad.
- Ananta Mills Ltd.**, Spindles 19,208, Looms 450. Agents: Jayantilal Amratlal Ltd., Post Box No. 42, Ahmedabad. Mill at Itakhil Road, Ahmedabad.
- Aruna Mills Ltd.**, Spindles 42,768, Looms 912. Agents: P. M. Huthesingh & Sons Ltd., Post Box No. 57, Ahmedabad; Mills at Naroda Road, Ahmedabad.
- Aryind Mills Ltd.**, Spindles 62,448, Looms 1,216. Agents: Narottam Lalbhai & Co., Naroda Road, Ahmedabad.
- Aryodaya Ginning and Mfg. Co., Ltd.** (formerly Ahmedabad Vyapar Ootejack Spinning & Mfg. Co. Ltd.), Spindles 35,884, Looms 884. Agents: Mangaldas & Brother Ltd., Asarva Road, Ahmedabad.
- Aryodaya Spinning and Weaving Co., Ltd.** (Nos. 1 & 2), Spindles 47,204, Looms 968. Agents: Mangaldas & Balabhai & Co., P.O. Box No. 146, Ahmedabad. Mills at Asarva Road, Ahmedabad.
- Asarwa Mills Ltd. (No. 1)** (formerly Hitwardhak Cotton Mills Co., Ltd.), Spindles 27,836, Looms 503. Agents: Chhotabhai Patel & Co., Ltd., Kodak House, Hornby Road, Fort, Bombay. Mills at Asarva Road, Ahmedabad.
- Asarwa Mills Ltd. (No. 2)** (formerly Shrinagar Mills Ltd.), Spindles 18,812, Looms 436. Agents: Chhotabhai Patel & Co., Ltd., Kodak House, Hornby Road, Fort, Bombay. Mills at Railwaypura.
- Asoka Mills Ltd.**, Spindles 37,368, Looms 912. Agents: Lalbhai Dalpatbhai & Co., Post Box No. 55, Ahmedabad; Mills at Naroda Road, Ahmedabad.
- Becharadas Spg. & Wvg. Mills Co., Ltd.**, Spindles 19,320, Looms 456. Agents: Durgaprasad S. Lashkari & Co., Rakhial, Ahmedabad.
- Bhalakia Mills Co., Ltd.**, Spindles 18,580, Looms 400. Agents: Chandulal & Co., Ltd., Kankaria Road, Ahmedabad.
- Bharat Suryodaya Mills Co., Ltd.** (formerly India Spg. & Wvg. Co., Ltd.), Spindles 15,768, Looms 412. Agents: Chaturbhujdas K. M. & Co., Managing Agents, Post Box No. 125, Ahmedabad.
- Bharatkhand Textile Mfg. Co., Ltd.**, Nos. 1 & 2, Spindles 33,656, Looms 914. Agents: Jivanlal Girdharilal & Co., Ltd., Post Box No. 30, Ahmedabad. Mills at Camp Road, Ahmedabad.
- Bihari Mills Ltd.**, Spindles 18,240, Looms 440. Agents: Motilal Harilal & Co., Ltd., P.O. Box No. 4, Ahmedabad. Mills near Khokra, Mehmedabad, Ahmedabad.
- City of Ahmedabad Spg. & Mfg. Co., Ltd.**, Spindles 26,220, Looms 367. Agents: Chamanlal Mangaldas & Sons, Kankaria Road, Ahmedabad.
- Commercial Ahmedabad Mills Co., Ltd.**, Spindles 30,264, Looms 616. Agents: Dhanjibhai & Tricumlal & Co., Ltd., outside Prem Darwaja, Ahmedabad.
- Fine Knitting Co., Ltd.**, Spindles 9,000. Agents: H. Keshavilal & Co., near Chamunda Mata, Post Asarwa, Ahmedabad.
- Girdhardas Harivallabdas Mills Ltd.** (formerly Rajnagar Mills No. 2), Spindles 21,808. Agents: Chamanlal Mangaldas & Co., near Idga Gate, Ahmedabad.

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Gujarat Ginning & Mfg. Co. Ltd., Spindles 25,232, Looms 644. Agents: Jambhaji Mansukhbhai & Co., outside Prem Gate, Ahmedabad.

Gujarat Hosiery Factory, Spindles 10,620. Owners: C. C. Dalal & Co., Rakhial Road, Ahmedabad.

Gujarat Spg. & Wvg. Co., Ltd., Spindles 28,792, Looms 672. Agents: Jambhaji Mansukhbhai & Co., outside Kalupur Gate, Ahmedabad.

Harilalabhdas Mulchand Mills Co., Ltd., Spindles 18,608, Looms 430. Agents: Girdharilal Harilal & Co., outside Darlapur Gate, Ahmedabad.

Hathisingh Mfg. Co., Ltd., Spindles 13,880. Agents: Maneklal Mansukhbhai & Co., Post Box No. 2, Ahmedabad. Mills near Saraspur Gate, Ahmedabad.

Himabhai Mfg. Co., Ltd., Spindles 18,760, Looms 436. Agents: Dhirajlal Khushaldas & Bros., near Saraspur Gate, Ahmedabad.

Jehangir Vakil Mills Co., Ltd., Spindles 35,168, Looms 761. Agents: Rustomji Mangaldas & Co., Ltd., outside Delhi Gate, Ahmedabad.

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The Navjivan Mills Co., Ltd., Kalol.

The New Jehangir Vakil Mills Co., Ltd., Bhavnagar.

The Rustom-Jehangir Vakil Mills Co., Ltd., Ahmedabad.

Jitendra Mills Ltd. (formerly Astodia Mills Ltd.), Spindles 3,600. Hon. Liquidator, N. K. Jhaveri, 2972, Ratanpole, Ahmedabad. Mills at Astodia Gate.

Kalyan Mills Ltd. (Deepak Textile Industries Ltd.), Leaseholders, Spindles 14,448, Looms 393. Director-in-Charge: H. A. Mehta, 10 Camp, Ahmedabad. Mills at Naroda Road, Ahmedabad.

Lalibhai Tricumial Mills Ltd., Spindles 29,936, Looms 784. Agents: Chinubhai Lalibhai & Bros. Ltd., Rakhial Road, Ahmedabad.

Maheshwari Mills Ltd. (formerly Ahmedabad Cotton & Waste Mfg. Co., Ltd.), Spindles 21,032, Looms 528. Agents: Dhirajlal Khushaldas & Co., Post Box No. 79, Ahmedabad. Mill at Shahibaug Road, Ahmedabad.

Maneklal Harilal Spg. & Mfg. Co., Ltd., Spindles 36,836, Looms 750. Agents: Harilal Harilalabhdas & Co., Saraspur, Ahmedabad.

Manekchowk & Ahmedabad Mfg. Co., Ltd., Nos. 1 & 2, Spindles 81,128, Looms 832. Agents: Hiralal Tricumial & Sons, Outside Darlapur Gate, Ahmedabad.

Marsden Spg. & Mfg. Co., Ltd., Spindles 22,244, Looms 482. Agents: Marsden Brothers & Co., Ltd., Rakhial Road, Ahmedabad.

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Nagri Mills Co., Ltd., Spindles 22,936, Looms 500. Agents: Popatlal Chimanlal & Co., Rajpur, Gomtipur Road, Ahmedabad.

New Commercial Mills Co., Ltd., Spindles 39,316, Looms 867. Agents: Trikamlal Bhogilal & Co., Ltd., Naroda Road, Ahmedabad.

New Manekchowk Spg. & Wvg. Co., Ltd., Spindles 29,656, Looms 624. Agent: Lalibhai Trikamlal, near Idagat, Asarwa, Ahmedabad.

New National Mills Ltd., Spindles 22,980, Looms 474. Agents: Trikamlal Bhogilal Sons & Co., Rakhial Road, Ahmedabad.

New Rajpur Mills Co., Ltd. (formerly Rajpur Mill Ltd.), Spindles 23,688, Looms 524. Agents: Bhikhabhai Jivabhai & Co., Ltd., Gomtipur Road, Ahmedabad.

New Swadeshi Mills of Ahmedabad, Ltd. (formerly Ahmedabad Swadeshi Spg. & Mfg. Co., Ltd.), Spindles 38,240, Looms 848. Agents: The Cotton Agents Ltd., Imperial Bank Building, Bank Street, Fort, Bombay. Mills at Naroda Road, Ahmedabad.

Nutan Mills Ltd., Spindles 24,840, Looms 506. Agents: Jagabhai Bhogilal Nanavaty & Co., Ltd., Anil Road, via Vora's Roja, Railwaypura Post, Ahmedabad.

Patell Mills Co., Ltd. (formerly Gomtipur Spg., Wvg. and Mfg. Co. Ltd.), Spindles 13,824, Looms 356. Agents: Dhirajlal Chunilal & Co., Gomtipur Road, Ahmedabad.

Rajpur Mfg. Co., Ltd., Spindles 31,120, Looms 637. Agents: Lalibhai Dalpatbhai & Co., Post Box No. 54, Ahmedabad. Mills outside Saraspur Gate, Ahmedabad.

Rajnagar Spg., Wvg. & Mfg. Co., Ltd., Nos. 1 & 2, Spindles 45,568, Looms 1,095. Agents: Mangaldas Girdhardas Parekh, Ltd., near Idagat Gate, Ahmedabad.

Ramkumar Mills Ltd. (formerly Shree Anand Cotton Mills Ltd.), Spindles 19,740, Looms 416. Mg. Agents: Yaddam Bros. Ltd., Dhanalakshmi Buildings, Avenue Road, Bangalore. Mills at Saraspur Gate, Ahmedabad.

Rohit Mills Ltd., Spindles 33,156, Looms 648. Agents: Lalubhai Gordhandas Ltd., Kokhra Mehmedabad, Mithapur, Ahmedabad. Mills at Mithipur, Ahmedabad.

Rustom Jehangir Vakil Mills Co., Ltd., Spindles 22,708, Looms 406. Agents: Kantilal Shantilal & Co., outside Delhi Gate, Ahmedabad.

Sarangpur Cotton Mfg. Co., Ltd., Nos. 1 & 2, Spindles 64,504, Looms 1,449. Agents: Sakarlal Balabhai & Co., Ltd., outside Rajpur Gate, Ahmedabad.

Saraspur Mills, Ltd. (formerly Saraspur Manufacturing Co., Ltd.), Spindles 35,196, Looms 824. Agents: Lalibhai Dalpatbhai Sons & Co., near Saraspur Gate, Ahmedabad.

Shorrock Spg. & Mfg. Co., Ltd., Spindles 36,624, Looms 720. Agents: Mafatlal Chandulal & Co. (Ahmedabad) Ltd., Asarwa Road, Ahmedabad.

Shree Sardar Spg. & Wvg. Mills (formerly National Mills Co., Ltd.), Spindles 19,712, Looms 490. Owners: Bhausaheb Deshal Bros., Gomtipur Road, Ahmedabad.

Shri Ambika Mills Ltd., Nos. 1 & 2 (formerly Chandrakant Mills Ltd.), Spindles 78,796, Looms 1,883. Agents: Harilalabhdas Kalidas & Co., Kankaria Loco Siding, Ahmedabad.

Silver Cotton Mills Co., Ltd., Spindles 21,988, Looms 506. Agents: Gopalbhai Balabhai & Co. Ltd., Kankaria Loco Siding, Ahmedabad.

Sri Vivekanand Mills Ltd., Spindles 22,016, Looms 456. Agents: Nanubhai Maneklal & Co. Ltd., Railwaypura, Rakhial Road, Ahmedabad.

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Vijaya Mills Co., Ltd., Spindles 32,816, Looms 776. Agents: Haridas Achralal & Co., Ltd., Naroda Road, Ahmedabad.

Vikram Mills, Ltd., Spindles 35,340, Looms 800. Agents: Ramanlal Lalubhai, Ltd., outside Saraspur Gate, Post Railwaypura, Ahmedabad.

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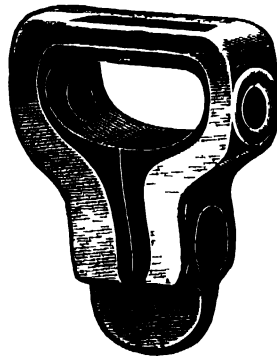
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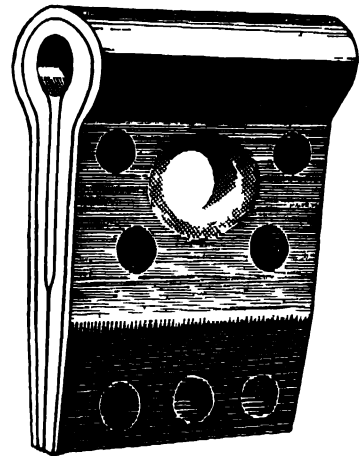


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R. R. Ferris, Assistant Chief Engineer and Manager.

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H. D. Mehrotra, Head Accountant.

H. G. Rees, Superintendent, "A" & "B" Power Stations.

Power House: Sabarmati, Ahmedabad 8.

Central Administration Dept.: Electricity House, Santa Cruz (East), P. O. Box No. 6802, Bombay 28.

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Bharat Trading Co., 529/1-2, outside Panchkuwa, Ahmedabad. Grams: "Hindbhumli." Importers and Dealers in Hacksaw Blades and Frames, Files, Crucibles, Grinding Wheels, Spanners, Wrenches, etc. A house for cheapest and best tools.

Electro Technics and Engineering Co., P. O. Box No. 98, Madhav Baug, Ahmedabad.

General Commercial Agency, The, Cross Lane, Railwaypura Post, Ahmedabad.

ENGINEERING WORKS

SUREE MAHALAXMI ENGINEERING WORKS, Outside Delhi Darwaja, opp. Painter Garden, Ahmedabad. Manufacturers of Lathes, Flour Mills and Centrifugal Pumps.

FENTS (CUT PIECES)

Shah Mansukhlal Maganlal, outside Maskati Market, Ahmedabad.

GENERAL MERCHANTS AND COMMISSION AGENTS

East & West Trading Co., Kapasia Bazar, Ahmedabad 2.

SUBODHCHANDRA POPATLAL, opp. Maskati Market, P.O. Box No. 1014, Ahmedabad 2. Cloth Merchants, Exporters & Commission Agents.

GRAMOPHONE DEALERS

Hiralal B. Trivedi & Co., Gandhi Road, Ahmedabad.

HANDLING EQUIPMENT MANUFACTURERS

TEXTILE MACHINERY MANUFACTURING COMPANY, Engineers and Merchants, Lal Cinema Compound, Gomti-pur Road, Ahmedabad 10.

HARDWARE DEALERS & IRONMONGERS

Bharat Trading Co., 529/1-2, outside Panchkuwa, Ahmedabad. Grams: "Hindbhumli." Direct Importers and Dealers in Tools, General Hardware, Hinges and Building Materials.

General Commercial Agency, The, Cross Lane, Railwaypura Post, Ahmedabad.

Machine Tools and Hardware Corporation, Reld Road, Railwaypura Post, Ahmedabad.

Sayaji Iron Works, opp. Municipal Office, Danapith Side, Ahmedabad.

T. U. Patel & Sons Ltd. (Ahmedabad Branch), 2727-1, Lokhand Bazar, Ahmedabad.

HOSIERY MFRS. & MERCHANTS

Gujrat Hosiery Factory, Rakhliyal Road, Ahmedabad.

Natverlal Gordhandas, Revdi Bazar, Ahmedabad.

IMPORT & EXPORT FIRMS

Bharat Traders, General Merchants & Commission Agents, opp. Madhav Baug, Railwaypura, Ahmedabad 2.

Bharat Trading Co., 529/1-2, Outside Panchkuwa, Ahmedabad.

General Commercial Agency, The, Cross Lane, Railwaypura Post, Ahmedabad.

Johangir Bros., Ahmedabad 2.

Shah, N., & Co., 716, Khatri Pole, Gandhi Road, Ahmedabad.

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SEETH STORES TRADING CO., Deepak Chambers, Station Road, Ahmedabad. Phone: 3470. Grams: "LUCID".

MACHINERY MFRS., IMPORTERS & DEALERS

Diwari Trading Co., near Panchkuwa, Ahmedabad 2.
 Electro Technics & Engineering Co., P.O. Box No. 98, Madhav Bang Road, Ahmedabad 2.
 Engineer, J. C., & Co., Sakar Bazar Cross Lane, P. O. Box No. 25, Ahmedabad.

Machine Tools & Hardware Corporation, Reid Road, Railwaypura Post, Ahmedabad.

MANILAL & BROTHERS, Companywala Market, Kapasia Bazar, Ahmedabad 2. Pipe Fittings, Hardware and Machinery Merchants. Office: Chawri Bazar, Delhi 8. Grams: "RUBERBELT."

Mehta, Parikh & Co., Kapasia Bazar, Ahmedabad.
 The Pioneer Engineering Corporation, Reid Road, Ahmedabad.
 Radiant Electric & Machinery Company, Engineers and Contractors, Mangal Bhavan, opp. Ashok Nivas, 2750, Relief Road, Ahmedabad 1.

Rajendra Patel & Co., Harilal Achratil Cloth Market, Kapasia Bazar, Ahmedabad. Phone: 3467.

Rasiklal D. Gandhi & Co., Hari Sadan, Khadia, Char Rasta, Ahmedabad.

Swastik Textile Trading Co., Ltd., Motilal Hirabhai Market, Railwaypura Post, Ahmedabad 2.

Venus Textile Syndicate, Prajapati Building, Panchkuwa, Ahmedabad.

MANUFACTURERS' REPRESENTATIVES

Chemoseize Agency, 566, Reid Road, Ahmedabad 2.
 Jehangir Bros., Ahmedabad 2.

RAMCHANDRA & CO., Kanuga Mansion, Kapasia Bazar, P.O. Railwaypura, Ahmedabad. Telegrams: "INNOCENCE". Telephone No. 3967. Dealers in Mill Stores, Acids, Chemicals and Mining ingredients.

Shah, N., & Co., 716, Khatri Pote, Gandhi Road, Ahmedabad.

MILL GIN STORES SUPPLIERS

Bharat Traders, General Merchants and Commission Agents, opp. Madhav Bang, Railwaypura, Ahmedabad 2.

Bharat Trading Co., 529/1-2, outside Panchkuwa, Ahmedabad.

C. Doctor & Co., Ltd., Khokhra Mehmedabad, Ahmedabad 8.

Diwari Trading Co., near Panchkuwa, Ahmedabad. Tel. Address: "Prerana".

Engineer, J. O., & Co., Sakar Bazar Cross Lane, P.O. Box No. 25, Ahmedabad.

General Commercial Agency, The, Cross Lane, Railwaypura Post, Ahmedabad.

Girdharilal Damodarilal Ltd., Reid Road, Railwaypura Post, Ahmedabad.

Indravadan Manekilal & Co., Bombay Shop Building, Railwaypura Post, Ahmedabad. Phone No. 2495.

INTERNATIONAL TEXTILE CORPORATION, 696, Reid Road, Railwaypura, Ahmedabad 2. Importers of English Hosiery, Reeds, Shuttles, Card Cans, Bobbins, Loom Thread, Loom Sundries, Picking Bands, Roller Skins, American Beltings, Caustic, Hydrosulphite, Rangelite, etc. Phone: 3176. Tel. Address: "INTEXT."

Jehangir Bros., Ahmedabad 2.

Masturilal Chunilal & Co., Head Office: Kapasia Bazar, Railwaypura Post, Ahmedabad.

M. D. Shah & Co., 570/1, Reid Road, Railwaypura Post, Ahmedabad.

Pickers Ltd., Ellis Bridge, Ahmedabad 6.

Rajendra Patel & Co., Harilal Achratil Cloth Market, Kapasia Bazar, Ahmedabad. Phone: 3467.

Ramanlal Sankalchand & Co., 572, Reid Road, Railwaypura Post, Ahmedabad.

T. U. Patel & Sons Ltd., 2727-1, Lokhand Bazar, Ahmedabad.

Venus Textile Syndicate, Prajapati Building, Panchkuwa, Ahmedabad.

MILL STORES

Gujrat Textile Mill Stores Co., Reid Road, Ahmedabad.

Kantilal Sakarilal Mehta, 1711-5, Gandhi Road, Ahmedabad.

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NEWSPAPERS & PERIODICALS

"ARAM"	Weekly	Gujarati.
"GUJARAT SAMACHAR"	Daily	Do.
"HARIJAN"	Weekly	English.
"HARIJAN BANDHU"	Do.	Gujarati.
"HARIJAN SEVAK"	Do.	Hindi.
"HINDU"	Do.	Gujarati.
"IMAN"	Monthly	Do.
"JAIN PRAVACHAN"	Weekly	Do.
"JYOTIRDHAR"	Fortnightly	Do.
"KEDI"	Do.	Do.
"LOKNAD"	Daily	Do.
"MAHILA JAGAT"	Fortnightly	Do.
"MAJUR SANDESH"	Twice a week	Do.
"MODHENDU"	Monthly	Do.
"NAUSAURASHTRA"	Weekly	Do.
"NAYAGAMANA"	Do.	Do.
"NUTAN PRAKASH"	Monthly	Do.
"PRABHAT"	Daily	Do.
"PRAGATI"	Fortnightly	Do.
"PRAJA BANDHU"	Weekly	Do.
"PRATHMIK SHIKSHAK"	Fortnightly	Do.
"PREKSHAK"	Weekly	Do.
"SAMAJ PATRIKA"	Fortnightly	Marathi.
"SANDESH"	Daily	Gujarati.
"SANDESH-GUJARATI PUNCH"	Weekly	Do.
"SEVAK"	Daily	Do.
"SHRIGAUD PRAKASH"	Monthly	Do.
"SHRI JAIN SATYA PRAKASH"	Do.	Do.
"SHRIMALI SHUBHECHHAK"	Do.	Do.
"SHRI TRIVEDI MEWADA VARTAMAN"	Do.	Do.
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"STRI JIVAN"	Monthly	Do.
"VIKAS"	Fortnightly	Do.
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"VISHWAVATSALYA"	Fortnightly	Do.

OIL (LUBRICATING) & GREASES

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BOMBAY GARAGE (Ahmedabad) LTD., Shahibag Road, Ahmedabad 4. Tel. Address: "PARKCHIN". Phone: 2224.

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SANITARY-WARES

H. KHERICHA & CO., Opp. Jumma Masjid, Ahmedabad. Phone: 3200.

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THE CROWN SILK & RAYON MILL, Madhowlal Ranchhodlal Colony, Railwaypura, Ahmedabad 2. Manufacturers of Doubling Twisted & Crepe Yarn, Silk & Art Silk. 6750 Spindles. Georgette Yarn, Art and Pure Silk Crepe Yarn of different Twists of all Deniers and Doubling Yarns. Sole Distributors: J. Kimatrai & Co., New Silk Bazar, Kalbadevi Road, Bombay 2.

THE DIAMOND SILK & RAYON MILL, Madhowlal Ranchhodlal Colony, Railwaypura, Ahmedabad 2. Looms: 50. Manufacturers of Silk & Art Silk and mix fabrics. Specialities: Satin Flower: 32"-33" Nos. 2121 & 3131. Dli-ki-Pias: No. 1450. Brocade: No. 842. Sole Distributors: J. Kimatrai & Co., New Silk Bazar, Kalbadevi Road, Bombay 2.

THE NANIKRAM SOBERAJ MILLS LTD., Madhowlal Ranchhodlal Colony, Railwaypura, Post Box No. 1041, Ahmedabad 2. Grams: "KINCHICRAP". Phone: 2228. Looms: 300. Manufacturers of Silk and Art Silk mix fabrics. Specialities:—Satin 32"-40" Nos. 550, 745, 892 and 1052. Brocades & Dli-Ki-Pias 28"-38" Nos. 600, 842, 890 & 1450. Satin Flower: 28"-33" Nos. 2121 & 3131. Georgettes and Crinkles: Art silk and pure Silk Nos. 300 & 650. Crepe: 36" & 44" Nos. 8088 & 7088. Jonnie Walker and Taletta: 36". Sole Distributors: J. Kimatrai & Co., Kalbadevi Road, New Silk Bazar, Bombay 2.

SILK & PIECEGOODS DEALERS

Arvind Navnital & Co., Sakar Bazar, Ahmedabad.

K. Motilal & Co., 38, Maskati Market, Ahmedabad 2. Phone No. 2490. Grams: "Tussore".

Natverlal Gordhandas, Revdi Bazar, Ahmedabad.

N. Mansukhram & Co., opp. Doshiwada Street, Ahmedabad.

Sumatilal Popatlal, Maskati Market, Ahmedabad 2.

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STATIONERS

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SURGICAL INSTRUMENTS

Bharat Trading Co., 529/1-2, outside Panchkuva, Ahmedabad. Grams: "Hindbhuml".

TEA & COFFEE MERCHANTS

Gujrat Tea Depot Co., 60, Pritamnagar, Ahmedabad.

TEXTILE AUXILIARIES MFRS. & DEALERS

EASTERN DYES & CHEMICALS CO., Vakil Building, Khadia, Char Rasta, Gandhi Road, Ahmedabad.

UMEDRAM K. MISTRY & SONS. Estd. 1886. Factory & Office: City Dana Pith, Ahmedabad. Phone: 5304. Tel. Address: "TUBE". Manufacturers of Textile Machinery Spare Parts and Specialising in Ring and Doubling Spindle Inner Tubes and Machine Cut Wheels. Large Stocks ready.

TEXTILE ENGINEERS & MACHINERY IMPORTERS

Bharatkhand Textile Mfg. Co., Ltd, Camp Road, Ahmedabad. India Textile Machinery Manufacturing Corporation, Gheekanta, opp. Pitalla Bumba, Ahmedabad.

Kanyalal Mohanlal, outside Sarangpur Gate, Ahmedabad.

Karsandas Vahalilbhai Thakkar, Sarangpur Sathi, Ahmedabad.

Ladia Lalbhai Bhogilal, Sarangpur, Ahmedabad.

Lalibhai M. Desai, near Gita Mandir, Ahmedabad.

Sankalchand Atmaram Patel, Sarangpur Lathi Bazar, Ahmedabad. Phone: 5428.

Serampore Textile Mills Ltd., Astodia Mills Estate, Astodia, Ahmedabad.

Shree Shakti Timber Mart, near Gita Mandir, Ahmedabad.

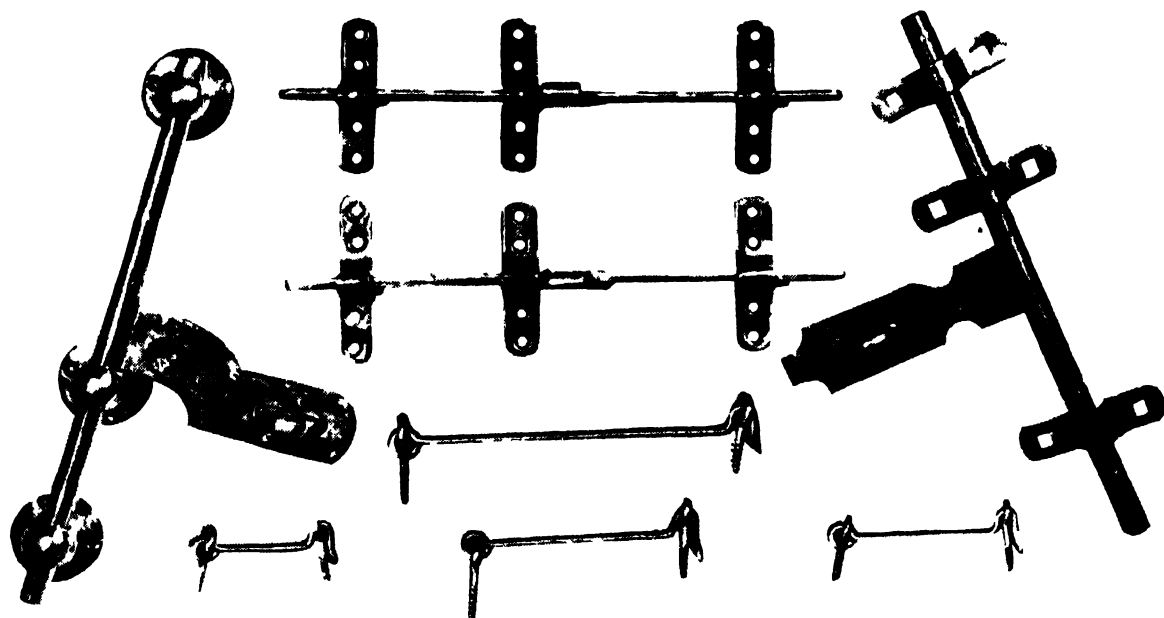
Textile Wood and Engineering Works, The, Char Rasta, Panchkuva, Ahmedabad.

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MASKATI MARKET SUB-BRANCH :—Officer-in-Charge : N. G. Dave ; Accountant : M. D. Dhruva.

AHMEDNAGAR DISTRICT

Headquarters : Ahmednagar.

Talukas : Nagar, Rahuri, Newasa, Shrirampur, Sangamner, Akola, Kopergaon, Sheogaon, Pathardi, Jamkhed, Shrigonda, Farnar, Karjat.

Ahmednagar, a border District in the Marathi speaking area of the Deccan, lies between North Lat. 18°20' and 20° and East Long. 73°43' and 75°41'. It is bounded on the north and north-west by Nasik District, on the north-east by the river Godavari, on the south-east and south-west by Hyderabad State and Sholapur and Poona Districts. The principal geographical feature is the chain of Sahyadri Hills and the river Godavari. Despite the fertility of its soil the District is liable to famine owing to uncertain and scanty rainfall. A large part of the District is irrigated by the confluence of the rivers Godavari and Pravara which has encouraged sugar-cane plantation on a wide scale. The total area irrigated is 92,559 acres, yielding a revenue of Rs. 31,80,081.

The area of the District is 6,602 sq miles and the population according to the 1951 census is 1,110,873 registering a rise of 23.5 per cent over the 1941 census figure. The language spoken is Marathi.

Industrially, the northern part of the District is fairly well developed. There are seven large-scale sugar factories and two first class and up-to-date tanneries. Leather from these tanneries is exported mainly to Pakistan. The hand-power woollen carpet factory at Kendal in Rahuri Taluka exports carpets to foreign countries. Ahmednagar, Bhingar, Pathardi and Sangamner are the four main centres of handloom weaving industry, the total number of handlooms being 1,500. There are three power-loom factories at Ahmednagar.

Ahmednagar city, the headquarters, has a population of 80,873, and the population of the cantonment including the suburb of Bhingar is 24,424. A full army brigade is permanently stationed in Ahmednagar. The Armoured Corps Centre and School formerly known as the All-India Armoured Corps Training Centre and Fighting Vehicle School, is also located here. Ahmednagar is a big military training centre for young officers passing out of the Academy for Armoured Corps. The town is on the Dhond-Manmad railway line. The other towns having Municipalities are Kopergaon, Sangamner and Shrirampur.

The staple food grains are jawar and bajra. Wheat and gram are grown in the vicinity of the rivers. Vari and ragi are cultivated in soils which are suited to coarser grain. The pulses are tur, mug, math and kulthi. Among the cash crops may be mentioned cotton, hemp, safflower, sesamum, linseed, sugarcane, tobacco, kardi, pan, groundnut and potatoes. Sweet lime orchards are also grown.

There are 739 Co-operative Societies engaged in credit, trade, farming, irrigation, housing and industrial activities.

Part of the forests possesses teak of excellent quality. The characteristic trees of the Western forests are however, anjan, jambul, behala, ain and karvand.

The Dhond-Manmad railway line runs through the length of the District from north to south and is the chief means of communication. The District is well supplied with roads, the chief ones leading from Ahmednagar to Poona, Dhond, Malegaon, Pathan and Nasik while good roads also run to Akola, Jamkhed and Sheogaon.

The chief historical places of interest to visitors are the Ahmednagar Fort and the residential palaces of the Shindhas and the Peshwas at Jamgaon and Kopergaon respectively.

A dam is situated at Bhandardara across the Pravara river the maximum height of the dam being 270 feet from the river bed and width at the base is 300 feet. There is also a waterfall on the Pravara river at Randha village, the height of the fall being 200 feet.

OFFICIALS

Collector and District Magistrate, M. Allalux.
District Agricultural Officer, P. R. Patil.
District Co-operative Officer, N. D. Suryawanshi.
District Executive Engineer, G. B. Bapat.
District Forest Officer, U. V. Mavinkurve.
District Health Officer, Dr. T. K. Kowalramani.
District Medical Officer, Dr. P. L. Pawar.
District Sales Tax Officer, M. K. Shrivardkar.
District and Sessions Judge, R. S. Ambekar.
District Superintendent of Police, N. Rama Ayyer.
Income-tax Officers, G. N. Gadgil (Ahmednagar "A" Ward) ; L. A. Albuquerque (Ahmednagar "B" Ward).

Inspector of Schools, H. Z. Shimpi.
District Inspector of Land Records, D. M. Kumbhar.
District Soil Conservation Officer, L. G. Pandit.

EDUCATIONAL INSTITUTIONS

Arts and Science College, Ahmednagar.
Puntamba Agricultural School, Puntamba.
Ayurveda Mahavidyalaya College, Ahmednagar.
There are four Primary Training Colleges, of which two are conducted by missionaries and all aided by Government.

LITERARY AND OTHER ASSOCIATIONS

Vangamayopasak Mandal, Ahmednagar.
Rotary Club, Ahmednagar.
American Marathi Mission, Ahmednagar.
Ahmednagar Education Society, Ahmednagar.
Hind Seva Mandal, Ahmednagar.
Ahmednagar Vachanalaya, District Central Library, Ahmednagar.
The Palsa Vachanalaya Library, Ahmednagar.
The Bagaldar Co-operative Sugar Producers' Society, Loni

HOSPITALS

Ripon Hospital (Government, 56 beds), Ahmednagar.
Evangeline Booth Hospital (Salvation Army, 72 beds), Ahmednagar.
Ayurveda Hospital (38 beds), Ahmednagar.
Fairbanks James Friendship Memorial Hospital, Vadala.
Methodist Mission Dispensary, Puntamba.
Ayurvedashram Pharmacy, Ahmednagar.
Ahmednagar General Hospital (Private, 22 beds), Ahmednagar.
Balasahib Deshpande Municipal Charitable Hospital (33 beds).
The Ayurvedic Dhanwantari Pharmacy
Arangaon Tuberculosis Sanatorium (Indian Red Cross Society, 50 beds), Ahmednagar.

TEMPLES, CHURCHES, MOSQUES

Sidheswar Temple, Ahmednagar.
Markandeya Temple, Ahmednagar.
Kaleswar Temple, Ahmednagar.
Jain Temple, Ahmednagar.
Jumma Mosque, Ahmednagar.
Christ Church (Protestant), Cantonment, Ahmednagar.
St. Xavier's Church (Catholic), Tarapur Colony, Ahmednagar.
Hume Memorial Church (United Church of Northern India), Ahmednagar.
Church of the Lamb (United Church of Northern India), Ahmednagar.
Parsi Fire Temple.
Vridheswar Temple, Pathardi.
Kachheswar Temple, Kopergaon.
Sidheswar Temple, Mandavagan.
Kanif Nath Temple, Madhi.
Mohaniraj and Dnyaneshwar Temple, Newase.

NEWSPAPERS & PERIODICALS

"AZAD HIND."—Weekly—Marathi.
"DIN MITRA."—Weekly—Marathi.
"SAMACHAR."—Evening Daily—Marathi.
"SANDESH."—Weekly—Marathi.
"SANGHASHAKTI."—Weekly—Marathi.

INDUSTRIES

The imports consist chiefly of piecegoods, tin-sheets, metals, groceries, salt, yarn and silk.

The exports consist chiefly of sugar, gur, cotton, leather, pulses, oilseeds and fruits.

Limestone is fairly abundant in the District and also trap suitable for building purposes. Other minerals are basalt, quartz, chalcedony, agate, crystals.

Among industries sugar is now one of the most important. There are 7 factories in the District. Gur making, hand-loom weaving and bidi making are the other important industries.

TANKS AND IRRIGATION

There are four irrigation tanks in the District namely Bhandardara (irrigating 69,834 acres), Visapur (irrigating 6,129 acres), Mandavgan (irrigating 534 acres), Bhatodi (irrigating 701 acres). The Gunewadi Tank is under construction and would irrigate 7,000 acres. The Pimpalgaon and Kapurwadi tanks supply water to Ahmednagar City and Cantonment respectively. One percolation tank and five minor irrigation tanks constructed for famine relief works will together irrigate about 6,000 acres.

There are 51,720 wells in the District irrigating 105,108 acres.

HILL STATIONS

Kalsubai, the highest peak of the Sahyadri hills is situated in this District, the height of the peak being 5,430 feet above sea level. Bhandardara dam is situated at the base of the Kalsubai hills.

Haribhandragad and Patta Killa are the two hill stations situated at a height of 4,691 and 4,587 feet respectively.

TRADES & PROFESSIONS

Imperial Bank of India, Kopergaon, Ahmednagar.

International Agricultural Industries, Chemists, Druggists and General Merchants, Ganj Bazar, Ahmednagar.

AYURVEDASHRAM PHARMACY LTD., Ahmednagar, Manufacturers of Scientific Ayurvedic Medicines.

V. Manmohandas & Sons, Importers, Exporters of seeds and Garden requirements, Gunj Bazar, Ahmednagar.

AMRELI DISTRICT

Headquarters Amreli

Talukas or Mahals: Amreli, Kodinar, Dhari, Okhamandal, Damnagar, Khambha, Ghogho.

Amreli, formerly part of Baroda State, now part of Bombay State, lies inside the geographical limits of the Union of Saurashtra. It is not one block of territory but is composed of a number of separate parts intersected by territory belonging to the Saurashtra Union.

The area of Amreli District is 1,634 square miles, population 317,203 and the total yearly revenue about Rs 10,65,000.

The District is level country broken only by Gir Hills in the Dhari Taluka. The average yearly rainfall is between 23 to 25 inches. About 90 per cent of the land is dependent wholly on rain water while only 10 per cent is irrigated by water from wells and streams.

The principal crops are bajri, jawar, groundnuts, cotton, wheat, gram, sugarcane, rice, sesamum, maize, mung, udad and khatli. About 25 per cent of the land is under bajri cultivation and about 60 per cent under groundnut cultivation. As groundnut fetches a high price and the soil is suitable, it is extensively cultivated. Production of oil from groundnut and sesamum is one of the chief industries of the place, which has as many as 25 oil mills. Other industries include cotton ginning and the production of khadi.

The principal means of communication are the railways which run through almost all the chief places in the District. To supplement the railways there are bus services from Taluka headquarters to outlying areas.

There are four High Schools, eight Middle Schools, and 217 Primary Schools, in the District, besides twelve Boarding Houses for students of different communities, and one technical institute (formerly orphanage).

The District has eight well equipped libraries for men, one for women and one for children, 132 village libraries and a number of reading rooms for the public.

For purposes of medical relief, there are three civil hospitals, three maternity homes and 21 dispensaries scattered all over the District, besides many private dispensaries free and otherwise and five well equipped veterinary dispensaries.

The Okha Port in Amreli District, which was greatly developed during the time of the two last Gaekwars of Baroda, is one of the best deep sea ports in India. In Okhamandal Taluka, Port Okha, Mithapur and Dwarka have become industrial centres. There are three big industries at these places namely Dwarka Cement Works, the Tata Chemicals Ltd and the Burmah Shell Oil Storage and Distribution Co. Dwarka is famous for Ranchhodrai temples. In Kodinar Taluka, there are a number of ports, which are chiefly used by the fishing industry and country craft.

The "Sarvodaya Centre" of this District is situated in Babapur Village, ten miles off Amreli. The centre conducts a residential village school and also a boarding house. The village of Chalala, 16 miles away from Amreli is one of the best spinning and weaving centres in Saurashtra.

OFFICIALS

Collector and District Magistrate, A. R. Chauhan
District Agricultural Officer, N. P. Gohel
District Co-operative Assistant Registrar, N. S. Kulkarni
District Engineer, Amreli and Mehsana Districts, T. D. Desai
District Forest Officer, S. R. Bhagwat
District Health Officer, S. V. Mhatre
District Medical Officer, N. V. Anogundi
District Sales Tax Officer, M. S. Godgaste
District and Sessions Judge, T. P. Ghoghe
District Superintendent of Police, N. S. Nimbalkar
Income Tax Officer, H. V. Kanalya
Inspector of Schools, S. S. Raichoor
Port Officer & Harbour Engineer Port Okha, D. N. Chauhan
Veterinary Officer, K. T. Detha

TRADES & PROFESSIONS

Abdultayab Abdulhusen, Amreli (Saurashtra)
Ahmed Dadabhai Palwala, Amreli (Kathliwar)
Alibhai Khanbhai Africawala, Direct Importer of Hardware & Machinery, Amreli (Kathliwar)
Amreli Engineering Works, Sukhnath Road, Amreli (Kathliwar)
Engineers of Gas and Electric Welding
Amreli Machinery Supply Co., Tower Road, Amreli (Kathliwar)
Machinery Spare Parts Suppliers and Commission Agents
Bavabhai Moosabhai, Amreli (Kathliwar)
Bhatia Girdharlal Gokaldas, General Cloth Merchant, Kapad Bazar, Amreli (Kathliwar)
Cutchhi Medical Stores, Chemists, Druggists and Commission Agents, Palitana (Kathliwar).
Dahyabhai Pitamberdas, Amreli (Kathliwar)
Damji Narsi & Bros., Dhariwala, Amreli (Kathliwar)
Ebrahim Arbi & Sons, Tower Road, Amreli (Kathliwar)
Ghansal Lakhmanbhai, Seeds Merchant and Commission Agent, Tower Road, Amreli (Kathliwar)
Harjandas Narandas Gandhi, Amreli (Kathliwar)
Ismail, H., & Sons, Tower Road, Amreli (Kathliwar)
Kathliwar Seeds Stores, Amreli (Kathliwar).
Lalji Bhimji Thakkar & Co., Amreli (Kathliwar).
Lavajibhai Gordhandas Parekh & Sons, Amreli (Kathliwar)
Laxmidas Harilal Parikh, Merchant and Commission Agent, near Tower, Amreli (Kathliwar).
Mehta Dhanjibhai Dholabhai, Amreli (Kathliwar)
Mehta Narandas Lavji, Amreli (Kathliwar).
Memon Karim Valimohamed, Tower Road, Amreli (Kathliwar)
Minerva Printery, Quality Printers and Publishers Proprietors.
Alibhai Lakhani & Sons, Amreli (Kathliwar).

Mohanlal Juthabhai Gandhi Prop. The Amreli General Motor Service Dealer in Petrol, Mobile, Tubes, Station Road, Amreli (Kathliwar).
Nandlal Parmanand, General Merchant and Commission Agent, Ram Chowk, Amreli (Kathliwar).
Nandlal Purushottam Shangvi, Amreli (Kathliwar).
Narayan Oil Mills Co., Amreli (Kathliwar).
Natvar Medical Hall, Chemists & Druggists, Tower Road, Amreli (Kathliwar).
Noorani Stores, Dealers in Cutlery, Hosiery, Stationery and Kanooj Soaps, near Tower, Amreli (Kathliwar).
Oriental Stores, Amreli (Saurashtra) Dealers in Cycles, Gramophones, Petromax, Primus and Accessories, Steel trunks, Glassware, etc.
Parekh Juthabhai Keshavji, Amreli (Kathliwar) Proprietors, Amreli Oil Mill, Amreli.

PAREKH MATHURDAS NARANDAS

Grain, Groundnut Merchants

&

Commission Agents,

AMRELI (Saurashtra)

PAREKH SEED STORES

(Estd. 1885)

AMRELI (Saurashtra)

Tele. : MUDHUSUDAN. Phone. P.C.O.

(Prop. :—Parekh Mathurdas Narandas)

Fruits, Vegetables and vegetable seed merchants, general order suppliers and Commission Agents Specialist in Red Globe Onion Seed. Lucern grass seed, Tomato seed, Pappaya (Madhubindi) seeds, Cauli Flower seeds, Carrot seeds, Cabbage seeds. Lanni seeds, etc

Parashottam Narshidas, General & Cloth Merchant, Kapad Bazar, Amrell (Kathiawar).

Patel Brothers, Electrical Contractors, Amrell (Kathiawar).

Prajaram Dhanji Adhyaru, General Merchant and Commission Agent, Amrell (Kathiawar).

Raghaviji Purushottam, Watch Maker. Dealer in Photo Goods and Watches, Amrell (Kathiawar).

Ranchhoddas Bhagavanbhai Madhani, Cloth Merchant, Amrell (Kathiawar).

Ratilal Parmanandas Desai, Merchant and Commission Agent, Amrell (Kathiawar).

Sanghrakha Hardware Mart, Hardware Merchants, Amrell (Kathiawar).

Shah Hargovindas Shyamji, Amrell (Kathiawar).

Shah Premchand Shyamji, Amrell (Kathiawar).

Shah Steros, Dealers in Medicines and Toiletts, near Tower, Amrell (Kathiawar).

Sharatchandra Chhotalal Kothari, Amrell (Kathiawar).

Sheth Vrajlal Girdharilal, Amrell (Kathiawar).

Shivahankar Dhanji Adhyaru, Amrell (Kathiawar).

SREE LAXMI SILK WEAVING FACTORY

Jaysinhapura, Amrell (Saurashtra), (Bombay State)

Tel Address. "LAXMISILK"

Manufacturers of Art-Silk, Linen, Taffeta, Art Silk Coatings and Cotton gray Drills, Bed-ticks and gray Coatings.

Thakker Kurji Madhavji, Amrell (Kathiawar)

Vijay Oil Mills Ltd, Amrell (Kathiawar).

Virji Shivdas & Sons, Amrell (Kathiawar).

VITHALDAS NARSHIDAS, Amrell (Saurashtra), Bombay State.

Prop. : Balwant Silk Weaving Works; Manufacturers of Linen, Taffeta, Sioji, etc.

Vora Gobar Ramji, Merchant and Commission Agent, Amrell (Kathiawar)

BANASKANTHA DISTRICT

Headquarters : Palanpur.

Talukas and Mahals : Palanpur, Deesa, Dhanera, Vadgam, Tharad, Wav, Deodar, Kankrej, Danta, Abu Road.

The population of the District which is in the Gujarat Division, according to 1951 census, is 748,796, the area 4,895 sq. miles and the revenue Rs. 9,61,965-10-9.

OFFICIALS

Collector, M. W. Desai, I.A.S.

Deputy Collectors, C. M. Barot (Tharad Prant); M. U. Desai (Palanpur Prant), B. S. Barot (Dist. Supply Officer), V. S. Dixit (Personal Asst. to Collector), K. A. Vyas (Abu Road Prant)

District Superintendent of Police, Vacant.

Supdt. of Prohibition & Excise, A. D. Gangat.

Deputy Educational Inspector, D. K. Dave.

Civil Surgeon, Dr. D. R. Vaidya.

Executive Engineer, J. C. Otiia.

Asstt. District Judge, K. M. Bhatt.

Civil Judges, B. M. Thorat (Civil Judge, Senior Division, Palanpur), V. P. Mehta, K. M. Satwani (Civil Judges, Junior Division, Palanpur), B. V. Shah (Civil Judge, Abu Road), P. F. Khilnani (Civil Judge, Deesa), R. R. Patel (Civil Judge, Dhanera), R. C. Israni (Civil Judge, Tharad).

Sub-Divisional Forest Officer, G. S. Chandras

District Agricultural Officer, B. K. Mehta, B. Ag

Asstt. Registrar Co-operative Societies, M. V. Patel

Income Tax Officer, S. T. Tipre, B. Sc

(For Judicial purposes Banaskantha is under Mehsana)

BARODA DISTRICT

Headquarters : Baroda.

Talukas or Mahals :—Baroda, Savli, Vaghodia, Padra, Karjan, Sinor, Dabhol, Sankheda, Naswadi, Chhota-Udepur, Jabugam, Baroda City.

Following the integration of the State of Baroda with Bombay, the State as such ceased to exist with effect from May 1949. Baroda was one of the biggest States in India, comprising five separate territorial blocks in the northern part of Bombay State and Saurashtra having an area of 8,236 sq. miles. The State has now been reconstituted into three distinct Districts, Baroda, Mehsana and Amreli with the necessary territorial readjustments with the neighbouring Districts of Bombay in Gujarat and the merged areas. For instance, the entire District of Navsari in the south has been merged with Surat District. Population is 1,194,746.

The process of reconstitution is now complete and the city of Baroda, the erstwhile capital of the State, has regained some of its old importance as a centre of administration, higher education and culture, by the establishment of the new University and by the location of several Regional offices both of the Central and State Governments in the city. The District is placed in the Gujarat Division.

As far as the Central Administration is concerned, the Regional Office of the Income-Tax Department established under the Commissioner of Income-Tax exercises all the administrative, supervisory assessing and appellate jurisdiction over the entire area north of Bombay as provided under the Indian Income-Tax Act. Similarly Baroda has been selected as the regional headquarters for Central Excise, Tobacco and Customs administration for the Gujarat Range.

The Baroda Railway was taken over by the Centre on integration. The system which consisted of 795 miles and included 21 miles of broad-gauge, 308 miles of metre-gauge and 428 miles of narrow-gauge now forms a part of the Western Railway which formed the link between the State's three Districts of Navsari, Baroda and Mehsana.

For the purpose of administrative convenience, the Bombay Government decided to maintain the State territories as a unit of administration in respect of several departments till the beginning of 1950. Now the process of integration has been completed. The picture is as follows : the Departments of Revenue, Judicial, Civil Supplies, Industries, Commerce, Agriculture, Medical, Backward Classes, Labour, besides several minor Departments are administered centrally. With regard to others such as Co-operation, Public Works, Irrigation, Education, etc., Gujarat has been divided into two divisions, (1) the North consisting of the Districts of Ahmedabad, Sabarkantha, Mehsana, Banaskantha and Amreli and (2) the South comprising the Districts of Surat (including Navsari), Broach, Baroda, Kaira and Panch Mahals; and regional offices of these departments have been established with their headquarters at Ahmedabad for the North and Baroda for the South. In regard to sales tax the two Khandesh Districts come under the Baroda jurisdiction.

In the regrouping that followed the integration of the Baroda State with Bombay the smaller States including Chhota-Udepur and Bhadarwa, and others lying in the tracts known as the Pandu Mewas and Sankheda Mewas were included in the newly formed Baroda District. Also the two talukas Bhadrar and Petlad which formed part of the former Baroda State were taken away and included in the Kaira District.

Geographically, Baroda District (which is one of the five blocks into which the Baroda State was divided) forms a central compact block in the heart of Gujarat. It lies between North Latitude 21° 41' and 22° 32' and East Longitude 73° and 74° 10'. It is bounded on the north by the Kaira District beyond the river Mahi, and Panch Mahals on the north-east. It stretches roughly from south to north from the banks of the river Narmada to the river Mahi except for a small tract on the west and south-west boundary constituting the talukas of Amod, Vagra and Jambusar. The District is about 40 miles long and 35 miles broad. In the east it now stretches right upto the eastern boundaries of Gujarat. The eastern portion of the District is of a variegated nature, entirely undeveloped, largely because till the date of integration it was governed by petty Thakors and Taluqdars.

The most important portions of the District are Kanum which produces some of the finest cotton in India and Chorasi and Vakal in Sankheda and Vaghodia Talukas. The picturesque bank of the river Narmada stretching over 100 miles in length abound in archaeological remains, temples, shrines. Besides Narmada and Mahi other rivers flowing through the District are Jambua, Surya, Vishwamitri and Dhadhar draining into the Gulf of Cambay while the rivers Or, Heran, Uthoha are tributaries of the larger rivers.

Villages in Baroda provide amenities which do not generally exist elsewhere. Most villages have well conducted panchayats and possess institutions like schools, libraries, co-operative societies conducted on sound lines. The District as a whole has over 700 primary schools, 500 libraries, 300 gymnasiums and welfare associations.

The District is poorly wooded except in the east. The annual rainfall averages about 30 inches and varies only slightly from one place to another. The chief food crops are wheat, jowar, bajra, pulses, kodra, kodri, bawta, maize. Rice is now grown extensively interspaced with cotton. This latter together with tobacco, castor, and other oilseeds form the principal money crop. Baroda is a deficit District for food. In Padra, Karjan and Baroda Talukas many garden crops including vegetables and fruit are grown. Baroda does not possess adequate irrigation facilities like large reservoirs or hydro-electric works except wells. Considerable attention was given to the construction of wells in recent years. There are in all about 7,500 wells used for irrigation purposes, of which some 700 are worked by power-pumps. An ambitious programme of tapping the resources of the rivers Mahi and Narmada for canal irrigation is being undertaken by the Bombay Government.

The District is served by the Grand Trunk Road connecting Bombay, Ahmedabad, Baroda, Godhra, Indore and Delhi. There are extensive Pucca district roads connecting Baroda city with outlying talukas while village roads are all fair weather roads covered with Kanker, gravel or sand wherever available and serve as feeder roads linking villages with the nearest main road or railway station. There are about 250 miles of narrow gauge railway.

Baroda, the headquarters of the District is a historic and ancient city, and was the capital of the State till the State ceased to exist. It is fully modernised and is famous for its beautiful buildings, palaces, parks, avenues, recreation grounds, schools, colleges, hospitals, public libraries and broad, well laid out roads, and can stand comparison with any of the cities of the same size in India. The State is also well advanced in industry. In recent years a number of factories, big and small have sprung up. The more important lines of development are textiles, chemicals, oil and soaps, engineering, metal works and foundries, rolling mills, and manufacture of glassware, etc., providing employment to about 30,000 workmen. Side by side with the development of major industries, considerable progress has also been made in the revival and extension of small cottage industries. Among the latter are spinning and weaving, calico printing, lacquer work, textile auxiliaries, etc.

MEDICAL RELIEF

Medical relief is so well organised that it is worth a special note. Among the larger medical institutions the most important is the Shri Sayajirao State General Hospital in Baroda city, which contains all special departments like pathology, surgery, radiology, dentistry, ophthalmology, midwifery, gynaecology and children's diseases. There is one more hospital in Baroda city run by the Government, viz. Shri Jambhal Hospital. In addition there are district hospitals and taluka dispensaries.

Separate institutions also exist for medical relief to women and children. Besides the maternity wards attached to the Baroda city hospitals, there are 12 small maternity homes in the District. Maternity and child welfare work is also done by Shri Maharaul Chimanabai Maternity and Child Welfare League in Baroda city and by a number of trained midwives and dais attached to the various maternity homes. Other important institutions in the city are the Mental Home, the Leper Asylum and a branch of the Indian Red Cross Society. Anti-Rabic treatment is also provided free of cost.

The Shri Padmavati Tuberculosis Hospital and Sanatorium located some 8 miles from Baroda city is well-equipped with scientific appliances and a clinic provides treatment for people suffering from tuberculosis.

There are Public Health Laboratories in the city for the administration of Food and Drugs Act.

ADMINISTRATIVE PERSONNEL

REVENUE DEPARTMENT

Collector and District Magistrate, Lalit R. Dalal, I.O.S.

P. A. to the Collector, Baroda, S. M. Shitole, B.A., LL.B.

Dist. Dy. Collector, Baroda Prant, C. V. Shah.

Dist. Dy. Collector, Dabhol Prant, C. M. Thakore.

Dist. Dy. Collector, Chhota-Udepur Prant, P. V. Phalke, B.A.

Dist. Supply Officer, N. V. Desai.

Rationing Officer, Baroda, B. D. Ranade.

Supply Head Clerk, D. S. Joshi.

Chiniis to the Collector, Baroda, A. A. Shalkh.

Head Clerk to the Collector, U. C. Shah.

Treasury Officer, N. K. Shah.

Mamlaidars (Talukas), D. T. Patel, B.A. (Baroda); B. K. Dave (Padra); R. V. Vala (Karjan); I. N. Patel (Dabhol); G. H. Gadivala (Naswadi); S. C. Shah (Sankheda); B. L. Joshi (Chhota-Udepur); H. M. Pathak (Jabugam); K. G. Joshi (Vaghodia); S. N. Sawant (Savli).

Mahalkari (Sinor Mahal), S. M. Desai.

POLICE DEPARTMENT

District Superintendent of Police, Baroda, M. Y. Gackwad, B.A., LL.B.
Sub-Divisional Police Officer, Chhota-Udepur, S. N. Bagwe, B.A., LL.B.
Sub-Divisional Police Officer, Dabhoi, N. W. Barve.
Home Inspector, D.S.P.'s Office, Rustom K. Patel.
Police Inspector, L.I.B., R. B. Chauhan.
Police Sub-Inspectors, City Division, J. G. Chavda; Raopura, V. G. Parghi; Sayajiganj, S. R. Sakpal.

JUDICIAL DEPARTMENT

District and Sessions Judge, Baroda, N. M. Mhabhoy.
Assistant and Addl. Sessions Judge, Baroda, V. R. Shah.
Civil Judge, Senior Division, Baroda, A. A. Badshah, B.A., LL.B.
Joint Civil Judge, Junior Division, S. M. Vidyarthi.
2nd Joint Civil Judge, Junior Division, R. K. Soonawala.
3rd Joint Civil Judge, Junior Division, V. D. Mahida.
4th Joint Civil Judge, Junior Division, V. H. Bhutla.
Civil Judge, Junior Division, Padra, J. D. Patel.
Joint Civil Judge, Junior Division, Padra, A. T. Purohit.
Civil Judge, Junior Division, Surti, B. H. Mehta.
Joint Civil Judge, Junior Division, Surti, C. V. Patel.
Civil Judge, Junior Division, Karjan, M. M. Jadeja.
Civil Judge, Junior Division, Sinor, I. K. Amin.
Civil Judge, Junior Division, Dabhoi, D. J. Soni.
Joint Civil Judge, Junior Division, Dabhoi, N. H. Sukhlila.
Civil Judge, Junior Division, Savkheda, A. K. Pathan.
Civil Judge, Junior Division, Chhota-Udepur, Y. S. Shinde.
Clerk of the Court, District Court, G. A. Janusaria.
Head Clerk and Criminal Superintendent, District Court, S. P. Mehta.

EXCISE DEPARTMENT

Superintendent of Prohibition and Excise, Baroda Division, H. A. Dehlavi.
Prohibition and Excise Inspector, Dabhoi, M. B. Abbasi.
Prohibition and Excise Inspector, I. c, Alembic Chemical Works, Baroda, B. M. Vora, B.A.

REGIONAL PUBLICITY OFFICE

Regional Publicity Officer (South Gujarat), Baroda, Mastoo M. Desai.
Assistant to the Regional Publicity Officer, D. K. Karnik.
District Publicity Officer, Baroda, C. C. Parikh.

CO-OPERATIVE DEPARTMENT—BARODA DIVISION

Deputy Registrar of Co-operative Societies, Baroda, C. K. Patel, B.A.
Assistant Registrar, Co-operative Societies, Baroda Division, K. M. Diwanji.
Asst. Registrar, Co-operative Societies, Surat Division, C. K. Desai, B.A., G.D.C.A.
Asstt. Registrar, Co-operative Societies, Panch Mahals Division, Godhra, D. A. Desai.
Special Auditor, Co-operative Societies, Baroda, M. B. Desai, B.A.
Special Auditor, Co-operative Societies, Surat, J. M. Trivedi.
Assistant Registrar, Co-operative Societies, Broach, A. I. Pathan.
Assistant Marketing Officer, Baroda, S. V. Gosavi.
District Co-operative Officer, C. P., Baroda, M. H. Patel, B.Sc. (Ag.).
Superintendent, Deputy Registrar's Office, Baroda, Ismail I. Patel, B.A.

GUJARAT IRRIGATION CIRCLE, BARODA

Superintending Engineer, N. G. K. Murti, I.S.E.
Technical Assistant to the Supdty. Engineer, H. K. Kanbi, B.E., B.S.E. (II).
Head Clerk, C. M. Kotwal.
First Clerk, N. K. Modi.

BARODA IRRIGATION PROJECT DIVISION, BARODA

Executive Engineer, Irrigation Project Dn., M. N. Jathal, B.E., D.I.C. (Lond.), B.S.E. (I).
P.A. to the Executive Engineer, B. S. Krishna Murti, B.E., B.S.E. (II).
Accountant to Executive Engineer, A. S. Rokade.
Head Clerk to Executive Engineer, K. G. Pandya.
Deputy Engineer, Baroda Irrigation Sub-Division, Baroda, N. C. Dalwadi, B.E., B.S.E. (II).
Deputy Engineer, Research Sub-Division, Baroda, O. H. Patel, B.E., M.Sc. (Iowa), B.S.E. (II).
Deputy Engineer, Irrigation Project Sub-Dn. No. I, Dohad, J. R. Vora, B.E., B.S.E. (II).
Deputy Engineer, Irrigation Project Sub-Dn. No. II, Baroda, A. T. Joshi, B.E., B.S.E. (II).
Soil Physicist, V. K. Shallgram, B.A.G. (Bom.), M.A.G. (Bom.).
Deputy Engineer (Offg.), Scarcity Sub-Dn. No. I, Dohad, M. D. Solanki, D.C.E., B.S.E. (II).
Deputy Engineer (Offg.), Scarcity Sub-Dn. No. II, Dohad, C. H. Mavadia, D.C.E., B.S.E. (II).

PUBLIC HEALTH ENGINEERING

Executive Engineer, P. V. Ganpule, B.E., A.M.I. struct. (Chartered Structural Engineer).

REGIONAL TRANSPORT OFFICE

Regional Transport Officer, J. H. Vakil.
Regional Supervisor, R. N. Elavia.
Head Clerk, M. V. Depot, M. F. Borges.
Inspectors, Motor Vehicles, H. K. Mehta; N. M. Surti; M. K. Thakore; J. R. Sathe.

POSTS AND TELEGRAPHS DEPARTMENT

Superintendent of Post Offices, Baroda Division, Y. B. Kaluskar.
Superintendent of Offices, R. M. S. Division, V. N. Cyril.
Assistant Superintendent of Post Offices, V. M. Marathe.
Assistant Superintendent, R. M. S. W. Division, M. D. Thakkar.
Head Clerk to Supdt. of Post Offices, M. A. Pandya.
Inspectors, D. G. Korde (Baroda East); R. D. Sumanl (Baroda West).
Postmaster, Baroda, V. D. Dave.
Inspector of Complaints, Baroda Division, C. J. Vyas.
Deputy Postmaster, C. J. Dave.
Assistant Postmasters, D. V. Jambekar, P. D. Mehta.

TELEPHONE OFFICERS, BARODA TELEPHONE SUB-DIVISION.

Officer-in-Charge, Telephone Sub-Division, Baroda, K. S. Kathlawad Diwanji.
Phone Inspectors, N. B. Kakde; B. B. Kokate; G. B. Raotal.
Engineering Supervisors, Phones, M. R. Naik, D. D. Pathak.

BARODA CENTRAL PRISON

Superintendent, R. K. Anklesaria, B.A.
Senior Jailor, B. M. Antkar.
Jailors, K. V. Katre; S. B. Konnur, B.A.; P. C. Vyas; S. B. Dabholkar, B.A.

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Commissioner of Income-Tax, P. S. Bagadthay.
Inspecting Assistant Commissioners of Income-Tax, S. B. Athalye (Ahmedabad Range); R. P. Kapadia (Surat Range); R. D. Shah (Baroda Range); S. H. Bhatt (Saurashtra Range, Headquarters, Rajkot).
Appellate Assistant Commissioners, H. A. Shah (Ahmedabad Range, I); Mohd. Swalehuddin (Ahmedabad Range, II); P. G. Deshpande (Surat Range); B. S. Kasbekar (Baroda Range); A. I. Kazi (Nasik Range); Hans Raj Puri (Ahmedabad Range, III); G. Misra (Rajkot).

CENTRAL EXCISE DEPARTMENT—BARODA

Headquarters Office, Baroda: Collector of Central Excise, Baroda, C. H. Neale.
Chief Accounts Officer, Central Excise, R. A. Iyer.
Superintendents, K. M. Pain (Superintendent, Headquarters); M. P. Mondkar (Superintendent, Preventive); J. P. Sinor (Superintendent, Intelligence); H. H. Dave (Examiner, Internal Audit-C. E.)
Baroda Division Headquarters, Baroda: Assistant Collector, Baroda, M. V. Shah.
Superintendents, R. G. Shastri (Baroda); J. A. Butler (Broach); K. Narsinh (Dabhoi); I. A. Patel (Surat); A. G. Sapre (Vapi); P. L. Karna (Godhra).
Anand Division Headquarters, Anand: Assistant Collector, Anand, F. S. Kale, B.A., M.B.S.T., F.A.I.S. (N.Y.).
Superintendents, H. R. Jokhi (Anand); P. J. Pohowala (Borsad); P. J. Advani (Kunjra); B. E. Patel (Umreth); K. V. Bole (Cambay); S. P. Tate (Pellad).
Ahmedabad Division Headquarters, Ahmedabad: Assistant Collector, Ahmedabad, Vipin Maneklal.

Superintendents, Ahmedabad, H. J. Kevlaramani (Cotton Ezcie, Ahmedabad); M. A. B. Harris (Cotton Ezcie, Ahmedabad); B. P. Laxpali (Central Ezcie, Ahmedabad); C. K. Desai (Mehmedabad); K. N. Gupta (Nadiad).

Viramgam Division Headquarters, Viramgam: Assistant Collector, Viramgam, J. H. Shah.

Superintendents, R. S. Kodical (Viramgam); M. M. Desai (Kalot); B. G. Kulkarni (Patan); N. M. Motiwala (Sungam).

Jamnagar Division Headquarters, Jamnagar: Assistant Collector, Jamnagar, I. R. Sampson, B.A.

Superintendents, E. M. Dalal (Jamnagar); P. J. Tekchandani (Rajkot); M. R. Paroolkar (Bhavnagar); N. B. Sanjana (Kutch); V. H. Mallam (Junagadh).

NATIONAL SAVINGS—BARODA RANGE

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Accountant, Small Savings Scheme, Baroda, V. R. Pimplaskar.

Assistant Savings Officer, Navsari Area, B. B. Bhatt.

AGRICULTURAL DEPARTMENT

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Assistant District Agricultural Officer, Baroda, H. F. Patel, B.Ag.

Agricultural Officers, G. M. Talati, B.Sc. (Agri.) (Baroda); D. B. Gosai, B.Sc. (Agri.) (Dabhoi); J. M. Chodhari, B.Sc., Ag. (Chhota Udepur).

PUBLIC HEALTH DEPARTMENT—BARODA RANGE

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Analyst, Public Health Laboratories, Baroda, B. N. Mehta, M.Sc., A.B.S.I.

Senior Clerk, Office of the District Health Officer, Baroda, S. M. Bapat.

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Deputy Educational Inspector-Cum-A.O., Baroda District, Baroda, P. P. Parikh.

Head Clerk, Educational Inspector's Office, Baroda District, Baroda, K. N. Shah.

Assistant Deputy Educational Inspectors, V. C. Majmudar; L. A. Pimplaskar, Smt. V. R. Randive; R. L. Joshi, C. N. Pathak; G. P. Joshi; R. L. Waghele; S. V. Bangadia; V. V. Majmudar; C. N. Valdia; P. L. Joshi; C. A. Shah; T. B. Pandya.

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Honorary Surgeons, Dr. A. B. Kothari; Dr. M. A. Patel.

Honorary Obstetricians and Gynaecologists, Dr. T. V. Patel; Dr. (Mrs) Indumati T. Patel.

Refractionist, Dr. M. R. Sudhalkar.

Anaesthetist, Dr. L. H. Acharya.

Out-door Medical Officer, Dr. C. C. Patel.

Medical Officer, In-Charge, Medico-Legal Department, Dr. R. R. Chavan.

Casualty Medical Officers, Dr. J. V. Lakkad; Dr. B. N. Kulkarni; Dr. N. K. Muley.

Resident Accoucheurs, Dr. V. C. Mankodi; Dr. C. C. Patel, Dr. (Mrs) Sulochana U. Shah.

House Physicians, Dr. K. M. Shah; Dr. M. B. Patel; Dr. S. G. Patil.

House Surgeons, Dr. M. B. Shah; Dr. K. M. Sheth; Dr. (Miss) R. R. Patil; Dr. (Miss) G. T. Jethmalani; Dr. (Miss) Nallal V. Riswadkar.

Steward, M. R. Nafade.

Head Clerk, K. V. Mande.

Accountant, S. T. Deopurkar.

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In-Charge Resident Medical Officer, Dr. P. O. Shah.

Ward Medical Officers, Dr. P. C. Shah and Dr. S. A. Moghe.

T.B. Clinic Medical Officer, Dr. I. J. Purani.

Office Superintendent, R. I. Chokshi, B.A., L.S.G.D.

Matron, Smt. Shantabai S. Bhalerao.

Sister, Smt. S. D. Job.

Senior Nurse, R. R. Gujjar.

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Chairman, Standing Committee, Gordanbhai M. Patel.

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Health Officer, Dr. R. J. Majmudar, M.B.S.S., D.P.H.

Collection Superintendent, B. N. Telang, B.A., L.S.G.D.

Municipal Accounts and Audit Officer, B. M. Parikh.

Mechanical Engineer, Waterworks, V. G. Saraph.

MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

The Maharaja Sayajirao University is a teaching and residential University established in 1949 under an Act of the State and incorporated in the Statute by the Bombay Government following the merger of the State with Bombay. All the colleges and recognised institutions situated within the University area specified in the Act, became the constituent parts of the University and were with the exception of the Medical College, Technological Institute, Museum and Baroda Sanskrit Mahavidyalaya, conducted by the University. These constituents include:—The Faculties of Arts, Science, Education and Psychology, Commerce, Medicine, Technology (including Engineering), Fine Arts, Home Science and Social Work. There is also an Oriental Institute and Kalabhavan for Diploma and Certificate courses in Technology.

The University started functioning from the academic year 1950-51 by adopting its first Statutes and Ordinances and constituting nine Faculties, viz., Arts, Science, Education and Psychology, Commerce, Medicine, Technology (including Engineering), Fine Arts, Home Science and Social Work. The first examination in the first six Faculties was held in March-April 1951.

Under the Faculty of fine arts, a separate institution called the College of Indian Music, Dance and Dramatics is run for teaching courses in music, dance and dramatics leading to a diploma and a degree in the subjects of study.

In June 1951, the University took over the management of the Baroda Sanskrit Mahavidyalaya, an institution of Oriental learning from the Government of Bombay.

The University conducts an experimental high school as an integral part of the Faculty of education and psychology and also the Chetan Balwadi, a nursery school for children which is attached to the Faculty of home science and is an important adjunct to the Faculty for purposes of observation and experiment.

The Faculty of home science which started working from June 1950 imparts training, among other subjects in child development, foods and nutrition, home management and home science education.

The University has instituted a post-graduate ayurvedic research section in the medical college, Baroda, called Sheth Ujasmal Pitambaras Ayurvedic Research Unit named after the donor who had created a trust and started an ayurvedic college at Patan. The balance of the trust and the library of the institution has been handed over to the University. The Government of Bombay gives an annual recurring grant of Rs. 36,000 for the maintenance of the Unit.

The University instituted in 1952, a post-graduate diploma in Museology too, and the department is located in the museum and picture gallery. Museology is also included as one of the compulsory subjects for students of the Faculty of fine arts offering applied arts.

The scheme regarding the establishment of a banking department in the Faculty of commerce is under consideration of the University authorities.

From June 1953, the Faculty of technology (including engineering) has introduced the courses in textile engineering, the first of its kind in India.

The Ramayana Department, started in Oriental Institute, to publish an illustrated critical edition of Valmiki Ramayan, is progressing well.

Vice-Chancellor, Smt. Hansa Mehta, B.A. (Hons.).

Pro-Vice-Chancellor, Dr. C. S. Patel, B.A., M.Sc. (Bom), Ph.D. (Leeds).

Registrar, B. K. Zutshi, M.A., LL.B.

Asst. Registrar, K. J. Majmudar, M.A., B.T.

University Engineer, N. B. Patel, B.E. (Bom.), A.M.I.E. (India).

Accountant, A. C. Mody, B.A. (Hons.).

Superintendent, B. M. Nanavaty, B.A.

Members of the Syndicate: Smt. Hansa Mehta (Vice-Chancellor); Dr. C. S. Patel (Pro-Vice-Chancellor); S. S. Bhandarkar (Deputy Director of Education); Dr. Jivraj N. Mehta; B. B. Joshi; C. J. Sutaria; Dr. J. M. Mehta; Dr. R. K. Trivedi; R. V. Desai; J. S. Parikh; Dr. A. N. de Quadros; Prof. T. K. Narayan Menon; Prof. V. Y. Kolhatkar; G. B. Pandya.

Deans of Faculties: Arts.—G. B. Pandya, M.A., B.A. (Hons., London); Science.—Dr. C. S. Patel, M.Sc., Ph.D. (Leeds); Commerce.—Prof. V. Y. Kolhatkar, M.Com., M.Sc. (Econ., London); Education and Psychology.—Prof. T. K. N. Menon, B.A., Ph.D. (Leeds), Cert. in Education (Berlin), M.A. Educa. (Leeds), Research Fellow, Educ. (Madras); Medicine.—Dr. A. N. de Quadros, F.R.C.S. (Edin.); Technology (including Engineering).—Prof. D. Subbarao, B.E. (Civil), A.M.I.E. (India); Fine Arts.—Prof. Markand Bhatt, B.D. (Arts), M.A. (Arts Edu., Barnes Foundation) (U.S.A.); Home Science.—Dr. (Mrs.) Rajmatal P. Devadas, B.Sc. (Madras), M.Sc., M.A., Ph.D. (Ohio); Social Work.—Dr. (Miss) Parin Vekharie, B.A., Dip. S.S.A. (T.I.S.S.), M.S. (Columbia), Ph.D. (New York).

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Director, Oriental Institute, G. H. Bhatt, M.A.

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 The Baroda Arts and Science College, Baroda.—*Principal*, A. R. Wadia.
 The College of Engineering, Baroda.—*Principal*, A. C. Sahgal.
 The Pratapsinh College of Commerce and Economics, Baroda.—*Principal and Prof. of Banking*, V. Y. Kolhatkar.
 The Kalabhavan Technical Institute, Baroda.—*Principal*, A. C. Sahgal.
 The College of Indian Music, Baroda.—*Principal*, H. B. Doctor.
 Vernacular Teachers' Training College.—*Principal*, E. V. Dadpe, M.A., T.D.
 Training College for Women Teachers.—*Principal*, Mrs. Kusumben Thakore.
 Diamond Jubilee Cotton Industries Institute, Baroda.
 Emporium of Arts and Crafts, Baroda.—*Head*, G. S. Sant.
 Sanskrit Mahavidyalaya, Baroda.—L. B. Shastri.
 Museum and Picture Gallery.—*Curator*, Dr. Hermann Goetz.
 Oriental Institute.—*Director*, Dr. Binoytosh Bhattacharya.
 The Women's College of Home Science, Baroda.—*Principal*, Dr. Leela Desai.
 The College of Fine Arts, Baroda.—*Principal*, Markhand Bhatt.
 The School of Social Work, Baroda.—*Head*, Dr. Perin Vakharia.
 The Secondary Teachers' Training College, Baroda.—*Principal*, T. K. N. Menon.
 The Aryan University for Girls, Baroda.—*Principal*, Sushilaben Pandit.

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This Faculty of the Maharaja Sayajirao University of Baroda admits 75 candidates for the B. Ed., 30 for the T.D., and 30 for the M.Ed. degrees courses. A few students are also admitted for the Ph.D. and M.Ed. degree courses by thesis only. The Faculty started in 1952 Courses in Psychology leading to the B.A. (Hons.) degree. The Faculty publishes a quarterly "*Journal of Education & Psychology*" (annual subscription Rs. 4).

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Reader, S. N. Mukerji, M.A., B.T., T.D. (Lond.), Dip. Edin. (Dublin).

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 Raniparaj Boarding House.
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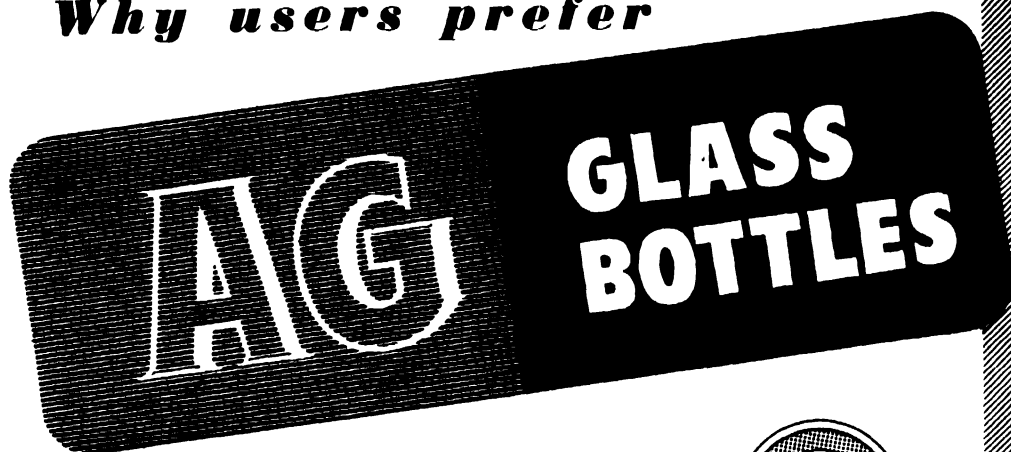
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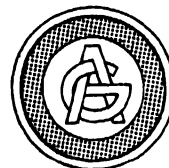
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Patel, S. A., & Co., Raopura, Baroda, Chemists and Druggists.

Ruby General Insurance Co., Ltd., Diwali Bhuvan, Raopura, Baroda. Sarabhai Chemicals (Factory), P.O. Box No. 31, Baroda.

Sayaji Iron and Engineering Co., Ltd., Chhani Road, Baroda (Estd. 1914). Phone No. 2793. Tel. Address : "Foundry," Baroda.

Shirke & Co., Sayajiganj, Baroda. Sub-dealers for Chevrolet Cars, and Trucks and Vauxhall Cars.

Swastik Engineering and Manufacturing Co., Ltd., Bahucharaji Road, Baroda.

Thakkar, B. M., & Co., Raopura, Baroda. Chemists and Druggists.

United India Medical Stores, Patent Medicines, Injections, Provision Stores, Toilet requisites, etc., opp. Secretariat, Baroda.

Vasant Engineering Ltd., Pratapnagar, Baroda. Manufacturers of Textile Machinery.

Vinod & Abhyankar, Ganpule Building, Raopura, Baroda

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BELGAUM DISTRICT

Headquarters : Belgaum.

Talukas and Mahals : Belgaum, Khanapur, Gokak, Athal, Parnagad, Sampgaon, Chikodi, Hukkeri, Chandgad and Ramdurg talukas and Rabag Mahal.

Belgaum District with Belgaum as its capital, is bounded on the north by Kolhapur and Satara South Districts; on the east by Bijapur; on the south by the Districts of Dharwar and North Kanara, on the west by the territory of Goa and Kolhapur District.

The area of the District is 5,524 square miles and the population according to 1951 census is 17,26,908. The languages spoken are Kannada and Marathi.

The country is a large plain studded with solitary peaks and broken here and there by low ranges of hills. In the north and east the land is level and well-cultivated, but in the west it is intersected by spurs of the Sahyadri Range thickly covered in some places with forest. The District contains both black and red soils and produces mostly grains, pulses, oil-seeds, fibres and cotton. The average rainfall in Belgaum is 41.5 inches.

Belgaum, the District headquarters, has a very pleasant climate especially in the hot season and it is described as the 'Mahabaleshwar of the poor.' It has retained its historic importance in the form of an imposing fortress built in the Mogul period. It is a cantonment and a station on the Southern Railway. It is a busy centre throwing on all its sides well-maintained roads connecting all the districts in Karnatak, southern Maharashtra and the Goa territory. It is an important centre of the State Transport Bus Service.

There are a big travellers' bungalow, and a well-furnished private hotel, Hotel Green. There are also a Civil Hospital, a Military Hospital, two well-equipped private hospitals and half a dozen maternity hospitals in the city. For the training of military cadets there is a residential institution called King George Public School in the Camp and the well-known Mahratta Light Infantry Regimental Centre. In the city and the Camp area there are four Colleges, two Arts Colleges, one Law College, one College for the training of Secondary School Teachers, all affiliated to the Karnatak University. There are 15 High Schools of which five are exclusive for girls, which send up students for the S.S.C. Examination. There are also three Primary Teachers' Training Colleges, one Marathi and the other two Kannada. Other institutions worth mentioning are the Remand Home, the Rotary Club, a Masonic Lodge and a number of recreation clubs like Belgaum Club, Union Gynkhana, Social Club, Kreedha Bhuvan and the Ladies' Club.

It has Literary Associations managed by the lovers of Marathi and Kannada literature, and can be proud of a Free General Library of a hundred years standing with an imposing building of its own having a clock tower.

With more than a dozen banks it is growing in importance as a business and commercial centre.

OFFICIALS

Collector and District Magistrate, S. Y. Ranade
District Agricultural Officer, V. H. Kulkarni
Assistant Registrar, Co-operative Societies, C. S. Hubli
Executive Engineer, M. M. Gandhi
Executive Engineer, Ghataprabha Left Bank, P. R. Joshi
Executive Engineer, Ghataprabha Left Bank, Canal Division, I. M. Magdum.
Divisional Forest Officer, J. D. Mascarenhas.
Divisional Forest Officer, Working Plans, S. C. B. F. Britto
Conservator of Forests, S. C. R. R. Choudhari.
Forest Engineer, Southern & Central Circles, Belgaum, I. R. Kerr
Superintending Engineer, S. C., V. B. Manerikar
District Health Officer, Dr. B. Raghavan.
Civil Surgeon, Dr. P. D. Khanolkar.
District Sales Tax Officer, K. V. Ogle.
District and Sessions Judge, G. N. Katre.
District Superintendent of Police, D. L. Kulkarni
Income-Tax Officer, K. D. Dholakia.
District Educational Inspector, S. V. Jewoor.
Regional Transport Officer, M. G. Nalk.
Superintendent of Land Records, H. B. Inamdar.
Superintendent, Belgaum Central Prison, R. C. Bharucha.
Director of Local Authorities, S. D. M. G. Monani.

SPIRITUAL ASSEMBLY OF THE BAHAI'S OF BELGAUM

Baha'i Centre, Opp. Social Club, Belgaum.

Administering the religious affairs of the Baha'i community of Belgaum.

Objects : To establish universal peace and the oneness of mankind, in co-operation with fellow Baha'is in 128 other countries through the spiritual principles of the world religion proclaimed by Baha'u'llah in 1868.

SECONDARY TRAINING COLLEGE

Belgaum.

The College was established by the Bombay Government in June 1939 to afford training facilities to secondary teachers of the southern part of the State. It is affiliated to the Karnatak University and admits 100 students for the B Ed Course. It also offers instruction and guidance to graduate students, reading for the M Ed. and Ph D. Degrees. Since its very inception, the College has been using the mother tongue as medium of instruction in all subjects of the secondary school curriculum in its main practising schools. The College has a well-equipped library and a department of visual education. A spacious building for the College has been erected and there is a big hostel close to the College building.

VACCINE INSTITUTE

Belgaum

The first of its kind to manufacture vaccine lymph in India, was started in 1903. It is now a well-equipped Institute conducting research work and manufacture of vaccine lymph on an extensive scale for Bombay State and Saurashtra. It is a unit of the Public Health Department of the Bombay State and is administered by an Assistant Director of Public Health.

Assistant Director of Public Health, Dr. R. S. Rao, M.B.B.S. (Madras), D.T.M. (Liv.).

VACHANA MANTAPA

Belgaum.

A Kannada Literary Research Institute founded by Dr. V. K. Javali, M Ed., Ph.D. (Bom), M.A. (Columbia) and established in October 1949.

Aims and Objects.—To publish the unpublished literature of the Sharanas of the 12th Century and to translate the already published literature into important modern languages like Hindi, English, French, etc.; to make known the ideologies of the Sharanas to the common man of the world and to educate the human being morally.

The Institute is maintained by public funds and Government grants. Life member : Rs 51.

NEWSPAPERS

"BELGAUM SAMACHAR."—Weekly—Marathi.
"CHIKITSAK."—Weekly—Marathi.
"JANA-JIWALU."—Weekly—Kannada
"LOKAMAT."—Weekly—Marathi.
"NAVAJEEVAN."—Weekly—Marathi
"RASHTRA VEER."—Weekly—Marathi.
"SANDESH."—Bi-Weekly—Kannada.
"TABUN-BHARAT."—Bi-Weekly—Marathi.
"WARTA VIHAR."—Bi-Weekly—Marathi

COTTON MILLS

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BANKS

Bank of Citizens Ltd., Belgaum.
Belgaum Bank Ltd.
Belgaum Catholic Co-operative Bank.
Belgaum District Central Co-operative Bank Ltd
Belgaum Pioneer Urban Co-operative Bank Ltd
Canara Bank Ltd. (Belgaum Branch).
Canara Industrial and Banking Syndicate (Belgaum Branch).
Central Bank of India Ltd. (Belgaum Branch).
Imperial Bank of India Ltd. (Belgaum Branch).
Muslim Co-operative Bank.
New Citizen Bank of India Ltd. (Belgaum Branch).
Saraswat Bank Ltd. (Belgaum Branch).
Supreme Bank of India Ltd.

TRADES & PROFESSIONS

Ajit Laboratories Ltd., Belgaum.
Alemble Distributors Ltd., Belgaum. Branch Office: Nagargoje's Building, Near Railway Station, Miraj.

Anandji Hardias & Co., Ltd., Railway Goods Shed Road, Belgaum.
Associated Mechanical Industries, 1745, Kirsoskar Road, Belgaum.
Belgaum Guest House, 591, Math Galli, Belgaum.

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Doddanavar Brothers, Saw-Mill, Dharwar Road, Belgaum.
Engineering Equipment Company, Khanapur Road, Camp, Belgaum
Gunbora's, Ramdeo Galli, Belgaum, India.

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Maharatta Tyre Co., 2974, Khade Bazar, Belgaum.

M. K. SWAMY & SONS (Established 1920), Bakers and High Class Confectioners, No. 6 Church Street, Camp, Belgaum.

National Ice & Cold Storage, Goods Shed Road, Belgaum.

Ramnath Stores, Shri Krishna Nivas, Market, Belgaum.

Remington Rand Inc., College Road, Belgaum.

Republic Machinery Corporation, Kadolkar Lane, Belgaum

S. G. Phadke & Sons (Estd. 1937), 3108, Khade Bazar, Belgaum

Shevade's Camera Works Ltd., The, Manufacturers of all types of Cameras and Accessories, Thalakwadi, Belgaum.

Social Service Provident Insurance Company Limited, The, 1524-1, Maruti Galli, Belgaum.

Standard Engineering Construction Co. of India, 71, Church Street, Camp, Belgaum.

V. B. Herwadkar, Raviwar Peth, Belgaum. Phone 159.

Vasudeo & Sons, Bakers & General Merchants. Agents: "The Times of India", 92, Church Street, Camp, Belgaum.

Vijay Engineering & Machinery Co., Ramdeo Galli, Belgaum

BIJAPUR DISTRICT

Headquarters: Bijapur.

Talukas: Indi, Sindgi, Bijapur, Bagewadi, Muddebihal, Hungund, Badami, Mudhol, Jamkhadi.

Pethas: Bilgi.

Bijapur District lies roughly between 15°49' and 17°29' North Latitude and 75°19' and 76°32' East Longitude. On the north it is separated by the river Bhima from Sholapur Dist. Including the Akalkot Taluka, formerly a State; on the east and south-east it is bounded by Hyderabad; on the south by the Districts of Dharwar and Belgaum, and on the west by the Districts of Satara South (also called Sangli) and Belgaum.

In the final adjustment of the areas of the merged Deccan States in August 1950, Ramdurg Taluka was detached from Bijapur, while the State areas of Mudhol and Jamkhadi, the Gunadal Taluka of Aundh State, the Tikota Taluka of Kurundwad Senior and a few villages of Ramdurg State were kept. Since the allotment of a Community Project Block to Bijapur district under the 'Five-Year Plan', Bijapur has been divided into four sub-divisions instead of three with their headquarters at Bijapur, Indi, Bagalkot and Jamkhadi.

The area of the District since the exclusion of Ramdurg Taluka is reduced to about 6,601 sq. miles and the population according to 1951 census is 1,396,185. The majority of the people are Lingayats. Both Kannada and Marathi are spoken. The court language is Kannada.

The District has a rich soil but rains are uncertain, the average rainfall varying between 18 and 22 inches. It is one of the famine districts of the State. The staple crops are jowar and wheat but cotton, groundnut, bajri, pulses, linseed, sesamum and safflower are also largely grown. Bijapur and Bagalkot are the two important market centres, the former exporting cotton, jowar, wheat, groundnut, linseed, sesamum and bajri on an extensive scale. Ilkal in Hungund Taluka and Guledgad in Badami are two other commercial centres. Ilkal is known for 'Ilkal saris' the export of which exceeded 3 lakhs of rupees a year at one time. Rabkavi, Mahalingpur and Terdal in Jamkhadi Taluka are three power-loom centres, exporting fashionable saris and petals on a large scale. Handloom industry is the main industry of the District with about 30,000 handlooms, employing nearly 150,000 weavers. The work of the proposed cement factory at Bagalkot called the Bagalkot Cement Co. Ltd. with its managing agents Tendulkar Industries Ltd. has now begun in right earnest and it is hoped that the factory will commence cement production within a period of two years from now. The chief exports of Guledgad are Cholkhans.

Bijapur is an ancient and historical town containing many monuments and relics of the past. Badami is another historical place with tanks and temples coming down from ancient times.

Important Hindu pilgrimage centres are "Rukmini Pandhi Samadhi" about three miles to the west of Bijapur town and the "Inchgeri Swami Math" at Inchgeri in Indi Taluka.

Towns with electric fittings are Bijapur, Bagalkot and Jamkhadi.

The District is well supplied with rivers and water-courses, like the Bhima, Dhoni, Krishna, Ghatprabha and Malprabha. There are also many small streams.

AGRICULTURE

Bijapur is mainly an agricultural district growing as stated above jowar, bajri, wheat, cotton, groundnut, pulses, linseed, sesamum, and safflower. There are two Agricultural Produce Market Committees one at Bijapur and the other at Bagalkot for the regulation of trade. Jowar, bajri and wheat are exported on a large scale to deficit areas, while the money crops of cotton and groundnut are exported to Sholapur and Gokak Mills, and to Bombay and Marmugao respectively. Linseed goes to Bombay and sesamum to Madras State while safflower is consumed by local Ghanis. Grape is now widely cultivated by Bijapur gardeners, Babanagar on Bijapur-Jath road about 12 miles from Bijapur being the chief grape producing centre. Pomegranates are largely grown in Kolhar in Bagewadi Taluka and Kalatgi in Bagalkot Taluka.

During the last ten years Bijapur has made remarkable progress in the cultivation of vegetables which are now abundantly grown: spinach, cabbage, knolkohl, cauliflower, tomatoes and beet-root. Onions and betel-leaves are also abundantly grown in Bagewadi Taluka and are exported on a large scale each worth about Rs. 1,00,000 annually.

The importance of minor irrigation schemes was felt very acutely in Bijapur after the famine of 1946. Since then, seven lift irrigation schemes have been operating, irrigating about 15,000 acres of land in the Talukas of Bagewadi and Bagalkot on the river Krishna and Malprabha. Makanapur tank and Nandargi Talav in Bijapur Taluka were recently thrown open to agriculturists to irrigate about 2,000 acres. During 1952-53 famine year five new Bandharas at Kudgi and Kalai in Indi Taluka; at Gaddalmeri and Muntoji in Muddebihal and at Hiresingutti in Hungund were built as a scarcity relief measure which can irrigate about fifteen hundred acres of land. During the same period 665 new irrigation wells—75 in Bijapur; 54 in Sindgi; 102 in Indi; 20 in Bagewadi; 183 in Mudhol and 231 in Jamkhadi at a cost of Rs. 10,00,000 were sunk under the Planning Commission scheme. Besides 1,576 new irrigation wells were sunk and 2,123 old wells repaired under the "Subsidy-Scheme from 1945 to 1951".

COMMUNICATIONS

The Southern Railway runs right through the District from north to south connecting the District with Bombay in the north via Hotel and Poona and in the south with Belgaum, Goa and Guntakal via Gadag and Hubli. Bijapur District has nine Railway Stations, namely Jumal, Mulwad, Telgi, Almatti, Sittmani, Karlimatti, Bagalkot, Katgeri and Badami in the south and eight railway stations in the north including Bijapur, Minchnal and Indl.

The District's passenger bus services were nationalised with effect from March 25, 1949. The State buses are now operating throughout the District.

The Bijapur Division of the Bombay State Transport Corporation has its headquarters at Bijapur, offices being located in the old forest bungalow and the passenger stand and the traffic department office at the Tashavdi Arches. It has recently shifted its workshop from the Sister Ghumbaz compound to the newly built one just outside the town on Bijapur-Sheetal road. It has opened seven big depots as operating units at Bijapur, Bagalkot, Jamkhandi, and garages at Jath, Muddebihal, Athani and Gulegdudi.

A new high-level bridge across the river, Krishna near Jamkhandi to facilitate commercial and other traffic throughout the year is now being completed. Another bridge across a dangerous stream near Atharga on Bijapur-Indl road has been completed. Another big bridge on the river Bhima near Dhulkhed is under construction and will open the way for a through traffic from Bijapur to Sholapur, Poona and Bombay.

HOSPITALS

There is a Government Civil Hospital with a maternity ward and an eye-hospital with accommodation for indoor patients run partly by the Blind Relief Association and partly by Government at Bijapur, and two free dispensaries, one ayurvedic and the other allopathic conducted by the Bijapur Municipal Borough. There are also maternity and child welfare homes, a leper asylum, a remand home and an orphanage run on money from public charity.

Bijapur District has more than 16 Government subsidised Dispensaries both ayurvedic and allopathic in taluka towns and important village centres conducted by the District Local Board. The Board has also opened nine veterinary dispensaries at taluka towns. Sixteen vaccinators, thirteen anti-epidemic workers and a Touring Medical Officer are looking after the sanitation of the District under the District Health Officer, appointed by Government.

EDUCATION

There is a first grade Arts College at Bijapur with F. Y. and Inter-Science classes. Another Arts College is located at Bagalkot with F. Y., Inter Arts and Inter Science classes. There are six Boys' High Schools and one A. K. Girls' High School at Bijapur and two at Bagalkot. There is a Kindergarten School recently opened under the auspices of the "Tilak Kanya-Shala" and conducted exclusively by the Bijapur "Mahila Mandal".

There is a Government Industrial school in addition to a leather tanning factory and a leather work school (Government have opened an Agricultural School at Bagalkot

The Vijaya College was started in 1945 at Bijapur by the Bijapur Lingayat District Educational Association, Bijapur. The college is affiliated to the Karnatak University, Dharwar.

A new Wachanalaya called "Jay-Hind" for catering for the needs of Bijapur Marathi reading public was opened here recently.

COMMERCE AND INDUSTRY

There is an oil mill at Bijapur providing labour to about 200 workers. Bijapur has also two biscuit factories and two soap factories, five handloom centres at Dargah (a suburb of Bijapur), Terdal, Habkavi and Bannatti (where several hundred handlooms, and about 60 power looms are operating to turn out a large variety of saris), 80 spinning factories working during cotton season only, slate and tile factories, glass bangles and copper and brass industries. Country carpets and blankets are made in several villages in Bagalkot, Hungund, and Badami Talukas and Bilgi Petha. There is a wool-weaving demonstration centre at Kundargi where weavers are trained in improved methods in wool-weaving. A Government sheep breeding farm is situated at Anagwadi where improved types of wool are produced. Fine white building stones are exported from Badami and grinding stones from Muddebihal. Shalabadi type slatestones of various dimensions are quarried and exported in abundant quantities from Talikot, Kaladgi and Minajgi. The Karnatak Glass and Mining Co., Ltd., has started a public company at Bagalkot for manufacturing glassware of all kinds. Oil crushing is done by country ghanis throughout the District and soon oil expellers will be set up at Bagalkot.

Since Dinajpur, the jute producing and exporting centre in Bengal, was included in East Bengal after partition, Bijapur's cotton business came practically to a standstill for want of jute bhata, a covering for packing cotton, etc., Bijapur being a big cotton producing centre.

In 1949 an experiment on Ghayapati a wild plant was successfully made to use it as a suitable substitute for jute. A special type of handloom to weave bhata was prepared and this experiment too produced satisfactory results. Since then, the industry made rapid progress at Bijapur where there are at present more than a hundred looms working day and night producing hundreds of bhata every day. The new industry has been giving employment to about two thousand workers. Bijapur has thus assumed the role of Dinajpur as a jute producing and exporting centre. The plant is grown in abundance.

Sarvodaya centre has been recently opened at Kaladgi in Bagalkot Taluka, Bijapur District, has been catering for the needs of cottage industries, weavers and others and besides helping the kisans for improving their agriculture with a view to implementing Government's "Grow More Food Drive". It is also extending its help to the poor in distress.

MUNICIPAL BOROUGH

Bijapur Municipal Borough has recently chalked out a Master plan which has been approved by Government and its sanction for implementation is now awaited. The town is being beautified by additions of new parks, one in each ward. Accordingly two new parks, one near the Anand-Mahal called Gaganmahal Park and the other in the new Bazar are now fully developed.

ADMINISTRATIVE PERSONNEL

Collector and District Magistrate : H. T. Sadhawan, I.A.S.
Dist. Agricultural Officer : S. R. Dhareshwar.
Asst. Co-operative Officer : S. Sunderesan.
Executive Engineer : V. V. Kale.
Sub-Divisional Officer for Forests : S. K. Chapgar
Civil Surgeon, Bijapur : D. V. Nadkarni
District Sales Tax Officer : M. L. Natu.
District and Sessions Judge : N. S. Shrikhande
District Superintendent of Police : S. S. Nalk.
Income-tax Officer, Ward "A" : V. B. Deshpande.
Educational Inspector : C. S. Benhur
Divisional Controller, State Transport, Bijapur Division : Captain R. H. Desai.
Assistant Collector and Project Officer, Indl : K. Sivraj, I.A.S.
Additional District Magistrate and Prant Officer and also Personnel Assistant to the Collector, Bijapur : G. S. Belgeri
Huzur Deputy Collector : H. G. Gajendragadkar
Prant Officer, Bagalkot Division : C. B. Demello.
Prant Officer, Jamkhandi Division : B. S. Kolmattur
Assistant Superintendent of Police : K. R. Medhekar, I.P.S.
Additional Sessions Judge : S. R. Joshi.
District Inspector of Land-Records : M. V. Budhikoti.

LAWYERS

A. B. Kankanwadi; A. C. Angadi, Government Pleader; P. A. Sidhanti; V. P. Parwatikar; S. T. Patil; Khan Saheb A. N. Ilkal; K. A. Janvekar; G. N. Gokhale; N. P. Desai; K. S. Deshpande; M. P. Ankalkar; S. A. Tanksali; G. L. Ajrekar; G. J. Kanbur, Asstt. Public Prosecutor; K. R. Rao; V. A. Ranade; V. V. Mudholkar; R. S. Deshpande; G. V. Hiremath; N. F. Elavia, Senior Police Prosecutor; B. N. Kavi; R. H. Mangoli; J. H. Desai; L. H. Joshi; G. B. Mahaldar; A. V. Albal; M. K. Gandhi.

EDUCATIONAL INSTITUTIONS

Vijay College, Bijapur.
Shree Basaweshwar College, Bagalkot.
Government Agricultural High School, Bijapur.
Training College for Men, Bijapur.
A. K. Girls' High School, Bijapur.
Marathi Vidyalaya High School.
P. D. J. High School.
Darbar High School.
Shree Siddheshwar High School.
Anjuman-E-Islam High School.

LIBRARIES

The Bijapur Sarwanjanik Wachanalaya has opened a free library called Muktaadwar Granthalaya under the new library movement scheme sponsored by Government of Bombay which has given a free grant of Rs. 4,000 to it per year.
Shree Sidheshwar Wachanalaya is another public library.

ASSOCIATIONS AND CLUBS

The Primary School Teachers' Association.
Merchants' Association.
Stationers' Association.
Cloth Merchants' Association.
Shroffs' Association.
Bijapur Municipal Employees' Association.
Shikshan Prasarak Mandal.

District Bailiffs' Association.
 District Government Servants' Association.
 Bijapur Section Writers' Association.
 Bijapur Bar Association.
 District Lingayat Educational Society.
 Union Club.
 Police Club.
 Shree Siddheshwar Club.
 Vanita-Utkarsha Mandal.
 Government Officials' Club.
 Bombay State Consumers' Co-operative Society Ltd

HOTELS

Arogya-Nivas.
 Gujarathi Lodge.

There are sixteen inspection bungalows at Bijapur, Bagalkot, Kumtagi, Zalki, Chadchan, Sindgi, Honwad, Kolhar, Mulwad, Mangoli, Kamatgi, Hungund, Kaladgi, Badami and Hippargi and rest houses at Badami and Bagewadi. There is also a travellers' bungalow at Bijapur about a mile from the station with a messman attached and a refreshment room at the railway station.

TRADES & PROFESSIONS

Acharya, V. H., & Co, Cloth Merchants, Bijapur.
 Akki, B. D., Dealer in Jiggly seeds, Cotton seeds, Foodgrains, Cotton, etc., Bijapur. Tel. Address: "Akki".
ALLIED AGENCIES, Azad Road, Bijapur.
 Amte, S. N., Cap Mart, Hosiery and Readymade Clothes, New Bazar, Bijapur.
 Bagalkot Printing Works, Printers and Binders, Bagalkot, Dist. Bijapur.
 Ballappa Golappa Golappanavar, General Merchant and Commission Agent, Bagalkot.
 B. C. Rudrakshi, Stationer, Iron and Hardware Merchant and Agent for Parle's Food Products, Parry's Pottery, Cooper's Agl Implements, Dhutapapashvar Ayurvedic Medicines, Gandhi Road, Bagalkot.
 Basawanti, D. S., Cloth Merchant, Bijapur. Head Office: Sholapur Branch, Bijapur.
 Baxi General Stores, New Bazar, Bijapur. Stationers, Cutlery, and Commission Agents. Proprietor: S. A. Baxi.
B. D. HOOLI, Rajahansa Tailors, New Bazar, Bijapur.
 Bhavi, V. P., Cloth Merchant, Bijapur.
 Bhimappa Sangappa Handral, Wholesale Grocery Merchant, Bagalkot.
 Bijapur Cloth Trading Co., Wholesale Cloth Dealers, Bijapur.
 Bijapur Motor Transport Co., Ltd, Bijapur (Regd. 1935). Tel. Address: "Motors". Pioneer Motor Transport Operators in passenger and goods services on all important roads from Bijapur. Contracts for sight-seeing tourists, attended to the best satisfaction of the travelling public.
 Bijapur Motor Union Ltd., Gandhi Road, Bijapur. Government Mail and Goods Transport Contractors.
 Bijapur Stores, Stationers and Newspaper Agents, Bijapur.
CHANKESHARA HIMMATLAL SURCHAND, Cotton Seeds and Grain Merchants and Commission Agents, Bijapur (S. Rly.). F.L. No. 633. S.T. No. 48.
 Channappa Parashuram Yadke, Silk Merchant and Commission Agent, Bagalkot.
 Corporation Bank Ltd., Bijapur.
 Dalchand M. Shaha, Cycle Merchant, Opp. Municipal Hall, Bijapur.
 Delhekar, B. L., Moulana Azad Road, Bijapur.
 Deshpande's Indian Rhythmic Classical Dancing School, Bijapur.
 Devagirkar, N. V., Cap Mart, Dealer in Readymade Clothes, Hosiery and Cloth, Vegetable Market, Bijapur.
DONGERCHAND HIRCHAND BROS., Merchants and Commission Agents, Dealers in Jaggery, Foodgrains, Oilseeds and Cotton, Bijapur. Tel. Address: "WARDHAMAN."
 Dr. S. V. Muddebihal, Chief Agent, The Asian Assurance Co., Ltd., Bombay, Bijapur.
 Gholker & Co., General Merchants and Commission Agents, Station Road, Bijapur.
 Grand Hotel, Boarding and Lodging, Bijapur. Proprietor: Doulatrao Chavan.
 Gundle, V. B., Painter (Building, Water and Oil paints), Enlargements and Signboards, Sholapurkar Shegunshi Patil, Bijapur.
 Gurulingappa Rudrakshi and Veerappa Ballgar, General Merchants and Commission Agents, and Dealers in Coconut. Head Office: Bagalkot. Tel. Address: "Shankar". Branch Office: Trichinopoly (S.I.E.). Tel. Address: "Rudrakshi".
 Haji Hussainsab Jahanasab Maniyar, Stationer, Hardware Merchant and Commission Agent, Bijapur.
 Harukh Balkisan, General Merchant and Commission Agent, Dealer in Foodgrains, Oil, Oil-cakes, Oilseeds and Cotton, Bijapur.
 Hersaji, S. S., Cloth Market, Bijapur. Cloth Merchant and Dealer in Silver and Gold.
 Hitchintaka Printing Press, Printers and Publishers, Bijapur.
 Jamatraj Punamchand Oswal, Stationer and General Merchant New Bazar, Bijapur.
 Jamgi, D. D., Bijapur. Prop.: Saraswati Soda Factory.

CO-OPERATIVE BANKS

The Bijapur District Central Co-operative Bank Ltd., Bijapur (with branch offices at Bagalkot, Badami and Hungund and pay offices at Ilkal, Guledgudd and Talikoti).

The Union Bank of Bijapur & Sholapur Ltd. (branches at Bagalkot, Bijapur, Sholapur, Athani and Ilkal, Bijapur being head office).

Mahalaxmi Urban Co-operative Bank.

Siddheshwar Urban Co-operative Bank.

The Bijapur Dist. Govt. Officials Urban Co-operative Credit Bank Ltd., Bijapur.

The Shri Guru Govind Specie Bank, Ltd., Bijapur.

The Bank of Citizens Ltd.

COTTON MILLS

Karnatak Bhagyodaya Mfg. Co. Ltd.: 10,000 spindles and 2,000 looms. Agent: M. A. Patil, 1070, North Kasba, Sholapur City. Mills at Bagalkot.

Jamkhandi Agricultural and Allied Industries Ltd., Jamkhandi.
 Jog, N. B., Gandhi Road, Bijapur. Prop.: "Arogya-Nivas Boarding and Lodging".
 Joshi Bandhu, Dealer in Gold and Silver, Bijapur.
 Kale, K. D., Timber Merchant and Contractor, Bijapur.
 Karandikar Bros., Bijapur (India).
 Karnatak Engineering Co., Station Main Road, Bijapur. Agents for Caltex Petroleum Products, Char Minar Cement, Asbestos Products and Marconophone Radio.
 Katti, M. B., Hardware and Iron Merchant and Commission Agent, Bijapur.
 Khembhavi Bros., Cotton Brokers and Commission Agents, Bijapur. Tel. Address: "Cotton".
 Kolhatkar, R. V., Newspaper Agent, Kakde & Sons, Pelecan and Pearl Toffee Agent and General Merchant and Commission Agent, Bijapur.
 Laxmi Stores, Gandhi Road, Bagalkot. Stationery Merchants and Dealers in Watches. Proprietors: Kora & Bros.
L. N. TORVI, Chemists, Druggists and Newspaper Agents, Mahatma Gandhi Road, Bijapur.
 Mahalaxmi Co., Ltd., Manufacturers, Merchants and Owners of Ginning and Pressing Factories, Oil Mills, Manure Works, Bolled Oil, Paints and Varnish Industry, Bijapur. Tel. Address: "Mahalaxmi". Manager: G. P. Anklikar.
 Mahantappa Channmallappa Nidgundi, Banker, General Merchant and Commission Agent, Bagalkot. Tel. Address: "Jayadevi".
 Majid Auto-Motor Repairing Works, Specialists in Motor Cycles and Cars, Main Road, Bijapur. Prop.: N. M. Shaikh.
 Mallappa Karbasappa Surpur, General Merchant and Commission Agent, Bijapur. Tel. Address: "Kotlikhandi".
MALLIKARJUNAPPA TALIKOTI (Estd. 1900), General Merchant and Commission Agent, Bijapur and Bagalkot. Grams: "TALIKOTI." Cotton L. No. A. 273. Sales Tax No. U.A. 28.
MODERN MEDICAL STORES, Chemists and Druggists, Tilak Road, Godbole Mala, Bijapur (S. Rly.).
 Modern Restaurant Boarding and Lodging, near Tripuri Sundari Talkies, Bijapur. Prop.: N. Yeshwantrao Jadhav.
MOGALI, N. I., Cap Factory and Readymade Clothes and Hosiery Merchant, Siddheshwar Road, Bijapur.
 New Bharat Engineering Co., Auto-Stores and Machinery Merchants. Prop.: J. M. Walker.
 New Siddheshwar Printing and Litho Works, Azad Road, Bijapur.
 Nutan Ayurveda Karyalaya Ltd., Bijapur.
 Porwal, J. C., Glass Bangles, Cutlery Merchant and Commission Agent, New Bazar, Bijapur.
 P. S. Apte, General Merchant and Commission Agent, New Bazar, Bijapur.
RADHA PRINTING WORKS, Publishers, Book-binders and Paper Rulers, Godbole Mala, Bijapur.
 Rahimatbeg Ismail Beg Jamkhandi, General Merchant and Commission Agent, Bagalkot.
 Ramjee Davjee & Co., Bijapur, Owners of Oil Mills, Exporters of Ground Nuts, Oil Seeds, Cotton and Foodgrains. Tel. Address: "Rayanwala." Telephone: 38.
RAMKRISHNA MEDICAL STORES, Chemists and Druggists, Konjalgi Building, New Bazar, Bijapur.
 Ranade, V. V., Cloth Merchant, Bijapur.
 Ravanshiddappa Sharnappa Navadgi, Grocer and Sole Agent, "Kanam Devan Tea" for Bijapur District including Bijapur, Bijapur.
R. S. NAVADGI, Grocers and Principal Wholesale Dealers. Head Office: Bijapur (S. Rly.). Grams: "ADVENTURE."

Sengappa Basawantappa Shirolkar, Fruit Merchant, New Market, Bijapur.

Sanglikar, I M, Dealer in Imperial Tobacco, Motor and Cycle Tyres, Bijapur.

Seth, V B, Darbar, Money-lender, Dealer in Gold, Silver, Cloth and Yarn, Bijapur.

Sha, Bhagchand Tarachand, General Merchant and Commission Agent, Bagalkot.

Sha, Najindas Namchand, Stationer and General Merchant, Mudhol State.

Shah, Ganpatchand Padamchand, Cotton Broker, Jaggery Merchant, Bijapur.

SHAH PUSALAL CHHOTMAL, Merchant and Commission Agent, Bijapur (S. Rly.). Phone: 66. Grams: "RUNWAL."

SHAH SHIVRAJ JEETMAL, General Merchant and Commission Agent, Bijapur (S. Rly.). S.T. U.A. 100, No. 4. S.L.A. 95. Phone: 66. Grams: "NANDLAL."

Shashikala Stores, Stationers, Jewellery, Embroidery and Tailoring Materials, Bijapur.

Shorthand and Typewriting Speed Classes for Ladies and Gents, near Union Bank of Bijapur and Sholapur Ltd, Bijapur.

Shree Ganesh Pictures, Film Distributors, Bijapur.

Shree Laxmi Narasimha Ghee Stores, Ghee and Vegetable Products Merchants, Chandabavdi Road, Bijapur.

SREE RAM AGENCY, Chemists and Druggists, Bijapur (S. Rly.). Prop.: R. N. Gokhale.

Shree Shakti Talkies, Premier Talkies in Karnatak Prop V V Sakri, Station Road, Bagalkot.

Shrikant Soda Water Factory, New Market, Gandhi Chowk, Bijapur Prop. Sharan, S G.

Shri Mallikarjun Cap Mart, Readymade Clothes Merchants and Dealers in Cloth and Hosiery, Bijapur.

Soma, S B, Iron and Hardware Merchant, Shree Siddheshwar Road, Bijapur.

Subhash Cloth Stores, Gandhi Chowk, New Market, Bijapur Sugandhi, V Y, New Bazar, Bijapur.

Sugarcane Products and Industries Ltd, Bijapur Managing Agents Vinayakrao P Desai & Co.

Sukhlal Lachharam Rejabanshi, Wine Merchant, Bijapur.

Suryawanshi Engineering Works, Main Road, Bijapur.

Sutar, A M, Timber Merchant, Building Contractor and Furniture Maker, Bijapur.

Swadeshi Mill Cloth Stores, New Market, Bijapur.

Swadeshi Stores, Bagalkot Dealers in Stationery, Medicines, Jewellery, Cutlery, Cycles and Fancy Goods.

Tadvalkar, R B, General Merchant and Commission Agent, Bijapur.

Totappa Murgappa Katti, General Merchant and Commission Agent, Mudhol State.

Totappa Sanganbasappa Devangavi, Stationer and Hardware Merchant, Bagalkot.

Uttamchand Kedarimal Oswal, Stationer and General Merchant, Bijapur.

Venkanna Nalk Savnur, Commission Agent, Bagalkot.

Venkatesh Ramrao Kulkarni, Cotton Merchant and Commission Agent, Bijapur Tel Address "Mohan".

Veerappa Shrishelav, a Vastrad, Cloth Merchant, Bagalkot.

Vijay Engineering and Machinery Co, 372, Siddheshwar Road Adat Bazar, Bijapur.

BROACH DISTRICT

Headquarters Broach
Sub-Division Rajpipla

Talukas or Mahals Broach, Vagra, Amod Jambusar, Ankleshwar, Hansot, Nandod, Jhaghadia, Valla, Dedlapada, Segbara.

Broach District is bounded on the north by the river Mahi, on the east and south east by Baroda District, on the south by the river Kim and on the west by the Gulf of Cambay.

The area of the District is 2911 sq miles and the population according to 1951 census 708 035. The language spoken is Gujarati.

The soil is of the black cotton variety and is highly fertile, producing the famous Broach cotton, one of the best in India. Other agricultural produce includes wheat and lang. Timber, charcoal and some kinds of forest produce are available owing to the merger of the State of Rajpipla with the District.

There are two textile mills in the District (both in Broach City) and 39 ginning and pressing factories out of which three are in Broach, one in Derol. Broach town and the rest in other towns like Palej, Jambusar, Rajpipla, Jhaghadia and Amod. The factory at Derol is run by the Broach District Ginning and Pressing Society formed by the agriculturists of the District.

The main line of communication is the Western Railway which runs through the District from south to north.

Broach, the headquarters which stands on the river Narbada and the Western Railway main line, was in former days the seat of a great and flourishing trade. With the growth of Bombay, however, it suffered eclipse and the weaving industry has also declined. Broach is one of the oldest seaports in Western India and is still a prominent port for country craft. The city has a fair, a dharvasala and a P W D inspection bungalow.

OFFICIALS

Collector and District Magistrate Chandrakant V Bhat, M A (Lond)
District and Sessions Judge Sumantra C. Bhat
District Superintendent of Police S P Karnik
District Medical Officer R H Desai, M B B S, B M S
District Health Officer P B Gunte (Vice Dr Adval—on leave)
District Sales Tax Officer P D Karandiker
Income Tax Officers: J J. Patel, B A., LL B (Ward A), R S Jaday, A.O.A. (Ward B)
Asst. Registrar, Co-operative Societies: A I Patban.
District Agricultural Officer: P. C. Mehta.
District Educational Inspector: M. J. Dave.

Administrative Officer, Broach District School Board I M Patel B A, B T
Administrative Officer Broach Municipal School Board J A Rawal
District Engineer A V Vora
District Forest Officer D M Harvate
President of the District Local Board Dahyabhai H Patel B A, LL B
President of the Broach Borough Municipality Jalejar Jamshedji Vakharia
District Malaria Officer P B Gunte

BANKS

Imperial Bank of India, Broach Branch, Tower Road, Broach
Co-operative Bank, Lalubhai Chakla, Broach
Dena Bank (Branch), Lalubhai Chakla, Broach
Central Bank of India, Lalubhai Chakla, Broach
Narbada Banking Co (Private), Ranchhodji's Slope, Broach

MILLS

BROACH KINE COUNTS SPINNING AND WEAVING CO., LTD (formerly Broach Industrial Cotton Spg & Wvg Co., Ltd), Spindles 28,848, Looms 542, Agents, Brijlal Bilalrai & Co, Agakhan Building, Dalai Street, Fort, Bombay. Mills at Mahatma Gandhi Road, near Station, Broach.

GOPAL MILLS CO., LTD (formerly Whittle Spg & Mfg Co, Ltd Nos 1, 2 & 3), Spindles 21,748, Looms 652, Agents, Nanddas Haridas & Co, c/o The Vijaya Mills Co., Ltd, Naroda Road, Railwaypura Post, Ahmedabad No 2 Mills at Mahatma Gandhi Road, Broach.

LIBRARIES

Raychand Dipchand Library, near Tower, Broach
Nrisinh Library, Jawahar Bazar, Broach
Rashtra Bhasha Prachar Library, Jawahar Bazar, Broach
Dadabhai Naoraji Library, Zadeswari Durwaja, Broach

HOSPITALS

The Government Civil Hospital, The Sevashram Hospital Aminabai and Mangalabai Municipal Dispensaries for women, Shabha Maternity Home.

NEWSPAPERS & PERIODICALS

"BROACH SAMACHAR"—Weekly—Gujarati
"JIWAN SADHNA"—Weekly—Gujarati

TRADES & PROFESSIONS

Adarjee Mancherjee Dalal & Co., General Merchants, Government Contractors and Commission Agents, Broach.

Asha Art Printing, Hajikha Bazar, Broach.

Bharat Medical Stores, Katopore Bazar, Broach.

Broach Fine Counts Spg. & Wvg. Co., Ltd., Station Road, Broach.

Broach Industrial Cotton Spinning & Weaving Co., Ltd., Mahamadpura, Broach.

Climax Engineering Co., Ltd., Mahatma Gandhi Road, Broach, Manufacturers of Textile Mill Machinery and Spare Parts.

Mehta & Co., Rangwala, Head Office : Katopore Bazar, Broach.

Napier & Sons, Merchants and Commission Agents, Broach.

Sjt. Hiralal Thakorelal Dalal, Nagarseth Street, Broach.

Zaveri, C. B., Kesuremama's Chakla, Mill, Old, Furnisher, Export and Import Merchant and Agent, Broach.

DANGS DISTRICT

Headquarters : Ahwa.

Taluka : Dangs.

Dangs District lies between north latitude 20°33' and 21°3', east longitude 73°28' and 73°57'. The area is about 658 sq. miles and the population 47,282. Waghal (Dangs), the terminus of the Billimora-Waghal line on the Western Railway, is 171 miles by rail from Bombay Central Station. There are regular State Transport Bus Services throughout the year from Waghal and during fair season from Billimora and Nawapur, to Ahwa, the headquarters of the District.

The languages spoken are Marathi and Gujarati. Marathi is the official language. The inhabitants are mostly Bhils, Kunds and Warlis.

There are rich teak forests which form the principal source of revenue, Dangs teak being considered as second only to Kanara teak in quality.

There is a P.W.D. rest house at Ahwa and there are 22 forest rest houses at various places in the District.

OFFICIALS

Collector and District Magistrate, D. B. Kamble, M.A., LL.B., I.A.S.

District Publicity Officer, Dangs, Ahwa, K. P. Kelaskar, B.A.

Chief Medical Officer, Dr. M. S. Dave, M.B.B.S.

Deputy Educational Inspector, T. U. Kalagdi, B.A., B.T.

Deputy Engineer, Project Sub-Division, Dangs, D. N. Wakankar

Deputy Engineer, P. W. D., Dangs, S. D. Sighat, B.E. (Civil).

Divisional Forest Officer, N. S. Kulkarni, B.Sc.

District Agricultural Officer, D. M. Kulkarni, B.Ag.

District Co-operative Officer, P. L. Udawant.

DHARWAR DISTRICT

Headquarters : Dharwar.

Talukas : Hubli, Gadag, Navalgund, Haveri, Shiggaon, Hangal, Ron, Kalhatgi, Dharwar, Rauebennur, Hirekerur, Shirhatti.

Pethas : Mundargi, Nargund, Byadgi, Kundgol.

Dharwar District is bounded on the north by the Districts of Belgaum and Bijapur; on the south by the State of Mysore; on the east by Hyderabad State and the Bellary District of Mysore State; and on the west by the District of North Kanara. The area of the District is 5,305 square miles and the population according to 1951 census 1,575,386. Dharwar District is roughly divided into two belts, characterised by differences of configuration, soil and products. To the north and north-east spread vast unbroken plains of black cotton soil which produce wheat and abundant cotton crops. Dharwar is the biggest cotton growing District in Bombay. The western belt of the District is traversed by low hills; this tract consists of a succession of low ranges covered with herbage and brushwood. The ranges are separated by flat valleys, and it is to these valleys and the lower slopes of the hills that cultivation is chiefly confined. Farther west the country is still more hilly, and the trees increase in size towards the frontier of North Kanara. In former times Dharwar is said to have yielded gold in abundance, and companies were formed thoroughly to develop the auriferous deposits but their operations have ceased. But the Geological Survey of the Government of India have ordered a fresh survey of areas in the Gadag Taluka with a view to discovering possible gold deposits. The survey work has been completed, but the results are not yet known. The Basel Mission carries on social and educational work. Dharwar, the headquarters town, is a station on the Southern Railway and is the cultural centre of the Kannada speaking regions of Bombay. It is also the seat of the newly established Karnatak University, and a broadcasting station of All-India Radio started functioning in January 1950. Dharwar has two Arts and Science colleges, a college of Agriculture, a college of Forestry and a Kannada Research Institute. The city of Hubli, 12 miles from Dharwar, is the biggest city in the District and is an important railway junction on the Southern Railway, with a railway workshop, an Arts College, a college of Engineering and a college of Commerce. Hubli is also known for its textile industry. The town of Gadag is another centre noted for its textile industry.

OFFICIALS

Collector and District Magistrate : D. D. Sathe, I.C.S.

District and Sessions Judge : G. H. Guggali.

District Superintendent of Police : E. F. Deboo.

Civil Surgeon : M. Z. Abedeen.

Medical Officer of Health : M. R. Dhamdhare.

Executive Engineer : D. S. Nadkarni.

Executive Engineer, Irrigation Division : N. B. Kudalkar.

Executive Engineer, Irrigation Projects : D. B. Kankanwadi.

Executive Engineer, Karnatak Public Health Works Division : T. V. Ganpule.

Superintending Engineer, Karnatak Irrigation Circle : A. G. Nalk.

Divisional Forest Officer, Dharwar : V. N. Nadgir.

Divisional Forest Officer, Kanara (Eastern) : R. D. Joshi.

Divisional Forest Officer, Kanara (Northern) : S. R. Umbargi.

Income-Tax Officers : G. S. Sampat, A. K. R. Prabhu, M. H. Mirde, C. G. Navall.

District Agricultural Officer : T. F. Handral.

District Co-operative Officer : M. H. Chhebbi.

Assistant Registrar, Co-operative Societies : C. A. Jamkhandimath.

Executive Engineer, Jug-Electric Grid : G. T. Sathe, Hubli.

Sub-Regional Employment Exchange Officer, Hubli : O. W. Pralhad.

District Traffic Superintendent, Southern Railway, Hubli : P. R. Krishnaswamy.

Sales Tax Officer, Dharwar and Kanara, Hubli : M. U. Hindlekar.

Sales Tax Officer, Gadag Division : V. R. Pandurangli.

District Educational Officer, Dharwar : K. B. Teraganekar.

Governor, Borstal School, Dharwar : D. M. Jalegaonkar.

Asst. Station Director, All India Radio, Dharwar : Dr. A. M. Natesh.

Regional Publicity Officer : B. G. Kulkarni.

District Publicity Officer : S. H. Patil.

KARNATAK UNIVERSITY

Chancellor, Girja Shankar Bajpai, Governor of Bombay.

Vice-Chancellor, C. C. Hukoti, B.A., LL.B.

Registrar, Dr. S. C. Nandimath, M.A. Ph.D. (London).

THE DEANS OF THE VARIOUS FACULTIES

Arts, Principal V. K. Gokak, Karnatak College; *Science*, Principal G. S. Paramasivayya, Lingaraj College, Belgaum; *Law*, Prof. V. A. Majumdar, R. L. Law College, Belgaum; *Engineering*, Principal A. S. Menon, B. V. Bhoomaraddi College of Engineering and Technology, Hubli; *Agriculture*, V. C. Pawate.

EDUCATIONAL INSTITUTIONS

Karnatak Arts and Science College, Dharwar.
 College of Agriculture, Dharwar.
 Janata Education Society's Science and Banashankari Arts College, Dharwar.
 Kadasiddheshwar Arts College, Hubli.
 Govt. Training College for Men, Dharwar.
 Karnatak University (Post-graduate instruction in Kannada, Chemistry, Statistics and Geology).
 D. V. Halbhavi's School of Art, Dharwar.
 Kannada Research Institute, Dharwar.
 Graduate Basic Training Centre, Dharwar.
 Jagadguru Gangadhar College of Commerce, Hubli.
 B. V. Bhoomaraddi College of Engineering and Technology, Hubli.
 Govt. Training College for Women, Dharwar.

SOCIETIES

The Karnatak Vidya Vardhak Sangha, Dharwar.
 The Karnatak Historical Research Society, Dharwar.
 The Sanskrit Patashala, Dharwar.
 The Hindi Prachar Sabha (Karnatak Branch), Dharwar.

MARATHI VANGMAYA PREMI MAN'DAL GADAG

Aims: To promote goodwill and co-operation among the Marathi and Kannada speaking people of the State, to give facilities for reading writing and lectures and to provide for all such cultural activities.

The Mandal owns a building, where it runs a free reading room. Marathi, Kannada, Hindi and English papers and periodicals are made available for the public. It maintains a library which supplies Marathi books to its members. Membership is open to all.

Every year it celebrates anniversaries of three great religious literary and political leaders of Karnatak and Maharashtra besides the usual routine celebrations. It conducts an Arogya branch where medical help and nursing implements are given at a low cost. A room is kept for travellers.

VANITA SEVA SAMAJ, DHARWAR

The only institution of its kind in Karnatak. It was founded by Mrs. Bhagirathibai Puranki for promoting the Welfare, Social and Educational uplift of women. The Samaj now runs a primary and a secondary school for girls and a Training College for Women. It conducts a free dispensary and maternity home and provides arrangements for imparting training in various crafts and professions. It owns buildings including a hostel to accommodate about a hundred girls. The institution is recognised by Government as a Remand Home for admission of girl delinquents.

KARNATAK MAHILA VIDYAPEETH, HUBLI

(Founded in 1950 by Mr. V. V. Patil and Mrs. Nagamma Patil).

It runs a primary school for girls and a Training College for women; has a hostel for girls.

LIBRARIES

- Karnatak Granthalaya (Regional Library), Dharwar.
- Kannada Research Institute Library (Open to public).
- Karnatak University Library (Open to public).
- Saraswati Vidyaranya Vachanhalaya, Hubli.

KARNATAK CHAMBER OF COMMERCE

Hubli.

The Karnatak Chamber of Commerce was established in 1929 with a view to protecting the interest of merchants and industrialists in Bombay, Madras, Mysore, Hyderabad and Karnatak.

The Chamber is recognised by the Government of India and is represented on the Board of Communications and Industrial Advisory Council of Bombay State, Karnatak University, Bombay Regional Posts & Telegraphs Advisory Committee and the Southern Railway Users' Consultative Committee, Mysore.

President.—S. S. Yelamalli, Gadag.

Vice-Presidents.—Murligeppa Chigateri, Davangere; Vithobasa H. Kabade, Gadag; Sha Ramaji Devaji, Bijapur.

Hon. Secretaries.—M. S. Jengin, Bagalkot; R. V. Sirur, Hubli; I. V. Wali, Hubli.

NEWSPAPERS & PERIODICALS

"ANKUSHA."—Weekly.—Kannada.

"JAI HIND."—Weekly.—Kannada.

"JAYA KARNATAK."—Monthly and Weekly—Kannada.

"JAYANTI."—Monthly.—Kannada.

"KALIYUGA."—Monthly.—Kannada.

"KANNADIGA."—Weekly.—Kannada.

"KALMAVIR."—Weekly.—Kannada.

"KARNATAK BHANDHU."—Weekly.—Kannada

"KARNATAKA VANIJYA."—Quarterly.—Kannada and English.

"LOKAMITRA."—Weekly.—Kannada.

"NAVAJIWAN."—Monthly.—Kannada.

"NAVAYUG."—Daily.—Kannada.

"SAMAJ VIKAS."—Weekly.—Kannada

"SAMYUKTA KARNATAK."—Daily.—Kannada.

"SWATANTRTA."—Daily.—Kannada.

"VIKAS."—Monthly.—Kannada.

"VISHAL KARNATAK."—Daily.—Kannada.

COTTON MILLS

BIHARAT SPG & WVG. CO., LTD. No. 1 & No. 2, Spindles 28,904, Looms 604; Bleaching, Dyeing and Finishing; Managing Agents: Purshotam Govindji & Co., Gool Mansion, Homji Street, Fort, Bombay. Mills at Hubli.

NARAYANDAS CHUNILAL COTTON SPINNING AND WEAVING MILLS (formerly Gadag Cotton Spinning & Weaving Mills). Spindles 12,824, Looms 214; Proprietor: Narayandas Chunilal, 312, Kalbadevi Road, Bombay. Mills at Gadag.

TRADES & PROFESSIONS

Akki, B. D., Dealer in Jiggley Seeds, Cotton Seeds, Foodgrains and Cotton, Hubli (Dharwar Dist.).

Gokuldas Vithaldas Warkar, Gunny Merchant and Commission Agent, Gadag, Southern Ry.

Hosmani & Co., Hubli. Tel. Address: "UNITY". Telephone No. 62. Prop. of Shri Gajanan Dal & Flour Mills.

Imperial Bank of India, Hubli.

MADIMAN, G. N., & SONS, Cotton Commission Agents, Merchants and Bankers. Agents: Standard-Vacuum Oil Company, for all their products. Proprietors: Shri Laxmi Ginning and Manufacturing Co. and Shri Laxmi Oil Mills. P.O. Box No. 2, Hubli. Tel. Address: "MADIMAN". Telephone No. 15.

EAST KHANDESH DISTRICT

Headquarters: Jalgaon.

Talukas: Chalisgaon, Amalner, Parola, Chopda, Erandol, Pachora, Jamner, Jalgaon, Yaval, Raver, Bhusawal.

Mahals: Edlabad, Bhadgaon.

East Khandesh, with Jalgaon as capital, is the eastern-most District in Bombay State. It is bounded on the north by the Satpura Mountains and Madhya Bharat State, on the east by Nimar and Berar, on the south by Hyderabad State, and on the west by Nasik and West Khandesh Districts.

The area of the District is 4,535 sq. miles and the population according to 1951 census 1,471,351. The main population of the District is composed of Levas and Marathas, with a good percentage of Bhils, Vanjaris and other hill tribes. Levas, who are supposed to be the descendants of Lahu, the son of Itami, are said to have migrated to the District in the 11th century. Their language is a peculiar mixture of Gujarati, Marathi and Hindi and is called Ahirani. The District has very rich black soil, specially in the trans-Tapti Talukas, and is among the Districts which yield the highest revenue.

AGRICULTURE

The most important crops are cotton, groundnuts, jawar, bajri, gram, millet, linseed and sesamum. The most important garden crops are chillis, coriander, melons, watermelons, betel leaf, bananas, mosambi and santra. North India is a lucrative export market for bananas for the sale of which co-operative limited companies have been established at Jalgaon and Jamner. The bananas are now marketed by the State Co-operative Marketing Board in Delhi.

Cotton and groundnut are even more important. 20 per cent of all the cotton produced in Bombay State comes from this District. The cotton is classed as Jarla which new variety wholly replaced the old variety called Oomra in 1944. Jarla cotton is finer than Broach and fetches a higher price. Government have a special agricultural farm at Jalgaon for improving Jarla still further specially in regard to ginning percentage. A new variety of Jarla known as 107-3, gives 4 per cent more ginning. This is now widely sown in East Khandesh, West Khandesh and Nasik districts. Bombay Government have this year introduced C.O. 4 (Cambodia), by importing seed from Madras. This is a long staple cotton and the yield per acre is much higher and can only be put under cultivation, if there are irrigation facilities. 3,000 acres of land are under cultivation of this variety during the current year. Bombay Government have, however, this year, relaxed restrictions on the compulsory cultivation of Jarla cotton, so as to increase cotton production in general. This has led to an increase in acreage under cotton, the current year's acreage being three lakhs.

About 25 per cent of the groundnut produced in this State comes from East Khandesh. There has been a sharp fall in acreage under groundnut owing to unfavourable weather conditions during successive years. There is a large export trade in groundnut oil and hydrogenated oil or vanaspathi.

COMMUNICATIONS

The Central Railway is the main line of communication and between its various lines traverse the whole length and most of the breadth of the District.

The Imperial Bank has a branch at Jalgaon and there are nine other banks in the town.

Jalgaon is the biggest town and District headquarters, a great trade centre, and also an educational centre. The M. I. Arts & Science College teaches upto B.A. and B.Sc. degrees. There is also a Government Agriculture School, besides a number of private high schools. There is a travellers' bungalow about two furlongs from the station. The town is an important junction on the Central Railway. The town is 37 miles from Ajanta Caves and a regular State Transport buses traffic exists from Jalgaon to Ajanta. Bhusawal is the biggest railway junction after Bombay on the Central Railway. Amalner is the biggest cotton centre in the District. Other towns in the District with a population of over 30,000 are Chopda and Chalisgaon.

The geography of the District is worth a note. The District of Khandesh is not part of the Deccan, but is the lower part of the basin of the Tapi, and the whole of the basins of the Girna and its affluents. East Khandesh comprises the eastern portion of these basins and is entirely watered by these two rivers and their affluents. There are a number of small irregular hill ranges in the District. In the valley between these, and more especially in the valley of the Tapi proper, the District presents an extraordinarily fertile appearance. In this respect it differs widely from the Deccan. The roads are bordered with fine trees and there are several mango groves around most villages.

The Satpura mountains in the north consist of difficult uninhabited country which, however, produces excellent bamboos and grass, and timber suitable to the needs of the local population.

The river Tapi in this District is used, neither for watering fields nor for boat traffic. The height of the banks has hitherto prevented successful irrigation. The rainfall (mean annual is 28.27 inches)

is usually both general and regular, which fact in itself discourages irrigation. The trade follows the different railway lines serving the District. Khandesh rivers and streams abound in fish. There are no fishing rights nor any Government control. Good shikar is available in the forest area round Ghodasgaon and Pal in Edlabad Peta.

OFFICIALS

Collector and District Magistrate, S. E. Sukhtankar, I.A.S.

District Agricultural Officer, R. D. Galtonde.

District Co-operative Officer, B. S. Choudhari.

District Engineer, D. S. Tambekar.

District Forest Officer, S. A. Mudkar.

District Health Officer, Dr. G. N. Niyogi.

District Malaria Control Scheme Officer, S. V. Kulkarni.

District Sales Tax Officer, I. G. Pangarkar.

District and Sessions Judge, J. R. Nazareth, M.A., LL.B.

District Superintendent of Police, A. H. Khan, I.P.

Income-tax Officers, K. S. Godse, S. Y. Raje Pandhare.

Inspector of Schools, N. G. Save.

Additional Sessions Judge, R. M. Mehta.

Civil Judge, Senior Division, Jalgaon, A. M. Shalkh.

Head Master, Government Agricultural High School, S. S. Surve.

PRATAP COLLEGE OF SCIENCE AND ARTS, Amalner

This College, now affiliated to the University of Poona, is conducted by the Khandesh Education Society, Amalner. Shrimant Pratap Shet, a leading industrialist of Khandesh has been the elected president of the society continuously for over 30 years.

The Pratap College started in June 1945, became a degree college in June 1946. Since 1948 M.A. Classes were allowed to be opened. Two spacious buildings of hostels have been erected on the premises of the college one of which is named as Shri Sou. Bhagirathibai Pratap Shet hostel. These two buildings provide accommodation for about 160 students. A separate arrangement for lady students is also made.

Khandesh being a comparatively backward area, students are given intense coaching and instruction. Best English pictures are shown to the students with the help of a 16 mm. projector machine. Debating unions, sports like foot-ball, hockey, volley-ball and hu-tu-tu are being played by a large number of students every day.

KHANDESH COLLEGE EDUCATION SOCIETY'S MOOLJEE JAITHA ARTS & SCIENCE COLLEGE, Jalgaon

The College was started in June 1945 by the Khandesh College Education Society, Jalgaon. It is serving the long-felt need of higher education of the District of East Khandesh wherein the number of high schools is fast increasing. The institution has been singularly lucky in securing the patronage of Shreeman Sheth Chhatrabhuj Govardhandas, the present heir of the family Mooljee Jaithas of Bombay. The college has a site of thirty acres situated outside the town in the vicinity of the revenue buildings. In June 1947 the college was raised to a full grade institution both on the Arts and Science sides.

VALLABHDAS VALJI GENERAL LIBRARY Jalgaon

The library was established in July 1877. Mr. Polon donated Rs. 500 and persuaded the firm of Moolji Jetha and Co., to donate a sum of Rs. 4,000, in memory of Vallabhdas Valji Shet, after whom the institution is named. It is the oldest library in the District and was registered in 1912. In 1947, the library was recognised as a District library under the new scheme of the Bombay Government, and admission is free to the public. It is managed by a committee of nine elected members and one nominated by the Government.

The library conducts an annual lecture series, a study circle, and a magazine section. It took the initiative in forming the East Khandesh Library Association, Jalgaon, E. Khandesh.

President.—Dr. D. L. Athawale, D.O.; *Secretary*.—D. V. Kulkarni, M.A., B.T.

INDUSTRIES

The main industry is based on agriculture. There are 37 oil mills in the District, besides several bullock driven presses. Two vegetable factories one at Pachora and another at Amalner employ 750 and 250 workers respectively. There is a silk mill at Pinprale, with 30 looms, employing 110 workers.

There are in the whole District five spinning and weaving factories, 97 cotton ginning and pressing mills, ten dyeing factories, three big railway workshops (at Bhusawal) all employing more than 28,000 people.

Important weaving centres in the District include Nasirabad, Erandol, Dharangaon and Parola. Paper is manufactured on a small scale by hand-made process at Erandol and Government are encouraging the industry.

COTTON MILLS

GENDALAL MILLS LTD. (formerly Bhagrath Spg. & Mfg. Co, Ltd.), Spindles 12,504, Looms 368, Managing Director Surajmal Gendalal Badjatia. Office on Mill premises. Mills at Jalgaon, E. Khandesh.

KHANDESH SPG. & WVG. MILLS CO, LTD, Spindles 22,040, Looms 465; Secretaries & Treasurers Indra Singh & Sons, Ltd, Cambatta Building, 42-A, Queen's Road, Back Bay Reclamation, Fort, Bombay. Mills at Jalgaon, E Khandesh

PRATAP SPG, WVG & MFG CO, LTD (Nos 1 & 2), Spindles 48,952, Looms 1,086, Agents Motilal Maneckchand & Co, Office on Mill premises. Mills at Amalner, East Khandesh.

NEWSPAPERS & PERIODICALS

"BATMIDAR"—Weekly—Marathi.
 "BHAVSAR"—Weekly—Marathi
 "JANASEVAK"—Weekly—Marathi
 "PRABODH CHANDRIKA"—Weekly—Marathi.
 "RASHTRA SEVAK"—Weekly—Marathi
 "VARTA VIHAR"—Weekly—Marathi

BANKS

Imperial Bank of India, Jalgaon
 East Khandesh Central Co-operative Bank Ltd.
 Jalgaon People's Co operative Bank Ltd.

TRADES & PROFESSIONS

Ashok Chemical and Pharmaceutical Works Bombay & Jalgaon
 Manufacturers of Genuine & High Class Ayurvedic Pharmaceuticals, P O Box No 40 Jalgaon (E. K.)

BEHARAT AGENCIES, Mahatma Gandhi Road, Jalgaon (E.K.).

Deccan Engineering and Trade Services, Ganesh Building, Maheji Bazar Jalgaon (E. K.)

Deshmukh Brothers, Jalgaon, Distributors for Messrs Kirloskar Brothers Limited Kirloskar Oil Engines Ltd, Parry & Co Ltd, Messrs Ogale Glass Works Ltd, Lakaki Works Ltd

THE EAST KHANDESH CENTRAL CO-OPERATIVE BANK, LTD.

Registered under the Co-operative Societies' Act of 1925.

HEAD OFFICE JALGAON

Telephone No 354. Telegraphic "EKC BANK"

AUTHORISED CAPITAL Rs. 25,00,000

PAID-UP CAPITAL Rs. 15,04,600

RESERVE AND OTHER FUNDS Rs. 18,65,482

FINANCE TO SOCIETIES Rs. 1,35,61,640

BRANCHES At all the Taluka towns and petas and important commercial towns

Chairman SHRI J S PATEL, B.A., M.B., M.L.A.

Vice Chairman M G PATIL, M.L.A.

Administrative Officer W D SAIUNKHE B.A. (Hons.),

Retired Deputy Registrar of Co-operative Societies

Managing Director R Y SONAWANE, B.A.

Jalgaon Medical Stores, Chemists, Druggists and General Merchants, Navipeth, Jalgaon (E. K.).

Khandesh Ayurvedic Pharmacy, Jalgaon (E. K.) Manufacturers of Scientific and Most Effective Medicines

KHANDESH SPORTS, JALGAON (E.K.).

Manufacturers of Physical Training

Apparatus such as wooden clubs

Dumb-bells, Lagori, Laxims and

Wands, etc., and Dealers

in sports goods and

presentation articles.

M. K. Patel & Co. Mill Grain Store Suppliers Jalgaon (E. K.)

Oriental Government Security Life Assurance Co Ltd Inspectorate Office 70 Navi Peth Jalgaon

Prakash Stores, Bahram Peth, Jalgaon (E. K.)

RADHAKRISHNA MEDICAL STORES, Maheji Bazar, Jalgaon (E. K.). Direct Importers; Dealers in Drugs, Medicines, Chemicals, Provisions, Toilet requisites and general Merchants.

Sewashram Lodging and Boarding House Jalgaon (E. K.)

United Trading Corporation, Wholesale Chemists, Druggists and General Merchants, Polur Peth Jalgaon (E. K.)

KAIRA DISTRICT

Headquarters : Kaira (Revenue), Nadiad (Judicial).

Talukas and Mahals : Matar, Mahemdabad, Nadiad, Kapadvanj, Anand, Borsad, Thasra, Balasinor, Cambay, Petlad.

Kaira District lies between North Latitude 22°14' and 23°7' and East Longitude 72°30' and 73°23'. It is bounded on the north by the Ahmedabad and Sabarkantha Districts, on the south by the Baroda District, on the east by the Mahi River and Panch Mahals District, on the west by the Ahmedabad District and the Bay of Cambay. The former princely States of Cambay, Balasinor, Ghodasara and part of Baroda have merged in this District so that its limits now extend upto the Panch Mahals and the Bay of Cambay. The population of the District according to the 1951 census is 1,612,426; area, 2,542 square miles. The language spoken is Gujarati.

Nadiad is the largest town in the District and the seat of the District and Sessions Judges' Courts, the District Local Board, Sales Tax and Income-Tax Departments. The revenue headquarters, however, is Kaira, where also the head post office and the District and Civil hospital and police lines are located. Nadiad, Kapadvanj, Umreth, Dakor, Anand, Petlad and Cambay are the only towns which are supplied with electric power; and local telephone facilities are available only in Nadiad, Petlad, Anand and Kapadvanj. Trunk calls, however, can be made from Nadiad, Petlad, Anand, Kapadvanj and Cambay. Nadiad, Petlad and Anand are also railway junctions, the first for Kapadvanj, the second for Dakor-Godhra, Petlad, Cambay and the third for Bhadrachal, etc. The railway authorities have connected the Pij-Petlad Railway with Nadiad and hence there is direct Railway from Nadiad to Bhadrachal. There is a network of State bus services in the District.

Petlad is another industrial town. Cambay is the only port in the District.

Tobacco which is suitable for the manufacture of cigarettes is grown in Kaira District while at Sevalla in the Thasra Taluka the Associated Cement Co., Ltd. has started a cement factory where daily one hundred tons cement is manufactured.

The Government of India have opened a tobacco research institute at Anand. The Mahi, the Vatrak and the Meshwo irrigation schemes have been taken up by the Government. Waterworks schemes with drainage sponsored by the Nadiad Municipality has been completed and drainage has been undertaken. In addition, a scheme has been operating this year at Kaira and schemes of water works have been undertaken at Anand, Umreth and Ode.

Nadiad is also the Headquarters of the State Transport for Ahmedabad, Kaira and Panch Mahals.

Electricity is supplied in various places under the North Gujarat Electric Grid Scheme. Nadiad and Anand are the sub-stations.

OFFICIALS

Collector and District Magistrate, Bhimbhai M. Desai.
District Supply Officer, N. V. Vaniker.
Assistant Registrar Co-operative Societies, J. S. Barot.
Executive Engineer (P.W.D.), M. D. Kale.
Chief Medical Officer, I. C. Dalal.
District Sales Tax Officer, K. K. Gupta.
District Superintendent of Police, V. B. Shanbag.
Inspector of Schools, V. D. Varde.
District and Sessions Judge, V. D. Jesty.
Assistant District and Sessions Judge, M. K. Thakor.
Civil Judge (S.D.), M. B. Desai.
Civil Judge (S.D.), S. N. Rizvi.
Resident F. C. Magistrate, P. P. Patel.
Addl. Res. F. C. Magistrate, R. N. Purohit.
Income-tax Officer, Sadar.
Head Master, Govt. High School, V. N. Hingorani.

COLLEGES

J. J. College of Science, Nadiad.
Chhotalal Babarbhai College of Arts, Nadiad.
Birla College of Engineering, Anand.
Science and Arts College, Anand.
Agricultural College, Anand.
Vithalbhai Patel Arts College, Anand.
Bikhabhai Patel College of Commerce, Anand.
Agriculture Institute, Anand.

LAWYERS

Bahecherdas M. Shah.
Ishverlal L. Pandya.
Chunilal R. Saralia.
Chhotabhai D. Shah.
Ambalal P. Barot.
Chaturbhaj N. Patel.

ASSOCIATIONS

Cloth Merchants' Association.
Grain Merchants' Association.
Oil Merchants' Association.
Tea Merchants' Association.
Tobacco Merchants' Association.

CHAROTAR EDUCATION SOCIETY, ANAND.

The Charotar Education Society is a prominent educational institution in Charotar working in the field of pre-primary, primary, secondary, and adult education and the training of teachers. It aims at making the pupils under its care cultured citizens by helping them to a well-balanced physical and mental development. The institutions conducted by the Society, viz. Dadabhai Naoroji High School, Kasturba Kanya Vidyalaya, Shishuhar, Ambalal Balgriha Shala (a primary school with a residency) and Motibhai Amin Primary Teachers Training College stand on their own grounds. The Society owns an up-to-date science laboratory, library, reading-rooms, a gymnasium, hostel blocks, teachers' quarters and large playgrounds. Music, drawing and athletics and extra-curricular activities are given special attention. The Society accepts and manages educational trust funds, manages schools in the mofussil, conducts 160 Dadabhai Naoroji Reading Rooms in the Kaira District, publishes the children's magazine "Balmitra" and books for children, and works for the spread of Hindi. It also organises athletic sports gatherings for the District.

President—The Hon'ble Ganesah Vasudeo Mavalankar, B.A., LL.B., M.P.
Secretary—Raojibhai C. Patel, B.A. (G.V.).

OTHER INSTITUTIONS

American Methodist Mission Hospital, Nadiad.
Dahl Laxmi Library, Nadiad.
Government Agriculture Institute.
Government Tobacco Research Institution, Anand.
Polson's Model Dairy, Anand.
Rotary Club, Nadiad.
City Gymkhana.
Social Club.

BANKS

Imperial Bank of India, Nadiad.
Central Bank of India, Nadiad.
Deokaran Nanjee Bank Ltd., Nadiad.
Baroda Bank, Petlad.
Baroda Bank, Cambay.
Baroda Bank, Kapadvanj.
Kaira District Central Co-operative Bank.

MATCH FACTORIES

Cambay Match Works, Cambay.
Datar Match Factory, Petlad.
Western India Match Co. Ltd., Cambay.

NEWSPAPERS & PERIODICALS

"AGEKADAM."—Weekly.—Gujarati.
"GUJRAT TIMES."—Weekly.—Anglo-Gujarati.
"KAIRA VARTAMAN."—Weekly.—Gujarati.
"KHEANT."—Fortnightly.—Gujarati.
"LOKAMAT."—Weekly.—Gujarati.
"PATIDAR."—Monthly.—Gujarati.
"PRAJAPATI PATRIKA."—Monthly.—Gujarati.
"LOKBANDHU."—Weekly.—Gujarati.
"JANATA."—Weekly.—Gujarati.

SPINNING & WEAVING MILLS

Bulakidas Mills Ltd., Petlad.
Keshav Mills Ltd., Petlad.
Rajratna Mills Ltd., Petlad.
Turkey-red Dye Works, Petlad.
New Shorrock Spinning, Weaving & Mfg. Co., Ltd., Mills at Nadiad.

TRADES & PROFESSIONS

Bhadrakumar Jyotish Karyalaya, Ghas Gurora Siddharth Mahadev Building, Cambay 1. All Astrological inquiries and orders promptly executed.
Chaturlal Chhotalal Shah, Jeweller and Stone Cutter, Junl Mandel Kda Kotli, Cambay.
Chandulal M. Desai & Co., Chemists and Druggists, P. O. Ode, Kaira.
Chhotabhai Jethabhai Patel & Co., Bidi Manufacturers, Nadiad, Kaira District.
Dharamchand Madhavji, Cream & Casein Merchant, Kakarkhad, Nadiad (Kaira Dist.).
DOSHI BROTHERS, Importers and Dealers in Dairy Appliances and Manufacturers of Dairy Products, Anand, Dist. Kaira.
Thakerji Maharaaj Co-operative Society, Bankers and Moneylenders, Municipal Office, Nadiad, Kaira.

KOLABA DISTRICT

Headquarters : Allbag.

Talukas and Mahals : Allbag, Pen, Panvel, Karjat, Roha, Mangaon, Mahad, Khalapur, Uran, Poladpur, Murud, Shrivardhan, Mhasla and Sudhagad.

Kolaba District in the Konkan area of Bombay State lies between North Latitude 17°52' and 19°3' and East Longitude 73°7' and 73°42'. On the north it is bounded by Thana District; on the east by the Sahyadri Hills and Poona and Satara North Districts; on the south by Ratnagiri; and on the west by the Arabian Sea.

The total area of the District is 2,715 sq. miles, the population (based on 1951 census) 909,083.

The Talukas which were incorporated into the Kolaba District after the merger were: Murud, Shrivardhan and Mhasala from Janjira, and Sudhagad from Bhior.

Kolaba is a rugged belt of country cut across by numerous creeks from 15 to 30 miles broad stretching from the south of Thana and Bombay Harbour to the foot of the Mahabaleshwar hills, 75 miles south-east.

Notable places in the District are Raigarh near Mahad, once the capital of the great Shivaji and Kanakeshwara near Allbag, which is fast growing into a holiday resort as it is a hill 1,100 feet above sea-level and gives a complete view of Bombay. Matheran is another well-known hill station. Elephanta near Bombay is also in this District. Allbag, the District headquarters is 24 miles south of Bombay, communication being by steam ferry service via Revus. Allbag has a magnetic observatory which is devoted to research in magnetic and electric currents which circulate in the interior of the earth.

The historical sea-fort Kolaba, at Allbag, which was the naval capital of Shivaji, has recently been taken over by the Archaeological Department of the Government of India. The Hingulja hill near Revedenda, about nine miles from Allbag, is growing into a holiday resort.

The Kolaba District has now its own District and Sessions Court.

There is a Training College for men at Panvel and another for women at Sasawane in Allbag Taluka. The Sarvodaya Centre is situated at Sudkoli in Allbag Taluka.

AGRICULTURE, POWER

On the flat lands of the District rice is grown, and the sea-front is fringed by a belt of coconut and arecanut palms. There is large-scale plantation of mango grafts and the produce is exported to Bombay. Lorry loads of melons from Panvel are also sent to Bombay. The teak forests are very valuable and there is a considerable fishing industry.

The District has three Power Houses: The Tata Power Co.'s Power House at Bhira (Patuna), the Tata Hydro-Electric Power Supply Co.'s at Khopoli and the Andhra Valley Power Supply Co.'s at Bhivpuri.

The District is served by the Central Railway which passes through the Karjat Taluka. In addition to steamer ferry there is direct steamer communication between Bombay and the coastal ports during the fair season. There are roads over the ghats which connect the District with the interior and are available for traffic all the year round.

TRADE, INDUSTRY

The chief articles of export are rice, salt, fire-wood, grass, timber, vegetables, fruit and dried fish. The imports consist of teak, grain, piecegoods, oil, potatoes and sugar. At Khopoli a fish centre has been instituted where various kinds of fish are grown. A card-board paper mill has started functioning.

The principal trade centres of the District are Pen, Panvel, Karjat, Nagothana, Revedanda, Roha, Goregaon and Mahad. Uran and Pen are big salt-producing centres. Panvel contains a large ayurvedic pharmacy, the Shri Dhootapapeshwar Panvel Ltd., Mora in Uran Mahal has a big tile factory which manufactures tiles worth two lakhs a year.

OFFICIALS

Collector and District Magistrate, R. A. Zupairy.
District Agricultural Officer, D. H. Joshi.
Assistant Registrar of Co-operative Societies, B. V. Kumbhare.
Executive Engineer, Kolaba Division, G. B. Bagul.
District Forest Officer, L. G. Fagu.
District Health Officer, P. D. Punjpe.
District Medical Officer, H. G. Sattur (Civil Surgeon).
District and Sessions Judge, B. V. Mangeshwar.
District Superintendent of Police, S. M. Ambegaonkar.
Income-tax Officer, S. D. Kulkarni.
Educational Inspector for Kolaba, K. C. Mahli.
Project Officer at Karjat for Kolaba and Thana, S. P. Mondkar.

NON-OFFICIAL FUNCTIONARIES

President, District Local Board, N. V. Kulkarni.
President School Board, A. P. Patil.
District Home Guard Commandant, D. K. Khanolkar.
District Home Guards Publicity Officer, P. D. Talimkar.
Adjutant, Kolaba Home Guards, S. V. Tale.
District Prohibition Officer, Home Guards, S. P. Thakur.

NEWSPAPERS & PERIODICALS

"ADERSH."—Monthly—Marathi.
"JANA-SHAKA."—Weekly—Marathi.
"KOLABA SAMACHAR."—Weekly—Marathi.
"KONKAN KRISHIVAL."—Weekly—Marathi.
"RASHTRATEJ."—Weekly—Marathi.

MATHERAN (HILL STATION)

Matheran is a hill station and sanitarium, about three hours' journey from Bombay and Poona. Visitors are conveyed up the hill from Neral (Central Rly.) by the Matheran Steam Tramway and Rail Motors. The town is about 2,500 feet above sea-level, and is a favourite hot weather resort. The maximum and minimum temperatures range between 65 and 80 ordinarily and the average rainfall is 200 inches. The place has an agreeable climate.

There are some 31 points round the hill commanding gorgeous views and 35 miles of roads and paths on the hill. There are lovely walks and rides throughout the hill. Its spring water is reputedly good. Pure, filtered and chlorinated water is supplied to all bungalows on the hill by pipes.

Among the amenities of Matheran are several good hotels, a well laid out public park and garden, a bandstand, two children's playgrounds, electric and telephone services and several cool and shady picnic places. During the season the band plays almost daily. The hill is a favourite place for honeymoons. There is the cosmopolitan Matheran Club and the Parsi Gymkhana in Matheran, with tennis courts, two sanitariums for Parsis, three for Hindus and one for Ismaili Khojas available for convalescents.

The hill offers excellent opportunities for shikar and a good shot is certain to carry his trophy of spotted skin, even within a short stay.

The Municipality maintains an up-to-date hospital for both in and out patients. There is a Post and Telegraphs Office, a Revenue office and a Stipendiary Magistrate's court, police station and a forest depot.

KOLHAPUR DISTRICT

Headquarters : Kolhapur.

Talukas and Mahals : Karwir, Panhala, Shahuwadi, Radhanagari, Bhudargad, Hatkanangle, Gadhnigaj, Kagal, Shirol, Bavada, Ajara.

The old Kolhapur State in the Deccan was integrated completely with Bombay State on August 1, 1949, and was transformed into a District as in the case of some of the other States merged into Bombay. Kolhapur District as it is now called lies between 17° 10' 45" and 15° 50' 20" North Latitude; and 74° 44' 11" and 73° 43' 16" East Longitude. The District is bounded on the north by the river Warana, on the north-east by the river Krishna, on the east and south by the District of Belgaum, and on the west by the Sahyadri Mountains, which divide it from the Ratnagiri District on the south-west and the west. The undulating country, in which the District is situated, is about 2,000 feet above sea-level in proximity to the eastern slope of the Sahyadris which renders the greater part of the District free from famine. The six large rivers of the District, namely, the Krishna, the Panchaganga, the Warna, the Dudhaganga, the Vedganga and Hiranyakeshi, with their several tributaries flow through and drain the District, facilitating extensive irrigation of lands in several parts of the District. The hills are the main feature of the District. They include the main range of the Sahyadris running north to south for about 100 miles and form the western boundary of the District. They contain some of the finest and most abundant supplies of bauxite in the world situated at places, where an unlimited and very profitable exploitation with the aid of cheap hydro-electric power is a practical proposition.

The total area of the District is 2,756 square miles and the population according to 1951 census is 1,227,547. The language spoken is mostly Marathi, though Kannada is also spoken in a few parts. Kolhapur city, the headquarters, is a great trading centre for jaggersy.

COMMUNICATIONS

The Kolhapur-Miraj railway line runs from Kolhapur to Miraj and is connected with the Southern Railway line running between Poona and Bangalore. The District is well served by roads and the Poona-Bangalore, the Kolhapur-Ratnagiri, the Kolhapur-Miraj roads in the District are all used for passenger traffic as well as for transport of goods.

AGRICULTURE AND INDUSTRY

The chief agricultural products are jawar, rice, cotton, nagli, bajra, wheat, tobacco, sugarcane and ground-nut.

Besides one cotton mill, there are 12 ginning factories, two ginning and pressing mills, one ice factory, one sugar mill, 100 ginning and powdering mills, 19 ground-nut crushing mills, nine ground-nut, oil mills, three cinema-film-producing companies, three workshops for constructing ferry boats, two soap factories and eight workshops for repairing motor-engines and constructing motor car bodies. In one of these workshops, motor gas plants are manufactured.

OFFICIALS

Collector and Dist. Magistrate, Mr. A. U. Shaikh.
Personal Assistant and Addl. D.M., K. A. Walvekar.
District and Sessions Judge, V. G. Jamkhandi.

DIVISIONAL OFFICERS

Prant Officer, Southern Divn., R. G. Gupte.
Prant Officer, Northern Divn., B. N. Pradhan.
Civil Surgeon, Dr. M. D. Jadhav.

MAMLATDARS

Mamlatdar, Karvir Taluka, G. K. Salvi.
Mamlatdar, Shahuwadi Taluka, S. C. Khadlikar.
Mamlatdar, Radhanagari Taluka, V. M. Patil.
Mamlatdar, Bhudargad Taluka, P. A. Rane.
Mamlatdar, Hatkanangle Taluka, B. Y. Indulkar.
Mamlatdar, Gadhnigaj Taluka, V. M. Kori.
Mamlatdar, Kagal Taluka, R. G. Khanolkar.
Mamlatdar, Shirol Taluka, B. B. Patil.

OTHERS

Dist. Supdt. of Police, C. B. Noril.
Executive Engineer, Dr. A. S. Adke.
Edn. Inspector, Y. V. Javadekar

RAJARAM COLLEGE

Kolhapur.

Rajaram College is the oldest of the colleges affiliated at present to the Poona University. It became a first grade college in June 1920 and Honours and M.A. courses were instituted in 1922. Inter Science courses were introduced in 1927 and B.Sc. courses in 1930. The college has also been affiliated for several years for M.Sc. in Chemistry. The college has been taken over and is being conducted by the Education Department of Bombay State since the merger of Kolhapur State.

Principal and Professor of Mathematics, D. P. Patravali, B.A. (Cantab.), Bar-at-Law.

SHREE MAHARANI TARABAI TEACHERS' COLLEGE Kolhapur.

The College was opened by Kolhapur State Government in June 1934 and had been affiliated to the Bombay University. With the merger of Kolhapur State into Bombay State it has been taken over by the Bombay Government and has been affiliated to the Poona University for B.T. and M.Ed. examination courses. It is equipped with an up-to-date educational library, a Psycholaboratory and Visual Education Apparatus.

Principal—S. M. Thigale, M.A., LL.B., B.T., Dip. Ed. (Edin.).

SHAHAJI LAW COLLEGE Kolhapur.

The college was started in June 1933, and is under the management of a private society called the Council of Legal Education, Kolhapur. It is affiliated to the Poona University for the LL.B. Degree Course.

STAFF.

Principal—S. G. Dabholkar, B.A., LL.B., Advocate (O.S.).

Professors—S. V. Apte, M.A., LL.B., M. S. Apte, B.A., LL.B.; M. V. Dharmadhikari, K. B. Kelkar, LL.M.; M. D. Bhushathi, B.A., LL.B.; W. D. Adke, B.A., LL.B.

LOCAL SPIRITUAL ASSEMBLY OF THE BAHAI'S OF ICHALKARANJI

Dadhiwale Building, Nadiwesh, Ichalkaranji.

SHETKARI SAHAKARI SANGH, LTD. Shahupuri, Kolhapur.

Established on Co-operative basis in 1939. Purchasers and sellers of agricultural products such as jaggersy, groundnut, tobacco, etc. Suppliers of short term crop loans. Distributors of manure, mixtures and controlled iron & steel and cement. Dealers in sugar, grains, oil cake, fertilizers, fuel oils, lubricants, cement pipes and farm equipments. Government transport contractors. Processing activity. One Oil Mill at Vadgaon—20 branches and depots in the district. *Managing Director,* Satyasaheb Govindrao Mohite.

HOTELS AND REST HOUSES

P. W. D. Rest House.
Travellers' Bungalow.
Bavada Guest House.
Padma Guest House.
Deccan Hotel.
Shahu Lodge.

HOSPITALS, BENEVOLENT INSTITUTIONS

Pramila Raje Hospital.
Lady Wanless Zanana Hospital.
Wodehouse Orphanage.
Shende Park Lepers Asylum.
Prince Shivaji Free Maratha Boarding House.
Kolhapur Remand Home.
Savitribai Fule Maternity Home.

LITERARY ASSOCIATIONS AND CLUBS

Nagar Vachan Mandir.
Kolhapur Residency Club.
Shri Maharani Laxmi Gymkhana.
Rajaram Club.
Rotary Club.
Deval Club.
Kolhapur District Boy Scouts' Association.

CHURCHES AND TEMPLES

The Mahalaxmi Temple, Kolhapur.
Narsobavadi Shrine of Dattatraya.
All Saints' Church (Anglican).
Catholic Church (at Camp).
Wilder Memorial Church (A. P. Mission).
S. P. G. Mission Church.

NEWSPAPERS AND PERIODICALS

"THE PUDHARI"—(Marathi) Daily.
"SATYAVADI"—(Marathi) Daily.
"VIDYAVILAS"—(Marathi) Daily.
"GARJANA"—Weekly.
"LOKSEVAK"—Weekly.
"PRAJA"—Weekly.
"SAMAJ"—Daily.
"KARWIR"—Weekly.
"AWAJ"—Weekly.

COTTON MILL

SHRI SHAHU CHHATRAPATI MILLS, Spindles 15,988, Looms 312. Agents: James Finlay & Co., Ltd., Chartered Bank Building, Fort, Bombay. Mills at Shahupuri, Kolhapur, S.M.C.

TRADES & PROFESSIONS

Anil Banchandra Merwade, Stationers, Spirit, & General Merchants, Laxmi Building, Shivaji Chowk, Kolhapur.

Arwade, S., & Co., Old Palace Road, Kolhapur.

Ayurvedic Chemical Works, Proprietors: S. A. Jagtap & Sons, Kapiltirth, Kolhapur.

Babubhai M. Parmar, Shroff, Laximpuri, P. O. Kolhapur.

Bhagwat & Co., Glassware Merchants, Kolhapur.

Bharat Confectionery Works, Kolhapur, Shahupuri.

Bharat Steel Works, 1520, Laximpuri, Kolhapur. Manufacturers of Agricultural Implements, Safes, Cabinets and other Steel furniture.

Bhatia Stores, Sole Distributors: Hindustan Perfumery Works, (India), Kolhapur, Shahupuri.

Bhaurao (Allas) Narhar Balwant Shikhare, Shroff Gujri, Kolhapur.

Bhonsle, D. B. & Co., Dealers in Cloth and Stationery, Kolhapur, Shahupuri.

Bhumkar, D. Y., M.L.A., Income-tax Expert and Practitioners, Auditors' Firm, Laximpuri, Kolhapur.

Deccan Electro Works, Laximpuri, Kolhapur.

Ganesh Brahaspati Chamkale, Jaggery Merchant, Kolhapur, Shahupuri.

"GARJANA," The leading Marathi Weekly Newspaper and Press, Editor and Proprietor, Ganapatrao Padhye, Kolhapur.

Govindrao Abajirao Patil, Saitolkar Timber and Furniture Merchant, Kolhapur, Shahupuri.

Hind Agencies (Kolhapur) Ltd., Kolhapur, Importers of Machinery and Manufacturers' Representatives.

Imperial Stores, Proprietor: A. A. Bulbule, General Merchants, Dealers in Stationery, Cutlery, Glassware, Umbrellas, Electric Goods, Tailoring Materials, General Paper Merchants, etc., Shivaji Chowk, Kolhapur.

Jamsandekar Brothers, Gujri, Kolhapur.

JAYENDRA PUBLICITY, Kolhapur. For Specialised effective Publicity through all mediums.

Jirage & Sultane, Jewellers, Gujri, Kolhapur.

Keshaw Martand Chipade, Wholesale Dealer in Gold and Silver articles, Gujri, Kolhapur.

Laxman Balkrishna Korgaonkar (Estd. 1890), Proprietors: Korgaonkar Oil Mills, Kolhapur, Bhagratil Oil Mills, Gadhingraj; Korgaonkar Oil Mills, Gokak; Authorised Agents for (Kolhapur and S.M.C.): 1. Standard Vacuum Oil Co., Ltd., 2. Imperial Chemical Industries (India) Ltd., Kolhapur, Shahupuri. Branches: Sangli & Miraj.

Maharashtra Leather Works, Somar Peth, Kolhapur.

Maharashtra Trading Co., Shivaji Chowk, Kolhapur.

THE MALABAR BAKERY, Bakers and Confectioners, Kolhapur (Estd. 1938).

Mohiddinbhai Mallikbhai Maner, Iron and Hardware Merchants, Market, Kolhapur.

PAKCO ENGINEERING LTD., Iron Founders and Manufacturers, P.O. Box No. 14, Grams: "PAKCO," Laximpuri, Kolhapur (S. Rly.), Managing Agents: Powar, Adigre, Kothawale & Co. Products: 5/8 and 10/11 H.P. Horizontal, Slow Speed, Oil Engines, Ball and Bush Bearing Hullers—Nos. 4 and 8, Horizontal and Vertical Grinding Mills, Ball Bearing Centrifugal Pumps, Under Runner Disc Shellers, Split, Drum and C.I. Pulleys, Foot Valves (Screwed and Flanged), Hand Crushers, Handloom Gear Sets, Stop Valves and Others.

Pandit Anant Jamsandekar, Jaggery and General Merchants and Commission Agents, Kolhapur, Shahupuri.

Pioneer Furniture Hire and Sales Co., Pioneer Soaps Ltd., Manufacturers of Washing Soaps, Toilet and Disinfectants, Government and Military Contractors, Kolhapur.

Popular Pharmacy, D., Chemists and Druggists, Kolhapur City.

Ratnakar Industries Ltd., Manufacturers of Vegetable Ghee and Refined Oils. Managing Agents: B. B. Sultane, Kolhapur.

SHAHU CHITRA MANDIR (Cinema Theatre), Prop.: D. M. Bhosle Laximpuri, Kolhapur.

Shalini Stores, Cloth Merchants, Mahadwar, Kolhapur. Proprietor: S. N. Patil.

Shantappa Dada Herwade, Jaggery Merchant, Kolhapur, Shahupuri.

Shantappa Sakharan Jirage, Cloth Merchant, Gujri, Kolhapur.

Shirgaokar Industries Ltd., Kolhapur, Shahupuri.

Shirgaokar Oil Mills, Kolhapur Saban Karkhana. Proprietors:

Shirgaokar Brothers, Kolhapur, Shahupuri.

Shivlal & Brothers, Iron and Hardware Merchants, Market, Kolhapur.

Shri Laxmi Aushadhalaya, Old Palace Road, Kolhapur.

SONO FILM SYNDICATE LTD., Dealers in Cinema Machinery and Photo Materials, Managing Director: L. P. Walawalkar, Laximpuri, Kolhapur.

Swastic Stores, Distributors: Swastic Oil Mills Ltd., Sirdar Carbonic Gas Co., Ltd., etc. and General Merchants, Mahadwar Road, Kolhapur.

Tara Tiles, Kolhapur, Shahupuri.

Vijay Soap Factory, Soap Manufacturers and General Oil Merchants, Kolhapur, Shahupuri. Proprietor: Sevantlal Vithaldas & Co.

MEHSANA DISTRICT

Headquarters: Mehsana.

Talukas and Mahals: Patan, Chanasma, Sidhpur, Mehsana, Kheralu, Visnagar, Kalol, Vijapur, Kadi and Radhanpur (*Talukas*); Saml and Harij (*Mahals*).

The area of the District is 4,312 sq. miles and the population 1,471,662.

The Gujrat Tramways Limited (Headquarter: Unjha Tramways Building) has erected tramway service (narrow-gauge) between Unjha and Unava about three miles long. The service is shortly to be extended to Manund Road. The tram, which runs by petrol engine, has ten carriages and can carry 600 passengers at a time. A Community Project was started in the Vijapur and Kalol Talukas and good progress has been recorded.

OFFICIALS

Collector and District Magistrate, R. M. Desai.

District Agricultural Officer, J. V. Oza.

District Co-operative Officer, T. U. Parihar.

District Engineer, T. D. Desai.

District Medical Officer, R. Y. Krupte.

District Sales Tax Officers, S. L. Modi; I. U. Patel and L. D. Thavani.

District and Sessions Judge, T. P. Ghoghale.

District Superintendent of Police, S. R. Doshi.

Income-tax Officers, C. G. Parikh; B. B. Agasiwala; C. R. Bansal; G. M. Shaikh, A. M. David; M. P. Patel and S. Vachinath.

Inspector of Schools, N. D. Khasakia.

Community Project Officer, H. K. L. Capoor.

COLLEGES

M. N. College, Visnagar (*Arts and Science*).

PLACES OF PILGRIMAGE

Taranga Hill, Pansar, Sankeshwar, Kambol and Bholai (*For Jains*); Bahucharaji and Sidhpur (*For Hindus*); Deimal (*For S. Boras*); Unava (*For Muslims*).

INDUSTRIES

New Chhotalal Mills (Kalol), Mahendra Mills (Kalol), Navivan Mills (Kalol), Bharat Vijay Mills (Kalol), Bones Factory (Kalol), New Chhotalal Mills (Kadi), Shree Sayaji Jubilee Cotton and Jute Mills (Sidhpur), Sidhpur Mills (Sidhpur), Patara Industries on cloth at Patan, Brass and Copper industry at Visnagar, Iron and Brass Foundry at Mehsana.

NASIK DISTRICT

Headquarters: Nasik.

Talukas and Mahals: Kalwan, Dindori, Niphad, Yeola, Igatpuri, Nandgaon, Nasik, Sinnar, Baglan, Malegaon, Chandor, Peint, Surgana.

Nasik District is a historic place in Bombay State. Surgana State situated on the borders of Nasik District with an area of 134 sq. miles is now merged with Bombay State and is within the Nasik Collectorate. The District is bounded on the north by East and West Khandesh, on the east by Hyderabad, on the south by Ahmednagar, and on the west by Thana and Surat Districts. The area of the District is 6,035 sq. miles and the population according to the 1951 census 14,29,916. The language spoken is Marathi.

With the exception of a few villages in the west the whole District lies on a tableland at an elevation of 1,300 to 2,100 feet above sea-level.

Nasik Town lies on the Bombay-Nagpur branch of the Central Railway and is 117 miles from Bombay. Barring a few, all the Taluk centres are connected by the State Transport Bus Service. There is also regular bus service from Nasik to Ahmednagar and Poona.

The main food crops are rice, wheat and bajra. Nagli is used as food by the poor.

OFFICIALS

Collector and District Magistrate, M. R. Yardi, I.C.S.
District Agricultural Officer, G. K. Phadtare.
Dy. Registrar Co-op. Societies, A. A. Mahavi.
Ex. Engr. (Roads and Buildings), D. S. Borker.
Ex. Engr. (Gangapur Storage Dam.), G. G. Dhanak.
Ex. Engr. (Public Health), S. S. Sathie.
Conservator of Forests, Hari Singh.
Civil Surgeon, Dr. J. P. Parikh, M.S.
Dist. Sales Tax Officer, L. K. Shete.
District and Sessions Judge, V. A. Nalk, B.A. (Hons.), LL.B.
Asst. Dist. Judge and Addl. Sessions Judge, N. G. Shelat, B.A., LL.B.
District Superintendent of Police, A. Hakim, I.P.
Income Tax Officer (A Ward), V. J. Karnik.
Income Tax Officer (B Ward), N. A. Shah.
Income Tax Officer (C Ward), S. M. Edke.
Inspector of Schools, A. K. Godse.
Principal, Central Police Training School, J. D. Nagarwala, I.P.
Superintendent of Post Offices, B. G. Shah.
Post Master, V. H. Kelkar.
District Supply Officer, Y. B. Lohokare.
Rationing Officer, D. U. Joshi.
Divl. Controller, State Transport, Nasik (Dn.), V. S. Pathak.
Superintendent Govt. Central Distillery, Dr. R. S. J. Rau, B.Sc., B.Sc. (Tech.), Ph.D.

EDUCATIONAL INSTITUTIONS

HANSRAJ PRAOJI THACKERSEY COLLEGE, NASIK

(Conducted by the Gokhale Education Society, Bombay.)

(Affiliated to the Poona University).

This is a First Grade College teaching upto the M.A. degree in Arts and B.Sc. degree in Science. It has hostels for men and women students. The College is named after Sheth Hansraj Praoji Thackersey, trustees of whose estates gave a munificent donation of Rs. 1,65,000 to the college in his memory.

The College is situated in a very healthy place at a distance of two miles from Nasik, on the west.

Principal.—B. L. Patankar, M.A.

BHONSALE MILITARY SCHOOL, NASIK

Founder: Dharmaveer Dr. B. S. Moonje.

The Bhonsale Military School is the only non-official school of its type in India. The School aims at making young men physically strong, morally sound, mentally alert and develop adequately character, personality and broad-mindedness, essential for national greatness.

Residential in nature, recognised by the Education department and S.S.C. examination board, Bombay State. Prepares boys for S.S.C. examination. Horse riding and rifle shooting a special feature—conducts summer military training class for those who cannot join regular school.

BARNES SCHOOL

Deolali (Central Rly.).

This Church of England boarding and day school admits children of all communities though it is primarily maintained for European and Anglo-Indian boys and girls whose parents live in Bombay State or are employed on the Central Railway or Western

Railway. Such children are eligible for reduced fees provided they are Protestants. The school is situated 2,000 ft. above sea level and enjoys an excellent climate. There are separate departments for boys and girls over 10 years and a preparatory house for those under 10. The grounds are 250 acres in extent and the buildings (electric light, flush sanitation, etc.), are modern and excellent.

The school teaches up to the Cambridge School Leaving Certificate examination following the syllabus of the code for Anglo-Indian Schools of Bombay State. Great attention is paid to all games, including swimming, and Scouting is encouraged.

OTHER INSTITUTIONS

Government Training College for Women, Nasik.
Barnes High School, Deolali.
Boys' Town (formerly Parsi High School), Nasik.
Government Girls' High School, Nasik.
Government Anglo-Urdu High School, Nasik.
Maratha High School, Nasik.
New High School, Nasik.
Ramikhdas Parasharam Puri Vidyalyaya, Panchvati.
Pethe High School, Nasik.
Police Training School, Nasik.
Rungtha High School, Nasik.
Government Distillery, Nasik Road.
Central Jail, Nasik Road.
Security Printing Press, Nasik Road.
Convalescent Home (H. M. Philson), Nasik Road.
Pushpavati Rungtha Kanya Vidyalaya (attached to Rungtha High School), Nasik.
N. E. L. Girls' High School, Nasik (attached to New High School).
Purshotam High School, Nasik Road.
Deolali Cantonment High School, Deolali.
Yashwant Vajayam Mandir, Nasik.
Godavaribal Primary School (Panchvati).
Niranjan Durlabhji Khetain Bai-Mandir, Panchvati.

KING GEORGE HINDU SANATORIUM

This sanatorium founded in 1912 by the late Rao Bahadur Manaji Rajooji Kalewar, J.P. consisting of eight furnished blocks including utensils, one reading room and Rajoo Balooji Charitable Dispensary. For the upkeep of the sanatorium including electric lights only Rs. 25 per mensem are charged.

The climate is dry and healthy. Applicants should apply for the printed forms to the Managing Trustee, Prafulla Press, 380, Girgaum Road, Bombay 2.

BANKS

Imperial Bank of India.
Punjab National Bank Ltd.
Devkaran Nanjee Banking Co., Ltd.
Bank of Maharashtra Ltd.
Bombay State Co-operative Bank Ltd.
New Citizen Bank of India, Ltd.

CLUBS

Mitra Vihar (formerly King George V Club), Nasik.
Nasik Club (Old Golf Club Building), Nasik.
Nasik Gymkhana (formerly King Edward VII Club), Nasik.
United Services Gymkhana, Nasik Road.

HOTELS

15th August Gujrat Lodge, Nasik.
Badshahi Gujrat Lodge, Nasik.
Bombay Gujrat Lodge, Nasik.
Coronation Hotel, Deolali.
Edward Hotel, Deolali.
Grand Hotel, Deolali.
Hotel Greens, Nasik.
Hotel Liberty, Nasik.
Mazda Hotel, Nasik.
Oriental Restaurant, Nasik.
Meher Restaurant, Nasik.
Royal Hotel, Deolali.
Rugby Hotel, Deolali.

NEWSPAPERS & PERIODICALS

"GAVKARI."—Daily, Weekly, Marathi.
"KRISHI NAGARIK."—Monthly, Marathi.
"LOKASATTA."—Twice a Week, Marathi.
"AYURVED PATRIKA."—Fortnightly, Marathi.
"SAMATA."—Weekly, Marathi.
"SAHYADRI VIMAJAGAT."—Weekly, Marathi.

NORTH KANARA DISTRICT

Headquarters : Karwar.

Talukas and Mahals : Halyal, Sirsi, Kumta, Ankola, Karwar, Siddapur, Yellapur, Honavar, Mundgod, Supa, Bhatkal.

North Kanara is a District on the Konkan Coast between 15°55' and 16°31' N. and 74°0' and 75°10' E. It is bounded on the north by Goa and the Belgaum District; on the east by the Dharwar District and Mysore State, on the south by South Kanara and on the west by the Arabian Sea. The Sahyadri range of the Western Ghats varying in height from 2,500 to 3,000 feet runs through the District from the south to the north, dividing it into two tracts, the uplands or Balaghat and the lowlands or Payan Ghat. Area : 3,971 sq. miles

The climate varies from place to place; the western portion though moist is healthy. But the forest tracts especially the uplands are always malarial. The continual use of D D T has latterly retarded the fever to some extent. On the coast strip, the temperature falls to 69° in January and rises to 91° in May, while the uplands are comparatively cool throughout the year. Yellapur now rld completely of its malaria should quickly develop into a health resort.

The total population according to 1951 census is 517,780 showing an increase of 17.3 per cent over the 1941 census. The increase is ascribed to increase in birth-rate and increase of immigrants from Madras State, Goa and other neighbouring districts. Of the total population, 391,220 are rural and 124,560 are urban; 203,030 are rural males and 60,167 are urban males; 191,181 are rural females and 63,393 are urban females. There are 91,689 houses in the district and of them 70,154 are rural and 21,535 are urban. Of the 1,415 villages in the district, 107 are deserted. 159 villages have a population below 25 persons each. In all 1,235 towns and villages are inhabited. 1,025 villages have a population less than 500 each. There are four towns with a population between 10,000 and 20,000. 81,900 persons are cultivators of land wholly or mainly owned by them and their dependents. 181,239 persons are cultivators of land wholly or mainly owned by them and their dependents. 45,831 persons are cultivating labourers and their dependents. 31,716 persons depend for their livelihood on commerce. 124,561 people are illiterate, of which 89,327 are males and 35,234 are females.

Karwar, the headquarters of the District, possesses a fine natural harbour with great potentialities. The natural attractions of the country around, with its forests, beaches, hills, the variety of wild game, fishing attractions and the salubrious climate make Karwar a good health resort and a centre for tourists.

AGRICULTURE

Agriculture is the mainstay of the people. It supports 68 per cent of the population. Of the total area of 2,526,787 acres, 43,813 acres are fallow. These fallows can be divided under the following heads, viz poverty 5,912 acres, inadequate supply of water 5,461 acres, malarious climate 791 acres, silting of canals and rivers 298 acres, unremunerative nature of farming 11,242 acres and others 20,119 acres. Cultivable waste is 66,024 acres. Food crops are grown in 231,086 acres and non-food crops on 52,431 acres.

Paddy occupies 187,222 acres, ragi occupies 2,028 acres, black gram 441 acres and horse gram 68 acres.

Of the cash crops : Sugarcane occupies 3,388 acres; coconuts 1,513 acres. Of the fruits : mangoes are grown on 1,622 acres; banana on 3,635 acres; pine apple on 1,121 acres; sweet potatoes 654 acres; onions 367 acres. Of the non-food crops - betel-nuts cover an area of 3,087 acres; pepper 1,101 acres and betel-leaves 395 acres.

Rice which is most widely grown is responsible roughly for 75 per cent of the net cropped area. The average yield ranges from 5 to 40 maunds per maund of seed. The introduction of the Japanese method of cultivation has improved matters in many tracts and is responsible for larger yields. Another agricultural product the cultivation of which is fast developing in the loose sandy soil of Kanara is groundnut. An experiment made by the authorities of the training school at Karwar resulted in a yield of 600 lb. of dried groundnut costing Rs 200 for half an acre. This compares very favourably to the Dharwar yield which on an average is 800 to 1,000 lb. per acre.

There were 16 colonisation schemes launched by Government some years ago. Out of these only 3 are working at present. Two are in Mundgod taluka viz.: Indoor and Ramapur and one in Ankola taluka viz.: Hillur. In Indoor, 1,462 out of the ear-marked 1,500 acres are brought under cultivation. Similarly out of a target of 314 and 284 acres of Ramapur and Hillur schemes respectively 285 and 215 acres are brought under cultivation. There is one Sarvodaya Scheme working in the village of Hichkad in Ankola taluka.

IRRIGATION

Latterly the Government commenced to irrigate certain tracts, and plans were put up in this connection. In 1951-52, 87 of such works were in progress of which 24 were completed. The total mileage of Government canals is 71 and of canals of private ownership is 176 miles. The total number of wells used for irrigation are : 16,872, and for domestic use 300,092.

FORESTS

Roughly 80 per cent of the area of the district is forest. It approximates to 3,005 square miles. Out of this in 1950-51, 2,417 square miles are forest proper and the rest are pasture reserves. 215 square miles of forests are in charge of the Revenue Department. 1,220 square miles are under working plans. In 1950-51, 696,853 cft. of teak, 34,929 cft of blackwood and 716,058 cft. of jungle wood was brought to the various depots by Government and private agency. The growing of hill paddy in the plantations was a great success in Kanara.

FISHERIES

The total population of fishermen is about 26,000. The average annual yield is about 20,000 tons. There are about 70 rampants operating throughout the coast. Fresh fish and salted dry fish are exported to Bombay, Belgaum, Hubli, Mangalore, Bunkapur and various other places. There are 15 curing yards in the district, and the total quantity of fish brought to be cured in 1950-51 was 227,506 maunds.

COMMUNICATIONS

There are proposals to connect Karwar with Hubli or Alnavar. But the schemes are only in the exploratory stage. The W I P B. passes through Supa and the distance covered by it is about 32 miles.

Karwar-Bhatkal road is the national highway and is the Kanara portion of the Bombay-Trivandrum national highway. Of the State Roads, the P.W.D. maintains 592 miles, and the District Local Board 700 miles. Each Municipality maintains some roads within its own sphere. The average mileage per village is 9.5, and per thousand of population the average is 4 miles. The mileage per square mile for the whole area is 3.4. Latterly the Government has been constructing a cement road on the highway Kanara-Hubli-Karwar—a distance of 102 miles.

The Bombay State Road Transport Corporation plies practically throughout the district with the monopoly of passenger traffic. Of the 3 main passes, Arball, and Devimane are open throughout the year. Only Anshi Ghat is closed in the monsoon.

River navigation played a prominent part in the history of Kanara. At present vessels up to 10 tons can go up to a distance of 20 miles in Kali River.

The steamers of the Scindia Steam Navigation Company touch Karwar, Tadri, Kumta and Bhatkal during the fair season. There is no all weather port.

PORTS

The chief ports from north to south are Sadashivgad, Karwar, Ankola, Gangavli, Tadri, Kumta, Honnavar, Monk and Bhatkal. Sailing craft touch all these ports. The most important commodities of export are timber, fuel, charcoal, bamboos, manganese and sweet potatoes and onions. Fresh fish is transported from almost all of the ports by motor launches to Bombay. The principal imports are grains, sugar, pulses, kerosene oil, coconut oil, Mangalore lites, etc. The value of imports at Karwar is about Rs. 5 lakhs a year and of exports about 2 lakhs.

MINERALS

The only mineral that is successfully tackled at present is manganese ore. About 20,000 tons are exported every year to dollar areas.

INDUSTRIES

Among the important industries are the Government saw mills, and a plywood factory at Dandelli; a few rice and saw mills have sprung up throughout the district, but this is due to the policy of the rationing department of the Government substituting the mill for the pounding woman. These mills only mill government paddy.

FUTURE DEVELOPMENTS

On account of the vast forest wealth Kanara has a bright future for the development of cottage industries. Co-operative department is just now concentrating its attention on its development. Coir works, horn works, sandal-making, tanning, etc., have been taken up by the department. Bee-keeping is a favourite industry initiated by Government and in a forest tract like Kanara it has a bright future. Already there are 4,500 colonies in the district and the honey yield is about 30 to 35 thousand lb. a year.

Garden industries of cashew, mango, coconut, pine apple, etc., could successfully be established on a wide scale. If the vast *ganji* lands are utilised for coconut cultivation as is done in Kerala backwaters not only the deficit of coconuts could be made up, but surplus could be made available for export. Cashew is a wild plant in Kanara. It requires neither watering nor manuring. The vast area that is occupied by minor hills and forests if utilised for cashew cultivation would add considerably to the wealth of the district.

The total area covered with bamboos is 89,000 acres and lies mainly on the slopes of the Gangavli and Kali rivers. A paper pulp factory is quite a feasibility with this initial acreage.

An area of about 25,570 acres of forest is covered with very useful species of palm known as the tall palm. This provides annually about 1,500 mature palms yielding about 300 tons of edible sago flour giving means of subsistence to about 8,000 people. The chief produce is tall-chakki or pitch from which edible flour is prepared.

Baswarajadurga an island off Honnavar produces the best quality of Cavi or reddie which is used for painting the houses. The elephant grass that is found round about Kadra is capable of producing artificial silk

OFFICIALS

Collector and District Magistrate, S. B. Kulkarni, M.A., I.A.S.
 District Agricultural Officer, B. H. Hullatti, B.A.
 District Co-operative Officer, C. R. Hiremath, B.A., LL.B. (Asst. Registrar)
 Executive Engineer, R. M. Karandikar, B.E.
 District Forest Officers:—
 Northern Division Headquarters, Dharwar, S. R. Umberji, B.Sc., B.F.S.
 Eastern Division Headquarters Dharwar, R. D. Joshi, B.Sc., B.F.S.
 Western Division, Headquarters, Karwar, S. A. Hejmadi, B.Sc., B.F.S.
 District Health Officer, H. F. Daroga
 District Medical Officer, Civil Surgeon, I. K. Kari, M.B.B.S. (Class I).
 District and Sessions Judge, R. H. Mirajkar, B.A., LL.B.
 District Superintendent of Police, D. A. Laher, I.P.S.
 Inspector of Schools, R. R. Kupsad
 Superintendent of Fisheries, V. V. Kalyani, M.Sc.
 Assistant Collector of Central Excise, Head Quarters, Castle-Rock, George Koruthu
 District Co-operative Officer, Industries, M. Subba Rao.

HOTELS

Grand Hotel, Karwar.
 Modern Hindu Hotel, Karwar.
 Guest House, Karwar.
 Rodricks Hotel, Karwar.
 Seaview Hotel, Karwar.
 Bhatkal Islam Hotel, Karwar.
 Mumtaz Mahomedan Hotel, Yellapur.
 Hind Mata Hotel, Yellapur.
 Muslim Hotel, Sirsi.
 Vijay Restaurant, Sirsi.
 Guest House, Halyal.

REST HOUSES

District Bungalow No. 1, Sirsi (Partially furnished, provided with a sweeper only, 2 suites of rooms).
 District Bungalow No. 2, Sirsi (Partially furnished, provided with a sweeper only, 2 suites of rooms).
 District Bungalow, Supa (2 suites of rooms, partially furnished).
 District Bungalow, Yellapur (4 suites of rooms, provided with a sweeper only).
 District Bungalow, Mundgod (2 suites of rooms, provided with a sweeper only).
 District Bungalow, Belakeri (3 suites of rooms).
 District Bungalow, Klrwatti (3 suites of rooms).
 District Bungalow, Katgal (2 suites of rooms).
 District Bungalow, Sampkhand (2 suites of rooms).
 District Bungalow, Yekambi (2 suites of rooms).
 District Bungalow, Pala (2 suites of rooms).
 District Bungalow, Kumta (2 suites of rooms, provided with a sweeper only).
 District Bungalow, Gersappa (2 suites of rooms).
 District Bungalow, Gokarn (2 suites of rooms).
 District Bungalow, Siddapur (2 suites of rooms, provided with a sweeper only).
 District Bungalow, Honavar (2 suites of rooms).
 District Bungalow, Bhatkal (2 suites of rooms).
 District Bungalow, Murdeshwar (2 suites of rooms).
 District Bungalow, Karwar (fully furnished, provided with a sweeper and a messman).
 Travellers' Bungalow, Karwar (one suite of rooms, fully furnished, provided with a sweeper and a messman).
 There are Travellers' Bungalows at the following places:—Sulgeri; Kadra; Naiti; Yellapur (2); Wadehukli; Ganeshgudi; Klrwatti; Hiki; Gunjavati; Kyatansell; Katur; Chitgeri; Sirsi; Halyal; Dandell; Kulgi; Mandurli; Kavalwad; Bhagwati; Chinchikand (Gund).
 Inspection Bungalows at:—Hattikiri; Agsur; Yellapur; Halyal; Kumbharwada; Anshi; Madangeri; Sirsi; Hadwahi.
 Rest House at Tattihalli.
 Forest Department Bungalows:—Ramanguli; Hosakambi; Santgal; Allanki; Nissineer.

HOSPITALS

Civil Hospital, Karwar.
 Dispensaries at:—Ankola; Kumta; Honavar; Bhatkal; Siddapur; Halyal; Yellapur; Mundgod; Supa.
 Pandit Dispensary, Sirsi.
 Veterinary Dispensaries at:—Halyal; Sirsi; Kumta; Karwar.
 Koleroga Institute, Sirsi.
 D. D. T. Unit No. 1, Karwar (Malariology, H. F. Daroga).

MEDICAL PRACTITIONER CENTRES

The following are the Subsidised Medical Practitioner Centres:
 Agsur; Angadi; Gundbala; Manki; Hegdekatte; Nilkod; Samrani; Ninnur; Kallabbe; Hungund; Amdalli; Hulekal; Manjuguni; Sautgal, Murkwad; Arsinkatta; Halga; Hireanpadi; Hiregutti.

BENEVOLENT INSTITUTIONS

District Probation and After Care Association and Remand Home.
 Hon. Secretary, S. M. Kalkini, B.A., LL.B.
 Probation Officer, A. V. Mudhebehal, B.A.

ASSOCIATIONS AND CLUBS

Karwar Club.
 District Police Club, Karwar.
 Mitra Samaj, Karwar.
 Mahila Mandala, Karwar.
 Narayan Bhat Akadas Vyayam Mandir, Sirsi.
 Gurm Seva Samiti, Ankola.
 Shivaji Vyayam Mandir, Halyal.
 General Library, Karwar.
 Hind Vachanalaaya, Ankola.
 Pandit General Library, Sirsi.
 Karnatak Sangh, Karwar.
 Hanuman Vyayam Mandir, Bhatkal.
 Gandhi Vachanalaaya, Honavar.
 Christ Mitra Ashram, Ankola.
 Merchants' Association, Karwar.
 R. B. Giri Free Reading Library, Halyal.

COLLEGES

Kanara College, Kumta.

FACTORIES

M. & S. M. Railway Workshop, Castle-Rock.
 Govt. Saw Mill, Dandell.
 Shri Ambika Rice Mill, Madangiri.
 Shri Shanta Durga Mill, Klrwatti.
 Manki Industrial Works, Manki.
 Mrs. Jannakibai L. Savant Timber Saw Mill, Vinchodi.
 Indian Plywood Manufacturing Co., Ltd., Dandell.
 Shri Gajanan Handloom Factory, Ankola.
 Shri Kanakshi Handloom Factory, Ankola.
 Durga Handloom Factory, Averra.
 Ramakanth Pandurang Murdeshwar Handloom Factory, Bankikodla.
 Balaji Textiles (Handloom Factory), Honavar.
 Manjunath Hari Joshi Handloom Factory, Nandangadde.
 Shri Arvind Rice Mills, Banwasal.
 Shri Laxmi Narasimh Rice & Oil Mill, Bhatkal.
 Central Rice Mills, Gokarn.
 Shri Durga Rice Mill, Halyal.
 Shri Laxmi Rice Mill, Ankola.
 Shri Gajanan Rice & Cane Mill, Shirkul, Ankola.
 Laxmi Rice Mill, Sirsi.
 Shri Krishna Rice & Flour Mill, Siddapur.
 Bharat Rice Mill, Siddapur.
 Basweshwar Rice Mill, Siddapur.
 Deshpande Saw Mill, Mundgod.
 Shri Arya Durga Rice Mill, Yellapur.
 Katyayani Rice Mill, Shiroor, Ankola.
 Mill & Ice Company, Ankola.
 Krishna Rice Mill, Belakeri.
 Ice Factory, Chendye, Karwar.
 Mango Canning Factory, Ankola.

TRADES AND PROFESSIONS

Haldipur, V. R., B.A., Timber Merchant and Burma-Shell Agent, Karwar (N. Kanara).
 Kanara District Central Co-operative Bank Ltd., Sirsi, North Kanara.
 Dhakappa, S. L., & Son, Dealers in Medicines, Stationeries, Drugs, Chemicals, Hardware and Glassware, Optical Goods and Watches, Radios, Cameras, Sirsi, North Kanara.
 Dhakappa Sri Ram & Son, Dealers in Motor Accessories, Cycles and Clocks, Sirsi, North Kanara.
 Durga Cafe, Karwar (N. Kanara).

PANCH MAHALS DISTRICT

Headquarters : Godhra.

Talukas and Mahals : Godhra, Dohad, Kalol, Halol, Jhalod, Deogadh-Baria, Limkheda, Santrampur, Lunawada, Shehera, Jambughoda.

The Panch Mahals District lies between 22°15' and 23°11' North Latitude and 73°22' and 74°29' East Longitude. It is divided into three sub-divisions. The Godhra sub-division includes Godhra City and Godhra Taluka, with the headquarters of Prant Officer (Dist. Dy. Collector) at Godhra. Personal Assistant to the Collector is Ex-Officio Prant Officer of Godhra Sub-division. Eastern Sub-division includes Dohad, Jhalod, Deogadh-Baria and Limkheda talukas with the headquarters of the Prant Officer at Dohad (provisionally kept at Deogadh-Baria). The Western Sub-division includes Lunawada, Santrampur, Kalol and Halol Talukas, and Jambughoda Mahal with headquarters of the Prant Officer at Godhra.

The District expanded on June 10, 1948 with the merger into it of the former States of Deogadh-Baria, Lunawada, Santrampur, Jambughoda and Sanjeli. The area of the District after the merger is 3,500 sq. miles and the population according to 1951 census is 1,148,432. The total number of displaced persons from Pakistan enumerated in total population of Panch Mahals is 4,186 inclusive of 2,310 males and 1,876 females. The language spoken is Gujarati.

Agricultural produce includes cereals of all sorts, pulses, oil-seeds including ground-nuts, Til and Mahuwa seeds and to a small extent cotton and tobacco. Acreage under different crops is as follows : Maize 24,817 acres, paddy 281,427, bajri 57,533, bantli 17,259, kodra 42,985, ground-nuts 147,254, tobacco and cotton 23,000, vegetation 1,400. The total arable land in the District is 1,286,000. The average yield of cereals and ground-nuts per acre is 1,200 lb.

The District has a forest area (inclusive of that of the merged States) of 1,099.85 sq. miles which produces timber such as country teak-wood, Mahuwa and Sadad. Mhowra flowers and timru leaves for bidi manufacture and hay fodder are a principal produce of the forests. Other minor produce are bamboo, gum, lac, asotri-leaves, Khakhra-leaves, Kochia grass used for extracting scents, ghat-bor, Kannu-seed, Anlu, honey and wax. Worked on proper lines the forest areas are an asset to Bombay State as the forests are situated in the vicinity of railway stations. The Panch Mahals District exports large quantities of timber, bamboo, firewood, scuntlings, charcoal and hay to various Districts in Bombay State and Saurashtra.

Two forest divisions were formed, one called Panch Mahals Division with an area of 315.33 sq. miles including Godhra, Dohad, Jhalod, Kalol and Shehera Talukas with the headquarters of the Divisional Forest Officer at Godhra and the other being the Gujarat States Division with an area of about 784.52 sq. miles comprising the rest of the talukas and the merged States of South Gujarat with the exception of Banaskantha and Sabarkantha Districts of North Gujarat—the headquarters of the Divisional Forest Officer being at Deogadh-Baria. Both these forest divisions are within the jurisdiction of the Conservator of Forests, North-West Circle, Baroda.

The south-west portion of the District is a level tract of rich soil (except for the Pavagadh Hill) while the northern portion though it contains some fertile valleys is generally rugged, undulating and barren with but little cultivation. Large tracts are however being reclaimed through soil conservation schemes and bunding process. The current year's average rainfall in the district is 30 inches. The maximum temperature in 1953 was 114° and minimum around 60°.

The District contains the famous ruins of Champaner which was a stronghold of Rajput kings belonging to Raol and the Taru dynasty. The hill of Pavagadh is about 2,500 feet in height and can be developed into a hill-station or cheap summer resort through provision of power rope-ways. Pavagadh is considered by Hindus to be a place of special interest and holiness. The hill itself contains the famous ruins of the ancient possessions of the Rajput king Patal Raol. The Archaeological Department of the Government of India has preserved various ancient monuments on the hill itself and those at the foot of the hill. The plateau of Ratanmal in Deogadh-Baria Taluka is several square miles in area and is an ideal place as an emergency landing ground for light aircrafts. It also possesses rich herbs of medicinal value in the slopes of the plateau. Then there are the hot springs believed to have sulphur deposits, the medical properties of which are not yet fully explored, situated at Tuwa, a station about 7 miles from Godhra on the Godhra-Anand (broad-gauge) branch line of the Western Railway.

COMMUNICATIONS

The railways and buses are the main means of communication. There is the Western Rly. main line from Bombay to Meerut which runs through the Panch Mahals via Godhra. Then there is the Anand-Godhra Branch line (broad-gauge) and the Godhra-Lunawada section of the Western Railway (narrow-gauge), the narrow-gauge section of Champaner Road-Pani Mines running from Champaner Road Station of the broad-gauge main line terminating at Pani Mines via Halol and Shivrampur, and Piprod-Deogadh-Baria section of Western

Railway. The last three are narrow-gauge sections worked by the Western Rly. administration. Passenger bus services of the Bombay State Road Transport Corporation, Bombay, are operating between Godhra-Dohad, Godhra-Shivrampur-Bodell, Dohad-Jhalod, Dohad-Alirajpur (Madhya Bharat), Godhra-Shehera-Lunawada, Godhra-Pandu via Kalol and Sant Road-Santrampur. An out-agency for goods traffic by the Western Rly. is operated between Dohad-Jhalod on contract system. After the expansion of the District a very wide area without any means of communication has been added. This includes large rural tracts of Deogadh-Baria, Lunawada, Sant, Santrampur, Sanjeli, Kadana, and Jambughoda where primitive means of communication, such as bullock-carts, camels, horses, donkeys and country ferries are still in use, in the absence of modern roads.

Godhra City, Lunawada, Deogadh-Baria, Dohad and Santrampur have municipalities, Godhra being a borough and the others town municipalities. All other talukas have village panchayats numbering about 38. Godhra, Dohad, Deogadh-Baria, Lunawada and Santrampur have electric facilities. Godhra, Dohad, Lunawada and Vejalpur are on the trunk telephone exchange from where one can make trunk calls. Lunawada, Vejalpur and Derol have only public trunk call offices at the Post Office while Godhra and Dohad have Government telephone exchanges open to public subscribers. Deogadh-Baria, will shortly have a Trunk Call Office. Freelandgunj in the Dohad Taluka is the headquarters of the Works Superintendent, Divisional Electrical Engineer, District Medical Officer and other officials of the Western Railway. It contains the Locomotive Shops of the Western Rly. and has extensive quarters for railway employees with library, reading room, sports club and Maternity and Child Welfare Centres.

The District contains rich mineral deposits, such as manganese ore and galena ore. Big mines of manganese ore are worked at Shivrampur, Baman Kuwa and Pani Mines. A number of other spots in the District are also supposed to contain manganese and other ores, while galena is found in Bhamaria Talukdari Estate in Halol Taluka.

The dry bed of the Panam River near Sant Road Station on the Godhra-Katham line and that of the Meshri River at Godhra contain quality sand used for preparing glassware and generally for building construction. A stone quarry exists at Timba, a village in Godhra Taluka. Gravel used for reinforced concrete works comes from the quarry which is worked at Thuba Road Station on the Godhra-Anand Rly. line.

There is a glass factory at Sant Road Station, about 12 miles from Godhra.

POLITICAL BODIES AND TRADE UNIONS

Panch Mahals Dt. Congress Committee, Godhra, with Taluka Committees in all the talukas; Socialist Party, Godhra; Ramrajya Parishad, Godhra; Western Railwaymen's Union (Bombay), Dohad and Godhra; Shri Sri Shakti Mandal, Godhra; Shri Bhagini Samaj, Kalol.

OFFICIALS

Collector and District Magistrate, Panch Mahals, V. S. Mahajanl B.A. (Hons.).
District Supply Officer, G. B. Nahar, B.A.
Rationing Officer, Godhra, J. J. Vaidhnava, B.A., B.Sc., LL.B.
Rationing Officer, Dohad, C. J. Desai, LL.B.
District and Sessions Judge, Panch Mahals, V. R. Paralkar, B.A., LL.B.
District Police Superintendent, Panch Mahals, Godhra, N. H. Sethna, I.P.S.
Civil Surgeon, Panch Mahals, Godhra, Dr. L. D. Thatto, M.B.B.S.
Dy. Educational Inspector, Panch Mahals, Godhra, R. P. Pandiya, B.A. (Hons.), B.Sc. (Hons.), T.D. (Lond.).
Divisional Forest Officer, Panch Mahals, Godhra, B. N. Deo, B.Sc., B.F.S.
Executive Engineer, Godhra, M. M. Patel, B.E., A.M.I.E. (Ind.), B.S.E. (I).
District Health Officer, Dr. T. S. Mahal, B.Sc., M.B.B.S., D.P.H.
Income-Tax Officer, (Ward A), P. P. Parikh, B.Com.
Special and General Income-Tax Officer, Godhra, Omkar Nath.
Sales Tax Officer, R. V. Joshi.
Asst. Registrar, Co-operative Societies, Godhra, D. A. Desai, B.A., G.D.C.A.
District Inspector of Land Records, M. P. Suthar.
Treasury Officer, P. U. Patel, B.A.
Supt. of Central Excise, Godhra Circle, P. L. Karnal, B.A., LL.B.
District Agricultural Officer, B. D. Patel, B.Sc. (Agri.).
District Publicity Officer, Panch Mahals, Godhra, D. S. Josphura.

CLUBS

Agency Gymkhana, Godhra.
Rotary Club of Godhra, Godhra.
Rotary Club of Dohad, Dohad.
Clayton Club, Godhra.
Hindu Gymkhana, Godhra.
Railway Institute, Godhra.
Railway Senior Institute, Freelandgunj, Dohad.
Railway Junior Institute, Freelandgunj, Dohad.

BANKS

Imperial Bank of India, Godhra and Dohad.
 Bombay Provincial Co-operative Bank Ltd., Godhra.
 Mercantile Co-operative Bank Ltd., Godhra.
 Devkarani Nanjee Banking Corporation Ltd., Godhra and Lunawada.
 Godhra City Co-operative Bank Ltd., Godhra.
 Dohad Urban Co-operative Bank Ltd., Dohad.
 Kalol Urban Co-operative Bank Ltd., Kalol.
 Eastern Panch Mahals Co-operative Banking Union, Dohad.

ASSOCIATIONS

Panch Mahals District Bar Association, Godhra.
 Dohad Bar Association, Dohad.
 Child Welfare and Maternity Clinic, Freelandgunj, Dohad.
 Western Rly. Co-operative Stores, Freelandgunj, Dohad.
 Shree Godhra Chorashi Brahman Panch, Sheherabhadgal, Godhra.
 Shree Godhra Laxminarayana Temple Trust, Sheherabhadgal, Godhra.
 Godhra Municipal Family Planning Centre, Godhra.
 Godhra Vyayam Pracharak Mandal, Godhra.
 Panch Mahals Chamber of Commerce, Godhra.
 Panch Mahals Working Journalists' Association, Godhra.
 Rail & Road Passengers' Association, Sheherabhadgal, Godhra.

DOHAD ANAJ MAHAJAN SARVAJANIK EDUCATION SOCIETY, DOHAD.

Nature of Body : Social.
Office Bearers : Oshhavai G. Sheth (*President*); Natverlal G. Parikh (*Secretary*).

SHRI GODHRA CHORASHI BRAHMAN PANCH
Sheherabhadgal, Godhra.

Objects :—To promote social and religious education among Brahmans and to render aid to destitute, helpless Brahmans.
Hon. Secretary : S. M. Shukla. (*Telephone :* 63).

METHODIST CHURCH

District Superintendent, Rev. Jacob D. Merchant.
Pastor, Rev. Thomas K. Christian.
Girls' Hostel Superintendent, Miss W. Stanley.
Lady Superintendent, College, Smt. V. J. Solanki.
Boys' School Hostel Manager, Rev. David B. Bauman.

LIBRARIES

Stuart District Library and Free Reading Room, Godhra.
 Sarvajani Library, Godhra.
 Railway Institute Library, Godhra.

LEGAL PRACTITIONERS

M. H. Mehta, B.A., LL.B. (Advocate, A.S.), President, Panch Mahals District Bar Association.
 B. T. Patel, B.A., LL.B., Advocate, Shantinivas Society, Godhra.
 N. K. Konkar, B.A., Pleader, Savliwada, Godhra.
 G. D. Pathak, B.A., LL.B., Sheherabhadgal, Godhra.
 C. M. Trivedi, B.A., LL.B., Pleader, Soniwada, Godhra.
 N. G. Giniwalla, B.A., LL.B., Bohr-wad, Godhra.
 C. M. Parikh, Pleader, Mission Road, Godhra.
 J. C. Trivedi, B.A., LL.B., Pleader, Bethak Falia, Godhra.
 C. S. Patel, B.A., LL.B., Sheherabhadgal, Godhra.
 G. M. Kamodia, Main Bazar, Godhra.
 G. R. Parikh, B.A., LL.B., Asstt. Govt. Pleader, Godhra.
 V. C. Shah, B.A., LL.B., Dist. Govt. Pleader, Godhra.
 M. D. Parikh, Pleader, Desaiwada, Dohad.
 T. H. Bardiwala, Pleader, Station Road, Dohad.
 Rajmal D. Jain, Pleader, Gandhi Road, Dohad.
 F. M. Shaikh, Pleader, Gandhi Road, Dohad.
 C. P. Desai, Pleader, Main Bazar, Kalol.
 S. C. Parikh, B.A., LL.B., Pleader, Halol.

MEDICAL PRACTITIONERS

Dr. G. V. Dalal, L.M. & S., Godhra.
 Dr. Taherali A. Bohra, M.B.B.S., Bohr-wad, Godhra.
 Dr. Mrs. Kusum Varia, L.C.P. & S. (Bombay), Godhra.
 Rao Bahadur Dr. A. M. Barot, M.B.B.S., Dohad.
 Dr. (Miss) C. M. Susair, L.R.C.P. (Lond.), M.R.C.P., Godhra.
 Dr. A. M. Pathak, M.B., B.S., Godhra.
 Dr. S. M. Kamodia, M.B.B.S., Makan Kuwa, Godhra.
 Dr. A. R. Trivedi, M.B., B.S., Godhra.
 Dr. V. K. Phatak, M.B.B.S., Dohad.

DAK BUNGALOWS

Government Dak Bungalows at Godhra, Dohad, Kalol, Halol, Deogadh-Baria, Lunawada, Jambughoda.

NEWSPAPERS

"DOHAD GAZETTE."—Fortnightly—Dohad.

TRADES AND PROFESSIONS

Abdulla Haji Bhura Dadi & Co., Dadi Bldgs., Station Road, Godhra.
 Atam Parkash Santilal, Manufacturers of Washing and Toilet Soaps and Hair Oils, Station Road, Derol (Dist. Panch Mahals).
 Babubhai Ochhavai Shah & Co., Station Road, Godhra (Dist. Panch Mahals). General Merchants.
 Gokaldas Ranchhodhas Shah, P.W.D. Contractor, Civil Lines, Godhra. (Also at Vejalpur and Dohad.)
 Gokaldas Ranchhodhas Shah, Burmah-Shell Dealer, P.O. Vejalpur, via Kharsalia (Western Rly.), Taluk Kalol, Dist. Panch Mahals.
 Haji Hasanali Abdullali Lokhandwala & Sons, Hardware Merchants, Main Bazar, Godhra.
 Jai Hind Iron & Brass Works, Kalol, via Derol, Dist. Panch Mahals. Manufacturers of Safes, Cupboards, etc.
 Jai Hind Rice, Pulse & Oil Mill, Station Road, Godhra (Dist. Panch Mahals).
 Kalyan Industries, Ltd., Pulse, Rice and Oil Mill. Tel. Address: "Kalyan", Jhalod (Dist. Panch Mahals).
MITHALAL R. DESAI, General Merchant, Station Road, Dohad. Branches at Alirajpore 4, Moghnager (Madhya Bharat).
 Modi Ratanlal Punjalal, Machinery Merchant, Modi Falia, Godhra (Dist. Panch Mahals).

Nalinee Studios, Photographers and Dealers in Gevaert, Agfa and Ilford-Selo Photographic Goods, Karadiwada, Godhra.

O. M. Seth, Photographic Material Dealer, Godhra

Panch Mahals Auto Parts Co., Authorised Sub-dealers of Cars, Spares etc., P.O. Vejalpur (via Kharsalia) (Western Rly.), Dist. Panch Mahals.

Panch Mahals Goods Transport Co., Civil Lines Road, Godhra. Branches at: Vejalpur & Dohad.

Panch Mahals Transport Services, Godhra.

Prakash Printing Press, Godhra.

Salebhai Haji Hasanali Lokhandwala, First Class Suppliers of P.W.D. Stores, Forest Contractors, Godhra (Dist. Panch Mahals).

Shree Krishna Printing Press, Godhra.

Shri Lunawada Industries & Electricity Company, Rice, Pulse and Oil Millers, Suppliers of Electric Energy, Lunawada (Dist. Panch Mahals).

S. M. Shukla, Publishers' Agent, Manalaxmi House, Sheherabhadgal, Godhra. Phone No. 63.

Vallavdas Damodardas Desai & Co., Cloth Merchants & Commission Agents. Tel. Address: "Himat", Jhalod (Dist. Panch Mahals).

POONA DISTRICT

Headquarters: Poona.

Talukas or Mahals: Ambegaon, Baramati (Bhimtadi), Dhond, Haveli, Indapur, Junnar, Khed, Mawal, Mulshi, Poona City, Purandhar, Sirur, Bhore, Velhe.

Poona District lies between North Latitude 17° 54' and 19° 23' and East Longitude 73° 24' and 75° 13'. It is bounded on the north by the Districts of Thana and Ahmednagar, on the South by Satara North, Sholapur and the former Phaltan State, on the east by the Districts of Ahmednagar and Sholapur, and on the west by the Sahyadri Hills. In March 1948 a large part of the Bhore State with a population of about 120,000 was added to the Poona District consequent upon the merger of that State with Bombay State. The premerger area of the District was 5,369 sq. miles and the population 1,359,408. The population according to 1951 census is 1,950,976, and the area 6,025 sq. miles. The language spoken is Marathi.

The city proper extends along the Mutha river for about 1½ miles inland; its length is about 2 miles from east to west and its breadth about 1½ miles, the total area being about 2½ square miles.

Towards the west the country is undulating and intersected by numerous spurs of the Western Ghats, which break off in a south-easterly direction, becoming lower as they pass eastwards, and in the end sinking to the general level of the plain. Many streams rise in the Western Ghats and flow eastwards until they join the Bhima river, which passes through the District from north-west to south-east. The main tributaries are Vel, Ghod, Bhama, Indrayani, Mula and Nira. The rainfall varies considerably in different parts of the District. In the western parts it is heavy and regular, in the central belt moderate, and in the east very irregular. The main crops are paddy and jawar. But the District is a deficit area in the matter of food grain. One of the products of which the District has an exportable surplus is jaggery produced from sugarcane.

The District is well served by road and railway. The Central Railway traverses the District from west to east, and this section is joined at Dhond by the north to south cross connection from Mahmud. The Southern Railway runs from Poona southwards for a distance of about 50 miles in the District. The District has also communication with Nasik, Ahmednagar, Sholapur, Belgaum, Satara, and Kolaba Districts by road. The Poona-Agra Road is also one of the arterial roads of the country as a whole.

Until a few years ago the headquarters of the Bombay Government during the monsoon, the city of Poona lies at the confluence of two small rivers, the Mutha and the Mula, on the Western margin of the Deccan plateau at a height of about 1,800 ft. above sea-level. Only 30 miles separate the city from the main range of the Western Ghats and 110 miles from the State capital, Bombay. The annual exodus of Government to Poona, however, has now been stopped, but the monsoon meetings of the Houses of Legislature continue to be held there.

The city is surrounded by uplands and hills. The climate of Poona is dry during most of the year and very different from that obtaining in the coastal towns of Bombay State. On account of its elevation and dryness, Poona is cool during nights even in summer. The city is at its best during the monsoon—June to September. Apart from the monsoon sessions of the legislature, the city is the venue of horse racing organised by the Royal Western India Turf Club.

The importance of Poona from the military point of view is growing. It is the headquarters of the Southern Command and also of the Poona Sub-Area. The Poona and Kirkee Cantonments have many military establishments, some of an all-India character, including the Bombay Engineering Centre at Kirkee. A wing of the Indian Air Force is also posted to Poona. Some of the other military establishments around Poona are: the Ordnance Depot and the Arsenal at Kirkee and the Vehicles Depot at Dehu Road. The Indian Navy Mechanical Training establishment, I.N.S. "Shivaji", is located at Lonavla, 40 miles from Poona.

Poona Municipal Corporation: A Corporation for the city of Poona was created on February 15, 1950. The Bombay Government appointed in July 1947 a committee since known as the Bhat Committee to examine and report on measures required to ensure the efficient municipal government of the Greater Poona region. The Bhat Committee which reported in November 1947 strongly recommended the amalgamation of the areas included in the limits of Poona city and the suburban municipalities, the two Cantonment Boards and certain other adjoining areas for purposes of municipal government. The Committee also recommended that the municipal government of this area should be entrusted to "an autonomous Municipal Corporation on the lines of the Bombay Municipal Corporation." The Corporation was inaugurated under the Bombay Provincial Municipal Corporation Act, 1949.

The municipal budget proposals for 1954-55 show an estimated income of Rs. 1,11,72,000, including additional revenue from new or enhanced taxation, and expenditure of Rs. 1,18,57,000, leaving a

deficit of Rs. 6,85,000. The Municipal Commissioner has therefore proposed the levy of a profession tax and enhancement of the rates of general tax, water tax and conservancy tax.

The Municipal Commissioner has approached the Central Government, through the Bombay Government, for an allotment of Rs. one crore out of the bulk allotment of Rs. 10 crores set aside by the Planning Commission for municipal water supply schemes. The project proposed to be financed from this amount consists of tapping the below-sill water from Khadakvasla, bringing it by underground pipes to Parnavi Hill, filtering it and supplying it to the citizens.

A draft outline of a five-year development programme for the Poona Corporation area has been prepared by the Municipal Commissioner. This is expected to cost Rs. 1,17,65,000.

The more important of the institutions of All-India character located in Poona are given below:

Meteorological Office: The technical headquarters of the India Meteorological Department, the Meteorological Office in Poona, is located on the Ganeshkhind Road at Shivajinagar, in a magnificent building with a conspicuous clock tower.

The Poona Weather Office is equipped with a workshop and laboratory and a training school for the initial training of entrants into service in all grades, from observers to forecasting officers.

National Defence Academy, Khadakvasla: Poona has been chosen as the venue of the National Defence Academy, the foundation stone of which was laid by the Prime Minister, Mr. Jawaharlal Nehru, on October 6, 1949. The Academy stands on a site of unrivalled scenic beauty in the lovely Mutha valley at Khadakvasla, 11 miles from Poona. The Academy estate which has been gifted by the Bombay Government comprises an area approximately 6,200 acres on the left bank of the Mutha river, the 200-year old administrative seat of Peshwa rule. The Academy will be the only one of its kind anywhere in which cadets will be educated and trained together for the Army, Navy and Air Force. Education will be spread over three years and will cover a comprehensive course in history, modern languages, engineering and various scientific subjects as well as purely military subjects. Provision is being made for the admission of 500 cadets every year. When the Academy is in full swing it will have a maximum of 1,500 cadets. The first batch of cadets will commence their training at the Academy from 1955.

School of Military Engineering, Kirkee: Intended to meet the training requirements of the Indian Engineers, the School of Military Engineering at Kirkee, near Poona, is the only institution of its kind in the country. It imparts basic and advanced technical training to engineer officers of the Indian Army. The cost of the building project and lands for the school is Rs. 3 crores. The first two phases of the project, namely the construction of Field Engineering and the Electrical and Mechanical Engineering Wings are now complete and the third stage which includes construction of the wing for Civil Engineering and residential accommodation is expected to be completed in 1956.

Armed Forces Medical College: Established in 1948, the Armed Forces Medical College in Poona provides courses for officers and other ranks of the Medical Services of the Army, Navy and Air Force. The courses for officers are designed to keep army doctors and surgeons abreast of current advances in medicine, to teach them organisation and administration, to fit them eventually for command of hospitals and field medical units and equivalent appointments in the Navy and Air Force and to help in selection of officers for specialisation in professional subjects.

Central Water and Power Research Station: The oldest irrigation research institution in India, the Central Water and Power Research Station was established in 1920 and is located at Khadakvasla where facilities exist for hydraulic research. The station is well-equipped to undertake model studies of rivers, canals and canal works and gives expert technical advice to the Central and State Governments as well as ports and railways. The station is noted chiefly for its large scale model experiments. Consequent on Government's policy of launching upon large multi-purpose river-valley projects the Poona station has lately been enlarged.

National Chemical Laboratory: The first of a chain of eleven laboratories to be sponsored by the Council of Scientific and Industrial Research in the country, the National Chemical Laboratory at Pashan, six miles from Poona, is intended to be a link between universities, scientific bodies and industrial associations in India. It was declared open by the Prime Minister, Mr. Jawaharlal Nehru on January 3, 1950. One of its main functions is to serve the scientific and industrial development of the country and to discover ways and means for the application of scientific knowledge to practical problems of human welfare. Another object is to undertake fundamental research. Prof. G. I. Finch, F.R.S., an eminent scientist, is the Director of the Laboratory.

ADMINISTRATIVE PERSONNEL**REVENUE DEPARTMENT**

Collector and District Magistrate, B. H. Paymaster, I.C.S.
 Additional P. A. to Collector, M. G. Deshmukh.
 Additional District Magistrate and P. A. to Collector, M. R. Caldeira.
 Dy. Collector, Haveli Prant, A. M. A. Khan, M.A.
 Dy. Collector, Junnar Prant, Poona, A. M. Patil, B.A.
 Asstt. Collector, Baramati Prant, Poona, S. M. Ghosh, I.A.S.
 City Mamlatdar, R. S. Deshpande.
 Head Clerk to Collector, Poona, R. V. Deshpande, B.A.
 Chitnis to Collector, R. H. Ghodke.

JUDICIAL DEPARTMENT

District & Sessions Judge, Poona, Pramod C. Bhat, LL.B.
 Assistant Judge and Additional Sessions Judge, Poona, M. M. Hakim, LL.B.
 Extra Asstt. Judge and Second Addl. Sessions Judge, Poona, M. K. Trilokekar, LL.B.
 Second Extra Asstt. Judge and Third Addl. Sessions Judge, Poona, D. G. Ghatge, LL.B.
 Third Extra Asstt. Judge and Asstt. Sessions Judge, Poona, N. D. Kamat, LL.B.
 Judge, Small Cause Court, Poona, B. K. Khade, LL.B.
 Civil Judge, Senior Division, Poona, J. T. Jabade, LL.B.
 Joint Civil Judge, S. D. Poona, M. V. Purandare, LL.B.
 Second Jt. Civil Judge, S. D. Poona, M. H. Shalkh, LL.B.
 Third Jt. Civil Judge, S. D. Poona, P. H. Parikh, LL.B.
 Jt. Civil Judge, J. D. Poona, V. R. Phadke, LL.B.
 Third Jt. Civil Judge, J. D. Poona, S. G. Borde, LL.B.
 Fourth Jt. Civil Judge, J. D. Poona, K. N. Hingne, LL.B.
 Fifth Jt. Civil Judge, J. D. Poona, C. B. Shah, LL.B.
 Civil Judge-cum-Magistrate, F. C. Ghodnadi, S. D. Phansalkar, LL.B.
 Civil Judge-cum-Magistrate, F. C. Saswad, V. S. Ozarde, LL.B.
 Civil Judge, J. D. Junnar, C. I. Bonde, LL.B.
 Jt. Civil Judge, J. D. Junnar, M. K. Chatro, LL.B.
 Civil Judge-cum-Magistrate, F. C. Vadgaon, D. M. Sapatnekar, LL.B.
 Civil Judge, J. D. Khed, K. H. Limaye, LL.B.
 Jt. Civil Judge-cum-Magistrate, Khed, for Ghodegaon, V. M. Dhekne, LL.B.
 Civil Judge, J. D. Baramati, N. L. Ranade, LL.B.
 Civil Judge-cum-Magistrate, F. C. Bhor, M. S. Ajmere, LL.B.
 Registrar, Small Causes Court, Poona, G. R. Deshpande.

PRISONS

Inspector-General of Prisons, M. K. Deshpande, I.A.S.
 Personal Assistant to the Inspector-General of Prisons, V. R. Nicholas.
 Superintendent of Central Prison, Yerawda, T. M. La Touche.

INCOME-TAX DEPT., POONA RANGE

Inspecting Assistant Commissioner of Income-tax, Poona Range, Poona, M. S. Nadkarni.
 Appellate Assistant Commissioner of Income-tax, Poona Range, Poona, M. B. Palekar.
 Appellate Assistant Commissioner of Income-tax, Belgaum Range, Belgaum, K. D. Dholakia.
 Appellate Assistant Commissioner of Income-tax, Kolhapur Range, Kolhapur, D. P. Wadhvani.
 Income-tax Officers, Poona, V. R. Bapat (Central Circle and Ward A); M. P. Patel (Ward B); M. V. Mankar (Ward C); S. G. Rawal (Ward D); A. I. Tahvildar (Ward E); K. N. A. Ayyar (Ward F); S. S. Kapur (Ward G).
 Income-tax Officer, Salaries & Refunds, Poona, N. A. Khan.
 Income-tax Officer, Special Survey Circle, Bombay South, Poona, M. N. Deshmukh.
 G. H. Q., Income-tax Officer, Poona, N. M. Khanna.
 Additional G.H.Q., Income-tax Officer, Poona, V. K. Pillal.
 Income-tax Officer, Kolhapur, V. D. Deshpande.
 1st Additional Income-tax Officer, Kolhapur, G. J. Redkar.
 2nd Addl. Income-tax Officer, Kolhapur, C. N. Athavale.
 Income-tax Officers, Salara South, Sangli, S. A. Kulkarni (Ward A); B. S. Devasthali (Ward B); V. G. Shinde (Ward C).
 Income-tax Officers, Belgaum, M. R. Bastikar (Ward A); M. P. Hosmani (Ward B); R. S. Iyengar (Ward C).
 Income-tax Officer, Ratnagiri, G. N. Gadgil.
 Income-tax Officer, Salara North Salara, M. G. Mahalye.
 Income-tax Officers, Ahmednagar, A. C. Jain (Ward A); L. A. Albuquerque (Ward B).
 Income-tax Officers, Bijapur, V. R. Hiremath (Ward A); V. B. Deshpande (Ward B); A. V. Kasbekar (Ward C); K. V. Shettigara (Ward D).
 Income-tax Officers, Dharwar, G. S. Sampath (Ward A); A. K. Ramchandra Prabhu (Ward B); C. G. Nawli (Ward C); M. H. Mirdehe (Ward D).

PUBLIC WORKS DEPARTMENT

Superintending Engineer, Central Circle, Poona, K. V. Joglekar, B.E., B.S.E. (I).
 Executive Engineer, Poona Division, A. B. Haval, B.E.
 Executive Engineer, Building Projects Division, Poona, L. S. Ahuja, B.Sc. (Hon.) (Edin.), A.M.I. Struct. E. (Lond.).

Superintending Engineer, Deccan Irrigation Circle, Poona, A. G. Maydeo, B.E., A.M.I.E. (Ind.), B.S.E. (I).
 Executive Engineer, Poona Irrigation Division, S. V. Desai, B.E., B.S.E. (I).
 Executive Engineer, Nira Right Bank Canals Division, Phaltan, P. K. K. Murti, B.S.E. (I).
 Executive Engineer, Irrigation Development Division, Poona, B. L. Phansalkar, B.E., A.M.I.E. (Ind.).
 Public Health Engineer to Government, Poona, S. E. Wadia, B.E., A.M.I.E., M.R. San. I (Lond.).
 Executive Engineer, Central Public Health Works Division, Poona, M. J. Mohita, B.E., A.M.I.E. (Ind.).
 Deputy Engineer in charge of Government Central Stores, Work Shops and Training Centre, Dapuri, Poona 3, P. C. Parikh, B.Sc., B.E., (Mech. and Elec.).
 Executive Engineer, Designs Division, Poona, S. V. Nattu, B.E.

SOIL CONSERVATION SECTION

Soil Conservation Officer, B. S. Poona, D. A. Gadkary, B.E., A.M.I.C.E., (London) M.I.E. (India).
 Technical Assistant to the Soil Conservation Officer, B. S. Poona, R. V. Satpute, D.C.E.

Northern Division

Divisional Soil Conservation Officer, N. D., Baroda, G. V. Patel, B.E.
 Sub-Divisional Soil Conservation Officer, Mehsana, D. G. Kelkar, B.A.G., M.Sc. (Wisconsin).
 Sub-Divisional Soil Conservation Officer, Dhulia, D. K. Dhekne, D.C.E.
 Sub-Divisional Soil Conservation Officer, Baroda, S. P. Patel, B.A.G.

Central Division

Divisional Soil Conservation Officer, C. D. Poona, M. K. Shirole, B.A.G.
 Sub-Divisional Soil Conservation Officer, Poona, S. K. Biradar, B.Sc. (Agri.).
 Sub-Divisional Soil Conservation Officer, Pandharpur, E. L. Zopay, B.Sc. (Agri.).
 Sub-Divisional Soil Conservation Officer, Sholapur, B. K. Shinde, B.A.G.
 Sub-Divisional Soil Conservation Officer, Ahmednagar, L. G. Pandit B.Sc. (Agri.).

Southern Division

Divisional Soil Conservation Officer, S. D., Bijapur, M. S. V. Rama Rao, B.E., A.M.I.E. (India).
 Sub-Divisional Soil Conservation Officer, Miraj, K. C. Kalkoti, B.Sc. (Agri.).
 Sub-Divisional Soil Conservation Officer, Bagalkot, M. G. Shettar, B.Sc., B.E.
 Sub-Divisional Soil Conservation Officer, Bijapur, T. G. Yavagal, B.Sc. (Agri.).
 Sub-Divisional Soil Conservation Officer, Belgaum, V. R. Kavalur, B.Sc. (Agri.).

SOIL PHYSICIST'S SECTION

Soil Physicist to Govt., B. S. Poona, Dr. J. K. Basu, M.Sc. (Cal.), Ph.D. (London), F.N.I.
 Soil Chemistry Section: Soil Chemist, V. D. Tagare, B.Sc., B.A.G.
 (Physicist's Section, Sholapur), N. B. Purnik, M.Sc. (Erosion); Dr. N. D. Rege, M.Sc., Ph.D. (Fertility); R. N. B. Iyengar, B.Sc., B.Sc. Ag. (Hons.).
 Agronomy Section: Agronomist, Soil Physicist's Section, Sholapur, L. Sreenivas, B.Sc. (Agri.), M. S. (Texas).
 Agronomists, Agricultural Research Stations, Y. S. Rane, B. Ag. (Sholapur, Dist. Sholapur); G. S. Agashe, B. Ag. (Jeur, Dist. Sholapur); M. B. Habbu, B. Ag. (Chas, Dist. Ahmednagar); G. K. Badigar, B.Sc. Ag. (Hons.) (Saundatti, Dist. Belgaum); B. D. Kamat, B. Sc. (Nargund, Dist. Dharwar); R. V. Kulkarni, B.Sc. Ag. (Kaladgi, Dist. Bijapur); A. S. Patel, B.Sc. (Agri.), (Harij, Dist. Mehsana).

CENTRAL WATER AND POWER RESEARCH STATION

20, Bombay Road, Poona-3.

Director, D. V. Joglekar, B.E., M.I.E. (India).
 Dy. Director, R. C. Hoon, M.Sc., Ph.D.

TOWN PLANNING & VALUATION DEPARTMENT

Consulting Surveyor to the Government of Bombay, Poona, V. K. Bakre, B.Sc., B.E. (Civil), B.Sc. (Lond.).
 Dy. Assistant Consulting Surveyor to Govt. and Spl. Land Acqn Officer, Bombay & B.S.D., K. R. Desai, B.E. (Civil). (Estate Management).
 Assistant Consulting Surveyor to Government, Ahmedabad, R. M. Parikh, B.E. (Civil), F.I.A.S., F.R.S.A., M.R.San.I. (Lond.), A.M.I.E. (India).
 Dy. Assistant Consulting Surveyor to Govt. (to work as full time Spl. Land Acqn. Officer, Ahmedabad), K. R. Desai, B.E. (Civil).
 Deputy Assistant Consulting Surveyor to Government and Spl. Land Acqn. Officer, Baroda, J. R. Mankad, B.E. (Civil).

Deputy Assistant Consulting Surveyor to Govt., Kolhapur, B. T. Tallm, B.Sc. (Civil).
Senior Assistant to Consulting Surveyor and Spl. Land Acqn. Officer, Poona, S. S. Pansare, D.C.E.
Addl. Spl. Land Acqn. Officer, Poona, H. R. Purandare, D.C.E.
Spl. Land Acqn. Officer, Ahmedabad, N. Y. Joshi, D.C.E.
Additional Special Land Acquisition Officer, Ahmedabad, P. V. Saswadkar, D.C.E.
Senior Assistant to Consulting Surveyor, Kalyan, H. K. Patil.
Senior Assistants to Consulting Surveyor (P.W.R. Scheme), Poona, J. B. Kamat, B.E. (Civil); V. G. Kuber, B.E. (Civil).

LAND RECORDS AND REGISTRATION

Settlement Commissioner and Director of Land Records, and Inspector-General of Registration and Registrar-General of Births, Deaths and Marriages, Bombay State, Poona, U. M. Mirchandani, I.C.S.
Supdt. of Land Records, Ahmedabad Circle, V. R. Kulkarni.
Supdt. of Land Records, Surat Circle, N. K. Ponsale, B.A.
Supdt. of Land Records, Poona Circle and Personal Asstt. to the Settlement Commissioner and Director of Land Records, Poona, H. V. Desai, B.A.
Supdt. of Land Records, Belgaum Circle, H. R. Inamdar, B.A.
Special Superintendent of Land Records, Ratnagiri, V. H. Sangam.
Special Supdt. of Land Records for Consolidation of Holdings, V. A. Athani, M.A.

PUBLIC HEALTH DEPARTMENT

Director of Public Health, Poona, Dr. D. K. Viswanathan, L.M. & S., B.Sc., M.P.H. (John Hopkins), F.A.Sc.
Asstt. Director of Public Health, C. R. D. Poona, Dr. N. T. Advani, M.B.B.S., D.P.H. (Lond.)
Asstt. Director of Public Health, Plague and Technical, Poona, Dr. T. B. Patel, B.Sc., M.B.B.S., B.Hy. (Bom.), D.P.H. (Lond.)
Asstt. Director of Public Health, Malaria, Poona, Dr. J. K. Adnanvala, M.B.B.S. (Bom.), L.R.C.P. (Lond.), M.R.C.S. (Eng.), D.T.M. & H. (Eng.), D.P.H. (Lond.)
Asstt. Director of Public Health, I/c Vaccine Institute, Belgaum, Dr. R. Sanjiv Rao, M.B.B.S., D.T.M. (Lond.)
Asstt. Director of Public Health, I/c Public Health Laboratory, Poona, Dr. S. T. Rodda, M.B.B.S., B.Hy. (Bom.)
Asstt. Director of Public Health, N.R.D., Ahmedabad, Dr. V. H. Thakore, M.B.B.S., D.P.H. (Bom.)
Asstt. Director of Public Health, N.R.D., Belgaum, Dr. A. K. Niyogi, M.B., D.P.H. (Cal.), D.I.H. (Edin.)
Entomologist, Malaria Organisation, Poona, Dr. T. Ramchandra Rao, D.Sc. (Cal.)
District Health Officer, Kaira, Dr. K. P. Ganguly, M.B., D.P.H. (Cal.)
District Health Officer, Nasik, Dr. W. D. Pande, M.B.B.S. (Bom.), D.P.H. (Cal.)
District Health Officer, Ahmedabad, Dr. V. H. Thakore, M.B.B.S., D.P.H. (Bom.), holding additional charge.
District Health Officer, Ahmednagar, Dr. T. K. Kewalramani, M.B.B.S., D.P.H.
District Health Officer, West Khandesh, Dhulia, Dr. M. L. Gulati, M.B.B.S., D.T.M., D.P.H. (Lond.)
District Health Officer, Baroda, Dr. S. Ganguly, M.B., D.P.H. (Cal.)
District Health Officer, Satara North, Dr. V. D. Shah, M.B.B.S., D.P.H. (Cal.)
District Health Officer, Sholapur, Dr. V. N. Rao, M.B.B.S., D.P.H. (Cal.)
District Health Officer, Surat, Dr. R. A. Gandhi, M.B.B.S., D.P.H.
District Health Officer, East Khandesh Jalgaon, Dr. G. N. Niyogi.
District Health Officer, Thana, Dr. S. R. Bathoja.
District Health Officer, Panchmahals, Godhra, Dr. T. S. Mahal, M.B.B.S., D.P.H. (Cal.)
District Health Officer, Broach, Dr. S. B. Advai, M.B.B.S., D.P.H. (Cal.)
District Health Officer, Kolhapur, Dr. G. N. Joshi, M.B.B.S., D.P.H. (Cal.)
Medical Officer of Health, Dharwar Division, Dharwar, Dr. M. R. Dhamdhere, M.B.B.S., D.P.H. (Cal.)
Medical Officer of Health, Sirur Health Unit, Sirur, Dr. T. B. Mirchandani, M.B.B.S., D.P.H. (Cal.)
Medical Officer of Health, Kanara West Division, Karwar, Dr. H. F. Daroga, M.B.B.S., D.P.H. (Cal.)
District Health Officer, Kolaba, Pen, Dr. P. D. Paranjpe, M.B.B.S., B.Hy.
District Health Officer, Belgaum, Dr. B. Baghavan, M.B.B.S., D.P.H. (Cal.)

District Health Officer, Amreli, Dr. V. S. Mhatre, M.B.B.S., B.Hy. (Bom.).
District Health Officer, Sabarkantha, Himatnagar, Dr. B. V. Shirokar, M.B.B.S., D.P.H. (Cal.)
Medical Officer, Malaria Organisation, Head-quarters, Poona, Dr. S., D. Londhe, M.B.B.S., D.P.H. (Cal.)
Medical Officer, Malaria Control Scheme, Broach, Dr. S. R. Kulkarni, M.B.B.S., D.P.H. (Bom.)
Medical Officer, Malaria Control Scheme, Poona, Dr. M. D. Joshi, M.B.B.S.
Medical Officer, Malaria Control Scheme, Nasik, Dr. M. R. Juneja, M.B.B.S.
Medical Officer, Malaria Control Scheme, Ahmedabad, Dr. P. B. Gatne, L.C.P. & S.
Medical Officer, Malaria Organisation, Poona, Dr. B. R. Irani, M.B.B.S.
Medical Officer, Malaria Control Scheme, Panchmahals, Godhra, Dr. H. R. Bhatt, L.C.P. & S.
Medical Officer, Malaria Control Scheme, East Khandesh, Jalgaon, Dr. S. V. Kulkarni, L.C.P. & S., D.P.H. & Hy. (Cal.)
Medical Officer, Malaria Control Scheme, Thana, Dr. K. V. Borkar, M.B.B.S.
Medical Officer, Malaria Control Scheme, Kaira, Dr. T. R. Deshpande, B.Sc., L.M.P. (Bom.)
Chief Chemist, Baroda, B. N. Mehta, M.Sc.
Plague Control Officer, Baranatti, Dr. B. K. Mahajan, M.B.B.S. (Punjab).
Medical Officer, I/c Mobile Hospital Unit, N.R.D., Dhulia, Dr. S. W. Palsnikar, M.B.B.S.
Medical Officer, I/c Mobile Hospital Unit, N.R.D., Belgaum, Dr. R. S. Bhaye, M.B.B.S.
Medical Officer, I/c Mobile Hospital Unit, C.R.D., Poona, Dr. V. R. Hiremath, M.B.B.S.
Superintendent, Vaccine Institute, Belgaum, Dr. P. N. Patel, M.B.B.S. (Bom.)
Junior Entomologist, Head quarters, Poona, S. C. Bhatia, B.Sc. (Agril.)

EDUCATION DEPARTMENT

Director of Education, D. C. Pavate, M.A. (Cantab), Wrangler (B).
Deputy Directors of Education, S. S. Bhandarkar, B.A. (Hons.) (Bom.) and (Lond.); B. M. Meemamsi, B.A., B.T.I., N. R. Trivedi, M.A. (Bom.) II, B.A.I., Maths Trip. Parts I and II, 1st class Wrangler, B.A. (Cantab), Dr. A. G. Pawar, M.A., LL.B. (Bom.), Ph.D. (Lond.), Bar-at-Law, J. A. Vakil, B.A.I. (Bom.), Dip. Edu. (Leeds); M. Ed. (Leeds), Y. D. Khan.
Inspector of Drawing and Craftwork, D. G. Badigar, G. D. (Art), Bombay Graduate of the Royal Academy of Arts (London).
Inspector for Visual Education, G. K. Athalye, B.Sc. (Bom.), B.Sc. Spl. (Lond.), M.Sc. (Lond.), A.R.C.Sc. (Lond.), B.T. (Bom.).
Inspector for Physical Education, Bombay State, D. G. Wakharkar, B.A., B.T., Dip. P. Ed. M.Ed.
Vocational Guidance Officer, Dr. F. S. Chothia, M.Ed. (Bom.), M.A. (Education) (Lond.) M. Ed. (Harvard).
Inspectress of Girls' Schools, Bombay, Kumari S. Bapat, M.A., B.T., T.D. (Lond.).
Inspectress of Girls' Schools, Poona, Kumari C. S. Karnatak, M.A., B.T., T.D. (Lond.).
Personal Assistant to the Director of Education, W. H. Golay, B.A. (Hons.), Diploma in English language and Literature (Lond.); Diploma in Journalism (Lond.).
Superintendents, M. V. Deshpande, M.A., LL.B.; G. S. Bakre, M.A.; J. D. Trivedi, B.A., B.T.; R. N. Pradhan M.A.
Educational Inspector, Bombay, R. S. Galtonde, B.Sc., B.T., T.D. (Lond.).
Educational Inspector, Poona, V. K. Choudhari, B.Sc. (Bom.), M.A. (Cambridge).
Educational Inspector, Sholapur, V. B. Desai, B.A. (Hons.), B.T., D.P. Ed., M. Ed.
Educational Inspector, Satara North, B. R. Kolhatkar, M.A., T.D. (Lond.).
Educational Inspector, Kolhapur and Satara South, Y. V. Javadekar, M.A., B.T., Diploma in Physical Education.
Educational Inspector, Nasik, A. K. Godse, B.Sc. II, B.T., Dip. Phy. Edn.
Educational Inspector, Thana, G. K. Kopplkar, B.A. II (Hons.), B.Sc., B.T. II, M. Ed.
Educational Inspector, Ahmednagar, H. Z. Shimpi, M.A., B.T.
Educational Inspector, East Khandesh, N. G. Save, B.A., B.Sc. II, B.T., D.P. Ed.
Educational Inspector, West Khandesh, U. R. Seolekar, B.A. (Hons.), B.T.M. Ed.
Educational Inspector, Ratnagiri, G. J. Gunjikar, B.A. (Hons.), B.T.
Educational Inspector, Kolaba, K. C. Mohile, B.A. (Hons.), B.T.
Educational Inspector, Baroda, V. H. Bhanot, M.A. (Punjab), B.A. (Hons.) (Canterbury), S.T.C.E. (Baroda), M.A. in Education (Lond.).

Educational Inspector, Ahmedabad and Amreli, Dr. S. S. Raichur, B.A. II., B.T., M. Ed. (Boston), Ph.D. (Boston).
Educational Inspector, Kaira, V. D. Varde.
Educational Inspector, Surat, M. M. Shukla, M.A. II., B.T., M.A. in Education (Lond.).
Educational Inspector, Broach, M. J. Dave, B.A. II., B.Sc. II., B.T., D.P. Ed.
Educational Inspector, Mehsana and Banaskantha, N. D. Khasakia.
Educational Inspector, Panchmahals, R. P. Pandya, B.A. II (Hons.), B.Sc. II, T.D. (Lond.), N.I.P. (Lond.).
Educational Inspector, Subarkantha, P. M. Joshi, B.A. II. (Hons.), B.T., D.P. Ed.
Educational Inspector, Belgum, S. V. Jewoor, B.A. (Hons.), B.T., M. Ed.
Educational Inspector, Bijapur, C. S. Bennur, B.A., B.T., S.T.C., D.P. Ed., M. Ed.
Educational Inspector, Dhareur, K. B. Tergaonkar.
Educational Inspector, North Kanara, R. R. Kupsad, M.A., B.T.

YERAVDA INDUSTRIAL SCHOOL

(Poona 6)

Superintendent, B. S. Khare, B.A.
Dy. Superintendent, D. K. Athalye.

POSTS AND TELEGRAPHS DEPARTMENT

Postmaster, Poona, M. B. Desai.
Divisional Engineer, Telegraphs, Poona, M. D'Lima.
Deputy Divisional Engineer, Telegraphs, Poona, B. G. de Silva.
Sub-Divisional Officer, Telegraphs, Poona, P. K. S. Raja, B.A. (Hons.).
Assistant Engineer, Telephones, Poona, V. C. Alexander, B.Sc.
Sub-Divisional Officer, Telephones, Poona, L. N. Rajagopalan, B.A. (Hons.).
Sub-Divisional Officer, Telegraphs, Belgum, G. K. Prabhu.
Superintendent-in-Charge, G.T.O., Poona, W. S. Wandalkar.
Superintendent-in-Charge, G.T.O., Belgum, G. Alva.

YERAVDA PRISON PRESS

Manager, R. G. Thakar.
Assistant Manager, S. R. Desai.

INDIA METEOROLOGICAL DEPARTMENT

(Poona 5)

Deputy Director-General of Observatories (Forecasting), A. K. Roy, B.Sc., B.A. (Oxon).
Deputy Director-General of Observatories (Climatology & Geophysics), Dr. L. A. Ramdas, M.A., Ph.D.
Director, Agricultural Meteorology, S. P. Venkiteshwaran, B.A. (Hons.).
Meteorologists, Dr. P. Koteswaran, B.Sc.; Dr. T. M. K. Nedungadi, M.A., B.Sc., D.I.C. (Lond.); Dr. U. K. Bose, B.Sc., Ph.D.; A. K. Mallik, M.Sc., B.Sc. (Agric.), Assoc. I.A.R.I.; K. Nagabhushana Rao, M.Sc.; Dr. C. G. Pendse, M.A., Ph.D.; Miss A. M. Maul, B.Sc. (Hons.); P. K. Das, B.Sc. (Hons.), M.Sc. (Lond.); K. P. Ramakrishnan, B.A.; B. G. Narayanan, B.Sc.; N. C. Ral Sreer, M.Sc.
Assistant Meteorologists, Dr. D. N. Moghe, M.Sc., D.Sc.; S. Yegannarayannan, B.A.; P. S. Srinivasan, M.Sc.; K. M. Gadru, B.A.; S. B. Kulkarni, B.Sc.; S. S. Ramakrishnan, M.A.; V. K. Ramabhadran, M.A.; A. J. Shirgaonkar, M.Sc.; M. V. Sivaramakrishnan, M.A.; M. D. Mathur, M.Sc.; S. P. Bose, B.Sc.; P. N. Biswas, B.Sc.; P. Jagannathan, M.A.; N. C. Ganguli, B.A.; J. C. Das, B.A. (Hons.); R. Krishnaswamy, B.A., B.L.

CO-OPERATIVE DEPARTMENT

(Poona)

Deputy Registrar, Co-operative Societies, Poona Division, Poona, B. M. Chitnis.

FOREST DEPARTMENT

(Central Circle)

Conservator of Forests, Central Circle, Poona, J. V. Karamchandani, B.Sc. (Forestry) (Edin.), F.R.S.A.
Divisional Forest Officer, Poona, M. V. Wartli.
Divisional Forest Officer, Kolaba, Alibag, J. G. Lagu.
Divisional Forest Officer, Satara, K. P. Karamchandani, B.Sc. (Hons.).
Divisional Forest Officer, Kolhapur, G. A. Wagle.
Sub-Divisional Forest Officer, Janjira, L. G. Lagu (Additional charge).

GOVERNMENT OF INDIA, DEPARTMENT OF ARCHÆOLOGY
South Western Circle, Poona.

Superintendent, V. D. Krishnaswami, M.A., Dip. Arch. (Cantab.).
Asst. Superintendent, B. K. Thapar, M.A.

LONAVLA

This hill station is situated at the top of the Bhore Ghat incline about 2,027 feet above sea-level. It has extensive Railway quarters for employees, a Railway Dispensary exclusively for Railway employees, a Railway Co-operative Store and two Railway Institutes with Reading Rooms and Library, and Tennis Courts for Railway employees.

Lonavla, Bhangarwadi, Bhushi, Nagargao, Valvan, Tungarli and Khandala are all in the charge of the Lonavla City Municipality established in 1877. The Railway has a Municipality of its own. The Post and Telegraph offices in Lonavla belong to class 2. Church of England, Methodist and Roman Catholic churches, two Masonic lodges—Lodge 'Dawn of Peace' and Lodge 'Barton'—are other important features of the town.

Among the Lakes may be mentioned the 'Tata Sons Hydro-Electric Works Lake' at Valvan (walking distance and drive over a built road), their smaller Lake near the Railwoods, and the Lonavla Municipality's Water Works on the top of the Tungarli Hill about 2½ miles north of the Railway Station. Fishing is allowed both at the Bhushi and the Valvan lakes, the latter being the more suited for the purpose. A permit can be obtained locally from the Water Engineer's office at Lonavla on payment of a fee which includes the use of the Company's boat.

The Railway houses are supplied with water from the Railway Bhushi Tank, about three miles from the Railway Station. The town of Lonavla and its adjacent villages and suburbs are supplied with water from the Municipal Water Works at Tungarli.

Lonavla has a High School, conducted by the Vidya Prasariini Sabha of Poona, a Municipal Dispensary with a Maternity Ward. The Municipality has constructed new vegetable, mutton, beef and fish markets and mutton and beef slaughter houses on modern sanitary principles. There is a Municipal rest-house and Dharmashala on the Lonavla-Bhangarwadi Road. The Railwoods are suitable for picnics and are also a camping ground for Government Officers during the hot season.

About 3½ miles from the Railway is situated the "Tiger's Leap," a promontory which commands a picturesque view of the valley below. The famous Karla Caves are situated on a hill about five miles from Lonavla, and are reached by a built road up to the foot of the hill, and visitors either walk up or are carried up by means of chairs. There is a man in charge of the Caves at the top for assisting visitors. Tongas and victorias can be hired throughout the year. From the Railway Station of Malawali, nearly three miles from Lonavla, visitors can proceed to view the Lohgadhi Fort (now partially demolished) on the top of a hill. The approach to it is by no means easy and visitors must arrange beforehand for chairs—slung on poles—to be sent to the Railway station from the Karla Caves hill or Karla village. This Fort was formerly used as a State prison by the Peshwas. About five miles by road from Lonavla is the Sakar Pathar Hill, a well-known shooting ground where big game may be found.

The terrace garden overlooking Tata's Valvan Lake, and situated at the top of a hill, commanding an extensive view all round, is another attraction for visitors to Lonavla. The garden is mainly financed by the Kalvalyadham Ashram of Lonavla, the Municipality also contributing to its upkeep.

The following are some of the Forts and places of interest:—

Fort of Lohgadhi	3,412 feet above sea-level.
Fort of Visapur	3,542 do.
Fort of Rajmachi which stands on the top of the Shadri Range and commands a grand view of Matheran, Konkan and even part of Bombay ..	2,710 do.
Duke's Nose	2,720 do.
Tungarli Municipal Lake ..	2,276 do. Top of Dam.

There are two good hotels at Lonavla, viz., the Lake View and the Hotel Central. The Hotel Central and the Lake View remain open throughout the year. Mention may also be made of the Khandala hotel at Khandala, which is only 2 miles from Lonavla.

The temperature varies from 65 in the cold weather to 85 in the hottest month.

The rainfall varies from 160 to 250.

The Municipality maintains electric street lights within the Municipal limits.

KHANDALA

Khandala, a health resort, 78 miles from Bombay by rail and 71 by road lies in Mawal Taluka. It is situated at the top of the Bhore Ghat at an elevation of about 2,000 feet above sea-level, and has an agreeable and bracing climate all through the year. The town is electrically lit and possesses adequate water supply brought from the municipal dam in Tungarli hills. It has also the usual postal, telephone and telegraph facilities. Bungalows are available for seasonal lease, and bungalows, sanitarium, hotels are all easily accessible from the railway station. The local population is about 1,500.

Rice is cultivated on a small scale, and there is very little commerce or industry. The town is primarily a health resort, and tourist centre. Among places worth a visit in and around the town are Tata Electric Supply Company's reservoir called Forbay Dam, Byramjee's Point, the Duke's Nose, Tiger's Leap, all of which provide magnificent views of the surrounding country. About nine miles from Khandala are the Karla caves considered to be the oldest specimen of Buddhist caves in India. In Walwan lake which is about four miles from Khandala good mahashir fishing is available.

HOTELS

Khandala Hotel.
Empress Hotel.
Western Hotel.
Government Inspection Bungalow.

INSTITUTIONS

St. Peter's School and Nursery.
Cowasji's Zoroastrian Girls' Boarding School.
Marzban Sanitarium.
Hindu Sanitarium.
Khoja Sanitarium.
Government Dispensary.
Wadia Charitable Dispensary.
Wadia Hospital.
St. Xavier's College Fathers' Holiday Home.
St. Mary's School Fathers' Holiday Home.
Convent of Jesus and Mary.
Poona St. Mary's Convent.
Jesuit Mission House, Kune.

EDUCATIONAL INSTITUTIONS

UNIVERSITY OF POONA

The University of Poona was established by the Poona University Act, 1948 of the Government of Bombay passed in pursuance of its policy to create Universities in the State for different linguistic regions. The University area comprises the following 12 Marathi speaking Districts of Maharashtra in Bombay State namely, Poona, Nasik, Thana, East Khandesh, West Khandesh, Ahmednagar, Solapur, North Satara, South Satara, Kolhapur, Ratnagiri and Kolaba.

The University is both teaching and affiliating in character. The teaching activity is confined to Post-graduate classes in the whole University area and also post-intermediate classes in the Poona area (which comprises Poona and its suburbs).

It has the following seven Faculties and has provision for courses for the following degrees:

Faculty of Arts: B.A., M.A., Ph.D., D.Litt., B.A. (External), M.A. (External), *Faculty of Mental, Moral and Social Sciences*: B.A., M.A., B.T., M.Ed., B.Com., M.Com., Ph.D., *Faculty of Science*: B.Sc., M.Sc., M.Sc. (Maths) (External), Ph.D., D.Sc.; *Faculty of Law*: LL.B., LL.M.; *Faculty of Medicine*: M.B., B.S., M.D., M.S., Ph.D.; *Faculty of Engineering*: B.E. (Civil, Mechanical and Electrical, Telecommunications and Metallurgy), M.E. Ph.D.; *Faculty of Agriculture*: B.Sc. (Agri.), M.Sc. (Agri.), Ph.D.

The University has also instituted for the benefit of employed persons and married women, the B.A. (External) and M.A. (External) degrees in the Faculties of Arts and Mental, Moral and Social Sciences and M.Sc. (Maths) (External) in the Faculty of Science to which students can qualify by appearing for the examinations direct, without having to undergo instruction in a College or the University.

The University has also instituted a Faculty of Fine Arts and Music and the degree of Bachelor of Music, but it has not started functioning so far.

COLLEGES AND INSTITUTIONS

The University has in all 26 affiliated Colleges and four recognized Research Institutions. Of them, 11 colleges and all the four Recognized Institutions are in the Poona area and they are called the Constituent Colleges and the Constituent Recognized Institutions of the University. Of the Colleges, two are Law Colleges (One at Poona and the other at Kolhapur), one is a Medical College (at Poona), two Engineering Colleges (One at Poona and one at Sangli) and one Agricultural College (at Poona). The rest are Colleges for Arts, Social Sciences and Science. The total strength of students in all the colleges and the University is in the neighbourhood of 15,000.

UNIVERSITY DEPARTMENTS

The University has its own Departments in the following ten subjects, each headed by a University Professor or Reader and mainly, intended for post-graduate instruction and research. Marathi, Sanskrit, Politics, Experimental Psychology, Mathematics and Statistics, Physics, Chemistry, Zoology, Geography and Botany (to be started shortly).

CHANCELLOR

Girja Shankar Bajpal, B.A. (Oxon.), B.Sc., Governor of Bombay.

VICE-CHANCELLOR

Dr. M. R. Jayakar, P.C., M.A., D.C.L., LL.D.

REGISTRAR

G. F. Bhosle, B.Sc. (Econ.) (Lond.).

DY. REGISTRAR

Vacant.

ASSTT. REGISTRAR

B. B. Hanerikar, M.A., LL.B.

DY LIBRARIAN

K. S. Hingwe, M.A., Dip Lib Sc.

SECRETARY, FOREIGN UNIVERSITIES INFORMATION BUREAU AND UNIVERSITY EMPLOYMENT BUREAU
A. B. Arlick, B.Sc. (N.D., U.S.A.).

SECRETARY, BOARD OF EXTRA-MURAL STUDIES

Dr. A. V. Nalk, M.A., Ph.D.

THE COURT

This corresponds to the Senate of the Bombay University and is the main policy-making body of the University. It can institute and confer degrees, institute professorships, faculties and consider and pass resolutions on Annual Reports, Annual Accounts and the Financial Estimates of the University prepared by the Executive Council. Its membership is about 100 and besides the registered graduates, it has also got representatives of the District Local Boards and Municipalities in the Districts in it. This special characteristic has enhanced the representative character of the University.

ACADEMIC COUNCIL

This is the main academic body and has got powers in respect of all academic matters of the University. Its total membership is about 80.

EXECUTIVE COUNCIL

This is the main administrative body of the University, comprised of representatives from the Court and the Academic Council. Its total membership is 16.

BOARD OF UNIVERSITY TEACHING

This is concerned with the organization, co-ordination and conduct of post-intermediate teaching in the Poona area and the post-graduate teaching in the whole University area. Its total membership is about 40.

BOARDS OF STUDIES

These are 40 in number in all the Faculties together. Their main function is to frame courses of studies and to draw up panels of examiners.

AYURVEDA MAHAVIDYALAYA

POONA 2

The institution is recognised by the Faculty of Ayurvedic & Unani Tibbi systems of medicine, Bombay and conducts 4½ years course as prescribed by the Faculty. The standard of admission to the course is Inter Sc. with Sanskrit for matriculation.

The Institution maintains Laboratories for Bio-chemistry, Physiology and Pathology and has a Dissection Hall, Museum, Library, and a Pharmacy Department as well. The 34 members of the staff include vaidyas, doctors, scientists, and Sanskrit scholars.

The Institution also conducts a two years' Post-Graduate course. The total number of students receiving instructions is 350 which includes 75 lady students.

The attached hospital known as the Seth Tarachand Ramnath Ayurvedic Hospital has 150 beds (60 medical, 60 surgical & 30 maternity) and has a well equipped operation theatre, a Pathological Laboratory, an X-ray department and an out-patient department treating 250 patients daily.

Medical Treatment given is purely Ayurvedic.

The Institution has acquired 6½ acres of land near the hospital for residential quarters for students and staff, Botanical garden, playgrounds, etc.

The Institution has also acquired 120 acres of land at Katraj Ghat, on Poona-Satara road where a T.B. Sanatorium will be started.

The Institution is receiving Rs. 68,000 as grant-in-aid from the State Government and the yearly expenditure of the Mahavidyalaya and the hospital is more than Rs. 2,30,000.

B. J. MEDICAL COLLEGE, POONA

This College was started in June 1946 as a result of conversion of the Medical School into Medical College. The College admits every year 80 students for the M.B.B.S. course. The total number of students at present is about 450. The clinical instruction is given in the attached Sassoon hospitals. The Principal and Professor of Anatomy is Dr. B. M. Desai, M.S. (Bom.), F.R.S. (Bom.).

CAMP EDUCATION SOCIETY

Raja Dhunrajgirji High School,
22/1, Nagresh Peth, Poona 2.

Aim: Education for the poor of all classes. For the building in camp Sir D. M. Petit paid Rs. 7,500 and the Government of Bombay Rs. 7,500. For the Raja Dhunrajgirji High School, Poona City, Rajasaheb Dhunrajgirji paid Rs. 25,000. The Society conducts a primary school in camp.

Life members: G. P. Sohoni, Hon. Secretary and Head Master, R. D. High School, Poona 2.

V. K. Shrotriya, Head Master, Camp High School, Poona 1.

COLLEGE OF AGRICULTURE

The Agricultural College, Poona 5, is a Government college under the control of the Agricultural Department. It is affiliated to the Poona University. A four-year course leading to the degree of Bachelor of Science in Agriculture—B.Sc. (Agri.)—of the Poona University is given at this College. Students passing the S.S.C. examination or an equivalent examination can be admitted to this course subject to satisfying the University regulations. The college is also fully equipped for Post-graduate instruction leading to the degrees of M.Sc. (Agri.) and Ph.D.

Short courses in special subjects and facilities for research exist at this college.

COLLEGE OF ENGINEERING

Poona

(1) The College of Engineering arose out of a school established by Government in 1854, for the purpose of educating engineers for the Public Works Department and is under the control of a Principal who is subordinate to the Joint Director of Technical Education.

(2) The College of Engineering, Poona, is a Government institution under the Educational Department of the Government of Bombay. It is affiliated to the University of Poona and conducts courses for the Degrees of Bachelor of Engineering (civil, mechanical and electrical, metallurgy and tele-communication). The Degree Course is a three and a half years' course after the Intermediate Science.

(3) It has also courses leading to the diplomas in civil engineering, mechanical engineering, electrical engineering, metallurgy and tele-communication awarded by the Government of Bombay. The Diploma courses are of three years' duration after the S.S.C. Examination of the Government of Bombay or its equivalent.

(4) There is a provision for Post-Graduate teaching in all branches of engineering.

(5) The college has a well-equipped library.

(6) The college is situated in a very central locality near the Sangam, close to the railway station of Shriyaji Nagar. It has residential accommodation for 353 students of the Degree classes and for 121 students of the Diploma classes. Rooms are also available in several private bungalows in the close vicinity of the college.

(7) The college has extensive playing fields adjoining the hostels and ample facilities are available for the physical development of the students. The Gymkhana which is run by the students under the guidance of the staff provides facilities for playing cricket, tennis, football, hockey, volley ball, basket-ball, badminton and other games.

(8) The College has also fine boat clubs (run by the students) which are open throughout the fair season (October-June).

DECCAN EDUCATION SOCIETY

Poona

The object of the Society is "to facilitate and cheapen education by starting, affiliating and incorporating at different places, as circumstances permit, schools and colleges under private management or by any other ways best adapted to the wants of the people." The Society has now 36 life members. The value of the property and endowment funds held by the society amounts to more than Rs. 50,48,000. The annual receipts and expenses of the society's institutions amount to Rs. 20,00,000. The Council, the Governing Body, and the board of life members are the bodies entrusted with the management of the society's affairs.

Chairman of the Council and the Governing Body:—H. G. Gharpurey, M.A., I.C.S. (Retired); **Secretary:**—Prof. G. L. Chandratreya, M.A. (Cantab.), Fergusson College, Poona.

The Society's institutions are the following:—The Fergusson College, Poona: **Principal**—Dr. D. D. Karve, M.Sc., Ph.D., A.I.I.Sc.; The Willington College, Sangli: **Principal**—Prof. K. G. Pandit, M.A.; The Brihan Maharashtra College of Commerce, Poona: **Principal**—

Prof. T. M. Joshi, M.A.; The New English School, Tilak Road, Poona 2: **Superintendent**—Prof. P. N. Virkar, M.A., B.T., T.D. (Lond.); The New English School, Ramanbag, Poona: **Superintendent**—Prof. K. G. Nitsure, M.A., B.T.; The New English School, Satara: **Chairman, Standing Committee**, Prof. N. V. Vaidya, M.A.; Maoji Madhavji High School, Umbargaon: **Chairman, Standing Committee**—Prof. D. D. Vadekar, M.A.; Dravid High School, Wal: **Chairman, Standing Committee**—Dr. V. V. Gokhale, B.A., Ph.D.; Ahilyadevi High School for Girls, Holkar Wada, Poona: **Chairman, Standing Committee**—Prof. R. S. Joag, M.A.; The Navin Marathi Shala, Poona: **Chairman, Standing Committee**—Prof. S. R. Parasnis, M.A.; Justice M. G. Ranade Balak Mandir, Poona: **Chairman, Standing Committee**—Prof. S. R. Parasnis, M.A.; Technical Institute (attached to Fergusson College), Poona: **Chairman, Standing Committee**—Prof. D. G. Dhavale, M.Sc.

The total number of students in the institutions of the Society exceeds 10,000.

D. E. SOCIETY'S AHILYADEVI HIGH SCHOOL FOR GIRLS

Holkar Wada, Poona 2.

The School with 850 pupils and 30 teachers (mostly women) has been steadily furthering the cause of female education and has shown considerable improvement and progress in all its activities in its brief life of ten years. It has distinguished itself in the inter-school competitions for girls by winning championships and trophies and its matriculation results are also very encouraging. The School satisfies all the necessary requirements of the full-fledged modern School. It is singularly fortunate in having its own 16 mm. projector machine which has gone a long way to make the school instruction more realistic. It is hoped that due to the willing public support and sympathy that are profusely extended to the school from time to time, the school is sure to make great headway in the educational field. A great stress is laid on the practical aspects of the subjects that will be useful to the girls in their future day to day life.

D. E. SOCIETY'S BRIHAN MAHARASHTRA COLLEGE OF COMMERCE

Poona 4.

(Affiliated to the Poona University as a Constituent Degree College)

The Deccan Education Society, Poona, established in 1884, started this college in June 1943. It is a first grade college teaching upto M.Com. degree examination. The Brihan Maharashtra Sugar Syndicate Ltd., Poona, gave a munificent donation of rupees two lacs towards the building fund of the college. The trustees of the Sir Dorabji Tata Trust have donated Rs. 50,000 for the construction of an assembly hall for the college.

The college is situated, at present, in the 'Amphitheatre' buildings of the Fergusson College of the society. The permanent buildings of the college have to be constructed on a separate piece of ground where the play-fields are already located.

D. E. SOCIETY'S NAVIN MARATHI SHALA

Shanwar Peth, Poona 2.

Superintendent.—P. V. Sane, B.Sc., S.T.C.

Conducted by Deccan Education Society, Poona. Established in 1890 in Holkar Wada; shifted to its present stately building with its extensive ground on all sides in 1923. The school is open to all irrespective of caste and creed and gives instruction up to Std. IV.

Special features:—(i) Provision for drawing, clay-modelling, gardening, slinging and sewing, (ii) reading room for children, (iii) A separate department for giving first aid to pupils.

JUSTICE M. G. RANADE BALAK MANDIR

Shanwar Peth, Poona 2.

Superintendent. P. V. Sane, B.Sc., S.T.C.

Conducted by the Deccan Education Society, Poona. Established in 1936, is temporarily housed in the Navin Marathi Shala. Children admitted are between the ages of 3 and 6. A spacious hall, children's garden, large play-ground equipped with merry-go-round, slides, saw-saws and the school-bus, etc. are some of the special features. Strength of the school is over 200. The staff consists of women teachers who are all qualified.

D. E. SOCIETY'S NEW ENGLISH SCHOOL

Ramanbag, Poona 2.

The New English School, Ramanbag started its existence as a separate high school in June, 1946. Till then it formed a section of the New English School, Poona, founded in 1880 by such eminent educationists as Chiplunkar, Tilak, Agarkar, Namjoshi and Apté. The traditions of service and self-sacrifice and the spirit of idealism which inspired the workers in the past still continue to guide and sustain the present constituents of the school in their national work of educating the new generation. The total strength is 1,100, with 23 classes.

Special Features:—(i) gardening, (ii) manual training, (iii) scout groups, (iv) poor boys' store.

FERGUSSON COLLEGE

Poona

This Institution owes its origin to the development and growth of the New English School, Poona, which was founded in 1880 for the purpose of cheapening and facilitating education. The college is under the direct supervision of the council and the governing body of the Deccan Education Society. The college is a constituent college of the University of Poona for teaching courses in Arts and Science upto the highest degrees.

Principal.—D. D. Karve, M.Sc., Ph.D., A.I.I.S.

LAW COLLEGE

Poona

Opened by Indian Law Society in 1924, owns building, library, gymkhana, swimming pool, hostel.

Scholarships are awarded on the results of examinations.

Principal.—Ganapati Vishnu Pandit, M.A., LL.M.

MAHARASHTRA EDUCATION SOCIETY'S COLLEGE OF ARTS AND SCIENCES

Poona 4.

This college is the tenth educational institution started in 1945 by the Maharashtra Education Society, Poona. The society itself has grown out of a school founded in 1860—in fact the oldest surviving school of Poona. The society has been conducting five high schools, three in the city of Poona (including one for girls only) and two in the Poona District—one at Barnauli and one at Saswad; two primary schools; one nursery school and one Teachers' Training Institute. At present 6,000 pupils are being catered for by the society.

This college is a constituent degree college of the University of Poona and teaches for the present courses leading up to Intermediate Arts and B.Sc. examinations.

Prof. M. N. Bhat, M.A., I.T. is the principal of the college and Prof. N. S. Jamadagni, M.A., B.T. is the vice-principal.

MAHARASHTRA GIRLS' EDUCATION SOCIETY'S COLLEGE FOR GIRLS

Huzur Paga, Poona 2.

The college was started in June 1946 by the M. G. E. Society, Poona, which has been doing valuable work in the cause of women's education since 1884. The college is affiliated to the Bombay University up to the Intermediate Arts examination. The object of the society in starting this college is to give girl students sound liberal education which would ensure their full intellectual and cultural development and would enable them to play their part well in their future life.

MAHILASHRAM HIGH SCHOOL

Hingne Budruk, Poona 4.

This school was started in 1916 as the first feeder high school affiliated to the Indian Women's University. Both the high school and the University were developed by the Hindu widows' home association at Hingne from 1916. The Mahilashram High School is now an ideal boarding school run on the fundamental ideal of the founder Dr. D. Karve. There are nearly 300 girls in the high school, who are being prepared for the S.S.C. examination of the University of Bombay. A special tailoring class recognised by the Board of Technical Education, Government of Bombay, is conducted for the pupils.

THE NATIONAL MODEL SCHOOL

4, Boat Club Road

Poona No. 1.

(Public School)

This school is the first institution opened by the National Educational Society, founded by men who from their long standing experience of teaching realize the need of more institutions run on Public School lines.

The school prepares boys for Bombay Matric and the all-India Military Academy competitive examination. A fully equipped laboratory is provided for the senior boys while the juniors are specially coached in arts and crafts, hand-work, hygiene and physiology besides class work.

NEW ENGLISH SCHOOL

Tilak Road, Poona 2.

This institution was founded on the 1st of January 1880, by eminent persons like Vishnuhasastri Chiplunkar, Lokmanya Tilak, Namjoshi and Agarkar.

From the munificent donation given by Sheth Motichand Shaha, a planetarium is to be set under the dome of the new school building. The planetarium is intended to be open to the pupils as well as to the public. The N. C. C., the vocational guidance centre, the scout movement, the poor boys' shop are some of the many salient features of the school. The strength of the school, at present, is above 1,800.

Superintendent.—Prof. P. N. Virkar, M.A., B.T., F.D. (Lond.).

NOWROSJEE WADIA COLLEGE

Poona

This college is the first institution opened by the Modern Education Society, Poona, in 1932 for the purpose of imparting efficient all-round education to the younger generation. Mr. Neville Wadia is the President of the society. The college is affiliated to the University of Poona. It is also a constituent college of the University. The college is recognised for the teaching of the B.A. (General and Honours) and B.Sc. (General and Honours) courses and for the Teachers' Diploma course. The society also conducts an Electrical Institute, viz., The Sir Currow Wadia Institute of Electrical Technology.

STAFF

Principal. N. G. Suru, M.A. *Vice-Principal*. P. R. Damle, M.A., LL.B.

PROGRESSIVE EDUCATION SOCIETY

Shivajinagar, Poona 5

The society was founded in 1934 with the object of making pupils in its institutions useful, efficient and cultured citizens and self-reliant and resourceful men and women. The management, from the beginning, have set before themselves the aim, to break away from the tradition whereby memory is cultivated at the expense of reasoning and observation, and to encourage individual work.

The society's institutions :—

- (1) The Modern High School was started in 1934.
- (2) The "Prathamik Vidyamandir" is a primary school.
- (3) The Sir Sassoon David Hostel.
- (4) The Girls' High School.

QUEEN MARY'S TECHNICAL SCHOOL FOR DISABLED INDIAN SOLDIERS

Park Road, Kirkee

Established 1917. Funds subscribed by ruling princes and wealthy donors. Maintained by war funds. *Founder*.—The Countess of Willingdon. *Patron*.—The President of the Indian Republic. *Vice-Patrons*.—Girja Shankar Bajpal, (Governor of Bombay and Shrinati Bajpal. *Superintendent*.—Col. B. Haan, C.B.E., I.M.S. (Retd.) Training is free as is food, accommodation and clothing. Allowance of Rs. 12 p.m. in addition to pension. Free railway warrants.

SHIKSHANA PRASARAKA MANDALI

Poona

The Mandali (Society) was founded in 1888 by a few enthusiastic vernacular trained teachers, in memory of the late Vishnuhasastri Chiplunkar, a great Marathi man of letters. From this humble beginning the mandali has steadily developed into an important educational institution and is now conducting the following institutions.

SIR PARASHURAMBHAU COLLEGE—Poona**RAMNARAIN RUIA COLLEGE—Bombay****RAMNIRANJAN ANANDILAL PODAR COLLEGE OF COMMERCE AND ECONOMICS—Bombay****TILAK COLLEGE OF EDUCATION—Poona****NUTAN MARATHI VIDYALAYA HIGH SCHOOL—Poona****HARIBHAI DEOKARAN HIGH SCHOOL—Sholapur****NUTAN MARATHI VIDYALAYA PRIMARY SCHOOL—Poona****SCHOOL OF RADIO PHYSICS AND ELECTRONICS—Poona****SHRI SHIVAJI PREPARATORY MILITARY SCHOOL**

Poona

(Poona Public School.)

The All-India Shri Shivaji Memorial Committee under the presidency of the Maharaja of Kolhapur started this school in memory of the great Maratha hero Shivaji the Great and of the Maratha soldiers who gave their lives during the great war. The school was founded in June 1932, and the opening ceremony was performed on September 20th, 1933, by His Excellency Sir Frederick Sykes, the then Governor of Bombay. At present the President is the Maharaja of Indore.

The school is conducted on non-denominational lines and is open to Indian boys of all castes and creeds. There are special facilities for admission to Montessori class from three years and a full primary school for four standards. Boys are prepared for the Secondary School Certificate examination of the Government of Bombay and the examination for admission to the Joint Services Wing of the National Defence Academy. They are admitted from the age of six and there are special dormitory arrangements for smaller boys under the supervision of a matron. Day boys are also admitted.

The school has extensive playing fields comprising 25 acres including five acres covering agricultural and vegetable farming. There are two riding schools, hockey, football and cricket grounds, a bathing pool, three squash racket courts, two tennis courts and a miniature rifle range.

The school building is well designed, and the dormitories are particularly cool and spacious. The present strength of the school is 273.

Principal. — M. V. Gujar

TILAK COLLEGE OF EDUCATION Poona

This college prepares students for the B.T. and M.Ed. examinations of the Poona University. It was started in June 1941, by the Shikshan Prasarak Mandali, Poona, with a view to meeting the keenly felt need of trained teachers in our secondary schools.

LITERARY, SCIENTIFIC AND OTHER INSTITUTIONS

BHANDARKAR ORIENTAL RESEARCH INSTITUTE Poona 4.

The Institute was inaugurated on the 6th of July 1917, the 50th birthday of Late Dr. Sir R. G. Bhandarkar. Its objects are to publish critical editions of texts and original works bearing on Oriental antiquities, to provide an up-to-date Oriental library, to train students in the methods of research and to act as an information bureau on all points connected with Oriental studies. The valuable library of Dr. Sir R. G. Bhandarkar, which he had bequeathed to the Institute, is now located in the central hall of the Institute. Since April 1918 the Government of Bombay have transferred to the custody of the Institute the unique collection of nearly 20,000 manuscripts together with a maintenance grant of Rs. 3,000 a year. Government have likewise entrusted to the Institute a grant of Rs. 12,000 a year for the publication of the B. S. S. and the Government Oriental Series, (the latter including, amongst others, Dr. Kane's History of Dharmashastra in five Volumes). The Institute has also started a series called the Bhandarkar Oriental Series in which several works have been already published and others are in progress. The Institute has undertaken to edit Mahabharata critically at the initiation of the late Raja of Agnadh who donated a grant of Rs. one lakh for that purpose. The Institute has also received so far about Rs. 33,615 from the trustees of the Mahabharata publication fund, London, earmarked for the publication of the Virata, Udyoga and Karna parvans. More than two-thirds of the work on the critical edition has been completed. On 25th March 1944, the Institute inaugurated its Mahabharata printing department with a view to expediting the printing of the Mahabharata edition. The Institute issues a journal called *Annals* of the Bhandarkar Oriental Research Institute published normally four times a year. It also held under its auspices the first oriental conference on the 6th, 6th and 7th of November 1919 under the patronage of Sir George Lloyd and the presidency of Sir R. G. Bhandarkar.

The Institute is housed in a fine, commodious and fire-proof building. In 1931, the Nizam gave a princely donation of over Rs. 40,000, which has enabled the Institute to build a Guest House for the use of Indian, Asiatic, European and American scholars visiting the Institute for occasional studies. Since August 1927 the Institute had been conducting for several years regular M.A. Classes in Sanskrit, Pali, Ardhamagadhi and ancient Indian culture. Recently the Sanskrit department of this Institute has been affiliated to the University of Poona and students are being coached for the M.A. and Ph.D. degrees of the above mentioned University. Lectures by eminent Scholars are also delivered occasionally. Membership dues Rs. 10 a year or Rs. 100 compounded for life. Members can, subject to certain conditions, borrow books from the library and get the *Annals* free, and other publications (a list covering over 120 titles sent free upon request) at concession rates.

DECCAN COLLEGE POST-GRADUATE AND RESEARCH INSTITUTE Yeravda, Poona 6.

The Deccan College, Poona, which was closed in 1934 was revived as a post-graduate and research institute by the Govt. of Bombay by creating in 1938, the Deccan College Poona Trust, of which the present trustees are: The Vice Chancellor of the University of Poona, the Director of Education and Sir Jamsetji Jeejeebhoy, Bart. as ex-Officio Trustees and two others, viz., Prof. R. P. Patwardhan, M.A., Poona, and S. B. Dhavale, B.A. (Cantab.), I.C.S. (Retd.), Poona.

The management of the Institute is vested in a council of management consisting of three ex-Officio members and nine others nominated by Government.

Council of Management:—The Rt. Hon'ble Dr. M. R. Jayakar, P.C., D.O.L., LL.D., M.A., Chairman, Vice-Chancellor, Poona University; D. C. Pawate, M.A., Director of Education; Dr. S. M. Katre, M.A., Ph.D., Director of the Institute; Prof. D. E. Gadgil, M.A.,

In addition the college has recently started a class for the education of deaf children and a training class for teachers of the deaf. It was named after the great leader in recognition both of the Mandali's debt to him and of his own remarkable contribution to the cause of education. The college aims to inculcate in its alumni that wide educational outlook which characterised the late Mr. Tilak.

TRAINING COLLEGE FOR MEN Poona

Founded in 1851 as a normal class, this institution developed into a full-fledged Training College for Men, Poona in 1856. It is the first and premier institution in Bombay State meant for the training of primary teachers. The course extends over two years. There is a big hostel to accommodate almost all pupil teachers. It is managed by the principal with the help of the hostel superintendent.

M.Litt., Ashfaq Hussain, M.A. (Oxon); Dr. P. V. Kane, M.A., LL.M., D.Litt.; Prof. D. D. Kapadia, M.A., I.C.S. (Retd.); Sir Rustum Masani, M.A.; Dr. S. C. Nandimath, M.A., Ph.D.; Prof. R. P. Patwardhan, M.A., I.C.S. (Retd.); Prof. H. D. Velankar, M.A. and Dr. S. K. Belvalkar, M.A., Ph.D.

The Institute conducts post-graduate research in Linguistics and History having in all eight chairs in these two subjects, viz., 1. Indo-European Philology, 2. Dravidian Philology, 3. Semitic Languages and Literature, 4. Sanskrit Literature (especially Vedic), 5. Proto and Ancient Indian History, 6. Medieval Indian History, 7. Maratha History and 8. Sociology. In the department of Linguistics, editorial work of the Dictionary of Sanskrit on Historical Principles is being carried out and the Phonetics Laboratory attached to the Institute is the only one of its kind in India, doing scientific and analytical work in Experimental Phonetics. In the department of History, Prehistoric Archaeology, Caste Surveys and Anthropometric work are some of the principal features.

This Institute is a constituent recognised institute of the University of Poona. The post of a University Lecturer in Sociology has been attached to the Institute since January 1950.

The Institute publishes its researches in its Bulletin issued about four times a year and in the Monograph, Dissertation and Handbook series from time to time.

STAFF

Director—Dr. S. M. Katre, M.A., Ph.D. (London); **Professor**—Dr. H. D. Sankalia, M.A., LL.B., Ph.D. (London); **Readers**—C. R. Sankaran, M.A., Dr. M. A. Mehendale, M.A., Ph.D., T. S. Shejwalkar, B.A., Dr. (Mrs) I. Karve, M.A., Ph.D. (Berlin); **Registrar**—Dr. R. G. Harshe, B.A., D.Litt. (Paris); **Curator of the Historical Museum**—P. L. Saswadkar, M.A., **Librarian**—V. B. Belare, B.A., Dip Lib.

LORD REAY MAHARASHTRA INDUSTRIAL MUSEUM Founded 1890 Revived 1930.

Poona

INCORPORATED BY BOMBAY ACT XXXII OF 1947.

FUNCTIONS, FEATURES AND ACTIVITIES.

MUSEUM EDUCATION ASSOCIATION. This brings schools into closer association with Museum Displays and Museum subjects.

MUSEUM GOES TO SCHOOL. Show-cases containing displays are sent out to schools to reach the school-boy.

TECHNICAL AND INDUSTRIAL LIBRARY: This has, on regular file, 300 periodicals. It is recognised by Government of India, as an inspection centre for Patent Literature. It has over 30,000 specifications.

PATENTS AND INVENTIONS: It is planned to have a Museum of Patents and Inventions.

EMPORIUM: This is the Industrial and Commercial Division of the Museum established for the propagation of the well-known Arts and Crafts and the Cottage Industry of the Country. As a further extension, an Exhibition of Trade Samples has been organized.

POONA INDUSTRIAL EXHIBITION, POONA: The ruling policy and governing principles associated with this activity are (a) Swadeshi, (b) Industry and (c) Education.

MUSEUM OF WELL-KNOWN ARTS AND CRAFTS OF INDIA: This is an important section to which the Museum has been devoting all care and attention.

MUSEUM OF AGRICULTURE AND FORESTRY: This has been recognised by Government for a special grant-in-aid. Classes in agriculture for the students in standard IX were conducted with a view to ascertaining their aptitude for agriculture and the experiment was a success.

SPECIAL EXHIBITIONS: Two Exhibitions on Patents and Inventions were organised and the Exhibition "School-Boy and His Tools," had been organised. One more has been planned for "Trade Samples" and "A Lesson from the Festival of Britain 1951 is in view."

PUBLICATIONS DIVISION: The Museum brings out several useful booklets about the various displays and allied subjects.

TOURS AND EXCURSIONS: For encompassing wider vistas and for strengthening and reinforcing the knowledge of the school-boy, Tours and Excursions are arranged.

LECTURE SERIES: This programme proceeds and goes on throughout the year.

THE MUSEUM EDUCATION SCHOOL: The Museum has started a school for primary teachers, who are taught to see and show.

GRANTS: Grants from the Government of Bombay round about Rs. 20,000 and from Poona Municipal Corporation about Rs. 10,000.

LOCAL SPIRITUAL ASSEMBLY OF THE BAHAI OF POONA

P O Box No 8, National Hotel, Opp Railway Station, Poona

Administering the religious affairs of 94 local Baha'is centres in India, Pakistan & Burma

Objects: To establish universal peace and the oneness of mankind, in co-operation with fellow Baha'is in 100 other countries through the spiritual principles of the world religion proclaimed by Baha'u'llah in 1863.

POONA UNIVERSITY EMPLOYMENT BUREAU

Ganeshkhind, Poona 7.

The University of Poona conducts an efficient Employment Exchange for its graduates and undergraduates free of charge. Young men of high calibre and academic attainments are available for service in all branches of commerce, industry and Government work. Prospective employers are specially requested to send in their requirements to the Secretary.

Chairman: The Right Honourable Dr M. R. Jayakar, P O, M A, D O L, I L D.

CENTRAL HOSPITAL FOR MENTAL DISEASES

Yeravda, Poona 6

Dr I. K. Mujawar M.B.B.S., B.M.S., Class I, *Superintendent* (Res. Tel. 2514), Dr N. B. Bhilde, M.B.B.S., B.M.S., *Deputy Superintendent*. The institution admits patients suffering from mental diseases. The authorised accommodation is 1,247. The Hospital can be reached by bus or tonga from the Railway Station. Telephone No 2515.

BENEVOLENT INSTITUTIONS

HINGNE STREET-SHIKSHAN SAMSTHA

Hingne Budruk, Poona 4.

Founded 1896 by Dr Dhondo Keshav Karve for social and educational work.

Branches

Hingne Centre: - Mahilashram High School

Parvatibai Training College for Women

Anandibai Karve Primary School with a branch at Kothrud Village

Four hostels for pupils belonging to all castes and creeds rich and poor

Poona: Nursery School

Nursery Training Institution

Satara: High School for Girls

Wai: High School for Girls

Annual Expenditure Rs. 2,95,908

Deficit of about Rs. 22,557 to be met from contributions.

POONA ANATH VIDYARTHI GRIHA

624, Sadashiv, Poona 2 and Panchvati, Nasik.

The Society was founded in 1909, and registered in 1939. Its object is to provide for the education of poor students and carry on other philanthropic and charitable work of a similar nature. It conducts free boardings, a free high school (Poona), free reading rooms, a tuberculous sanatorium (Nasik) and some industrial concerns including the Lokangraha Press (Poona). This institution is in need of help and support from the general public. About 400 poor students receive free education.

INDIAN INSTITUTE OF SOCIAL ORDER

4, Boat Club Road, Poona 1.

Aims and Objects: - To spread the social teachings of the Catholic Church, to provide theoretical and practical training for social workers, to serve as a centre of information about Catholic social works.

Director, Rev. J. D'Souza.

NAGARIK SANGHATANA SAMITI

C/o Congress Bhawan, Poona 5

This is a social welfare organization

President - Mrs. Motilal Iranil

Vice President - Mrs. N. D. S. Captain

Hon. Secretaries - Dr. (Mrs.) Krishna Bai Nimbkar, N. D. Abhyankar

POONA SEVA SADAN SOCIETY

789-790, Sadashiv Peth, Poona City.

This Institution was started in October 1909 by the late Mrs. Ramabai Ranade, the late Mr. G. K. Devadhar and a few other ladies and gentlemen in Poona. It started work with two literary classes for only a few women.

Its principal objects are - (1) to impart to women instruction of a religious, literary, scientific, medical and industrial character and (2) to widen the range of their knowledge by various agencies and to make them self-reliant. The Society has a hostel in Poona accommodating nearly 125 women. There are 8 different departments. The total number of women on the rolls at the various centres of the society is about 3,000. The Society has conducted in the past the maternity homes, and infant welfare centres at places like Alibag, Sholapur, Ahmednagar, Nasik, Baramati, Bombay and Gwalior also. The institution is largely dependent upon public funds. It has branches at Poona, Sholapur and Nagpur.

POONA SCHOOL & HOME FOR THE BLIND

14, Koregaon Park, Poona.

The Poona School and Home for the Blind was started in 1935 under the auspices of the Blind Relief Association, Bombay. There are fifty blind boys who are given free boarding and lodging, education in Braille and handicrafts and in music, vocal and instrumental. There is also a small eye-clinic. It is situated at Koregaon Park in its own building constructed at a cost of Rs. 2½ lakhs. **Hon. Secretary** - Dr. S. R. Machave, C.P.S.

SASSOON HOSPITALS

Poona.

Founded in 1867 the hospitals comprise General, Special and Out-patient Departments and have 405 beds. Building now in progress will increase the accommodation to 805 beds.

Persons whose income is below Rs. 45/- p.m. are treated free. Special wards and a Nursing Home cater for the well-to-do. The Byramjee Jeejeebhoy Medical College affiliated to Poona University admits 80 students annually. The clinical studies are taken at the Sassoon Hospitals where Honorary staff conduct clinical teaching.

SERVANTS OF INDIA SOCIETY, POONA 4

The Servants of India Society, founded by the late G. K. Gokhale in 1905, is a body of men who are pledged to devote their life to the service of the country on such allowances as the Society may be able to give. Its objects are to train national missionaries for the service of India and to promote, by all constitutional means, the interests of the Indian people. Its present strength is 23 members. The Society has its headquarters in Poona with branches at Madras, Bombay, Allahabad and Nagpur, and other centres of work at Mangalore and Calicut in the Madras State, Shendurjana in Madhya Pradesh, Lucknow and Kottawara in U.P., Ambala in the Punjab (India), Cuttack and Balgaon in Orissa.

The Society's work is primarily political but as it believes in all-round progress of the Indian people, it has always laid equal emphasis on social, economic, educational, labour and depressed class activities and has worked in these fields. The political work is done through the legislatures, the non-official political organizations, deputations to foreign countries and propaganda.

In the field of social, economic and educational work, the Society's activities are equally varied. Some of its members are practically the founders of such institutions as the Poona Seva Sadan, Bombay and Madras Social Service Leagues, the U.P. Seva Samiti, and the Bhil Seva Mandal catering for the needs and uplift of the aboriginal tribes in Gujarat. The Society is also doing tribal welfare work in the Mirzapur Dist. (U.P.), Orissa and in Malabar on a considerable scale. During natural calamities such as floods, famine and epidemics the Society has done relief work in every part of India. During recent years several members of the Society have paid special attention to rural reconstruction, including rural education.

The Society is a non-communal, non-sectarian body which does not recognise any caste distinctions.

The Society conducts the *Hindustan*, an English daily issued from Nagpur. It has also published several pamphlets on public questions.

Dr. H. N. Kunzru is the President, and **D. V. Ambekar**, the Secretary.

ASSOCIATIONS

ALL-INDIA WOMEN'S CONFERENCE

Honorary General Secretary's Office : 759 31, Deccan Gymkhana, Poona 1.

Aims & Objects To work for a society based on the principles of social justice, personal integrity and equal rights and opportunities for all, to work actively for the general progress and welfare of women and children.

Office-Bearers :—*President*, Smt. Renuka Ray; *Vice-Presidents*, Smt. Lakshmi Menon, Smt. Mithan J. Lam, Smt. Kameshwariamma Kuppaswamy; Her Highness Maharani Sau Indirabai Holkar; Smt. Raksha Saran; Smt. Kitty Shiva Rao. *Honorary General Secretary*, Smt. Indira Maydeo. *Honorary General Treasurer*, Smt. M. S. H. Jhabwala.

BHARATA ITIHASA SAMSHODHAKA MANDALA, POONA

312-13, Sadashiv Peth, Poona City.

Founded in 1910 by the late Mr. V. K. Rajwade and Sardar K. C. Mehendale and registered under Act XXI of 1880 in 1910 with the object of collecting and conserving historical materials, erecting suitable buildings for preserving and exhibiting them, publishing such materials and other works of historical research and generally to encourage and foster critical study of and research in Indian history. Possesses the best collection of Persian and Marathi historical papers owned by any private society. Has a rare collection of about a thousand Indian paintings now housed in a special wing, maintains a coin cabinet and an armoury of old weapons. Has a section for copper plates, sculpture and archaeology and has a library of general, historical and rare books. Holds fortnightly and annual meetings where notes and papers based on original documents are presented, discussed and afterwards published. The Poona City Research Section of the Mandala does research work in the city and publishes findings. Has published several volumes of original historical letters and other historical and literary books whose total number exceeds 90. Conducts a quarterly journal devoted to research. Has done some excavation at Karad and got findings of the Second Century A.D. Work done mostly in Marathi. Celebrated the Silver Jubilee by calling the first All-India Modern History Congress in 1935. Has been receiving some grant-in-aid from the Government of Bombay and Central Government. Was supported by many Rajas, Juhagirdars, Sardars and the public. The late Dr. J. E. Abbot of New Jersey, U.S.A., left by will a gift of 30,000 dollars to the Mandala for buildings. Annual membership fees for various classes are Rs. 3, 6, 12, 25, 125, and 300 which can be compounded for life by paying ten times the annual subscription for a particular class in a single year. Effective members over 1,000; Annual income averages between 6 and 8 thousand rupees.

President : Malojirao Naik Nimbalkar (Minister of Public Works and Industries); *Vice-Presidents* : The Raja Saheb of Bhor, C. G. Agashe and Sardar G. B. Patwardhan; *Chairman* : Prof. D. V. Potdar, B.A.; *Secretaries* : C. G. Karve, B.A., Prof. R. V. Oturdkar, M.A., V. S. Chitale, M.A., B.T., T.D.; *Treasurer* : D. K. Sathe, B.Sc., B.A.

MAHRATTA CHAMBER OF COMMERCE AND INDUSTRIES

Mahratta Chamber of Commerce and Industries.—The Mahratta Chamber of Commerce and Industries is an institutional organisation representing the economic, commercial and industrial interests of Maharashtra.

Members, Funds and Properties.—The Chamber was established in 1934. Shreemant Sir Malojirao Naik Nimbalkar, Minister in Charge of Public Works, Bombay Government, and 40 other leading industrialists, businessmen, firms and Joint Stock Companies are among its patrons. The Chamber conducts a Marathi Commercial Monthly named the "Sampada" for the benefit of its members and others.

Object and Activities.—Its principal object is to work for the commercial and industrial development of Maharashtra as an integral part of India, through local initiative and effort, and to infuse confidence in the people of the area in the management of economic and financial institutions on modern lines. Among the more noteworthy achievements of the Chambers can be mentioned the promotion of the Bank of Maharashtra, a leading Maharashtra Joint Stock Bank conducted and managed by Maharashtrans, the encouragement of local enterprise in the field of general insurance business, successful advocacy for grant of post-war protection to cocoa-powder and cocoa-chocolate and hurricane lantern industries and protect the power-loom industry.

Every year this Chamber awards the G. S. Parkhe Industrial Merit Prizes and organises the G. P. Ogale Memorial Lecture on economic subjects and also awards to a student of the Brihan Maharashtra College of Commerce the B. S. Karnat Memorial Prize.

Government Recognition and Representations on Various Bodies.—

The Chamber has received the recognition of the Central as well as the Bombay State Governments. It is represented on the Board of Trustees of the Lord Reay Maharashtra Industrial Museum, Poona; the Advisory Committee of the Sub Regional Employment Exchange, Poona Area; the Zonal Railway Users' Consultative Committee of the Southern Railway; the Telephone Advisory Committee, Poona; Bombay Board of Communication, Bombay State; the Regional Post and Telegraph Advisory Committee, Bombay Circle; State Advisory Council of Industries, Bombay; Goods Shed Advisory Committee, Poona. It is one of the two Chambers named for electing two representatives on behalf of trade, industry and commerce on the Court of the Poona University.

POONA PRESS OWNERS' ASSOCIATION LTD.

714, Budhwar, Poona 2.

Established in 1918. This association works for the betterment of printing and allied industries. Present membership is eighty-four. It conducts a Marathi monthly "Mudran Prakash" which discusses problems relating to the industry and maintains a printers' library. It also conducts for the members Mudran Sahitya Bhandar—a shop of printers' requisites. *Office bearers*. D. D. Gangal (*President*); S. K. Padhye and H. M. Gadre (*Secretaries*).

MAHARASHTREYA MANDAL

Tilak Road, Poona 2.

(PHYSICAL CULTURE INSTITUTE)

Aims and Objects :—The aims and objects of the institution are to promote and spread physical education, imbibe an all-round sense of physical culture, cultivate sportsmanship and in general provide facilities to the younger generation for all kinds of athletic activities individually and collectively for all classes irrespective of caste, colour & creed.

Fees & Memberships.—Patron (Rs. 1,000), Life-member (Rs. 500), Benefactors (Rs. 250), Permanent Member (Rs. 101).

CLUBS

POONA CLUB LIMITED

6, Bund Garden Road, Poona.

GAMES & AMENITIES.—Tennis, Golf, Hockey, Badminton, Billiards, Cricket, Swimming, Squash, Dancing, Amateur Dramatics, Bridge, etc.

MEMBERSHIP.—(i) European and Indian gentlemen are eligible for Membership. (ii) All elections are subject to Ballot by the Committee.

ENTRANCE FEES.—Permanent Members Rs. 300, Temporary Members Rs. 360.

SUBSCRIPTIONS. Permanent Members, Rs. 20 per mensem; Temporary Members, Rs. 20 per mensem, Visiting Members, Rs. 2-8 per day.

President.—N. M. Kamte, M.B.E., I.F.

Vice-President.—B. B. Paymaster.

Honorary Treasurer.—D. K. Irani

Honorary Gen. Secretary. T. T. Kothavala.

POONA KENNEL CLUB

Poona.

(Registered under K. C. I. Regulations)

The Objects of the Club are to try :—

- to encourage and promote the welfare of "Man's best friend."
- to encourage the keeping, breeding, and importation of all varieties of pedigree dogs.
- to encourage owners, breeders, and exhibitors by holding local Championship Shows and offering prizes for competition.
- to encourage individual exhibitors to specialise as judges in their respective breeds.
- to take any other necessary and practical steps which will protect and advance the interests of dogs in India.

Particulars of membership, etc., from the Hon. Secretary.

DIOCESE OF POONA (Catholic Church)

His Excellency the Right Rev. Andrew D'Souza, D.D., Bishop of Poona.

Episcopal Curia: Rt. Rev. P. Gelsel, S.J., V.G., Superior Regular.

POONA

Cathedral of St. Patrick.—V. Rev. R. Gonsalves, V.F., Parish Priest.
St. Xavier's and St. Anne's.—Rev. G. Baader, S.J., Parish Priest,
Rev. J. B. Haas, S.J.

St. Vincent's High School.—Rev. A. Rehm, S.J., Principal
De Nobili College. Theological College for Jesuits. Rev. G. Conget,
S.J., Rector.

St. Joseph's Convent.—In charge of the Religious Congregation of
Jesus and Mary: Mother Mary Blandine, Lady Superior.

PURANDHAR

Chapel of the Sacred Heart.—Served from St. Xavier's, Poona.

SATARA

Chapel of Our Lady: Served from Bishop's House, Poona.

DHOND

Church of St. Sebastian.—Rev. J. Kastner

KIRKEE

Church of St. Ignatius.—Rev. P. J. Gonsalves, Parish Priest, Rev.
E. Fonseca and Rev. Joseph Rodrigues, Assts.

Convent of St. Joseph.—In charge of the Nuns of Our Lady of
Mount Carmel, Rev. Mother Mary Emmanuel, Lady Superior.

LONAVLA

Church of St. Joseph.—Rev. G. D'Souza

IGATPURI

Church of the Sacred Heart.—Rev. J. T. Meyer, S.J., Parish Priest.

Convent of St. Joseph.—In charge of the Daughters of the Cross, Rev.
Sr. Mary Bertha, Lady Superior.

DEOLALI CAMI

Chapel of St. Patrick.—Rev. K. O. Carter, Vicar.

NASIK

Chapel of the Holy Cross.—Served from Nasik Road.

NASIK ROAD

Chapel of St. Anne.—Rev. F. Benz, S.J., Vicar.

Convent of St. Philomena.—In charge of the Sisters of St. Francis of
Assisi, Sr. Maria Faustina, Lady Superior.

MANMAD

Church of St. Francis Xavier.—V. Rev. P. D'Cruz, V.F., Parish Priest

DEULIA

Church of St. Anne.—Served from Manmad.

BHUSAWAL

Church of the Sacred Heart.—Rev. F. Soares, Parish Priest

Convent of Our Lady of Fatima.—In charge of the Nuns of Mount
Carmel, Rev. Mother Mary Alexis, Lady Superior.

JALGAON, AMALNER, NANDURBAR. —Served from Bhusawal

AHMEDNAGAR

Church of St. John.—V. Rev. J. Stark, S.J., V.F., Parish Priest, Rev.
Joseph Gunter, S.J., Asst.

Church of St. Anne.—Served from St. John.

Convent of the Sacred Heart.—In charge of the Nuns of Mount Carmel,
Rev. Mother Mary Jacob, Lady Superior.

KENDAL (Ahmednagar District)

Church of St. Joseph.—Rev. E. Sturm, S.J.; Rev. F. Van Malderen,
Asst.

Weaving School.—Rev. M. Demmler, S.J.

VALAN (Ahmednagar District)

Church of the Sacred Heart.—Served from Kendal.

HARIQON (Ahmednagar District)

Chapel of St. Teresa.—Rev. J. Haldner, S.J.

RAHATA (Ahmednagar District)

Church of St. Francis Xavier.—Rev. I. Meyer, S.J.

SANGAMNER (Ahmednagar District)

Church of the Immaculate Conception.—Rev. J. Felix, S.J.

Convent of St. Anne.—In charge of the Ursulines, Rev. Sr. Nicolas
J. Thiel, Lady Superior

Dnyanamata High School.—Rev. J. Thiel, S.J., Superior

SONGAON (Ahmednagar District)

Church of the Sacred Heart.—Rev. R. Wasserer, S.J.

SHOLAPUR

Church of the Immaculate Conception.—Rev. I. Berger, Parish Priest

Convent of the Little Flower.—In charge of the Nuns of Mount Carmel.
Rev. Mother Mary Anselma, Lady Superior

HOTGI.—Visited from Sholapur.

PANDHARPUR AND KURDUWADI.—Visited from Miraj

PANORGANI

Church of St. Joseph.—Rev. M. Riklin, S.J., Vicar

Convent of St. Joseph.—In charge of the Daughters of the Cross,
Rev. Sr. Mary Cecilia, F.C., Lady Superior.

MIRAJ

Church of Our Lady of the Rosary.—Rev. P. Almeida, Vicar, Rev. F.
X. Layton, Asst.

KOLHAPUR

Church of St. Francis Xavier.—Served from Miraj.

ALNABAR (Dharwar)

Church of St. Anne.—Rev. J. Menezes, Parish Priest.

KENKERRY, GODOLI, GODGERI, &c.—Visited from Alnabar.

DHARWAR

Church of the Holy Cross.—Rev. P. Camacho, Vicar, P. Soares,
Asst.

Convent, S. B.—Rev. Sr. M. Regula, Lady Superior

TUMARIKOP (Dharwar)

Church of Our Lady of the Rosary.—Rev. N. D'Souza, Vicar

HUBLI

Church of St. Joseph.—Rev. J. Pinto, Parish Priest, Rev. P. De Sa, Asst.

St. Mary's High School.—Rev. D. Lobo, S.J., Principal.

Convent of the Sacred Heart.—In charge of the Daughters of the Cross,
Sr. Martha Magdalen, F.C., Lady Superior

GADAG

Church of St. Ignatius.—Rev. Owen McLaughlin, O.F.M., Vicar.

ASSANGI

Served from Guledgudd.

GULEDGUDD

Church of the Immaculate Conception.—Rev. L. Mascarenhas, Vicar

Convent, S. B.—Rev. Sister Pauline, Lady Superior

BIJAPUR

Chapel.—Served from Guledgudd.

SPINNING AND WVG. MILLS

RAJA BAHADUR MOTILAL POONA MILLS, LTD. (formerly
Poona Cotton & Silk Manufacturing Co., Ltd.), Spindles
16,732, Looms 582; Agents: Mukundlal Bansilal & Sons, Hamam
House, Hamam Street, Fort, Bombay. Mills at 5, Kennedy Road,
Poona.

RAJA RAGHUNATHRAO MILLS, Spindles 652, Looms 81; Owners
Maharashtra Textiles, Ltd. Office on Mill premises. Mills at Bhore
(Bhor State).

SHRI LAXMI TEXTILE MILLS LTD., Spindles 4,080; Mg. Agents:
K. B. Karandikar, D. B. Phatak, M. G. Desai. Office on Mill
premises. Mill at Bhore (Bhor State), via Poona.

COMMERCIAL FIRMS

Abbas Electric Works, 2065, Jam Mohamed Street, Poona.

Abhashoy Kadarbhoy, 129, Raviwar Peth, Poona.

ABDOOL REHMAN H. O., Furniture Merchants and House Agents, 313, Mahatma Gandhi Road, Poona. Established 1850 Branch at Mahabaleshwar

Anant Vaman & Co., Engineers and Contractors, Deccan Gymkhana, Poona.

The Bank of Maharashtra Ltd., P.O. Box No. 14, Poona City.

Bombay Cycle and Motor Poona Agency, 5, Arsenal Road, Poona, Sub Agents for Dodge Cars

The Bombay Garage (Poona) Ltd., 11, Elphinstone Road, Poona 1. Dealers for Chevrolet, Vauxhall Frigidaire.

Bombay Swadeshi Co-operative Stores Co. Ltd. (Biggest Departmental Stores in the Deccan), Mahatma Gandhi Road, Poona.

Central Cloth Stores, 484, Budhwar Peth, Poona.

CHINYOY & CO., D. A., Sanitary and Building Contractors, 314, Mahatma Gandhi Road, Poona 1

Chitrasala Printing Press, 1026, Sadashiv Peth, Poona 2. Printers, Publishers, Lithographers, Block makers and Type Foundry

Commercial Printing Press, East Street, Poona 1. Printers and Stationers.

Commonwealth Assurance Co., Ltd., 980, Sadashiv Peth, Poona. Transacts Life, Fire, Motor and Workmen's Compensation Business.

Cornaglia & Co., Messrs., 22, Wellesley Road, Poona.

The Crown Coal Co., Colliery Agents and Govt. Contractors, 334, Sardar Moodliar Road, Poona.

Damodaradas Bhagwandas Sugandhi, Messrs., 761, Raviwar Peth, Poona.

Date Type Foundry, 395/2B, Sadashiv Peth, Poona 2. Leading Type Founders

Deccan Agencies Ltd., 439, Raviwar Peth, Poona.

Deccan College Post Graduate and Research Institute, Poona, 6, Special facilities, Linguistics, Prehistory, Sociology

Deccan Paper Mills Co. Ltd., Laxmi Road, Poona. Managing Agents: Mehta Parekh & Co. Manufacturers of all varieties of paper—Speciality—Account Book, Ledger Paper and Rag Paper. Production 4000 tons yearly.

Deccan Talkies, Ferguson Road, Poona.

F. Cornaglia, 22-23, Wellesley Road, Poona 1.

Flashlight Paints Ltd., 278, Narayan, Poona.

Gagalbhai Hathibhai & Co., Wholesale and Retail Cloth Merchants, 585, Raviwar Peth, Poona 2.

Gandhi & Co., All kinds of Flowers and Vegetable Seeds Merchants, Importers, Exporters and Dealers in all Garden Requisites and Commission Agents, 40, Shukrawar, Poona 2.

M. L. DOSANI, Biggest Stockist of Lubricants Oils. 518, Nana Peth, Poona City. Telegram: "DOSCO."

Indian Hume Pipe Company Ltd., Barne Road, Poona.

Indian Maternity and Child Welfare Centre, Kirkee, Poona.

Indian Real Estate Corporation Ltd., 1180, Raviwar Peth, Poona.

International Agricultural Industries, Vegetable, Flower, Field and Timber Seeds Growers, Importers, Exporters and dealers in fertilisers, garden implements, Machinery, Insecticides, I.C.I. Representatives, near Reay Market, Poona 2. Branch: Ahmednagar. Tel. "Igrow"—Poona.

Ismail & Co., 12, Elphinstone Road, Poona. Jaffer Jessuff, Furnishers and House Agents, East Street, Poona.

Jawa Distilleries & Sugar Factories Ltd., P.O. Box No. 537, Poona 2.

Kalyan Company, 460, Budhwar, P.O. Box No. 537, Poona 2.

Kamalyalal Purshottamdas & Brothers, Laxmi Road, Poona.

Kamchand Dayal & Sons, 538, Centre Street, Poona.

Kamlashankar P. Joshi, Mill, Gin Stores Suppliers, 727, Bhavkar Garage, opp. Shivaji Statue, Shivaji Nagar, Poona 5.

Karandikar Rajhansa & Co., 87, Mahatma Gandhi Road, Poona 1. Stationers and Printers

Karwa & Co., 1180, Raviwar Peth, Poona.

Kirkee Water Works, Bombay Road, Poona.

Kuckreja & Co., Mahatma Gandhi Road, Poona.

L. Ebrahim & Co., Kerosene Oil Merchants, 343, Raviwar Peth, Poona.

Laxmi Motor Service, 182, Shivaji Nagar, Poona.

Lokasangraha Works, 624 Sadashiv, Poona 2

Long Life Insurance Co., 180, Budhwar Peth, Poona.

Loyal Motor Service, 267, Budhwar Peth, Poona.

Macedo & Co., Chemists and Druggists, Budhwar Peth and Mahatma Gandhi Road, Poona.

Mahadeo & Co., Chemists, near City Post Office, 504, Sadashiv Peth, Poona.

Modern Drug House, 432, Narayan, Poona 2

Modern Hindustan Food Products Co., Ltd., 13, Koregaon Park, Poona.

Morris and Lucas, Service Station, East Street, Poona.

Motichand & Co., Deccan Gymkhana, Poona.

Motor Owners' Mutual Assurance Co., Ltd., 974, Laxmi Road, Poona.

Nagindas Dayal & Co., 275-76, Main Street, Poona 1.

N. COOPER AND COMPANY, Seeds, Bulbs, Farm and Garden Implements Merchants, No. 3 Queen's Garden, Poona

New Western Motor Transport Ltd., 32, Shankerseth Road, Poona.

Nusservanji Sorabji & Co., 94, Mahatma Gandhi Road, Poona.

Optique (India), 337, Budhwar Peth, Poona 2.

Oriental Government Security Life Assurance Co., Ltd., Laxmi Road, Poona.

Painter Bedekar, A. G., Budhwar Chowk, Poona 2.

Pallonjee Eduljee & Sons, 326, Mahatma Gandhi Road, Poona.

The Panchgani Motor Service, 13, Arsenal Road, Poona.

Paranjpe & Sons, 495, Shanwar Peth, Poona

Pioneer Dyeing House Ltd., 625, Sadashiv Peth, Poona 2.

The Poona Armoury, Mahatma Gandhi Road, Poona.

Poona Automobiles, 177, Laxmi Road, Poona.

Poona Central Co-operative Bank Ltd., Poona 2.

Poona Cheap Stores, 256, Mahatma Gandhi Road, Poona 1 (Rockery, Cutlery, Stoves, Cookers and Plasticware).

Poona Drug Stores, 324, Mahatma Gandhi Road, Poona.

Poona Electric & Radio Stores, 2, Shukrawar Peth, Poona.

Poona Hardware Corporation, 6, Mahatma Gandhi Road, Poona.

The Presidency Industrial Bank Ltd., 10, Budhwar Peth, Poona City.

Ranade & Sons, Ltd., 101, Shukrawar Peth, Poona.

Rashid Khodadad & Co., 1, East Street, Poona.

Reliable Iron and Hardware Stores, 192, Raviwar Peth, Poona.

Ruston's Connaught Motors, Bund Garden Road, Poona.

Sanghavi Moti Bawa & Co., Bungalow No. 6, Plot No. 80, Shivaji Nagar, Poona.

SATHE BISCUIT & CHOCOLATE CO. LTD., 820, Bhawani Peth, Poona 2

Manufacturers of quality Biscuits, Cocoa and Chocolates

Sathe Sports, Sports Outfitters, Deccan Gymkhana, Poona.

Savley & Company, Purandare Colony, Poona 2

Shah Motaji Raghunath & Co., Bhavanipeth, Poona.

Shahabad Cement Depot, Cement, Hardware & General Merchants, 655, Sachapir Street, Poona 1.

Shahabad Stone Co., Sanitary Wares and Paint Merchants, 1723, Shukrawar Peth, Poona.

Shanker Bainchandra & Brothers, Main Street, Poona.

Shri Siddhar Electric Co., 480, Budhwar Peth, Poona.

Silver Jubilee Motors Ltd., Arsenal Road, Poona.

South British Insurance Co., East Street, Poona.

Southern Knitting Works Ltd., 264, Shanwar Peth, Poona.

Standard Vacuum Oil Co., Ltd., Kennedy Road, Poona.

Studio International, 37, Mahatma Gandhi Road, Poona.

Tiffany Cycle Co., 582, Sachapir Street, Poona.

Vishu Ravaji Kulkarni, Wholesale Merchants and Commission Agents, 21, Bhawani Peth, Poona 2.

Vishwanath & Co., Tile and Stone Merchants, 1735, Shukrawar Peth, Poona.

V. R. RANADE & SONS LTD., Engineers and Contractors, 101, Shukrawar Peth, Poona 2. Builders of Roads, Railways, E.C.C. Structures and all Civil Engineering Works.

Vulcan Insurance Co., 179, Laxmi Road, Poona.

Western India Automobiles Ltd., Laxmi Road, Poona.

William & Co., East Street, Poona.

CLASSIFIED LIST OF TRADES AND PROFESSIONS

AERATED WATER MANUFACTURERS

West End Soda Factory, 786, Charbawadi, Poona 1.

ARMS AND AMMUNITION DEALERS

Naraindas Deepchand & Sons, 7, Arsenal Road, Poona (Cantt.).
The Poona Armoury, Mahatma Gandhi Road, Poona 1.

CHEMISTS AND DRUGGISTS

D. Macedo & Co., Chemists & Druggists, 250/51, Mahatma Gandhi Road and 251, Budhwar Peth, Poona.
Kalyan Company, 460, Budhwar Peth, P. O. Box No. 537, Poona 2.
Madhav & Co., Deccan Gymkhana, Poona 4
N. Mahadeo & Co., Chemists, near City Post Office, Poona
S. P. Gokhale & Co., 815, Sadashiv Peth, P.O. Box No. 548, Poona 2

CLOTH MERCHANTS

General Cloth Stores, Wholesale and Retail Dealers, Government Suppliers and Commission Agents, 484, Budhwar Peth, Poona.
Gopalbhai Hathibhai & Co., Wholesale and Retail Cloth Merchants, Raviwar Peth, Poona 2.

Indo-Foreign Stores, 289/292, Mahatma Gandhi Road, Camp, Poona 1

MAHARASHTRA STORES, 463, Budhwar Peth, Poona 2.
Pioneer Dyeing House Ltd., 625, Sadashiv Peth, Poona 2.

CONFECTIONERS

CHUGAL CONFECTIONERY WORKS, Manufacturers of High Class Confectionery, Toffee, etc. 486, Guruwar (Vetal) Peth, Poona 2.

ESTD. 1948	Tel. "SWEDROPS"
	Phone 3568 (2 Lines)
MARK OF (J P) QUALITY	
You can Taste the Fruit in J P Quality Sweets	
Made with	
Refined Sugar—Fresh Fruit Flavours—Glucose—Life Vital Force	
J. P. MANGATRAM & CO.	
Manufacturers of—	
High Class Confectionery, Toffee, Sugar Coated Goods and Lozenges.	
452, Guruwar (Vetal) Peth, Poona 2.	

J. P. PEPPERMINT WORKS, Manufacturers of High Class Peppermint Lozenges & Toffee, 238-A, Guruwar (Vetal) Peth, Poona 2.

CYCLE IMPORTERS, DEALERS & PART SUPPLIERS

Connaught Cycle Co., 5, Connaught Road, Poona 1.

CROCKERY

Nagindas Dayal & Co., 275-76, Main Street, Poona 1.

DISINFECTANTS & INSECTICIDES MANUFACTURERS

Kalyan Company, 460, Budhwar, P.O. Box No. 537, Poona 2.
Magora Chemical Co. Ltd., P. O. Box No. 596, Hira Bang, Poona 2

ENVELOPES

SAVLEY & CO., Parandare Colony, Poona 2.

FURNITURE DEALERS & MERCHANTS

ABDOOL REHMAN, H. O., Furniture Merchants and House Agents, 313, Mahatma Gandhi Road, Poona, Established 1850. Branch at Mahabaleshwar.
Jaffer Jessuff, Furnisher and House Agent, East Street, Poona.

HARDWARE MFRS. & MERCHANTS

Hakimuddin Ebrahim Allanabanda, Banda House, 378, Raviwar Peth, Poona City No. 2.

J. ERRERA & SONS, Manufacturers of Builders' Hardware 843-844, Sholapur Bazar, Poona 1. Bombay Office: 79, Meadows Street, Fort, Bombay.
Poona Commercial Corporation, 379, Raviwar Peth, Poona 2.

HOSIERY MANUFACTURERS & DEALERS

MAHARASHTRA STORES, 463, Budhwar Peth, Poona 2.

HOSPITAL SundRIES (PLASTICS)

SWASTIK PLASTIC PRODUCTS, 513, Shanwar Peth, Poona 2.
Manufacturers of Glycerine Syringes, Douche Fitting Hodge, Pessaries, etc., etc. Phone : 2640. Grams : "PLASTICS."

HOUSE & ESTATE AGENTS

ABDOOL REHMAN, H. O., Furniture Merchants and House Agents, 313, Mahatma Gandhi Road, Poona, Established 1850. Branch at Mahabaleshwar.

IMPORT & EXPORT FIRMS

POONA COMMERCIAL CORPORATION, 379, Raviwar Peth, Poona 2.

INSURANCE COMPANIES

Indian Progressive Insurance Co., Ltd., Laxmi Road, Kunte Chawk Poona 2.

METAL MANUFACTURERS & MERCHANTS

PATENT TIFFIN CARRIER, SANGHVI CO., THE, 110, Shiva-jinagar, Poona 8.

Surajmal K. Sanghvi & Co., 384, Vetal Peth, Poona 2.

NEWSPAPERS & PERIODICALS

"AKHAND BHARAT"	Weekly	Marathi
"ARTHA"	Do.	Do.
"BHARAT"	Daily	Do.
"BHARATIYA PRAVASI"	Fortnightly	Do.
"CHHAYA"	Weekly	Do.
"CHITRAMAYA JAGAT"	Monthly	Do.
"CHITRAMAYA JAGAT"	Do.	Gujarati
"COMMONWEAL"	Weekly	English
"DALIT BANDHU"	Do.	Marathi.
"DEVARSHI PRAKASH"	Quarterly	Do.
"DINRANDBHU"	Weekly	Anglo-Marathi.
"DNYAN PRAKASH"	Daily	Marathi.
"DNYANODAYA"	Weekly	English.
"EASTERN TIDINGS"	Fortnightly	Do.
"GOVARDHAN"	Monthly	Marathi.
"GRAMRAJYA"	Do.	Do.
"INDIAN ARMY ORDANCE CORPS GAZETTE"	Do.	English
"JAIN JYOTI"	Monthly	Marathi
"JANASATTA"	Weekly	Do.
"JANAVANI"	Do.	Do.
"KAL"	Daily	Do.
"KAMGARSHAKTI"	Weekly	Do.
"LOKARAJYA"	Daily	Marathi.
"LOKASHAKTI"	Do.	Do.
"MAHATMA"	Monthly	Do.
"MANVANTAR"	Daily	Marathi
"MARATHI DUYANODAYA"	Weekly	Do.
"MAZDUR"	Do.	Do.
"NALVAZHI (GOOD WAY)"	Monthly	Tamil
"NASIM-E-SAHER"	Do.	Gujarati.
"PRABHAT"	Daily & Weekly	Marathi.
"PRIZE WINNER"	Fortnightly	English.
"RAJASTHANI VIR"	Do.	Hindi.
"SAKAL"	Daily	Marathi.
"SAMACHAR"	Do.	Do.

SAMPADA, 587-9, Shukrawar Peth, Tilak Road, Poona 2. An influential Commercial Marathi Monthly conducted by the Maharashtra Chamber of Commerce and Industries, Poona 2.

"SANGHATITA"		
"MAHARASHTRA"	Monthly	Marathi.
"SARASWAT JIVAN"	Do.	Gujarati.
"SUNDAY SAKAL"	Weekly	Marathi.
"TARUN MAHARASHTRA"	Do.	Do.
"UNNATI"	Do.	Hindi.
"VYAPARI"		
"MAHARASHTRA"	Fortnightly	Marathi.
"WAE CRY"	Monthly	English.
"YUGANTAR"	Weekly	Marathi.
"ZANAKAR"	Do.	Do.

PAINTERS

Painter Bedekar & Co., Budhwar Chowk, Poona 2.

PAINTS, ENAMELS & VARNISHES

Flashlight Paints Ltd., Office : 278, Narayan, Poona 2.
Shabad Stone Co., 1723, Shukrawar Peth, Poona.

PHOTOGRAPHERS & PHOTOGRAPHIC MATERIALS DEALERS

Bhat's Photo Stores and Studios, Laxmi Road, Poona 2.
Dikshit's Photo Studio, Tilak Road, Poona 2.

PHOTOGRAPHIC MATERIALS IMPORTERS AND DEALERS

T. KRISHNA & CO., Dealers in Photographic Materials,
840, Main Street, Poona 1. City Branch: 88, Laxmi Road,
Poona 2.

PRESENTATION ARTICLES

Nagindas Dayal & Co., 275-76, Main Street, Poona 1.

PROVISION MERCHANTS

DORABJEE & CO., Moledina Road, Poona 1.

RUBBER GOODS MANUFACTURERS

SWASTIK RUBBER PRODUCTS LTD., Kirkee, Poona 3.
Cables: "SWASTIRUB." Speciality in Rubber Toys,
Rubber Thread and Motor Parts.

SEED MERCHANTS

Pestonjee P. Porcha & Sons, Seed Merchants, P. O. Box 55,
8, Napier Road, Poona 1.

TAILORS & OUTFITTERS

The Vijay Tailoring & Cutting College, Budhwar Chowk, Poona 2.

RATNAGIRI DISTRICT

Headquarters: Ratnagiri.

Talukas: Dapoli, Mandangad, Khed, Chiplun, Guhagar, Sangameshwar, Ratnagiri, Rajapur, Devgad, Sawantwadi, Malwan.

Pedes: Lanja, Vengurla, Kankavli, Kudal.

Ratnagiri District is bounded on the north by the Kolaba District; on the east by Satara North and Kolhapur Districts; on the south by the Portuguese possessions of Goa; and on the west by the Arabian Sea. By the merger of the Sawantwadi State the area and population of the District have greatly increased. The length of the District is about 230 miles, and the breadth between 30 and 40. The District may be described generally as rocky and rugged. Near the coast the land consists of a bare elevated plateau, intersected by numerous creeks and navigable rivers flowing between steep hills. These rivers have along their banks the chief sea-ports and almost all the fertile land of the District. Ten miles or so inland, the country becomes more open; but going in still farther, it is occupied by spurs of the Sahyadri hills. This range itself forms a continuous eastern boundary, running parallel to the coast, at distances varying from 30 to 45 miles. It varies in height from 2,000 to 3,000 feet, though some of the peaks attain an altitude of 4,000 feet. The banks of the rivers produce fine crops of rice in the rains, and of pulse in the cold weather and some of the inland valleys exhibit the utmost fertility even though the soil is, as a rule, poor and barren. The District is densely populated and a large proportion migrate to Bombay in the fair season. The hill slopes are flooded with plantation of Alphonso and other mango grafts. Alphonso mango, the king of fruits, is exported on a very large scale to Bombay and other markets and forms the main money crop of the District. Ratnagiri, the headquarters town, is open and faces the sea. There is no railway connection, and communication is by steamer with Bombay and by motor with Kolhapur 82 miles away. With the construction of the Bombay-Konkan-Goa road by bridging all the rivers and creeks on the way, Ratnagiri is connected with Bombay by direct bus service via Chiplun, Mahad, Dharamtar, etc. This transport service is now taken over by the State. The area of the District is 6020.9 sq miles. The population of the District (according to the 1951 census) is 1,711,964.

The long coastline of the District has some excellent well-protected ports, which may form important naval centres in the future. Schemes for establishing a naval school and an aerodrome at Ratnagiri are already under consideration.

Ratnagiri, Vengurla, Malwan, Sawantwadi and Chiplun have now all electrical fittings.

OFFICIALS

Collector and District Magistrate, S. B. Kazi, I.A.S.
District Agricultural Officer, G. V. Wazalwar, B.Ag.
Assistant Registrar, Co-operative Societies, A. R. Sonawane, B.A., LL.B.
District Co-operative Officer, V. B. Mudkavi, B.A., LL.B., G.D.C.
District Officer for Industrial Co-operative and Village Industries, V. A. Chavan, B.A., LL.B.
District Engineer, B. C. Dhruva, B.E.
District Medical Officer, S. M. Dave, B.M.S.
District Sales Tax Officer, G. G. Nirgudkar.
District and Sessions Judge, V. G. Wagle, LL.M.
District Superintendent of Police, N. R. Bidli.
Income-tax Officer, M. B. Mankar.
Inspector of Schools, G. J. Gunjikar, B.A., B.T.
Asst. Collector of Central Excise, K. D. Mudbhaskar, M.Sc.
Supdt. of Prohibition and Excise, R. L. Tawade.
Supdt. of Post Offices, M. R. Shrivall.

Backward Class Welfare Officer, S. V. Galkwad, B.A.

Project Officer, Mandangad and Dapoli, A. D. Vichare, B.A., LL.B.

Special Khadi Abolition Deputy Collector, J. V. Parulekar, B.A.

Supdt. of Fisheries (Coasts), V. P. Kale, M.Sc.

Supdt., Land Records, V. H. Sangam.

District Inspector, Land Records, J. B. Patil.

Assistant Engineer (E. & M.), Electric Grid Sub-Division, B. V. Kelkar, B.Sc. (Engineering).

EDUCATIONAL INSTITUTIONS

R. P. Gogate College, Ratnagiri: Principal, Y. D. Bhawe, M.A., B.T.

Training College for Men, Ratnagiri (Govt.): Principal, D. R. Abhyankar, B.A., B.T.

Training College for Men, Mitnbaon (Non-Govt.): Principal, R. N. Teredesai, B.A., B.T.

Training College for Women, Malwan (Non-Govt.): Principal, V. A. Angehekar, B.A., B.T.

MAHILA SHIVAN KALA MANDIR—MALWAN.—The institution was founded in October 1942 by Mrs. Sitabai Mayekar to impart Industrial Education including tailoring, art, fancy work, embroidery and drawing.

The institution has been recognised by Government educational and industrial departments, District Local Board, Rural Development Board and Malwan Municipality for purposes of grant.

The institution is controlled by a board of advisers consisting of well-known citizens of Malwan.

Mrs. Sitabai Vasanttrao Mayekar has been Lady Superintendent from its inception.

The Board of Advisers: Dr. S. S. Kudalkar, M.B.B.S., Dr. S. B. Manjrekar, L.C.P. & S.; V. D. Apté, B.A., LL.B., Advocate; Mrs. Sushila P. Pal (Inamdar), Mrs. Sitabai V. Mayekar, F.G.T.C. (Rom.), R. B. Pednekar, S. V. Phatak, B.A., S.T.C.; Mrs. Shantabai Saple.

Govt. School of Industry, Ratnagiri: Supdt.—B. K. Tilak.

NEWSPAPERS & PERIODICALS

"AGHADI."—Weekly—Marathi.

"AICCUAL."—Weekly—Marathi.

"BALSANMITRA."—Fortnightly—Marathi.

"BALVANT."—Weekly—Marathi.

"CHANDRODAYA."—Weekly—Marathi.

"JANYOUG."—Weekly—Marathi.

"KIRAT."—Weekly—Marathi.

"LOKASEWA."—Weekly—Marathi.

"PRAKASH."—Weekly—Marathi.

"RATNAKAR."—Weekly—Marathi.

"SAMAJSATTA."—Weekly—Marathi.

"SATYASHODHAK."—Weekly—Marathi.

"SEWAK."—Weekly—Marathi.

"SATYAPRAKASH."—Weekly—Marathi.

"VAINATEYA."—Weekly—Marathi.

TRADES & PROFESSIONS

Narayan Balshet Gandhi.—Ratnagiri.

The Hari Narayan Rice, Flour and Oil Mills.—Ratnagiri.

R. B. Shirke Brothers.—Opp. Collectorate, Ratnagiri.

SABARKANTHA DISTRICT

Headquarters : Himatnagar.

Talukas or Mahals : Himatnagar, Prantij, Modasa, Rayad, Idar, Khedbrahma, Bhiloda, Meghraj, Vijaynagar, Malpur.

The Sabarkantha District is comprised of the former Idar State and 26 other smaller States, together with Prantij Taluka and Modasa Mahal, formerly in Ahmedabad District. It is bounded on the north by Sirohi and Mewar States (both in Rajasthan), on the south by Ahmedabad and Kalia Districts, on the east by Dungarpur, Banswara and Mewar States of Rajasthan and Lunawada and Balasinor States, now merged with the Panch Mahals and Kaira Districts, and on the west by the new Mehsana District of the former Baroda and Danta States.

The Aravalli Hills border on the north and east. The chief rivers in the District are Sabarmati, Hathmati, Meshwa, Vartak, Mazum and Khari.

The area of Sabarkantha is about 2,845 sq. miles and the population 684,017 according to the 1951 census. Himatnagar, the headquarters of the District, was the capital of the former State of Idar and is situated at a distance of 55 miles from Ahmedabad on the Ahmedabad Prantij section, a metre gauge line, on the Western Rly., which leads upto Khedbrahma, a place of pilgrimage 90 miles from Ahmedabad. Idar, Khedbrahma, Shamlaji, Bhavnath, etc. are places of pilgrimage and historical importance.

The average yearly rainfall is between 25 to 30 inches. About 95 per cent. of the land is dependent wholly on rain water, while only about five per cent. is irrigated by water from wells, streams and canals.

The principal crops are bajri, maize, paddy, jawar, cotton, wheat, sesamum and groundnut of which maize, bajri, groundnut and cotton cover the larger area under cultivation. About 30 per cent. of the people consist of Bhils and other backward classes. The main

occupation of the people is agriculture. The north and north-eastern parts of the District are hilly tracts and abound in jungle. Except for a few ginning factories and oil mills, the District is very backward in industry.

On the Ahmedabad Prantij section of the Western Railway, are situated the following District and Taluka headquarters towns, viz. Prantij, Himatnagar, Idar and Khedbrahma. The rest of the taluka headquarters are connected by buses which ply only during the fair season and most of the roads are katcha and sandy.

There are five high schools in the District, 11 middle schools, 350 Government primary schools and 195 Grant-in-aid primary schools. For purposes of medical relief, there is a civil hospital in Himatnagar and 26 dispensaries in the District besides many private dispensaries.

OFFICIALS

Collector and District Magistrate, G. H. Lalvani, I.A.S.
District Superintendent of Police, T. M. Kadambande
Executive Engineer, D. J. Mehta, B.E.
Civil Surgeon, Dr. B. J. Mansharamani, M.B.B.S.
Sub-Divisional Forest Officer, M. S. Khnachandani, B.A.
District Agricultural Officer, K. S. Patel, B.A.
Educational Inspector, P. M. Joshi, M.A., B.T.
Civil Judge, K. N. Allimchandani, B.A., LL.B.
(For judicial purposes Sabarkantha and Ahmedabad are one District)

DISTRICT DEVELOPMENT BOARD

Collector and Chairman : G. H. Lalvani
Vice-Chairman : C. D. Patel.
Hon. Secretary : A. G. Parikh.

SATARA NORTH DISTRICT

Headquarters : Satara

Talukas and Mahals : Wai, Satara, Koregaon, Khatau, Karad, Patan, Jauli, Man, Phaltan, Khandala, Mahabaleshwar.

Satara North District belongs to the Deccan Division of Bombay State. On the north it is bounded by the former State of Bhor and Poona District, on the south by Walva Taluka and Shirala Mahal, on the east by the Sholapur District, and on the west by the Sahyadri Hills. The former States of Phaltan and Aundh are now merged into the Satara Collectorate.

The population of the District according to 1951 census is 1,175,909 and its area 4,084 sq. miles. The language spoken is Marathi.

From Mahabaleshwar in the north-west corner of the District, 4,717 feet above the sea, start two hill ranges of equal height and nearly at right angles to each other—one the main range of the Sahyadri running towards the south and forming the western boundaries of the District and the other, the Mahadeo range of hills, which, going first in an easterly and then a south-easterly direction, extends towards the eastern boundary, where it sinks gradually into the plain. These hills throw out numerous spurs over the District, forming the valleys of the several streams which make up the head-waters of the Krishna, one of the largest rivers in South India. Near Mahabaleshwar and in the Koyna valley the hills are the highest in the District and are mostly very well wooded.

The soils of the District belong to the three main classes—red in the hills and black and light coloured in the plains. The black soil, especially along the valley of the Krishna, is fertile but scanty rainfall makes part of Khandala tract in Wai Taluka and that part of the District east of the railway most likely to suffer from failure of crops.

AGRICULTURE

The chief agricultural produce are jawar and bajri. Others include ragi, wari, wheat, rice and pulses. Cash crops which are a minor item include tobacco, groundnut and sugar-cane. Some market gardening is done at Mahabaleshwar and Panchgani for Poona and Bombay markets. Mango, jack and guava are grown for their fruit.

Forests in the Sahyadri range have considerable store of timber and fire-wood. Sandalwood and bamboo are occasionally found.

Government have undertaken the Koyna river project envisaging the construction of a gigantic Dam close to Helwak village (Patan Taluka) water from which can be used for agricultural purposes by

people from Satara, Sholapur and Bijapur Districts and for generating electricity for industrial purposes. It is estimated that the dam will take about ten years to complete.

Satara and Karad Municipalities have sanctioned the raising of large loans for their water schemes. Government has advanced loans for sinking wells for agricultural and drinking purposes. The Satara District Local Board was the first in the State to increase local fund cess from two to three annas to meet growing expenditure on education, sanitation, etc.

Satara North being chiefly agricultural the Government High School at Satara has been converted into an Agricultural High School. Industrial and Agricultural Model Schools have also been started at Satara and Borgaon respectively, under State management. Most Taluka towns have High Schools and practically every village has a Free Primary School run with Grant-in-aid. The 'Rayat Shikshana Sanstha', Satara, is doing useful work in this sphere with its Free Cosmopolitan Boarding at Satara, accommodating about four hundred students mostly from rural areas.

Satara 'Nagar Vachnalaya' (Library) is open to the public free of charge under the new State Scheme on an experimental basis on certain terms and conditions. Physical education receives due consideration both from public and Government and the Home Guards organisation is taking firm root in the District. This being a martial District, Free Boardings are run by Government at Satara and Karad for the sons and dependents of the Defence Forces in the Army, Navy and Air Forces. The After Care Association and 'The Soldiers' Board' are doing useful work under the supervision of the Collector.

COMMUNICATIONS

The main line of communications is the Southern Railway which traverses the centre of the District for about 90 miles from north to south. Satara, the headquarters, is about 10 miles from Satara Road Station. Then there is the Poona-Bangalore Road, crossing the District from north to south. Other important roads include the Wathar-Mahabaleshwar Road via Wai and Panchgani. Also east to west are the Satara-Pandharpur and the Karad-Chiplun Roads. There are numerous feeder roads for the railway. The Willingdon Bridge at Mahuli near Satara has greatly facilitated traffic to Pandharpur and the new bridge over the Krishna at Karad has promoted trade between Chiplun in Ratnagiri District and trade centres on the Southern Railway.

INDUSTRIES

There is a large engineering concern manufacturing farm implements, machine tools, and textile machinery at Satara Road Station. An engineering concern has recently been established at Udyamnagar near Karad while the one at Karad proper has been expanded with State aid. At Ogalewadi near Karad are the well-known glass works. The Sugar Works at Phaltan also deserve special mention. The Plastic Products of India, Ltd., Satara, a new industry, in the Deccan, has secured State aid.

The District is trying to maintain the lead it has once achieved in Co-operative Movement. The total number of societies (including 219 borrowing) was 612 on the 30th of June 1950. The amount of loans to agriculturist exceeded seven lakhs of Rupees and the membership stood at 2,809. A District Central Co-operative Bank was recently opened at Satara.

The Grow More Food Campaign is making headway. Over 150 oil engines are working in the District. More than 80 Forest Nurseries are functioning in the District and they have recently supplied thousands of useful saplings to villages. Gun clubs have been founded in a large number of villages to protect crops from wild beasts.

Supply of good seed and modern manure, digging of compost manure pits, and Agriculture exhibitions deserve special mention. The Village Development Board with even distribution of officials and non-officials is working with zeal in this behalf.

The District has taken a lead in starting "Gram Sevak Dal", i.e. Village Service Corps to further the cause of the Development Association and a score of villages have been selected for intense work.

Besides the Training Cadet Corps, the scout movement has been revived under the name "Bharat Scout and Guide Association" under non-official guidance.

The State Transport Bus Corporation has erected a new bus station at Hajeri Mal at the east end of Satara City, on the Poona-Bangalore road with a spacious waiting-room, a refreshment hall and other amenities for the travelling public. It was inaugurated on the 15th of December 1950. The State Transport buses are now plying on all important roads in the District.

OFFICIALS

Collector and District Magistrate, vacant.

District Agricultural Officer, P. V. Wagle, M.A.G.

Asstt. Registrar of Co-operative Societies, S. S. Errum, B.A., LL.B., G.D.C.A.

Executive Engineer, N. L. Itchaporia, B.E., A.M.I.E. (India).

Divisional Forest Officer, K. P. Karamchandani, B.Sc. (Hons), A.I.S.C.

District Health Officer, Dr. V. D. Shah, M.B.B.S., D.Ph.

Civil Surgeon, Dr. A. E. Fernandes, M.D.

District and Sessions Judge, vacant.

District Superintendent of Police, R. K. Ralsinghani, B.A., LL.B., I.P.

Divisional Veterinary Officer, S. H. Bapat, G.B.V.O.

District Educational Officer, B. R. Kolhatkar, M.A., T.D. (Lond.).

District Publicity Officer, S. G. Gupta.

Backward Class Welfare Officer, D. N. Murdeshwar, B.A.

SATARA DISTRICT LOCAL BOARD

The Satara District Local Board was divided into North and South District Boards on 1st August 1949. The Board is composed of 41 members all elected, of whom 31 are general, six scheduled classes, three Muslims and one woman. It has an income of Rs. 11,35,000 and an expenditure of Rs. 11,82,000. There are 200 miles of metalled roads, 445 miles of unmetalled roads and 190 miles of approach roads, 753 schools having 116,000 pupils, six allopathic, 17 Ayurvedic, 17 subsidised and 10 veterinary dispensaries. The Board manufactures ayurvedic drugs for its use. There are also 67 village panchayats.

SATARA CITY BOROUGH MUNICIPALITY

Established on the 1st August 1853, the municipality has an area of 13 sq. miles, a population of 87,887 (according to 1951 census), and 23 elected members including four Muslims, three Harijans and one woman. The main sources of income are octroi, house tax, water rates, sanitary cess, toll tax, fees, etc.

It gets a Government grant of Rs. 1,46,184 and has an expenditure of Rs. 5,00,000. Settled and chlorinated water is brought from Kas hill about 15 miles away. A new scheme costing Rs. 14 lakhs for bringing filtered water has been sanctioned. Streets are lit partly by electric lights and the remaining by petrolmax. Free and compulsory primary education was introduced as early as 1921.

HOSPITALS

BHADKAMKAR CHARITABLE HOSPITAL, KARAD (B93D).

'Bhadkamkar Charitable Hospital', a unique institution in Karad, started on the occasion of 61st birthday (May 1943) of a leading physician of Maharashtra, is open to all castes, creeds, communities alike. Equipped with ultra-violet lamp, Pathological Laboratory, maternity ward, minor surgical operation theatre, ophthalmic room, the hospital since its inception benefited over 50,000 patients.

A T. B. Sanatorium is a crying need and the people of this District residing elsewhere are requested to contribute liberally. The building project is in hand.

Hon. G. Mavalankar, Speaker, Parliament, Mr. N. V. Gadgil, Dr. Mhatre, A.D.P.N., Sir J. A. Madan among others, have praised this institution. Mahatma Gandhi has eulogised its Secretary for the institution's humanitarian work, saying "There is no higher morality than to save human life".

NEWSPAPERS & PERIODICALS

"PRAKASH"	Daily	Karad.
"SAMARTH"	Weekly	Satara.
"AIKYA"	"	"
"SHREE SHAHU"	"	"
"GRAMODHAR"	"	"
"BHARATI"	"	"
"JANAKRANTI"	"	"
"VINKAR SEVAK"	Monthly	"

EDUCATIONAL INSTITUTIONS

DECCAN EDUCATION SOCIETY'S NEW ENGLISH SCHOOL SATARA

Founded in the year 1899, this institution was the first to be started by the D. E. Society, outside Poona. For the first two decades the management had to encounter great difficulties in respect of housing, Government grant, restriction put by Government on the maximum number of pupils, etc. But the devotion, efforts and tact of the late S. G. Deodhar, B.A.—the founder and first Superintendent (till 1919) enabled the management to tide over all the difficulties and give the school a footing at once sound and prosperous.

The school provides facilities to pupils in the intellectual, cultural and social spheres. In the field of physical education and in matters of athletics and gymnastics it has acquired a place of its own as the pioneer institution in the Deccan.

The total expenditure over buildings, furniture, equipment and playgrounds exceeds two and a half lakhs of rupees. The school celebrated its *Golden Jubilee* on December 6, 1949. Donations to the tune of Rs. 33,000 were collected from well-wishers of the school.

The strength of the school is about 13,000; a set of public audience apparatus has been fitted; A 16-mm. Projector is owned for the pupils; literary circles (English & Marathi) are being run; daily prayers; occasional trips and excursions; scouting and students' Parliament of 30 cadets is under training.

Under a proposal from the Director of Technical Education, Bombay State, the School has undertaken since 1950, to send pupils from one division of each standard from Standard VIII onwards to receive instruction in technical subjects in the Government School of Industry, Satara, thus giving the much needed bias to an all-exclusive study of cultural subjects done so far.

Officer-bearers:—J. K. Ranade, M.A., B.T. (Superintendent); Asstt. Supdt.—S. G. Devare, B.A., B.T.; M. B. Walambe, B.A., B.T.; Members, Local Advisory Board:—Dr. M. N. Agashe; S. H. Sathe, B.A., LL.B.; N. G. Joshi, B.A., LL.B.

GOVERNMENT AGRICULTURAL HIGH SCHOOL, SATARA

Started as English Teaching School in 1851 by Government. The first batch was for Matriculation Examination in 1872. Converted into Agricultural School in 1939. The number on rolls is over 400.

Situated in the heart of the city, in the Old Palace, the School imparts instruction mainly in Agriculture along with other subjects from Std. VIII to XI, the principal aim being that of creating pupils who would take up Agriculture as future career. Also sends up pupils for the S. S. C. Examination.

Possesses a Farm of 22 acres in area only four furlongs from the School with ample irrigation facilities; pupils are trained in the practical side of the profession including Dairy and Poultry as subsidiary industries.

Special features include an Agricultural Museum, an Agricultural Library and a Co-operative Society.

A sub-unit of 30 cadets has been allotted to this High School under the scheme of the Junior Division of the National Cadet Corps.

A Hostel attached to the School since 1913 accommodates about 60 pupils and is fully occupied.

MAHARASHTRA HIGH SCHOOL, KARAD

The Maharashtra High School, Karad, is run by the Maharashtra Education Society, Karad—founded in 1938 by a number of prominent merchants of the town. G. P. Deo, the founder of the school, handed it over to the newly formed Society with all its property and equipment. The A. V. School grew in popularity and was soon developed into a High School and the first batch of students was sent up for the Matriculation in 1942. There are at present 250 boys and girls on the rolls.

RAYAT SHIKSHAN SANSTHA, SATARA

(Educational Society for Masses)

This Society was founded by Karmaveer Bhaurao P. Patil of Altwad, Dist. Satara (South), in 1919 and registered in 1935.

Objects & Scope:—To spread education, primary, secondary and higher, among rural masses and particularly poverty-stricken backward and Scheduled Class communities, on the basis of self-help and as far as possible free of charge. The centre of its activities is Maharashtra in general and Satara (South and North) and Kolhapur Districts in particular.

SHET CHANDANMAL MUTHA ARYANGLA VAIDYAK MAHAVIDYALAYA, SATARA

A band of Ayurvedic-minded public men of Satara founded "AYURVED PRASARAK MANDALI" in 1913 with the object of bringing about a revival and uplift of 'AYURVED'. They sought to achieve it by:—

- (i) encouraging a comparative study of 'AYURVED' and modern medicine;
- (ii) presenting, wherever scientifically feasible, AYURVEDIC principles in terms of modern sciences;
- (iii) introducing interpretation, research and reorientation; and finally,
- (iv) popularising and propagating Ayurvedic therapeutic methods by getting them adopted in hospitals and disseminating scientifically prepared Ayurvedic remedies.

To accomplish its object the 'MANDALI' conducts the 'ARYANGLA VAIDYAK MAHAVIDYALAYA' a general charitable hospital and maternity home and a monthly magazine "THE AYURMEMANNA" and it is actively associated with the Dr. Bhadkamkar Ayurvedic Research Institute (housed in the College premises) and the AYURVEDEYA-ARKASHALA, Ltd. Satara.

SHRI GURU SANGIT VIDYALAYA, SATARA

The Institution was started in 1928 by Shriji Keshavbua Matange, the hereditary singer and musician of Satara, with the object of teaching boys and girls music on scientific lines.

The Late Shriji Dadasaheb Karandikar, Member, Council of State and a Patron of the Institution sought recognition from the Educational Department.

Regular classes have been held every day and annual examinations every year. Concerts by well-known musicians are also arranged periodically. Since 1948 the Institution has been affiliated to the Gandharv Maha Vidyalaya Mandal, Bombay.

The Vidyalaya has already been recognised by Government and the Education Department has recommended it for Grant-in-Aid. Donation from the guardians of pupils and well-to-do sympathisers are solicited.

SHRI MADADYA SHANKARACHARYA MANDIR AND BHARATI BHAVAN MATH, SATARA

This 'SANSTHA' (Society) was started by certain 'Sanatani' residents of Satara led by Shri S. V. Joshi, first Non-official President, Satara Dist. Local Board, Shri R. V. Mahabeshwarkar and others in 1940 under the Presidency of Shri Vidyashankar Bharati, the Shankaracharya designate of Sankeshwar Karveer Peeth. The objects of the Society are:—(1) To promote Vedic literature and the study of oriental sciences; (2) To impart knowledge of Philosophy and Research; (3) To maintain libraries for the society members, (4) To impart education to Scholars in ADVAIT Vedant Philosophy Nyaya, Vyaktran and Mimamsa, etc., (5) To maintain 'The Adyashankaracharya Mandir' and the society's property.

MODERN EDUCATION SOCIETY'S NEW SARASWATI ENGLISH SCHOOL

The above named School is being conducted since 2-6-1941 by the Modern Education Society. The present strength in two forms is over 120. Bombay Government was pleased to make a free grant of an open site admeasuring 8 acres 26 gunthas and odd. The society holds building material worth about Rs. 10,000 (Rupees ten thousand). It is donated to the tune of 8 to 9 thousand rupees. The Society hopes to satisfy the educational needs of the public around Koregaon as it promises to be a flourishing centre, being a Railway Station midway between Miraj and Poona.

NAGAR VACHANALAYA, SATARA

The Library was registered in 1904 under the name "City General Library" and was soon named as "Victoria Library" in memory of the Queen. Later in 1938 it was named as "NAGAR VACHANALAYA" at the express desire of Members. There are at present 4,000 English and 4,000 Marathi books. The Library subscribes to a large number of periodicals including dailies and weeklies from various States.

Since October 1947, it has been recognised as "District Library" by the Government of Bombay allotting an annual grant of Rs. 4,000 and it has been thrown open to the public under certain terms and conditions. The institution has its own building with a public hall worth about Rs. 30,000.

SHRI SHIVAJI VIDYALAYA, KARAD

Srjs. Y. B. Chavan, P. P. Gokhale and G. E. Sinhaarane, and Shet Rambhaskar Lahoti and B. Mohre, two prominent merchants founded the "SHRI SHIVAJI SOCIETY", Karad and started "Shri Shivaji Vidyalaya", Karad, in 1945 to meet the growing needs of Secondary Education in the Karad area.

Experienced and qualified teachers were forthwith secured. The Education Department granted recognition and also permission to open the Matriculation class in June 1946. On 31st January 1947, Mr. B. G. Kher, the then Chief Minister and Education Minister of Bombay, laid the foundation tablet of the proposed building on the site the Society had purchased.

THE SATARA EDUCATION SOCIETY, SATARA

The Society was founded in 1935 by five enthusiasts to cheapen and facilitate Education in the Satara District. From humble beginnings the Society has steadily developed and is now running two full-fledged High Schools, the Popular English School, Satara, and Shri Laxmi Narayan English School, Khatav and a Model Primary School at Satara.

Academically and professionally qualified staff, good equipment, progressive results and extra curricular activities like scouting, printed magazine and co-operative show are some of the features of the Society's Schools.

The Society has purchased a spacious site worth Rs. 10,000 to construct a building thereon worth Rs. 2,00,000, for the Popular English School, Satara.

THE SHIKSHAN MANDAL, KARAD

The Shikshan Mandal, Karad was founded in 1920 and registered in 1921 for spreading and facilitating useful and progressive education and inculcating a national spirit in the Indian youth. The Mandal's constitution is on democratic lines entrusting day-to-day management to life-members, and at present to all permanent teachers. It maintains (1) The Tilak High School, Karad. (2) Kanya Shala, Karad. (3) The Nutan Marathi Shala.

SATYABHAMABAI KALE STREE SHIKSHANA MANDIR, SATARA

(Kanyashala and Mahilasadan)

The Kanyashala (a high school for girls) was founded in Satara by Dr. Mrs. Kamalabai Deshpande, O.A., Ph.D., in 1922. In 1935 the late Rao Bahadur R. R. Kale gave away his house as a gift to the Hindu Widows' Home Association, Hingne (Poona) now known as Hingne Stree Shikshana Sanstha, and requested the Association to run the school as well as the adult classes named Mahilasadan, founded by his late wife. Both these are now flourishing under the management of the Association and there are about 600 girls in the High School studying for the S. S. C. New buildings to meet the growing need for accommodation in the School and Mahilasadan have recently been added at a cost of Rs. 1,50,000.

Bal Manohar Mandir, a pre-primary School, has been attached to this School since June last. The Mandir is showing good progress in its work. "Mahila Mandal" is a ladies' club, a part of Mahila Sadan mentioned above and is receiving good response from the ladies in the town.

Superintendent.—P. V. Gole, B.Sc., B.T.

OTHER EDUCATIONAL INSTITUTIONS

Agricultural High School, Satara.

Agricultural School, Borgaon.

Ayurvedic Mahavidyalaya, Satara.

School of Industry, Satara.

Shivaji Arts College, Satara.

Over a score of High Schools for boys and girls are run at Satara, Wal, Karad, Aundh, Phaltan, Paunchgan and Mahabaleshwar.

BENEVOLENT INSTITUTIONS

SATARA JILHA VEERSHAIVA LINGAYAT SHIKSHAN SANSTHA (SOCIETY), SATARA

This charitable Institution started on 24th September 1936, at Satara with the object of helping poor and deserving Lingayat Students from Satara (North and South) District, attending different Colleges and High Schools, has deposited over Rs. 20,000 and the interest thereon plus donations amount to Rs. 2,000 which is utilized to help about 15 students annually. Charitably disposed Lingayat and other persons are requested to help the Society with generous donations. Shri Namdeo Rao Balvantrao Gudge (Late) of Mayani and Raosaheb A. N. Kalyani of Karad, the Patrons have each donated Rs. 10,000 and Rs. 5,000 respectively to the 'Sanstha'.

SITA RAMCHANDRA VEDIC DHARMA PRASARAK MANDAL, KANHERE TRUST, SATARA

Founded in 1926 by the late Shrimati Sitabai R. Kanhere of Satara. A trust was created with Rs. 52,000 excluding equipment and buildings worth Rs. 20,000 and managed by a board of seven trustees. The trustees run an "AGNIGHOTRA" (Sacred Fire Temple) and "Ved Parayan Mandir" (place for daily recitation of the Vedas) by learned Vedic priests. A small school for coaching students, with stipends, in higher Vedant Philosophy is maintained under the guidance of learned pandits. Board of Trustees: S. Kanhere (Ex-Officio Chairman); R. G. Soman, M.L.C.; B. R. Rajopadhye, Pleader; K. R. Majgaonkar, Pleader; S. S. Kanhere; V. N. Mulalik; S. H. Kulkarni (Retired Govt. For. Dept.); S. B. Athwale, Pleader.

ASSOCIATIONS, ETC.

AMERICAN MARATHI MISSION, SATARA

Missionaries Director, Miss L. Picken.

Associate: Mrs. Louise Fisher.

The American Marathi Mission has been working in Satara since 1849. Its activities have embraced work in Satara City and in the surrounding villages.

Present activities are: Evangelistic, Social and Educational and Public Health, in Satara and in the surrounding villages. Waduth (a village six miles distant) has a Maternity Home and a Child Welfare Centre. There is also a Child Welfare Centre in Satara as well as a Schools Public Health Service which caters for the needs of about 200 children daily. There is a trained Indian Staff in all departments. Social and Educational work is carried on in Friendship Centre in Satara City; in the Community Centre, Camp and in Waduth village.

REMAND HOME, SATARA

THE DISTRICT PROBATION AND AFTER-CARE ASSOCIATION, SATARA
(Affiliated to the Bombay S.P. and A. C. Association).

Founded in 1941. Government gives nearly 50 per cent grant while the rest is raised by public subscriptions and donations. Subscription for membership is Rs. 5 per year and life membership Rs. 100. The Collector is the Ex-Officio Chairman of the Managing Committee (consisting of 20 members) responsible for the management of the Home. At present the Association is managed by two Secretaries who are doing honorary work, helped by the Probation Officer.

THE SATARA NAGARIK GRAHAK SAHAKARI MANDALI LTD.

Consumers' Association

Founded in 1948 to supply Cereals, Cloth, Furniture, etc. to Consumers at Moderate Rates on Co-operative basis.

CLOTH RATION SHOP:—148, Bhavani Peth.

GRAIN RATION SHOP:—128, Bhavani Peth.

REGISTERED OFFICE:—177, Bhavani Peth.

SUDHATAI DHAVALA (GODUTAI DHOPESHWARKAR, M.A.) SMARAK MANDIR, KARAD

Founded on September 11, 1939, first anniversary date of the demise of the lady. It maintains a library of social sciences free to public. Lectures on diverse subjects arranged on anniversary day for the public. Board of Trustees: R. S. Dhavale, M.A., LL.B., Satara; Prof. J. B. Harolikar, Poona and R. D. Supanekar, Industrialist, Poona. Trust worth Rs. 10,000.

THE VYAYAM MANDAL, SATARA

It is a well known Physical training Institution and is run on non-sectarian lines and is availed of by Hindus, Marjans and Muslim students and adults. It owns a spacious Gymnasium and an extensive playground in Bajirao Peth. The Governor of Bombay opened the 'Hind Kreedha Bhavan' Pavilion in October 1949 and the Management secured Government Grant. Adult members of the 'Mandal' take active interest in the rural uplift and other national activities. Daily attendance exceeds one hundred members. The institution has now built a students' hostel as well.

An Advisory Board consisting of Shri Soman, Dr. Athalye, Shri K. Kolhatkar, Srjs. Ganpatrao Sathe, Baburao Valdia, and D. K. Gosavi, M.L.A. guides the 'Mandal'.

Director.—V. R. Soman, B.Sc., LL.B.

THE SATARA STATIONERS' AND CHEMISTS' ASSOCIATION LTD.

Founded in 1944 to secure and supply Controlled Commodities of varying nature to its Constituents at Moderate profits.

CONSTITUENTS:—(1) Satara Stationery Mart; (2) Laxmi Stores; (3) Dingankar Book Depot; (4) The Central Stores; (5) Chhatrapati Stores; (6) Arogya Vaso Bhandar; (7) Bhausa Gangusa Pawar, Silk Merchants; (8) G. M. Shalgar & Co., General Merchants; (9) Azad Hind Stores; (10) Shree Swadeshi; (11) Agte Bros.; (12) Prabhat Agency; (13) H. S. Wagdole & Co.; (14) V. N. Bhadavale Agency; (15) S. S. Shah & Co.; (16) Fair Price Shop.

MAHABLESHWAR

Mahableshwar in the Satara North District is called the queen of the hill stations in Bombay State. It is situated on one of the great slopes of the Sahyadri range at an elevation of 4,700 feet above sea-level. During the 8 months from October to May the climate is most agreeable. By day the temperature varies between 80 and 86, while the nights are cool and pleasant. But during the monsoon the rainfall is so heavy, the average being about 250 inches a year, that the place is almost uninhabitable. The whole place is picturesque in the extreme and there are a number of excellent walks and drives which give access to beauty spots, some of which contain interesting monuments. One of the things for which the place is famous is fruit especially raspberries and strawberries.

It is possible to have separate furnished rooms, cottages, and bungalows at a cheap rent in the town. There is an up-to-date post-office, post delivery being twice a day during the hot weather when the station is crowded. The town has also facilities for trunk telephone calls to all places. Other amenities of the town include two libraries, several open spaces and play-grounds, a garden, and Kurocean, Parsi and Hindu gymkhanas with tennis courts, etc. There are Protestant and Roman Catholic churches, a number of Hindu temples and two mosques.

The Government House is well laid out on an extensive ground. The town contains many bungalows but as the official visit of the Governor has been in suspension for the last few years, Government House and other quarters remain vacant. The Governor generally occupies the Guest House on casual private visits.

It is now possible for people of moderate means to go to the hill station for a comparatively inexpensive holiday and change in the newly opened Holiday Camp set up by the Bombay Government. The Camp is located in the Government House property on the way to the Bombay Point and one-room, two-room and three-room accommodation is available to the public at purely nominal rent. The stay of visitors at the Camp is limited to one week so that the facilities offered are taken advantage of by as many people in need of a change as possible.

The Camp is served by a vegetarian canteen, tap water and electric lighting. It is normally thrown open during the months October to May, and applications for accommodation have to be addressed to the Executive Engineer, Poona Division, Poona.

There are several routes to Mahableshwar but the most popular is the one starting from Poona, from where it is only 75 miles. The journey which is both convenient and cheap takes only 4 hours. One can also go by road from Bombay via Panvel, Dharamtar and Mahad. In the old days people used to make the journey by palanquin or phaeton from Wathar Station on the Southern Railway, 68 miles from Poona.

The Deputy Collector who is Prant Officer is the acting Superintendent of the station at present. For the management of the town there is a Municipality which consists of an elected Board of 10 members and 2 ex-officio members, viz. the Superintendent who is the President of the Board, and the Mahalkari who is in charge of the Revenue Department.

HOTELS

Hotels are open only eight months in the year and are closed during the monsoon.

Aram Lodging & Boarding House
Dream Land Hotel
Fredrick Hotel,
Guest House
Happy Home
Hotel de Russe.
Krishna Bhuvan Hotel
Paradise Hotel
Race View Hotel.
Ruppon Hotel

MAHABLESHWAR CLUB

Number of Members—Limited to 200 Election by ballot
The Club is open from October to June.
Entrance fee, Permanent Members Rs. 300
Scale of charges and information regarding Temporary and Visiting Membership may be obtained on application to the Secretary.

PANCHGANI

Panchgani is a well known hill station in Satara North District, 63 miles from Poona. It is 4,300 feet above sea-level and has a cool, salubrious and comparatively dry climate. The average rainfall is about 80 inches a year. Panchgani is thus a well known sanatorium.

The town abounds in beauty spots. It is, however, best known for its table-land, which is a very extensive plateau 4,550 feet above sea-level. The table-land covers 99 acres of ground with a small lake in which people can have a swim.

At the foot of the table-land there is a municipal public garden.

Panchgani is habitable throughout the year, and there are excellent shops for provisions and oilman stores. Poultry, fowl and eggs are all very cheap. The town is electrified and the roads are well lighted. When the water-supply and drainage schemes materialize they will greatly add to the amenities of the town. There are Protestant and Catholic churches as well as Hindu temples, a mosque and a small fire-temple. The town has also post and telegraph offices with facilities for trunk calls.

Panchgani can be reached from Poona from where there is regular bus service.

The town boasts of one of the largest and the most up-to-date tuberculosis sanatoriums in Bombay State—Bel Air Sanatorium conducted by Dr. R. B. Billimoria. The sanatorium is equipped with a solarium laboratory, an operation theatre and X-ray apparatus. It stands on its own spacious grounds well away from the town. There are several sanatorium blocks which can be cheaply rented by people belonging to all communities.

Panchgani is administered by an elected Municipal Board. The income of the Municipality is derived from taxes on property, vehicles, conservancy tax, etc. There is an Executive Officer, and also a Health Officer, who looks after the sanitation of the place.

HOTELS

The hotels are open all the year and cater for all communities.

Grange Hotel.
Il Palazzo Motel.
Mount View Hotel.
Prospect Hotel.
Bristol Hotel.
Surti Hindu Lodge.
Prabhat Hotel.
Anand Bhuvan.
Dinhov Hotel.

SPIRITUAL ASSEMBLY OF THE BAHÁ'IS OF PANCHGANI

Rockside, Panchgani, Dist. Satara.

Administering the religious affairs of the Baha'is Community of Panchgani.

Objects. To establish universal peace and the oneness of mankind, in co-operation with fellow Baha'is in 100 other countries through the spiritual principles of the world religion proclaimed by Baha'u'llah in 1863.

SCHOOLS

Panchgani is famous for its schools. There are seven high schools in all. They all have their own buildings with laboratories, dormitories, and hospitals. The schools admit day scholars as well as boarders.

St. Joseph's Convent High School for Girls.
Kimmins High School for Girls.
Sanjivan Vidyalaya.
Parsi High School.
Muslim High School.
Young Zoroastrian School for Girls

ST. PETER'S BOYS' HIGH SCHOOL

Panchgani.

The School was founded in 1902 by the Colonial and Continental Church Society, partly through the munificence of Miss Ashlin of Poona. It is situated in its own delightful grounds of over 22 acres overlooking the Kurai Valley. There is accommodation for about 150 boarders as well as the Principal, staff and matrons. The buildings include Assembly and Dining Halls, Library, Laboratory, spacious class and reading rooms. Both school house and residence have lofty and spacious rooms, while special efforts have been made to secure bright and airy dormitories. There is a large School Gymnasium adjoining the main building and a swimming bath supplied with pure well water.

The aim of the school is to provide a sound education on modern lines for the sons of Europeans and Indians. As far as conditions will allow the education is the same as that of the English Secondary School. The religious teaching is supervised by the Church of England and arrangements are made for pupils of other religions to receive instruction in their faiths.

All boys are expected to take part in games and also to attend the physical instruction classes. There is a trained physical instructor on the staff, and classes are taken by him during school hours. Hockey, Association Football and Cricket are played daily by senior boys on the extensive level ground known as Tabeland (a short distance from the school) and by junior boys on the school grounds. Instruction is also given in swimming. The school is divided into four houses for games, and inter-house competitions are held in all sports. The annual Athletic Sports are held in November. Tennis is also available on the school grounds, and educational equipment includes a talkie film projector.

Principal :—O. D. Bason, M.A.

TRADES & PROFESSIONS

Abhang Agency, Satara City

Alankar Kala Mandir, Moti Chowk, Satara City, Artists and Jewellers.

Athalye, R. D., Moti Chowk, Satara, Bookellers, Chemists, Druggists, General Merchants, etc.

Central Stores, Bhakawalkar Brothers, Dealers in Stationery, Toilets, and Sweets, Corner House, Bhawani Peth, Satara City.

Deccan Dental Co., Satara City. Dealers in Dental and Optical Goods.

Gajanan Restaurant, Satara, Moti Chowk, Satara City.

Hanmant H. Pendse, Iron & Hardware Dealers, Satara City.

The Home and Commercial Supply Agency, Dealers in Books and Stationery, etc., Sangli & Bellary.

The Horticultural Agency (Estd. 1930), Dealers in Seeds, Bulbs and Plants Merchants, Sangli & Bellary

The Imperial Stores, Satara, Stationers, General Merchants & Commission Agents, Kakade Building, Satara City.

Khadilkar Bandhoo, Moti Chowk, Satara City, reliable dealers in variety cloth.

Laxmandas Sarvottamdas & Co., Alias Bhikubhai General Rice and Grain Merchants, Satara City.

Mangal Bhandar, Satara, Stationers, Bookellers and General Merchants, Majgaon Mansion, Somwar Peth, Satara.

The Manik Soap Works, Karad, Satara.

Plastic Products of India Ltd., 251, Bhavani Peth, Satara City.

Sanghavi Brothers, Satara City, Dealers in Vegetable Oils and Spices.

Sanghavi Oil Mills, Post Vaduth, via Satara Road (Dist. Satara).

Vijaya Printing Press, Vijaya Cottage, Satara City.

Western India Stores & Distributors Ltd., Satara City

THE UNITED WESTERN BANK, LTD.

(ESTD. 1936)

(Scheduled Bank)

Head Office:

PALACE STREET, SATARA:

Branches:

**BOMBAY—Fort & Girgaum,
POONA, NASIK, BARSI.**

**Working Funds Exceed
Rs. 80 Lakhs.**

**BANKING TRANSACTIONS OF
EVERY DESCRIPTION DONE**

S. H. JOSHI,

B.A., B.Com.,

Manager.



S. H. SATHE,

B.A., LL.B.,

Chairman.

Manager, Bombay Branch. **N. G. MOGHE, B.A., B.Com.**

SATARA SOUTH DISTRICT (SANGLI)

Headquarters :—Sangli.

Sub-Divisions :—Miraj, Khanapur.

Talukas and Mahals :—Miraj, Tasgaon, Walva, Khanapur, Jath, Shirala (Mahal).

With the merger of sixteen Deccan States in Bombay State on March 8, 1948, arose the necessity of re-constituting some of the already existing Districts and creating new Districts in the State.

The new District of Sangli later designated Satara South came into existence on August 1, 1949. The District is comprised of some portions of Sangli, Miraj Sr., Miraj Jr., Aundh, and Jath States of the Sangli Group and the three southern Talukas and one Mahal of the former Satara District. It is included in the Deccan Division of Bombay State.

The District is bounded by Bijapur District on the east, Kolhapur and Ratnagiri Districts on the west, Kolhapur and Belgaum Districts on the south, and Sholapur and Satara North Districts on the north.

The area and the land revenue of the District are 3,434 square miles and Rs. 20,21,075 respectively. The population of the District according to the census of 1951 is 1,000,141.

The climate of the District is generally dry, and healthy, with an average rainfall ranging from 15 to 25 inches except for parts in the Shirala Mahal, which being on the borders of Konkan has a comparatively damp climate and a heavy rainfall. The Mahal includes a hilly tract.

The Krishna, the Verala, the Warana, and the Agarani are the four important rivers flowing through the District. The soil on the banks of these rivers is very fertile, yielding rich sugarcane crops. Starting from the river Nandhi in the Khanapur Taluka is a canal called Chikili.

The principal crops grown in the District are jowar, millets, pulses, wheat, ground-nut, turmeric, tobacco, sugarcane and a little cotton and rice and some oil-seeds.

THE MIRAJ SUB-DIVISION consists of Miraj and Jath Talukas.

THE KHANAPUR SUB-DIVISION consists of Khanapur, Tasgaon and Walva Talukas and Shirala Mahal.

MIRAJ TALUKA

The Taluka contains 92 villages and has a population of 285,616, a land revenue of Rs. 4,71,688 and an area of 600 square miles.

The Taluka with its headquarters at Miraj contains such important towns as Sangli, Miraj, Budhgaon, all of which were former State capitals.

TASGAON TALUKA

The Taluka contains 74 villages and has a population of 169,325, a land revenue of Rs. 3,53,324 and an area of 441 square miles.

The Taluka with its headquarters at Tasgaon, a place known for its Ganapati Temple and "Gopur", contains Kirloskarwadi, the iron and steel industry centre, noted all over India. Brahmanal and Audumber on the banks of the Verala and the Krishna rivers are well known holy places.

WALVA TALUKA

Walva Taluka with its headquarters at Islampur contains 56 villages, has a population of 174,073, a land revenue of Rs. 5,29,982 and an area of 304 square miles. The land in this taluka is very fertile.

KHANAPUR TALUKA

The Taluka has its headquarters at Vita. It contains 181 villages and has a population of 183,441, a land revenue of Rs. 3,08,977 and an area of 778 square miles.

JATH TALUKA

The Taluka with its headquarters at Jath contains 97 villages and has a population of 180,270, a land revenue of Rs. 1,99,286 and an area of 867 square miles.

SHIRALA MAHAL

The Mahal with its headquarters at Shirala contains 80 villages, has a population of 79,416, a land revenue of Rs. 1,57,873 and an area of 245 square miles.

COMMUNICATIONS

The Southern Railway's Poona-Bangalore line runs through the District from Takari right upto Miraj, touching on the way Kirloskarwadi, Bhilavadi, Nandre and Madhavnagar. A branch of the Southern Railway running from Beral to Miraj touches at a number of places in the Jath Taluka. Miraj is an important railway junction in the District where lines from Poona, Bangalore, Sangli, Kolhapur and Pandharpur converge. From Miraj to Sangli there is a branch of the Southern Railway covering a distance of 6 miles. From Miraj to Kolhapur there is another branch line covering a distance of 30 miles. Two important trunk metalled roads called Karad-Bijapur Road and Tasgaon-Gotur Road run through the District. The State Transport buses regularly ply between Sangli on the one hand and Bijapur, Poona, Kolhapur and Jath on the other. There are also many other bus-services functioning throughout the District.

TRADE, INDUSTRY

Sangli, which is the headquarters of the District is an important centre of trade and commerce specially for tobacco, groundnuts, turmeric, jaggery, chillies, ghee, and cotton trade. It has ginning, weaving and spinning mills, groundnut, turmeric, iron and steel factories represented chiefly by firms like Deccan Engineering Works at Madhavnagar, Kirloskar Bros at Kirloskarwadi, Dandekar Bros. and Bhilde & Sons at Sangli. The town has also oil mills and ice factory. It is also known for its silver, copper and brassware and gold ornaments. There are two famous cloth mills known as Gajanan Mills (reputed for its sarees) and the Balaji Spinning & Weaving Mills. There is also a metal mill named Maharashtra Metal and General Mill. Bidi making is another big industry.

Besides, Sangli is a big centre of forward-delivery transactions. It has a Chamber of Commerce and a number of trade Associations such as (1) The Mahajan Association, (2) The Forward Delivery Association, (3) The Cloth Merchants' Association, (4) The Saraf Association, (5) The Grocer-traders' Association, (6) Hotel Keepers' Association, (7) Iron & Hardware Merchants' Association.

The Ganapathi-santhan which works under the direct patronage of the Raja of Sangli must be mentioned.

Being a railway junction, Miraj is now commercially developing. It has a weaving mill, an oil mill, an ice factory and industrial works called The Yeshwant Industrial Works. Another town Malignon is famous for its beetle-leaves, which are exported throughout the year to all parts of India.

EDUCATION

The District is sufficiently advanced in point of education—primary, secondary and higher. Compulsory Primary Education has been introduced in Tasgaon, Khanapur and Walva Talukas and Shirala Mahal. It may be shortly extended to the merged areas of the former States. There are 832 primary schools with 2,684 teachers in the District and 22 High Schools, two Sanskrit Pathshalas, four Montessori Schools and two Mahila classes. The number of pupils under compulsory education is 45,905. There are 182 adult education classes and 182 village libraries in the District. In the matter of higher education the District has one Arts & Science College, one Engineering College, four Primary Teachers' Training Colleges, one Medical School, one Nursing School.

Sangli, Madhavnagar and Miraj especially which are in close proximity to one another are now rapidly developing into an important educational and industrial centre in Southern Maharashtra. The Raja of Sangli has established at Sangli the "Adhyatma Vidya Mandir" under the supervision of Prof. B. D. Ranade, an institution solely devoted to the study of Philosophy, Religion and allied pursuits. There are two Primary Teachers' Training Colleges, one for men and the other for women at Sangli. There are also five High Schools in the city. There is a school for the study of ancient learning and another for the study of domestic science. There are also four Montessori schools. Miraj has four High Schools. The Deccan Education Society started about 30 years ago the Willington College at Sangli which provides instruction in Arts and Science and prepares students for degree courses. In 1947 the Maharashtra Technical Education Society, Poona, started at Sangli the New Engineering College.

Because of the Mission Hospital, run by the American Presbyterian Mission and founded by the late Sir William Wanless, Miraj has become one of the most up-to-date and efficient medical centres in India. The Sir William Wanless Tuberculosis Sanatorium, at Wanlesswadi, is now the largest among first grade sanatoria in India. Besides the T. B. Sanatorium there is a Leprosarium at Miraj. The Miraj Medical Centre also runs a Medical School, a Nursing School and a Compounding School.

Besides the A.P. Mission Medical Centre, Miraj has (1) Dr D. P. Gorde's Clinic for eye, ear, nose and throat operations, (2) Dr W. O. Alran's X-Ray Clinic and (3) Dr S. D. Arawattigi's Vail Memorial Hospital for general operations.

Sangli has ample water and electric supply. Sangli has also Trunk Telephone Exchange facilities and a Selection Post Office. Miraj too has a Selection Post Office and two Sub-post offices and is an R.M.S. headquarters. Miraj is now well supplied with electricity and water.

The Sangli State Central Co-operative Bank now known as the Satara South District Central Co-operative Bank Ltd., Sangli, has opened branches at three Talukas namely Miraj, Jath and Tasgaon. It may soon start branches at other Taluka centres. This has very much helped the development of Co-operative movement in the District. The Satara South District Industrial Co-operative Association Ltd. has been recently started at Sangli with a view to developing and encouraging small scale and cottage industries in the District.

OFFICIALS

Collector and District Magistrate, R. V. Deshmukh, B.A., B.Litt (Oxon).
District Supply Officer, V. A. Malvankar.

District and Sessions Judge, South Satara, Sangli, S. S. Mallmath, B.A., LL.B.

Assistant Judge and Additional Sessions Judge, Sangli, M. S. Parulkar, B.A., LL.B.

RAYAT SHIKSHAN SANSTHA, SATARA.

(Educational Society for Masses.)

This Society founded by Karmveer Bhaurao P. Patil of Altawade, Dist. Satara (South), in 1919 and registered in 1935.

Object and Scope.—To spread education Primary, Secondary and Higher among rural masses and particularly poverty stricken Backward and Scheduled Class communities on the basis of self-help and as far as possible free of charge. The centre of its activities is Maharashtra in general and Satara South and North and Kolhapur districts in particular.

Boarding Houses for Boys and Girls.—Karmveer Patil did much spadework in the educational field in Walwa and Karad Talukas from 1909 to 1923 and made Satara town and centre of his activities in 1924, where he opened a Boarding House with one Harijan student. This was formally styled "Shree Chhatrapati Shahu Boarding House" after the late Shahu Maharaj of Kolhapur and inaugurated by Mahatma Gandhi in 1927. The Boarding House has been run from the beginning on non-sectarian lines and has a common mess, the first of its kind in India. The Boarding House has so far turned out 400 Matriculates of whom 50 are studying in different Colleges. Of the 100 Matriculates produced by the Society 20 have been enrolled as Life Members and have been working in the Society's institutions. At present the Sanstha is conducting 11 Boarding Houses, 10 for boys and one for girls attached to Secondary Schools under the control of the Sanstha. All the hostels are recognised as the B.C. Hostels by the Government and three hostels are recognised as certified Schools. The number of the inmates of the hostels, i.e., 600 and their annual budget for the year 1953-54 is Rs. 1,35,250.

Primary Education.—The Sanstha has been conducting voluntary Primary Schools in all over the most mountainous inaccessible and educationally Backward villages of the Sanstha North and South Districts since 1938. The present number of voluntary schools is 441 with 777 teachers. Nearly 22,000 pupils are taking Primary education in these schools. Their budget for 1953-54 is Rs. 4,27,000.

Training Education.—The Sanstha started one Primary Training College in 1935 at Satara with a definite view to train and send out properly qualified teachers and workers in rural areas. At present the Sanstha is conducting 3 Basic Training Colleges for men at Satara, Ashta and Rukadi and one for women at Satara. 550 teachers are under training and 2,000 teachers are trained upto this day. The budget for 1953-54 is Rs. 1,44,000.

One Basic Practising School is attached to Mahatma Fale Adhyapak Vidyalaya, Satara is conducted in the memory of the late Rao Bahadur R. B. Kale.

Secondary Education.—The Sanstha started one Secondary School at Satara in 1940 with a view to impart free education to those willing to do manual work for 3 hours a day. The Sanstha has built up an integrated system of

rural education and has begun to start Secondary Schools in different districts of Maharashtra. The number of pupils in Secondary Schools is 4,000 with 200 teachers. The annual budget for 1953-54 is Rs. 4,59,050.

Higher Education.—Chhatrapati Shivaji College, Satara was started in 1947. It was free from tuition fees and completely residential for 4 years. At present the college is giving instruction upto B.A. classes. The T.D. Section is attached to this college. The number of pupils is 200. Its annual budget for 1953-54 is Rs. 52,800. Special concessions are given to those who live in the college hostel and do some manual work daily.

Other Activities.—(i) The Sanstha has been conducting one Store House and one Credit Society on co-operative basis for the use of the pupils and the employees in the Sanstha. The number of share holders is 959 and the share capital is of Rs. 22,269. The Reserve Fund of the Society is Rs. 8,909-4-9.

(ii) The Sanstha is conducting 70 social education classes and 25 village libraries in different villages.

(iii) The Late Laxmibai Patil Memorial Education Fund is run in the memory of the wife of Karmveer Bhaurao Patil. The annual contributions are offered to the Fund by the past students of the Sanstha. Loan scholarships to the extent of Rs. 10,000 are annually rewarded to the poor and deserving pupils taking Higher and Secondary education.

Budget.—The Sanstha started its educational work with one Harijan boy with annual budget of Rs. 30 only. At present 30,000 pupils are taking education in Primary, Higher and Training branches of the Sanstha and 1,000 teachers are giving instructions. The villagers have given the land of 296 acres worth Rs. 1,16,523 in donation of the Sanstha. The land is cultivated by the pupils and thus problem of self-sufficiency is solved to some extent. The Sanstha has built 18 buildings at different centres worth Rs. 4 lakhs. The Sanstha's annual budget for the year 1953-54 is 15 lakhs of rupees. This stupendous expansion of educational work of the Sanstha is the result of the unceasing and selfless work of Karmveer Bhaurao Patil, the inspiring and organising spirit of the Society, the untiring efforts of the selfless Life Members and workers, generous public patronage and the help given by the Government. The Society's immediate needs are the buildings of its own for its different institutions.

President.—Shri Bapurao Nathajirao Nalavade, B.A., LL.B., Satara.

Hon. Secretary.—Ismael Mohamadsaheb Mulla, B.A., LL.B., Satara.

Joint Secretary.—Shankarrao Dyanadevrao Mahadar, B.A., B.T., D.B. Ed.

District Superintendent of Police, Sangli, M. G. Mugwe, B.A. (Hons.), I.P.S.
Civil Surgeon, Civil Hospital Sangli, Dr. V. N. Ashtaputre, M.S.
Executive Engineer, Kolhapur-Sangli Divn., Dr. A. S. Adke, B.E., Ph.D. (Eng.).
Educational Inspector, Y. V. Javadekar, M.A., B.T.
Deputy Educational Inspector cum Administrative Officer, Sangli, M. A. M. Khan, B.A., B.T., D.P.Ed.
Income-Tax Officers, Sangli, B. S. Devasthali; S. A. Kulkarni; V. G. Shinde.
Sales Tax Officer, Sangli, G. R. Deshmukh, LL.B.
Asstt. Registrar of Co-operative Societies, N. D. Vaidya, B.Com., G.D.O.A.
District Co-operative Officer, S. G. Patankar, B.A.
District Officer for Industrial Co-operatives & Village Industries, P. G. Gupta, G.D.O.A.
Post Master, Sangli, V. S. Bapat.

NEWSPAPERS & PERIODICALS

Daxin-Maharashtra, Marathi Weekly, Sangli.
Vijay, Marathi Weekly, Sangli.
Hutalma, Marathi Weekly, Sangli.
Lok-Neta, Marathi Daily, Miraj.
Jyoti, Marathi Daily, Miraj.
Maratha, Marathi Weekly, Miraj.
Kisan, Marathi Weekly, Miraj.
Kirloskar, Stri & Manohar, Marathi Monthlies, Kirloskarwadi.
Bharati, Marathi Weekly, Sangli.
Udyam-Vikas, Marathi Weekly, ads., Sangli.
Vita-Vritta, Marathi Weekly, Vita.
Anjan, Marathi Weekly, Jath.
Shonit, Marathi Weekly, Jath.

DISTRICT INDUSTRIAL CO-OPERATIVE ASSOCIATION, SATARA SOUTH, SANGLI
 Registered on 17th May 1951.

President, B. A. Dattardar, B.A.
Vice-President, P. K. Haligali.

CHAMBER OF COMMERCE, SANGLI

The Chamber of Commerce, Sangli, was established in 1910; it was registered in 1939. The object is to promote and regulate trade and commerce. Membership is open to all merchants. Strength, 342.

Secretary, V. V. Atitkar.

SATARA SOUTH CONSUMERS' CO-OPERATIVE SOCIETY LTD., SANGLI

Registered on July 16, 1948; Share Capital, Rs. 18,000; Working Capital, Rs. 70,000; 1949 net profit, Rs. 15,000; Reserve Fund, Rs. 4,000; Members, 450.

THE DECCAN MANUFACTURERS' ASSOCIATION, MADHAVNAGAR (S.M.C.)

The Deccan Manufacturers' Association came into being in the year 1946. It is a body of the Manufacturers in the tract covered formerly by the Deccan States. Now with the merger of these States, the manufacturers in the adjoining area have also joined the Association entitling it to speak on behalf of the Industries in the Deccan. The total capital invested in these industries can be roughly estimated at four crores of rupees and the line of articles produced by them range all the way from Textiles, Yarn, Sugar, Gur, Agricultural Implements and Machinery, Glass, Enamelware, Hurricane Lanterns, Soap, Oil, Cement-articles, and Cinemaslides. Nearly 30,000 labour is employed in the above industries. This Association has been duly recognised by the State and Central Governments.

MIRAJ MEDICAL CENTRE, MIRAJ

The Mission Hospital was founded by Dr. Wanless in 1894 with accommodation for fifty in-patients. There are specialised departments of General Surgery, Orthopaedic surgery, chest-surgery, medicine, infectious diseases, cancer and eye-ear-nose and throat. All the money received in India and from abroad is spent entirely for maintenance of the work, i.e., repairs and upkeep, for the medical care of the sick and for the training of Indian Doctors and Nurses.

Miraj Medical School:—The Miraj Medical School was started in 1897 with 4 medical apprentices who were given practical teaching in the wards.

Nearly a thousand beds and a wealth of clinical material are available for teaching purposes in the Miraj Medical Centre, including the Wanless Tuberculosis Sanatorium.

The Nursing School:—This was started in 1897 also, with two pupil-nurses, who had only the most meagre educational background. In 1930, the School was affiliated with the Bombay Presidency Nursing Association and gives regular training now in all branches of nursing to both men and women.

EDUCATIONAL INSTITUTIONS

GIRLS' HIGH SCHOOL, SANGLI

The Girls' High School is conducted by The Women's Education Society, Sangli. The School was inaugurated on the 28th of Sept. 1939. It provides for the instruction of the courses of the S.S.C.

Examination of the Bombay Government and the Entrance Examination of The S.N.D.T. Indian Women's University, Bombay. Special arrangements are made for the teaching of Drawing and Music. The strength of the school is over 450.

NEW ENGINEERING COLLEGE, SANGLI

The New Engineering College is situated at a distance of about 2 miles from Sangli, on an extensive area of about 60 acres with a bracing climate. It was started in the year 1947, by the Maharashtra Technical Education Society, Poona, to foster technical education in the Southern Maratha Country. At present, it is conducting classes for Civil Engineering up to B.E. Degree (Civil).

The College is fully equipped and has all the required laboratories and workshops to carry out instruction satisfactorily. Provision exists to accommodate about 250 students on the College premises. Adequate water supply and electricity are available.

The College is headed by Principal G. R. Vartak and is assisted by experienced and competent staff.

SANGLI EDUCATION SOCIETY, SANGLI

The Sangli Education Society was established in 1919, after the pattern of the Deccan Education Society with a desire to impart liberal education to the children in the mofussil areas to whom such education was not then available. It has now expanded into one of the most prominent educational institutions and has been running six full-fledged High Schools each at Sangli, Tasgaon, Vita, Kirloskarwadi, Miraj and Budhgaon. That is to say, it has spread its net-work in most of the towns in the South-Satara (Sangli) District. The last two High Schools (formerly managed by the States) have been entrusted to the care of the Society by the Bombay Government after the full merger of the Deccan States.

The Society also runs three model Primary Schools at Sangli, Tasgaon and Kirloskarwadi.

The total annual expenditure on all these ventures approximately amounts to Rs. 2,55,000 which is being somehow met by fees, grants and munificent contribution of the Kirloskar Iron Works.

The Society has two big School buildings at Sangli and property worth over 500,000 rupees.

About 4,000 students have been receiving education in all the schools of the Society, which maintains a staff consisting of 175 members.

WILLINGDON COLLEGE, SANGLI (S.M.C.)

The Deccan Education Society, Poona, with its aim and object of facilitating and cheapening education, started the Willingdon College in 1919 with a view to serving the needs of higher education in the Southern Maratha Country.

The situation of the College is ideal. It is a fine rising plot of ground measuring 125 acres lying between Sangli and Miraj, standing on the border-land of Maharashtra and Karnatak. An imposing building and extensive playground with open air and bracing climate "far from the madding crowd" make the College an ideal place for higher education for plain living and high thinking. It reminds one of the University atmosphere of Oxford and Cambridge.

The College is a first-grade and full-fledged College affiliated to the newly started Poona University and provides instruction in all major subjects for under-graduate, graduate and post-graduate classes and courses on the arts as well as the science side. It has more than 800 students (650 boys and 150 girls) on the roll. There is hostel-accommodation on the College premises for about 125 boys and 40 girls. The College has a big Library Hall and Reading-room and a set of well-built and well-equipped laboratories. The staff consists of highly qualified and experienced Professors and Lecturers, many of whom have valuable literary or research work to their credit. With an eventful history of endeavours and achievements extending over more than 25 years, the College has succeeded in setting up very high standards in studies as well as sports—not a few students every year bagging University prizes and scholarships as well as sports-trophies. Among the extra-curricular activities of the College, have to be mentioned the College Parliament, the Debating Union, the Arts Society and the Volunteer Corps.

Principal K. G. Pandit, M.A., M.L.C., during whose regime, the College has been making remarkable progress, has been an experienced and seasoned educationist and administrator—is a Fellow of the University of Bombay and a member of the Court, the Academic Council and the Executive Council of the Poona University.

Dr. T. G. Mainkar, M.A., Ph.D., is the Vice-Principal.

Y.M.M.E. SOCIETY, SANGLI

The Young Men's Model Education Society, Sangli, was founded in 1939. The Society is conducting a full-grade High School.

The Society is governed by a constitution under which a Council and a Board of Life-Members look to the working of the Schools of the Society at Sangli.

ASSOCIATIONS & OTHER INSTITUTIONS

Press Owners' Association, Sangli.
 The Journalists' Association, Sangli.
 The Bar Association, Sangli.
 The Boy Scouts' Association, Sangli.
 The Girl Guide Association, Sangli.
 The Medical Association, Sangli.
 The Medical Association, Miraj.
 Sub-Overseers' Association, Sangli.
 Rotary Club, Sangli.
 Mahila Club (Women's Club), Sangli.
 Saraswati Sevika Samaj, Sangli.
 Kalvalya Dham, Sangli.
 Tilak Mandir, Sangli.
 Khare Mandir, Miraj.
 Journalists' Association, Miraj.
 Press Owners' Association, Miraj.
 Miraj Vidyarthi Sangh, Miraj.
 Legal Aid Society, Sangli.

WANLESS TUBERCULOSIS SANATORIUM, WANLESSWADI
(Between Sangli-Miraj)

The Sir William Wanless Tuberculosis Sanatorium was founded in 1929 by the late Sir William Wanless, and the first patient was admitted under the care of Dr. G. Samuel, the present Medical Superintendent of the Sanatorium. In 1931, the Sanatorium was officially opened with the bed strength of 50, and Dr. W. M. G. Jones as the Medical Superintendent. When Dr. Jones left for U.S.A. in 1939, Dr. G. Samuel took over the charge of the Sanatorium.

The Sanatorium is situated in the western Deccan two miles from Miraj, and 160 miles south of Poona on the metre gauge section of the Southern Railway. It has its own railway station WANLESSWADI, at the main gate, where also is a post office with telegraph and trunk telephone facilities.

The climate is pleasant all the year round, the summer temperature not exceeding 104° with cool evening breezes, and the rainfall averages only 18". The various cottages and general wards surrounded by hundreds of shady trees provide accommodation for 372 patients. Up to sixty extra beds can be arranged when required.

A full line of treatment from A.P. to thoracoplasty and pneumonectomy, and facilities for latest surgical operations are available for patients of all castes and creeds; and poor patients can be admitted free or on concession rates on production of a poverty certificate, as beds are available. There are two operation theatres, a surgical block, six X-ray units including planography, and an up to date laboratory provide for all types of diagnostic and therapeutic service. Due to the excellent results obtained many government and private concerns have contracts with this sanatorium for treatment of their workers.

THE MIRAJ LEPROSY HOSPITAL

Opened in 1901 by Dr. Wanless for 36 patients, the hospital now accommodates 150. Treatment is carried out under direct supervision of the Miraj Medical Centre. A pastor living on the premises looks after the general management and welfare of the patients. Use of the new drug, D.D.S., is bringing fresh hope to these unfortunate people. A Home started in 1919 provides care for 14 healthy children of leprosy parents. Dr. A. G. Fletcher is the honorary superintendent.

TRADES & PROFESSIONS

Bhude & Sons, Engineers; Groundnut Decorticators manufactured, Foundry and Workshop, etc.; Shivaji Nagar, Sangli.
 Chhatre's Photographic Home, Miraj.
 City Medical & Surgical Stores, Miraj.
 Dandekar Brothers (Engineers), Sangli (Southern Railway).
 The Deccan Engineering Works Ltd., Madhavnagar.—Manufacturers of Agricultural implements and machinery, spare parts; Managing Agents: Uplekar & Co., Madhavnagar. Works, Foundry & Office situated at Madhavnagar (Southern Rly.).
 Excellent Boarding & Lodging House, Sangli.
 Gogate Brothers, Electricians and Photographers, Laxmi Market, Miraj.
 The Goodwill Bank Ltd., Bankers, City Post Office, Miraj.
 The Goodwill Stores, opp. City Post Office, Miraj. Prominent Stationery and Provision Stores.

SPORTING CLUBS AND ATHLETIC INSTITUTIONS

Sangli Gymkhana, Shivajinagar, Sangli.
 The Amtral Gymkhana, Sangli.
 Taron Bharat Vyayam Mandal, Sangli.
 Samarth Vyayam Mandal, Sangli.
 Balbhim Vyayam Mandal, Sangli.
 Bhanu Talim, Miraj.
 Ambabai Talim, Miraj.
 Lokmanya Krida Mandal, Sangli.
 Adi-Balbhim Vyayam Shala, Sangli.

COTTON MILLS

MADHAVNAGAR COTTON MILLS LTD.—Spindles 6,000. Managing Agents, The Budhgaon Trading Co., Ltd., Office on Mill premises. Mills at Madhavnagar, near Sangli (Southern Rly.).

MARATHE TEXTILE MILLS.—Spindles 2,706; Agents, B. K. Marathe & Sons, Office on Mill premises. Mill near Railway Station, Miraj.

SHREE BALAJI WEAVING MILLS.—Spindles 5,140, Looms 100. Jay Narayan Shivnath Ladda (Kavathekar), Owner. Office on Mill premises. Extension, Sangli.

SHRI GAJANAN WEAVING MILLS.—Spindles 4,000, Looms 120; Managing Proprietor, V. R. Velankar. Office on Mill premises. Mills at Sudamapuri, Sangli (S.M.C.).

BANKS

THE SANGLI BANK LTD, SANGLI.—HEAD OFFICE: Sangli. Established in 1916. Paid-up Capital Rs. 4,50,000. Reserve Fund Rs. 5,00,000. Working Capital, one crore.

Chairman: Collector, Sangli.

THE S. S. DISTRICT CENTRAL CO-OPERATIVE BANK LTD., SANGLI.—HEAD OFFICE: Sangli; Established in 1927; Subscribed Capital Rs. 1,84,000; Reserve Fund Rs. 1,16,000; Working Capital Rs. 15,35,000. Chairman, R. B. Arwade.

THE MIRAJ STATE BANK LTD., Miraj (Scheduled Bank).—Chairman, V. P. Bedekar, B.E.

THE URBAN CO-OPERATIVE BANK LTD, Sangli—Chairman, M. H. Godbole, B.A., LL.B.

THE GOODWILL BANK LTD, Miraj

THE RATNAKAR BANK LTD, Sangli & Kolhapur.—Chairman, B. B. Patil, B.A., LL.B.

THE BUDEGAON BANK LTD, Budhgaon.

There are also in Sangli City the branches of (1) The Bank of India Ltd., (2) The New Citizen Bank Ltd., (3) The Punjab National Bank Ltd., (4) The Maharashtra Apex Bank Ltd., (5) The Poona Bank Ltd. and (6) The Maharashtra Bank Ltd.

HOTELS & REST HOUSES

Udupi's Greens, Sangli.
 Vijay Lodge and Restaurant, Sangli.
 Gujarath Hindu Lodge, Sangli.
 Spencer's Hotel, Miraj.

Hiralal Badrinarayan, Vakhar Bhag, Sangli.

The Home and Commercial Supply Agency, Dealers in Books and Stationery, Perfumery and Oilman Stores, Machinery and Hardware, etc., Sangli and Bellary.

The Horticultural Agency. (Estd. 1930). Dealers in Seeds, Bulbs and Plants Merchants, Sangli and Bellary.

Maharashtra Metal & General Mills, Ltd., Sangli.

NEW VIJAY INDUSTRIES LTD., P. O. Vichrambag (Sangli, Satara, South). Manufacturers of Agricultural Implements, Centrifugal Pumps and Deep-Well Hand Pumps and Feet Valves.

Prakash Printing Press, Sangli.

Southern Stationery Stores, Laxmi Market, Miraj. Specialists in Stationery, Cutlery, Provisions, and Presentation Articles.

V. G. Limaye's Art-Studio, Sangli. Photographer & Artist.

THE UGAR SUGAR WORKS LTD.

SANGLI (S.M.C.)

(Estd. 1939)

Factory is situated at Ugar-Khurd, a small Village on the left Bank of River Krishna.

Transport facilities are easy as the Factory is only a mile away from the Railway Station Ugar-Khurd, on Southern Rly. on Miraj-Belgaum main line.

Factory has got its own estate for sugar-cane, grown by lift irrigation.

Factory of 500 tons capacity was started in 1942. Produces white crystal sugar.

The Factory produced about 6,000 tons of sugar in 1952-53.

Recovery percentage is comparatively high.

Controlled and most efficiently managed by

Messrs. SHIRGAOKAR BROTHERS

the Managing Agents of the Company

SATARA SOUTH DISTRICT CENTRAL CO-OPERATIVE BANK, LTD., SANGLI

(Formerly The Sangli State Central Co-operative Bank, Ltd., Sangli)

Estd. 1927.

Head Office : High School Road, SANGLI

Branches : (1) JATH, (2) MIRAJ and (3) TASGAON

Authorised Capital	Rs. 10,00,000
Subscribed Capital	Rs. 3,03,450
Paid-up Capital	Rs. 2,73,500
Reserves	Rs. 1,70,900
Working Capital	Rs. 32,41,000

BOARD OF DIRECTORS

R. B. Arwade, B.A., LL.B., Chairman.	Mr. V. B. Deshmukh. Mr. D. B. Suryavanshi, M.L.A.
Mr. V. P. Fowar, B.A., LL.B., M.P., Vice-Chairman.	Mr. H. M. Patil. Mr. S. A. Patil.
Mr. M. H. Godbole, B.A., LL.B., M.L.C.	Mr. J. V. Karmarkar. Mr. M. V. Charankar.
Mr. K. A. Chougale, B.A., LL.B.	Mr. H. B. Patil. Mr. A. N. Khanolkar.
Mr. G. K. Megall, B.A.	The Asst. Registrar, C. S., Sangli.
Mr. B. A. Daftardar, B.A.	

BUSINESS :

Loans for Agricultural purposes allowed to Societies.
Fixed, Current & Savings Deposits accepted.
Every kind of Banking Business Transacted.

S. P. SURVE, Manager

THE SANGLI BANK LTD.

(ESTD. 1916)

(SCHEDULED BANK)

(Started under the Patronage of the Government of H.H. the
Rajasaheb of Sangli in Sangli. Liability of members limited.)

Head Office . SANGLI

Authorised Capital	Rs. 10,00,000
Issued & Subscribed Capital	Rs. 6,00,000
Paid-up	Rs. 4,50,000
Reserve and other Funds	Rs. 5,00,000
Working Capital	Above Rs. One Crore

BRANCHES :

BOMBAY . SHAHAPUR . TERDAL
SHIRHATTI . KARAD . MAGALWEDHE
RABAKAVI . UGAR . KAVATHE
WILLINGDON COLLEGE, ICHALKARANJI

Every Type of Banking Business Transacted

● **Safe Deposit Vaults at Head Office**

BOARD OF DIRECTORS : Shri R. V. DESHMUKH, B.A., B. Litt. (Oxon.), Chairman (Collector, Satara South) ;
Shri N. B. SHAH ; Shri PURUSHOTTAM GOKULDAS ; Shri B. A. ARWADE ;
Shri G. B. ARWADE ; Shri M. R. JADHAV ; Shri T. S. ARWADE ;
Shri M. K. GUPTA, M.A., C.A.I.B., Manager.

SHOLAPUR DISTRICT

Headquarters : Sholapur.

Talukas : Sholapur South, Sholapur North, Barsi, Pandharpur, Sangola, Malshiras, Karmala, Akalkot, Mangalwedha, Mohol.

Sholapur District is bounded on the north by Ahmednagar District, on the east by Hyderabad State, on the south by Bijapur District and on the west by Satara North and Poona Districts. Sholapur is generally flat and undulating. Most of the surface rolls in long low uplands separated by hollows, with an occasional level. The shallow soiled uplands are suitable for pasture and the deep-soiled lowlands, under careful tillage, yield rich crops. From time to time the District suffers severely from drought, to which its situation and the treeless surface of the country expose it. The Indian Council of Agricultural Research, therefore, opened at Mulegaon, a village about 4 miles to the east of Sholapur, a Dry Farming Research Station and after about 10 years' research and experiments on jowar, which is the staple food of this District, recommended what is known as the Bombay Dry Farming Method. Subsequently the Government of Bombay took over the research work in the year 1943, and since then it has been busy tackling the problems of soil and moisture conservation and the reclamation of other intractable soils not amenable to ordinary known practices. Bunding, strip-cropping and other methods of soil preservation and moisture conservation recommended by the Station authorities have been found beneficial.

Sholapur town, the headquarters of the District, is a station on the Central Railway. It has a fine old fort and a travellers' bungalow. The languages spoken are mainly Marathi and also Telugu and Kannada.

The population of the District according to 1951 census is 1,505,316. Its agricultural revenue is Rs. 25,63,855 and non-agricultural revenue Rs. 58,757. Area : 5,682 sq. miles.

OFFICIALS

Collector and District Magistrate, G. L. Sheth, I.C.S.

District and Sessions Judge, V. B. Raju, I.C.S.

District Superintendent of Police, M. S. Hebale.

District Engineer (P.W.D.), S. V. Lonkar.

Civil Surgeon, Dr. V. N. Ambekar.

Health Officer, Dr. V. N. Rao.

Income-Tax Officer, N. D. Kumthekar.

Agricultural Officer, R. Y. Pawar.

Educational Inspector, V. B. Desai.

Asstt. Registrar of Co-operative Societies, D. V. Parulekar.

Employment Exchange Officer, P. A. Gomes.

Treasury Officer and Huzur Deputy Collector, C. B. Purandare.

NATIONAL SPIRITUAL ASSEMBLY OF THE BAHÁ'IS OF INDIA, PAKISTAN & BURMA

Post Box 39, Vasant Villas, Near G.P.O., Station Road, Sholapur.

Administering the religious affairs of 94 local Baha'is of India, Pakistan & Burma.

Objects : To establish universal peace and the oneness of mankind, in co-operation with fellow Baha'is in 100 other countries through the spiritual principles of the world religion proclaimed by Baha'u'llah in 1863.

EDUCATIONAL INSTITUTIONS

DAYANAND ANGLO-VEDIC COLLEGE, SHOLAPUR

The College was founded in 1940 by the D.A.V. College Society, Jullundur. It is affiliated up to Ph.D in the Arts Faculty and up to B.Sc. in the Science Faculty. The College building stands outside the city and comprises the Rathil Arts Block and the Science Block and the Dayanand Hostel. It has 770 students on its rolls at present and 34 professors and lecturers. Research work is being carried on in History and Politics. A large number of stipends and free studentships are available for the able students of all communities. **Principal :** Sri Ram Sharma.

DAYANAND COLLEGE OF COMMERCE, SHOLAPUR

The College was founded in 1952 by the D.A.V. College Society, Jullundur. It is affiliated upto B.Com. It has 158 students on its rolls and 14 professors and lecturers.

Principal : T. B. Narasimhachari.

BENEVOLENT INSTITUTIONS

WASSOODEW BABAJEE NOWRUNGAY ORPHANAGE AND FOUNDLING ASYLUM, PANDHARPUR

The Orphanage and Foundling Home was founded in 1875 by the late Lalshankar Umlashankar Trivedi. The institution is managed by the Bombay Prarthana Samaj. There is a maternity home for widows in trouble and also a home for homeless women. The Government of Bombay has passed rules to remit the sentences of widows convicted of infanticide and send them to this Home. A new spacious building, at a cost of Rs 1,10,000 has now been built on the old site to which Mrs. Ramabal Nowrungay contributed Rs 30,000. The Orphanage is now named after her father-in-law the late Wassoodew Babajee Nowrungay.

V. S. Javere is the Superintendent of the Orphanage and Foundling Home. He is assisted in his work by a qualified Medical Officer, a matron, midwife and nurses and a full staff of servants.

The annual expenditure is more than Rs. 80,000. Secretary's Office :—Prarthana Samaj, Girgaum, Bombay.

COTTON MILLS

BARSI SPINNING & WEAVING MILLS LTD. Spindles 10,900, Looms 271; Managing Agents : Desai Sons & Co, Office on Mill premises. Mills at Barsi Town, Sholapur District.

JAMSHRI RANJITSINGHJI SPG. & WVG. MILLS CO., LTD. Spindles 20,820, Looms 511; Agents : Lalji Naranji & Co., 11, Bank Street, Fort, Bombay. Mills at Sholapur.

LAKSHMI COTTON MFG. CO., LTD. Spindles 45,252, Looms 1,299; Agents : The Bombay Co., Ltd., 9, Wallace Street, Fort, Bombay. Mills at Sholapur.

LOKAMANYA MILLS (BARSI), LTD. Spindles 12,664; Managing Agents : Sulakhe & Co. Office on Mill premises. Mills at Barsi Town.

NARSINGGIRJI MFG. CO., LTD. Spindles 55,488, Looms 1,170; Agent : Dhanrajgir Raja Narsinggirji. Office on Mill premises Mills at Station Road, Sholapur.

SHOLAPUR SPG. & WVG. CO., LTD. Spindles 79,332, Looms 2,283; Mills at Station Road, Sholapur.

TIKEKAR TEXTILE MILL LTD. Looms 60; Agents : Naik & Co., Office on Mill premises. Mills at Tikekarwadi.

VISHNU COTTON MILL, LTD. Spindles 44,600, Looms 1,433; Agents : The Bombay Co., Ltd., 9, Wallace Street, Fort, Bombay. Mills at Sholapur.

NEWSPAPERS & PERIODICALS

"BANDHAV."—Weekly—Marathi.

"DIVYASHAKTI."—Daily—Marathi.

"GOPHAN."—Weekly—Marathi.

"HINDU."—Weekly—Marathi.

"KALPATARU ANANDVIBITTA."—Weekly—Marathi.

"KARMAYOGI."—Weekly—Marathi.

"LINGAYAT GAZETTE."—Fortnightly—English.

"LOKASEVA."—Weekly—Marathi.

"PADMASHALI."—Monthly—Telugu-Marathi.

"SHOLAPUR SAMACHAR."—Daily & Weekly—Marathi.

"SUDARSHAN."—Daily & Weekly—Marathi.

"SURAJYA."—Weekly—Marathi.

"VEERSHAIV GARJANA."—Weekly—Marathi.

PRINTING PRESSES

Laxmi Vijay Press; Samachar Press; Kalpataru Press; Arunoday Press; Vishnu Vijay Press; Basavpratap Press; Shrivasharan Press; Arya Printing Press; Patron Press; Kalpakala Press.

TRADES AND PROFESSIONS

The Bank of India Ltd., 904, Chatti Galli, P.O. Box No. 12, Sholapur
 Basri Dal Manufacturing Co., Ltd., Barsi Town, District Sholapur.
 Basri Industrial & Pharmaceutical Co., Ltd., Barsi Town, District Sholapur.

Basri Merchants' Association, Sholapur. *President* : M M Ghadke
 Bhagwat S. P. Motion Picture Exhibitors, Sholapur
 Bharat Bidi Works, Sholapur.

Central Bank of India Ltd., Barsi, B. L. Railway, Sholapur District
 Chandmal Jawanmol Munot, 65, Sakharpeth, Sholapur
 Dattatraya Vishwanath Sulakhe, Barsi Town, Sholapur.

District Central Co-operative Bank, Sholapur.
 Gore Govind Sakharan, Grocery & Commission Agent, Sholapur.

G. P. Nilakhe, Somwar Peth, Barsi Town, District Sholapur.
 Gujarat Oil Mills, Sholapur.

Imperial Bank of India, Sholapur.

Kothari, A. R., Petrol & Lubricating Oil Merchant, Sholapur.

Lalchand Vora & Sons, Chemists & Druggists Sholapur.

Laxmi Bank, Sholapur.

N. A. Abdulfurkar, Cloth Merchant, Sholapur.

Nagarwala & Sons, P. A., Station Road, Sholapur, Oils, Fuels,
 Insurance Agents and General Merchants.

Nagarwala & Sons, Wine, Provision, Fancy Articles and General Merchants, Sholapur.

Narsi Padamsi & Co., Barsi Town, District Sholapur.

Parandekar Bros, Motor Transport, Sholapur.

Patne Sidramppa, Iron & Hardware Merchant, Sholapur.

Rathi Ramnarayan Rajmul, Yarn & Cloth Merchant, Sholapur.

R. S. Devane & Co, Devane Building, Somwar Peth.

SASWAD MALI SUGAR FACTORY, LTD., THE, Malinagar, Dist. Sholapur.

Sholapur Co-operative Stores, Ltd., Wine, Provision and General Merchants, Sholapur.

Vairag Oil Mills, Vairag, District, Sholapur.

Vijay Engineering & Machinery Co., Murarji Peth, Sholapur.

THE JAYASHANKAR MILLS BARSII, LTD.

Head Office :

BARSII, District Sholapur.

Manufacturers of Cotton
 Grey Yarns from 6's to 30's

Agents :

ZADBUKE & CO.

Telegraphic Address : "JAYSHANKAR", BARSII

SURAT DISTRICT

Headquarters: Surat.

Sub-Divisions: Surat, Navsari, Bulsar, Vyara.

Talukas and Mahals: Choras, Olpad, Bardoli, Mandvi, Bulsar, Chikhli, Pardi, Dharampur, Banada, Navsari, Palsana, Kamrej, Mangrol, Mahuva, Vyara, Songadh, Valod and Gandevi.

Surat District lies between North Latitude 20°15' and 21°28' and East Longitude 72°38' and 73°31'. Following the merger of Baroda State into Bombay State the whole district of Navsari, formerly part of Baroda, was incorporated into the Surat District. The former States of Dharampur, Banada and Sachin were also added to the District with the result that the area and population of the District were more than doubled. Surat District is bounded on the north by Broach District, on the east by West Khandesh, Dangs and Nasik Districts, on the south by Thana District and the Portuguese territory of Daman, and on the west by the Arabian Sea. The present area of the District is 4,499 square miles and the population according to 1951 census 1,827,842. The majority of the population in Banada and Dharampur and several Talukas, particularly those having jungle areas of the former Navsari District belongs to backward classes called Raniparaj, Chodhra, Dhodia and Dubla. The language spoken is Gujarati.

Surat District consists of a wide alluvial plain, stretching between the Lang Hills and the coast, from the Kim river on the north to Damanganga on the south—a distance of about 80 miles. Much of the soil is rich, but the western border of the District consists of less fertile lands. With the inclusion of the former Navsari District and the States of Banada, Sachin and Dharampur into the District, it has acquired a very valuable and wide forest area.

Surat, the chief city and administrative headquarters, is situated on the south bank of the river Tapi 10 miles from the sea. Its population according to 1951 census is 223,182. During the 17th and 18th centuries Surat ranked as the chief export and import centre of India. After the assumption of the entire government by the British in 1800, prosperity which had deserted the town towards the end of the previous century reappeared, but the steady transfer of trade to Bombay, combined with the famine in 1813 in northern Gujarat, continued to undermine its commercial importance. Though overshadowed by Bombay, it is once again the centre of brisk trade.

Besides being noteworthy historically, Surat is one of the principal centres for handicrafts in the State. Nearly half the population of the city depends on handicrafts. Jari work, laces, silk and jari brocades, embroidery, ivory and sandalwood, inlay work of *varakh-nakashi* and ivory bangles are the major handicrafts for which Surat is still famous not only throughout India but even outside India. Hitherto France was the main competitor of the Surat jari work and laces, but the Second World War has put an end to French competition and the town has now a monopoly of the trade. Gold thread produced here is exported to many countries. Cotton and art silk weaving is another major industry which received an impetus during the War. The taluka of Olpad is famous for its knives and nutcrackers, while Bulsar is well known for its silver engraving work.

OFFICIALS

Collector and District Magistrate, N. G. Saswadkar.

District Agricultural Officer, A. F. Patel.

Assistant Registrar, Co-operative Societies, M. V. Patel.

District Co-operative Officer, I. D. Patel.

Executive Engineer, M. D. Patel.

Sub-divisional Forest Officer, Surat, M. A. Rachid.

Sub-divisional Forest Officer, Vyara, G. L. Divekar.

District Health Officer, R. A. Gandhi.

District Medical Officer, V. D. Virkar.

Sales Tax Officers, Y. M. Desai (District); V. S. Deshpande (City); D. C. Kachhi (City).

District and Sessions Judge, C. G. Bhatt.

Assistant District and Sessions Judge, R. R. Desai.

District Superintendent of Police, S. G. Gokhale.

Inspecting Asst. Commissioner of Income-tax, Surat Range, P. S. Viswanathan.

Asst. Collector of Sales Tax, Northern Circle, Range II, Surat, V. H. Gore, B.Sc., A.C.A.

Inspector of Schools, M. M. Shukla.

Assistant Custodian, Evacuee Properties, K. A. Vyasa.

District Scout Commissioner, B. J. G. Shastri.

Assistant District Scout Commissioners, M. J. Gheyara; G. C. Vakil.

INSTITUTIONS

Mahila Vidhyalay Mandal. *President:* Dewan Bahadur B. J. G. Shastri.

Peoples' Education Society. *President:* Dr. M. K. Dixit.

Sarvajanik Education Society. *Chairman:* Lalit Mohan C. Gandhi. *Seva Mandal.* *President:* Dewan Bahadur C. M. Gandhi.

Surat Central Co-operative Wholesale Society, Ltd. Bhagatalao, Surat, (Apex body of Consumers' Co-operative Stores in the city). *President:* Ranchhodas T. Popawala, B.A.; *Vice-President:* Rangildas G. Gandhi, B.A. LL.B.

The Surat District Co-operative Purchase and Sale Union Ltd., Kelapth, Surat.

President: N. V. Choksi.

Chairman: L. H. Patel.

Union's principal objects are to supply the agricultural and other requirements of farmers, co-operative bodies and of individual consumer-members and non-members, and to sell their produce on co-operative basis.

Surat Vankar Sahakari Sangh, Ltd. *President:* Shree Nagindas H. Kharwar; *Vice-President:* Shree Udyaram Ambaram.

The Surat Weavers Co-operative Producers' Society, Ltd., 22-23, Reshamwala Building, Buranpuri Bhagol, Surat. *President:* Shantilal C. Vakharia.

Union Education Society. *President,* Dewan Bahadur N. M. Jhaveri.

The Surat District Industrial Co-operative Association Ltd. *President:* K. N. Desai; *Vice-President:* B. T. Popawala.

Surat Chamber of Commerce. *President:* V. D. Jariwala, *Vice-President:* C. V. Reshamwala.

Shri Tapi Brahmacharyashram Sabha. *President:* R. T. Popawala.

THE SURAT CHAMBER OF COMMERCE

Safe Deposit Chambers, Surat.

The Chamber was started in January, 1941 with the object of encouraging friendly relations and unity among business men and industries of Surat City and the District and to help stabilize existing industries, and encourage new ventures.

The Chamber was recognised by the Government of India in the year 1946. Membership is open to any person, firm or association doing business in Surat City or District interested in trade or industry. The present strength is 448. The Chamber publishes a quarterly journal and maintains a library and reading room.

Secretary: C. L. Shah.

THE SURAT JARI GOODS PRODUCERS' CO-OPERATIVE SOCIETY, LTD.

Dahgarvad Topgull, Aali Mansion, Surat

Importers of electrolytic copper wire, acids, cotton, silk and art silk yarn, gliding chemicals, to assist jari industry (gold and silver thread industry). Exporters of jari banarasi sarees, brocades, gold thread, borders and other jari products. The society has a strength of 626 members. The office-bearers are as follows:—Seth Hiralal Ranchhodas Jariwala, *President*; Seth Prabhudas Bhairchand Jariwala, *Vice-President*; Seth Navnitlal Dayaram, *Hon. Secretary*.

EDUCATIONAL INSTITUTIONS

Primary Teachers' Training College.

Basic Training College, Katargam.

Ayurvedic College.

F. S. Pareek Technical Institute.

Parsi Technical Institute.

Jeevan Bharati.

Cambay Institute of Commerce.

Popular School of Commerce.

Smart School of Commerce.

Shorthand and Commercial Institute.

LOCAL SPIRITUAL ASSEMBLY OF THE BABA'S OF SURAT

O/o Miss S. Vakil, Makanvalia Building, Nanpura, Surat.

Administering the religious affairs of 94 local Baha'is centres in India, Pakistan & Burma.

Objects: To establish universal peace and the oneness of mankind, in co-operation with fellow Baha'is in 100 other countries through the spiritual principles of the world religion proclaimed by Baha'u'llah in 1863.

F. S. PAREKH TECHNICAL INSTITUTE SURAT

The Institute was established in 1892-93, and was run under the control of a Committee, presided over by the District Magistrate. In 1876, the Surat Municipality took over the management of the Institute.

The Institute imparts instruction in Mechanical & Automobile Engineering Courses, Carpentry, Hand Made Paper Making, Wiremen's, Mechanical and Automobile Apprenticeships. The Institute is recognised by the Department of Technical Education, Bombay for the purpose of Examinations, Inspections and Grant-in-aid.

PETLAD COLLEGE PETLAD

This College was started by the Petlad Education Trust in June, 1946, a body which owes its origin to a munificent donation of Rs. 1,50,000 made by Rajmitra Datar Sheth Ramanlal Keshavlal Parikh, brother of the late Rajratna Sheth Naranbhal Keshavlal Parikh. Rajmitra B. D. Amin, Governing Director of the Alembic Chemical Works, Baroda, and Bhimkial N. Dixit of Petlad have also donated Rs. 50,000 each. The College has extensive grounds and maintains well-equipped laboratories.

MAGANLAL THAKORDAS BALMUKUNDAS COLLEGE SURAT

The Maganlal Thakordas Balmukunddas College was started in 1918 and was known at first as the "Sarvajani College." It was later renamed after Mr. Maganlal Thakordas Modi, L.C.M., G.I.M., in recognition of his munificent donation of Rs. 2 lakhs to the College.

The College at first provided courses for the B.A. and M.A. degrees but from 1935 it has provided courses for B.Sc. and M.Sc. degrees also. Research students for Ph D in Gujarati and Chemistry are also admitted.

The main College building was built at a cost of about Rs. 1,79,000 in 1920, and a Science building was added in 1935 at a cost of about Rs. 2,67,000, of which Rs. 1,58,000 were donated by the Trustees of the late Mr. Ranchhodas T. Modi. A spacious library building was added in 1938 at a cost of Rs. 60,000 donated by Sir Kikabhai Premchand, Kt. The total cost of the buildings including Hostels, Principal's bungalow and bungalows for three Professors is about Rs. 11 lakhs.

The College has Hostel accommodation for 246 students mostly in single rooms.

Principal — K L Desai, M.A., LL.B. (Bom), B.A. (Cantab.).

SARVAJANIK EDUCATION SOCIETY SURAT

The object of the Society is to spread education by making it cheap and easily accessible and to establish, take over or affiliate for this purpose educational institutions such as colleges and schools at suitable places. The Society's assets are worth Rs. 35,18,251 of which buildings and the other dead stock amount to over Rs. 22,07,190.

President: Sir Kikabhai Premchand; *Vice-Presidents*: Diwan Bahadur P. J. Talverkhan, Diwan Bahadur Natverlal Motilal Jhaveri, Dr. Champaklal Jekisondas Ghis and Hariprasad Manchubhai Choksi; *Secretary*: Prof. Vishwanath Krishna Nimkar.

The society manages three colleges, four high schools, two middle schools and an institute for higher learning and research.

SARVAJANIK LAW COLLEGE SURAT

The Sarvajani Law College was started in 1935 by the Sarvajani Education Society with a view to imparting legal education to the students of Southern Gujarat. The College has an up-to-date library and resident students are provided with accommodation in the M.T.B. College Hostels.

Principal — T. K. Modi.

SIR KIKABHAI PREMCHAND COLLEGE OF COMMERCE SURAT

This College owes its existence to the munificent donation of Sir Kikabhai Premchand. It was inaugurated by Mr. B. G. Kher, then Prime Minister of Bombay and the foundation-stone was laid by the Governor of Bombay. The College is affiliated to the University of Gujarat for teaching M.Com. courses and is under the management of Sarvajani Education Society, Surat. Hostel accommodation is for 53 students.

Offg. Principal, R N Bhatt

SHREE VITHALDAS THAKORDAS HINDU GURUKUL SURAT

This is an institution founded for the religious education of Hindus from a donation of Rs. 5 lakhs left for the purpose by the late Seth Vithaldas Thakordas Choksy of Surat, by will. It aims at co-ordinating

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Phone: 338

Indian and Occidental learning and Hindu religion. It runs a High School and a Sanskrit Vidyalaya. It is governed by three Trustees, Mangaldas Karides Choksy, Babubhai Maganlal Choksy; Trikandas Dwarkadas of Bombay, and a local Committee of three members, of which Seth Hiralal Maganlal Choksy is President.

Principal.—K. J. Shukla.

HOSPITALS

Civil Hospital
Hindu Charitable Hospital & Maternity Home
Sonawala Hospital
Shantuben's Maternity Home
Mnsakti Hospital
Shri Ratan Kuverba Hospital, Banada
Lady Wilson Hospital for Women and Children, Banada
Dinath Maternity Hospital for Muslims
Lakhpatri Maternity Home
Parsi General Hospital and Maternity Home
Morarbhaji Vajbhukandas Malvi Hospital for Women and Children
T.B. Hospital and Lady Wilson Leprosy Clinic
Ayurvedic Hospital, Surat

BENEVOLENT INSTITUTIONS

Lady Willingdon Ashtashram
Parsi Panchayat
Nagrik Mandal
Hindu Charity Fund
Anath Mahajan Balashram

CLUBS

Rotary Club
Surat Tennis Club
Merchants' Club
Union Gymkhana
Shri Digvijay Club, Banada

HOTELS, REST HOUSES

Hotel Supreme
Savoy Hotel
Jaya Bharat Hindu Lodging and Boarding House
Ukadaji Dharmashala for Parsis
Government Rest House
P.W.D. Guest House
Evergreen Lodging and Boarding House

NEWSPAPERS & PERIODICALS

"Gujarat" (Daily)—Gujarati. *Editor*—R. C. Desai.
"Gujaratmitra & Gujaratdarpan" (Daily except Mondays and Weekly on Mondays)—Gujarati. *Editor*—Pravinkant U. Keshamwala.

TRADES & PROFESSIONS

A. G. Shahans, Sandalwood and Snuff Box Merchant, Surat.
Atmaram & Bros., Gopipura, Surat.
Atmaram Maneklal, Cotton Commission Agent, Surat.
A. M. Shah, Cotton and Seed Merchant, Surat.
Amritlal Sanmukhlal, Cloth Merchant, Surat.
Arvind Ramji & Brothers, Salabatpura, Khangad Sheri, Surat.
Manufacturers, Dealers and Exporters of silk, art silk and cotton piece-goods.
ATMARAM & BROS. JARIWALA, Gopipura, Motichhipwad, Surat (India). Manufacturing and Dealing in: Real and Imitation Jari, Ladies Bags, Purses, Belts, Cigar Cases, Cushion, Covers, Badges and all kinds of Jari Articles and Goods, etc.
B. V. Patel & Co., Cloth Merchants, Surat.
Bhukhandas Nathubhai Gotawala, Salabatpura, Sidhi Sheri, Surat.
Manufacturer and dealer in all kinds of real and imitation jari goods, laces, borders.
Bodiwala Bros. (Estd 1919), Hosiery Manufacturers' Representatives, Exporters & Wholesale Dealers, Buranpuri Bhagol, opp. Pari Sheri, Surat.

"Pratap" (Daily), Gujarati. *Editor*—K. K. Shelat.
"Muslim Gujarat" (Weekly), Gujarati. *Editor*—"Munadi."
"Imarti Lakkad Samachar" (Fortnightly), Gujarati.
"Jain Mitra" (Weekly), Hindi.
"Samisanj" (Daily)—Gujarati. *Editor*—Maganlal Vanmalidas.

SPINNING & WVG. MILLS

NIRANJAN MILLS, LTD. (formerly Tikayaram Mills)—Spindles 8,044, Looms 320. *Agents*: Shapurji & Co. Office on Mill premises. Mills at Surat.
SURAT COTTON SPG. & WVG. MILLS, LTD.—Spindles 21,464, Looms 392. Managing Director: Navinchandra Mafatlal. Office: 29, Vir Nariman Street, Fort, Bombay. Mills at Surat.
SURAT TEXTILE MILLS LTD.—Spindles 10,000, Looms 2,000. *Agents*: Kanchanlal Kapadia & Co., Ltd. Office on Mill premises. Mills at Varachha Road, Surat.

BANKS

Bank of Baroda, Ltd.
Bank of India, Ltd.
Calcutta National Bank Ltd.
Central Bank of India, Ltd.
Dena Bank, Ltd.
Imperial Bank of India
National Savings Bank Ltd.
Punjab National Bank Ltd
Southern Gujarat Industrial Co-operative Bank Ltd.
Surat Banking Corporation, Ltd., Surat
Surat District Co-operative Bank, Ltd., Surat
Surat Peoples' Co-operative Bank, Ltd., Surat
United Commercial Bank, Ltd.
Union Bank of India Ltd.

SHARE-BROKERS

A. H. Moolchhala, Surat
Babubhai Hiralal & Co., Surat
Chaitanyalal & Co., Surat
Champaklal Bhaidas Kapadia, Surat
Choksi, Hiralal M.
D. K. Choksi, Surat
J. Pillani & Co., Surat
Kantilal Amichand & Co, Surat
Master & Toorava, Surat
M. K. Choksi, Surat
M. T. Choksi, Surat
R. V. Khandwala & Sons, Surat
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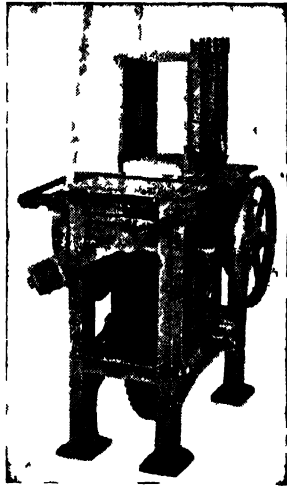
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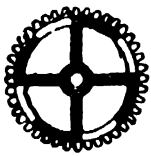


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"Swastik" Wire Rolling Mills, "Swastik" Wire Drawing Machines, "Swastik" Pointing Machine, "Swastik" Sheet Rolling Mills

Chaitanyalal & Co., Cotton Merchants, Surat.

Champaklal Bhaidas Kapadia, Importers, Wholesalers of lines such as Asbestos Cement Sheets, Hardboards, Electrical goods, Umbrella requisites, Pencils, etc. 1969, Limdchowk, Surat. Phones: 256, 345 & 384. Grams: "Ranuka."

CHAMPAKALAL & BROTHERS, Silk, Woollen and Cotton, Textile Manufacturers. Mill at: Varacha Road, Surat. Phone No. 434. Bombay Office: Sayee Bhuvan, 141, Princess Street, Bombay. Phone No. 28170. Tel. Address: "Yarnpool".

Chhaganlal Venilal Jariwala, Mahidharpura, Dalagia Street, Surat. Manufacturer and dealer in all kinds of Jari.

Chhotubhai Dahyabhai, Cloth Merchant, Surat.

Chunilal Motiram, Cotton Merchant, Surat.

Dhanraj J. Parmar, Motor Agent, Surat.

Dhanamal Silk Mills, Varachha Road, Surat.

Dhiraajal G. Veragiwala, Cloth Merchant, Surat.

DINSEAW & CO. (Est'd. 1898), Prop.: Bhatema Bros., Machlipith, Surat.

D. P. Madan & Co., Chemist and Druggist, Surat.

Fakirchand Surajmal Shah, Cotton Commission Agent, Surat.

Farmers' Co-operative Cotton Ginning and Pressing Society, Ltd., Surat.

Fancy Yarn Manufacturing Co., Manufacturers of Fancy and Folded Yarns, Varachha Road, Surat

Financing and Accounting Agency, Surat.

Gheewala Optical House, Direct Importers and Wholesale Opticians, Mahatma Gandhi Road, Surat.

Gujarat Co-operative Cotton Ginning and Pressing Society Union, Ltd., Surat.

Gujarat Co-operative Cotton Sale Society, Ltd., Surat.

GUJARAT INVESTMENT TRUST, LTD., Surat.

Hajoori & Sons, Surat.

Hathiwala Weaving Mills, Silk and Cotton Cloth Manufacturers and Exporters, Begumpura, Surat.

Hathiwala Textile Mills, Begumpura, Surat. Cloth Manufacturers and Exporters.

Hathiwala Silk Mills, Begumpura, Surat.

Hind Bobbins & Industries, Ltd., Kamala Nehru Road, Bulsar, Surat.

HIND HARDWARE & PAINT STORES, Kankhiwad Road, Surat. A.C.C. Cement & Tata Agricore Tools Stockists; Wholesalers & Retailers of all makes and qualities of Paints, Colours, Lacquers, Thinners, Varnishes, Distemper and Accessories.

Hindi Vastu Bhandar, Surat.

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Proprietors :

MEHTA LAKDAWALA & COMPANY

Indiaplant Chemical Industries, Mosquito Coil Manufacturers, Mahidharpura, Limbu Street, Surat.

Ishver Cotton Ginning and Pressing Factory, Surat.

Jamnadas Chunilal, Cotton Commission Agent, Surat.

K. MOTILAL & CO., Yarn & Cloth Merchants, Varachha Road, Surat. Branch: 141, Princess Street, Bombay 2. Phone: 28170.

Kashiram Jagdish, Salabatpura, Khangad Sheri, Surat.

KINKHABWALL, NATRABHAI KARSANDAS, Navapura Golwad, Vachali Sheri, Surat.

Keshavsha Ramsha, Jari Merchant, Surat.

Kohinoor Woollen and Silk Mills, Surat.

Laxmi Oil Mills, behind Telegraph Office, Surat.

Mehta, Upendra R., Electrical & Radio Engineer, Hawadia Chakla, Surat.

Mohanlal Vallabharam Bunki, Proprietor of Bunki Silk and Cotton Mills, Zunda Street, Surat. Textile Manufacturer, Exporter and Importer.

Mohmedbhai E. Badri, Cinema Industrialist, Surat.

National Fancy Yarn Mills, Surat.

Natverlal Vepari & Co., Registered Accountants and Auditors, Surat.

Noor Mohmed Dosa, General Merchant, Surat.

Noormohmed Fajalbhaji, Cloth Merchant, Surat.

Omega Opticals, Opticians, Limda Chowk, Surat.

Palla Oil Mills and Brick Factory, Surat.

Patigara, P. A., & Sons, Rani Talao, Surat. Manufacturers and Dealers in Sandalwood & Ivory Boxes.

PARK-VIEW—"The best-treat" spot in Town", Specialities: Velvety Ice-creams, delicious drinks and appetizing Savoury Snacks, Sayaji Road, Navsari.

Prabhudas Gangadas Reshamwala. Manufactures & Dealers of Silk, Rampura Road, Surat.

RAJNIKANT C. PARIKH, 6/1931, Jadakhadi, Surat (India). Textile Expert.

Randas Prabhuram Kachiwala, Salabatpura, Khangad Sheri, Surat. Manufacturers, Dealers and Exporters of Silk and Cotton Piece-goods, Laces, Borders, etc.

Shree Surat Nagrik Mandal, 1969, Limda Chowk, Surat. President: Lalitmohan C. Gandhi, B.A., LL.B.; Secretary: Bankulal B. Kapadia.

Surat District Co-op. Medical Stores, Ltd., Surat.

THE SURAT ELECTRICITY COMPANY, LTD.

Agents: Messrs. Killick Industries Ltd., Bombay.
Office & Power House: Tilak Maidan, P.O. Box 20, Surat. Tel. No. 34.
T. C. Hale, M.I.E.E., Chief Engineer & Manager.
N. D. Desai, L.E.E., Mem.: A.I.E.E., Deputy Chief Engineer & Manager.
C. H. Eastland, Assistant Chief Engineer and Manager.
G. B. Mankar, Station Superintendent.
N. H. Wadia, Assoc. A.I.E.E., Main Engineer.
J. T. Modi, B.Sc. (Eng.), A.M.I.E.E., Assistant Engineer.
S. M. Desai, B.Sc. (Eng.), Assistant Engineer.
Central Administration Department: "Electricity House," Santa Cruz (East), Post Box No. 6802, Bombay 25.

Surat Ginning & Pressing Factory, Surat.

Surat Hosiery Works, Surat.

Surat Medical Stores, Surat.

Surat Silk Goods Mills, Surat.

Surat Yarn Exchange Co., Suranpuri Bhagal, Surat.

Swastik Machinist, Limited, Varachha Road, Surat.

THANA DISTRICT

Headquarters: Thana.

Talukas and Mahals: Thana, Kalyan, Bhiwandi, Shahapur, Murbad, Wada, Jawhar, Borivil, Bassein, Paigar, Dahanu, Umbergaon, Mokhada.

Thana District lies between North Latitude 18°53' and 20°22', and East Longitude 72°39' and 73°48'. It is bounded on the north by the Portuguese territory of Daman and Surat District; on the east by the Districts of Nasik, Ahmednagar and Poona; on the south by Greater Bombay; and on the west by the Arabian Sea. Forty-seven villages from the former Bombay Suburban District were originally merged with the Thana District. Later, the area from Sion to Bhandup on the Central Railway and the area from Bandra to Jogeshwari on the Western Railway were merged with Greater Bombay. The population according to 1951 census is 1,518,050. The languages spoken are Marathi, Gujarati and Urdu. The Christians of Salsette and Bassein, a very numerous community, are the descendants of the converts of St. Francis Xavier.

Area: 8,995 sq. miles.

Thana consists of a distinct strip of low land, intersected by hilly tracts rising to an elevation of from 100 to 2,500 feet. Along the whole line of the coast the soil is fertile, and the villages are exceedingly populous. In the north-east the hills are covered with wood, and the valleys are but partially cultivated. The villages are seldom more than scattered groups of huts, and the population consists mainly of uncivilised aboriginal tribes, many of whom still wander from place to place as they find water or to suit their fancy. Inland the District is well watered and well wooded. Elsewhere than in the north-east, the country consists of a series of flat low-lying rice tracts, broken by well-marked ranges of hills.

Thana District is fast developing into a prominent industrial area. Hundreds of acres of land are being converted into sites for factories. Scores of factories have already been set up particularly along the railway track and the Bombay-Agra and Bombay-Poona Roads. In Thana Taluka Mulund village on the Thana-Bombay section of the Central Railway has been developed into a modern suburb with all the usual amenities.

Bhiwandi, a Taluka town nine miles from Thana situated on the Bombay-Agra Road is noted for handloom fabrics and the "Bhiwandi" variety of Indian saris is very popular among Deccan women. The town is mostly inhabited by Momins and in some parts of the town every house has a spinning wheel. Bhiwandi Taluka is also famous for its timber and charcoal trade, the latter having its centre in Shahapur a small town in the Taluka.

Kalyan, the biggest and the most thickly populated town in the District, is 34 miles from Bombay and is a junction on the Central Railway's north-east and south-east sections. "Ulhasnagar" the largest refugee township in Bombay State is situated in Thana District two miles from Kalyan near the Ulhas River. The township is designed to accommodate 90,000 people. There are four other refugee camps in Thana District—at Fowal, Virar, Mulund, and Kolahet respectively.

The main produce of the District is rice which is of superior Kolamb variety.

Dahanu, Bassein and Umbergaon, the three Talukas are specially famous for fruit gardens and the bulk of Bombay's fruit supply comes from these areas. Bassein plantains and betel-leaves are very much in demand.

At Thana, Bhyandar and Belapur there are extensive salt works.

The chief articles of export from Thana District are paddy, rice, vegetables, salt, betel-leaves, plantains, bricks, grass, firewood, charcoal, lime, fish fresh or dried, timber, coconuts, mangoes, flowers, saris, handloom fabrics, woollen cloth and milk.

Thana and Vihar lakes and the Valtarna river which are the main sources of Bombay's water supply are situated in Thana District and are connected with Bombay by a special trolley line.

The Thana District Prison is one of the major prisons in the State and there is also a mental hospital on the outskirts of Thana town.

There are travellers' bungalows in every town in the District.

Thana, the chief town, 21 miles north of Bombay, is as already mentioned a station on the Central Railway. The Fort, the Portuguese Cathedral, a few carved and inscribed stones, and several reservoirs are now the only signs that Thana was once an important city. There is a good travellers' bungalow in the town Bassein, on the Western Railway, contains the famous ruins of the ancient Portuguese dominion in Salsette.

OFFICIALS

Collector and District Magistrate, D J. Madan
District Superintendent of Police, N Y Deulkar.
District and Sessions Judge, N S Shrikhande
Civil Surgeon, Dr. F. G. DeSouza.
District Agricultural Officer, R S Dubhasi.
Assistant Registrar of Co-operative Societies, V J Phadke.
Executive Engineer, G S. Padwal.
District Forest Officer, P. M. Tuggarse.
District Health Officer, S R. Batheja.
District Sales Tax Officer, M. S. Kulkarni.
Inspector of Schools, G K Koppikar.

INSTITUTIONS

Marathi Granth Sangrahalaya, Thana.
Remand Home, Bhiwandi.
Industrial School, Bordi.

HOSPITALS

Civil Hospital, Thana.
Mental Hospital, Thana.
Government Dispensaries (in all towns).

INDUSTRIES

Thana Match Factory, Thana.
Western India Match Factory, Ambernath.
Aluminium Factory, Ambernath.
Raymond Woollen Mills, Thana.

NEWSPAPERS AND PERIODICALS

"RAILWAY HERALD" (Weekly), English.

SPINNING AND WVG. MILLS

Abdul Samad Hajilal Mohammad Weaving Factory.—Looms 240.
Owner: Khan Sahib Abdul Samad Hajilal Mohammad. Office on Mill premises. Mills at Bhiwandi.

Secunder Sari Mills.—Looms 103 Proprietor: Abdul Quadir Secunder Patel. Office on Mill premises. Mills at Bhiwandi.

WEST KHANDESH DISTRICT

Headquarters :—Dhulla.

Talukas and Mahals :—Shirpur, Shahada, Taloda, Sindkheda, Nandurbar, Nawapur, Dhulla, Sakri, Akrani, Akal-kuva.

West Khandesh District lies roughly between 20° 38' and 22° North Latitude and 73° 35' and 75° 17' East Longitude. It is bounded on the north by the Madhya Bharat Union, on the east by East Khandesh District, on the south by Nasik District and on the west by Baroda District.

The area of West Khandesh is 5,391 sq. miles and the population 1,146,024 (1951 census). In the western parts Bhils who number 400,000 predominate. The languages spoken are Marathi, Gujarati and Bhili.

West Khandesh along with East Khandesh forms the most northerly section of the Deccan table-land. The river Tapi flowing from east to west divides it into two unequal parts. Of these the bigger lies in the south and is drained by the rivers Bural, Panjara, Bori and Girna. This is a long central plain comprising an extensive area of rich alluvial soil. Northwards beyond the plains the land rises towards the Satpura Hills. The country is rugged and thickly wooded and is mainly inhabited by Bhils. On the whole the District is well supplied with surface water.

AGRICULTURE

The main crops of this District are cotton, wheat, bajri, jawar and groundnut. Sugar-cane and chillies form the main irrigated crops. Lately many more sugar-cane crushing factories and gur manufacturing factories have been started in the District. There are two agricultural research stations - one for Cereal research and another for cotton research at Shahada and Dhulla respectively. A special staff of agricultural officers has lately been engaged by the Government in Bhil backward areas, and a model agricultural project has been started where Bhil cultivators are taught improved methods of cultivation.

There are two types of irrigation in this District : (1) Well irrigation and (2) Bandhara irrigation. The rivers used for irrigation are chiefly the Panjara, Kan, Gural and Gomi, which are bounded at a number of places. Each bund irrigates about 100 to 200 acres. The total area under Bandhara is about 4,000 acres. The main crops grown on these Bandharas are sugar-cane, wheat and paddy, in this rotation. This system is known as Fad System.

There are two educational institutions in the Bhil area - Bhil Sudharna Committee and Bhil Seva Mandal. The Government has also recently opened a Sarvodaya centre at Khandbara for the uplift of the Bhil community.

COMMUNICATIONS

The headquarters of the District Dhulla, was also the old capital of the united district of Khandesh. It is situated on the branch of the Central Railway which joins the main line at Chalisgaon. There is a project for a new railway line, Manmad—Malegaon—Dhulla—Nardhana on the Tapi Railway line, which serves the Sindkheda, Nandurbar and Nawapur talukas and runs in the direction of Surat.

HOSPITALS

There are two civil hospitals at Dhulla, viz., Dhulla Civil Hospital, a Government institution and the Suwarta Memorial Hospital, run by the Presbyterian Mission. The Dhulla Civil Hospital also trains nurses and *Dais*. The Local Red Cross Society is conducting a Child Welfare Centre at Dhulla where milk and free treatment in ultra violet rays is given to women and children. The society is also conducting ante-natal clinic where medical advice is given to expectant mothers. There are 4 Municipal dispensaries—one ayurvedic, one unani and two allopathic. There is also a free dispensary conducted by the Prani-Rakshak Sanstha. Doctors have a West Khandesh Medical Union located in Dhulla.

OFFICIALS

Collector and District Magistrate, L. S. Lulla, I.A.S.
District Agricultural Officer, S. T. Purandare.
District Engineer, V. W. Gothoskar.
District Forest Officer, M. K. Chitre.
District Health Officer, M. L. Gulati.
Civil Surgeon, R. A. Dandekar.
District Sales-tax Officer, G. R. Prabhavalkar.
District and Sessions Judge, B. D. Nadkarni.
District Superintendent of Police, B. K. Lokhande.
Income-tax Officer, S. S. Junnarkar.
Educational Inspector, U. B. Soolekar.

EDUCATIONAL INSTITUTIONS

There are four High Schools in Dhulla, including one for girls. There are about 80 primary schools, where free and compulsory primary education is given to both boys and girls and 2 primary teachers' training colleges including one conducted by Government. There is one Agricultural School called the Dhulla Agricultural School, where practical training in agriculture, poultry, dairy and other cottage industries is given in a two-year course. The Government has lately further developed this school. There is also a model Government poultry farm at Dhulla. At the cattle farm started under the Wardha Cattle Scheme the best kind of cattle are bred. The King Edward VII Technical School at Dhulla gives technical education to ex-service men and students. Government has started a graduates' Basic Education College, in the premises of Grand High School. A Remand home is also lately started for the care of delinquent children.

The Bhil Seva Mandal and the Bhil Sudhar Samittee, which are working for the social and educational uplift of the Bhil community in the Bhil area of the District are two more institutions of a cultural and educational nature.

Two more institutions are the Gandhi Tatwadnyan Mandir, teaching Gandhian philosophy, and the Sanskrit Patashala teaching Sanskrit.

Dhulla is the Divisional Headquarters of the Bombay State Transport Corporation, of the Khandesh Division. A direct bus service to Indore, in Madhya Bharat is operating. There is also a big repair workshop.

DHULLA EDUCATION SOCIETY.—The Society owns two high schools: (1) The J. R. City High School and (2) the New City School, the total number of boys being 1,700. The first was started in 1916 in response to a growing demand for secondary education, which the Government High Schools could not satisfy. It began with the first three standards and only 100 boys. The late Rao Bahadur K. N. Bhangankar was its first president. The second was started in 1937 in the heart of the town to accommodate the ever-increasing rush of boys. The Society was first started in 1920 with the late Mr. V. N. Paranjape as President. Internal management is in the hands of a council on which the staff is fully represented.

THE MARATHA VIDYA-PRASARAK SANSTHA, DHULLA.—This is the pioneer Educational Institution started in the year 1908. With its aim to spread education by giving help to deserving students of the agriculturists, intermediates, and backward communities irrespective of caste and creed.

In 1934 the Institution purchased a bungalow which is known as J. J. Agarwal Maratha Boarding named after the philanthropic donor, Sjt. Jivanram Seth of the city. Later in the year 1935, the Institution erected another big magnificent building where there are at present nearly 200 students of all castes from different and distant parts of the district. For management and educational purpose, the Institution spends nearly Rs. 8,000 per year. In 1939 the Institution started a Boarding house for girls. In 1940, the Institution started a High School.

WOMEN'S EDUCATION SOCIETY, DHULLA.—This Society was founded by the late Mr. Sakharampant Johare of Dhulla and the late Mr. M. K. Apte, B.A., LL.B, pleader of Dhulla, who was its first President. The aim of the society, is principally to impart instruction to girls in Secondary education. It conducts a High School for girls and is the only institution catering for such education in West Khandesh. It has constructed three spacious buildings of its own for the location of the High School. The High School is recognised by Government and is affiliated to the University of Bombay.

THE DHONDO SHAMRAO GARUD LIBRARY, DHULLA.—The library was established at Dhulla in 1854 by Mr. D. J. Richardson, District Judge and President of the English School Committee, as an aid to the students of the English School at Dhulla. Afterwards the library was opened to the public and was known as "The Native General Library", Dhulla, till the year 1907, when the present building was built by donation of Rs. 1,500 given by Rao Bahadur S. D. Garud, and is now known as "The S. D. Garud Library". It is the oldest institution catering for the reading public. In 1947 the library became a free district library under the new scheme of Bombay Government and is open to the public. It is managed by a Managing Committee of eighteen members.

ASSOCIATIONS

HARIJAN SEVAK SANGH (Maharashtra Provincial Board).—This Board as a Branch of the All India Harijan Sevak Sangh has been in existence since 1932. The first President was late G. K. Doodhar, President of the Servants of India Society. The second President was Shri B. G. Kher.

The Provincial Board with the help of its District and Taluka committees is carrying on, besides welfare work in the form of hostels for boys and girls and scholarships for Harijan students, educative propaganda in the 10 Marathi speaking districts of the present sub-province, with a view to giving the fullest possible benefit of the recent Acts passed by the Congress Government, in order to remove the social disabilities of Harijans and to secure temple entry on terms of absolute equality with other Hindus. The Board also endeavours to remove the grievances of Harijans. The condition of Harijans is fast improving in all directions.

THE INDIAN RED CROSS SOCIETY, West Khandesh Branch, Dhulia.—The District Branch of the Bombay State Branch of the Indian Red Cross Society has been doing social work and health activities in Dhulia and West Khandesh District for nearly twenty years.

The Society has been for the last five years conducting a Child Welfare Centre, the first of its kind in the District, at Dhulia where children are given free milk and ultra violet light medical treatment. Ultra violet light is also given to children and women under medical advice. Last year the society also opened an ante-natal clinic. Lady Colville visited the centre and appreciated the work and through her efforts, Rs. 35,000 as grant was given for a permanent building for the Red Cross Society.

DHULIA NAGARIK SANGH.—This institution was established at Dhulia twelve years ago with the object of educating Dhulia public to civic sense by propaganda and by ventilating grievances to proper authorities and educating public in local municipal elections. The society has tackled problems of town planning, health activities, railway grievances, food question and regulating motor and other traffic in Dhulia City. *President* : Dr. B. B. Kirtane ; *Secretary* : Oku.

MAHATMA GANDHI TATWADNYAN MANDIR, DHULIA.—*Aims* : Founded at Dhulia in 1946 to perpetuate the memory of the late Mahadeobhai Desai, who devoted his whole life to the service of Mahatma Gandhi. It is designed to preserve all Gandhian literature and spread Gandhian philosophy by encouraging students to stay and lodge to study, by publishing suitable books and magazines and by organising a batch of workers who would lead and teach the people by their own example by leading a life based on Gandhian principles. This institution had been blessed by Mahatma Gandhi. The site was given free by Shet Shaligram Ramchandra Bharti and Shet Rameshwar Johammai Poddar. *Principal* : Balubhai Mehta. *Trustees* : V. L. Mehta ; Appasaheb Patwardhan.

THE WEST KHANDESH MARATHI JOURNALIST ASSOCIATION, DHULIA.—This association was established in 1943 as a District Branch of the Marathi Patrakar Parishad, objects of which are to guard the interest of Marathi Press in the Marathi speaking area in India and improve the status of Marathi journalists. The branch which is an active association successfully held the seventh Patrakar Parishad in 1947, presided over by Mr. Deogirikar, Editor of "Chitranaya Jagat" (Poona).

CLUBS

Dhulia Gymkhana.
Camline Club.
Recreation Club.
Vanita Samaj (ladies).

BANKS

Imperial Bank of India, Dhulia.
Bombay Provincial Co-operative Bank, Dhulia.
New Citizen Bank of India, Dhulia.
Bank of Baroda, Dhulia.
Bank of Maharashtra, Dhulia.

Bombay	Provincial	Co-operative Bank,	Taloda
"	"	"	Shirpur.
"	"	"	Shahada.
"	"	"	Nandurwar.
"	"	"	Sakri
"	"	"	Sindkheda.
"	"	"	Dondaicha.

Baroda Bank (pay office), Dondaicha.

DHULIA URBAN CO-OPERATIVE BANK, LTD.—This Institution known as Dhulia Taluka Urban Co-operative Society was established in 1908, the first co-operative society in West Khandesh District ; in 1923 it was converted into Dhulia Urban Co-operative Bank. The Bank serves the needs of the local merchants, petty traders and agriculturists of Dhulia City and is the oldest bank in the city.

RAJWADE MANDAL PEOPLE'S CO-OPERATIVE BANK LTD., DHULIA.—This bank, one of the very few of its kind in the State, was established in February 1933. The shareholders of the bank have agreed to pay one-fourth from their share of dividend due from the bank each year, to a research institution—Rajwade Sanshodhan Mandal—established in the memory of the late Mr. Vishwanath Kashinath Rajwade, an eminent research worker.

INDUSTRIES

Dhulia is the biggest cotton centre in the Khandesh District and has a well regulated Cotton Market. There is also another regulated Cotton Market at Dondaicha in the Sindkheda Taluka on the Tapti Valley Section of the Central Railway.

There is a Spinning and Weaving Mill at Dhulia, called the New Pratap Spinning and Weaving Mill, which operates 1,058 looms and 46,135 ring spindles.

There are many Weaving Factories, driven by steam and electric power, operating a total number of 1,000 looms.

The number of cotton ginning and cotton pressing factories is 47.

Dhulia has also been lately developing into a groundnut oil industry centre. There are 40 oil mills, including 12 at Dhulia, which together produce about 2,000 tons of groundnut cake. One of these mills uses the latest type of oil expeller machinery. There are two saw mills, but on the whole, West Khandesh is less developed than East Khandesh.

NEWSPAPERS & PERIODICALS

"SWATANTRA BHARAT."—Weekly—Marathi.
"DALIT SEVAK."—Fortnightly—Marathi.
"PRABODH."—Weekly—Marathi.
"WARTA."—Weekly—Marathi.
"YUG SANDESH."—Weekly—Marathi.
"NAVA-HIND."—Weekly—Marathi.
"RAMDAS-RAMDASI."—Quarterly—Marathi.
"ITIHAS-ITIHASIK."—Quarterly—Marathi.

TRADES & PROFESSIONS

Anandji Harkdas & Company Limited, Jammalal Bajaj Road, Dhulia.
Anant Textiles, Textile Manufacturers, Fifth Lane, Dhulia.
Bombay Fire and General Insurance Co., Ltd., Dhulia.
Mudholkar Studio, Agra Road, Dhulia, West Khandesh Dist.
Shaikh Amman Master, Bidi Merchant and Manufacturer, Mustapha Kemal Road, Dhulia.
Shri Gajanan Company, Chemists and Druggists and General Merchants, Agra Road, Dhulia.
United Hardware Mart, Merchants and Contractors, Agra Road, Dhulia.

MADHYA PRADESH

Area : 180,272 sq. miles.

Population : 21,247,633.

Number of Districts : 22.

Names of Districts with names of headquarters within brackets : Sagar (Sagar); Jabalpur (Jabalpur); Mandla (Mandla); Hoshangabad (Hoshangabad); Nimar (Khandwa); Balaghat (Balaghat); Betul (Betul); Chhindwara (Chhindwara); Wardha (Wardha); Nagpur (Nagpur); Chanda (Chanda); Bhandara (Bhandara); Raipur (Raipur); Durg (Durg); Bilaspur (Bilaspur); Bastar (Jagdalpur); Amravati (Amravati); Surguja (Ambikapur); Raigarh (Raigarh); Buldana (Buldana); Akola (Akola); Yeotmal (Yeotmal).

Number of Tehsils : 107.

Number of Municipal Committees : 113; Corporations : 2; Notified Area Committees : 2. The State has a unicameral Legislature.

Strength of the Legislative Assembly : 233 including one member nominated under Article 333 of the Constitution.

Number of members returned from the State to the House of the People, 29 and to the Council of States, 12.

Estimated revenue for 1953-

54 Rs. 25,06,22,000

Total expenditure on Revenue

Account for 1953-54 Rs. 24,52,51,000

Estimated Surplus for 1953-54 .. Rs. 53,71,000

AGRICULTURE

Main food crops of the State and their production during 1950-51 :

Cereals : Rice (13,94,890 tons); wheat (5,86,230 tons); Juar (8,72,480 tons); Kodon-Kutki Ragi Madua (1,03,953 tons); Maize (60,033 tons); Bajra (16,183 tons).

Pulses : Gram (2,53,640 tons); Tur (90,910 tons); Urid, Mung, Moth (96,500 tons); Lakh (1,33,250 tons); Masur (44,220 tons).

Main cash crops of the State and their production during 1950-51 :

Cotton (Lint) (89,298 tons); Sann-hemp (fibre) (7,789 tons).

Area of the State in acres (1950-51) as per agricultural statistics : 83,111,606 acres.

Area cultivated : Grass cropped : 31,171,975 acres; Net cropped : 28,669,151 acres.

Area of uncultivable land : 20,254,513 acres.

a) Area other than uncultivated land excluding barren, fallow and cultivable area : 14,276,542 acres; b) Area not available for cultivation : 5,977,971 acres.

Area cultivated twice : 2,502,824 acres.

Area under dry cultivation : Grass cropped : 29,102,078; net cropped : 26,621,806 acres.

Area under wet cultivation : Grass cropped : 2,069,897; Net cropped : 2,047,545 acres.

Area under Food crops : 23,948,526 acres.

Area under Cash crops : 2,839,780 acres.

Area in acres under individual food crops :

Cereals : Rice (89,47,365); Wheat (26,22,748); Juar (49,98,919); Kodon-Kutki Ragi madua (19,82,579); Maize (2,90,180); Bajra (97,254).

Pulses : Gram (13,91,292); Tur (7,57,052); Urid Mung Moth (14,05,295); Lakh (11,63,924); Masur (2,91,978).

Area under individual cash crops in acres : Cotton (27,76,071); Sann-hemp (63,709).

Area possibly available for further cultivation through reclamation measures : Current fallow : 4,685,450 acres; Cultivable area : 5,861,926.

Projects planned but not executed : Gondhal Feeder Project at Durg; Dudhwa Feeder Project at Raipur; Sampna Tank Project at Betul.

No land has been reclaimed by the State Tractors.

Area ploughed by the State Tractor (Machine Tractor Stations Scheme) from 1947 to 1952 : 85,863 acres, the area ploughed during 1951-52 alone being 36,506 acres.

Area reclaimed by the Central Tractor Organisation in Sagar and Hoshangabad from 1947 to 1952 : 240,702 acres, the area reclaimed in 1951-52 alone being 71,747 acres.

Budget allotment under the scheme for the reclamation of cultivable land from weeds by mechanical cultivation for 1953-54 : Rs. 33,55,500.

LAND TENURE

After the abolition of the proprietary rights of the intermediaries (malguzars, zamindars, jagirdars, isardars, etc.) with effect from March 1951, the land tenure system in the various parts of the State is as follows.

Central Provinces : The ex-proprietors retain the home farm land. Land cultivated after 1948-49 has been settled with them in the rights of an occupancy tenant. The existing rights of the tenants continue and they have been given the privilege of securing malik mukbuz rights in their tenancy land on payment of a premium at concessional rate equal to three times and four times of the annual rent for absolute occupancy tenants and occupancy tenants respectively. The village administration is on the raiyatwari system.

Merged Territories : Here the ex-proprietors have also been allowed to retain other land in their personal cultivation in raiyatwari rights. The tenants and raiyats have been given the concession of having their raiyati or tenancy land converted into malik-mukbuz on payment of a premium equal to twice the amount of annual rent. The village administration is on raiyatwari lines.

Berar : The raiyatwari system is prevalent in almost the whole of the Berar districts. In a small number of villages in the districts which have vested in the State Government, superior holders have been allowed to retain the home farm land in the right of an occupant. These tenants have been regarded as lessees of Government and have been allowed the privilege of securing occupancy rights on payment on the sliding scale as laid down in Section 69 of the M. P. Abolition of Proprietary Rights Act, 1950 (I of 1951).

Acts Governing the Land Tenure : The C.P. Tenancy Act, 1920 (I of 1920). The Act recognises three types of tenants namely Absolute occupancy tenants, Occupancy tenants and Sub-tenants.

The C.P. States Land Tenure Order, 1949 and the Makrai State Land Tenure Order, 1949 : As a result of the integration of 15 Feudatory States with Madhya Pradesh, the raiyats and tenants were greatly handicapped on account of the prevailing restrictions on inheritance and transfer of land. Under the above orders, heritable and transferable rights were conferred on raiyats and tenants in their holdings. They are also entitled to make improvements in their land and to enjoy the usufructuary rights of the trees standing on their holding.

Plantations	Area in acres	Production in tons (1950-51)	Value (Rs. in thousands)
Sugarcane	45,347	56,660	317.3
Bananas	3,524	43,660	218.0

Total area under all fruit crops for 1950-51 : 1,04,639 acres.

Kinds of fruits : Oranges, Lemons, Mosambis, Custard apple, Guavas, Mangoes, Ber, Bananas, Papayas, Jack fruit, Pomegranates, Chikoo, Water melons, Musk melons and other fruits.

Estimated production of the main fruits in 1950-51 and their value : 3,74,570 tons valued at Rs. 1,024.6 lakhs.

Total area under vegetable in 1950-51 : 1,08,540 acres.

Kinds of vegetables : Cauliflower, Cabbage, Knolkol, Turnip, Carrots, Radish, Tomatoes, Beem, Palak, Beet, Potatoes, Onions, Sweet-potatoes, Arum, Leafy Vegetable, Brinjal, Bottle gourds, Bhindi, Pumpkins, Garlic, Ginger, Gawar.

Total production of vegetables and their value : 2,63,824 tons valued at Rs. 390.7 lakhs.

Kinds of fish produced : Katla, Mrigal and Rohu.

Estimated production of all kinds of fish : 5,700 tons.

Number of cattle according to 1951 census : Cows (including calves) 7,245,916; She-buffaloes (including calves) 1,839,896; Bullocks (over

three years) 5,289,911; Sheep 330,367; Goats 2,300,360; Pigs 265,924; Fowls 4,379,145.

Chief breeds of cattle :

Cows : Gaolao, Khamgaon, Umerdha, Lakha-bhonda, Nimar and Malvi.

Buffaloes : Sagar, Nagpur and Berar.

Sheep : Berari, Chanda, Chattisgarh and Sagar.

IRRIGATION

Total area irrigated during 1952 : 1,907,067 acres.

Area irrigated by Government Irrigation Works : 8,34,444 acres.

Larger Irrigation Works and area irrigated in 1952-53 : Mahanadi (Canal-cum-Maramilli Reservoir in Raipur District : 2,12,184 acres.

Wainganga Canal and Sarathi Reservoir in Balaghat District : 63,770 acres.

Kharing tank in Bilaspur District : 92,075 acres.

Maniary tank in Bilaspur District : 77,578 acres.

Tandula Reservoir in Durg District : 164,063 acres.

Projects in execution :

Name of Project	Location District	When started	When to be completed	Capacity M.cft.	Area proposed for irrigation	Total cost. Lakhs of Rs.	Financing Bodies	Estimated rise in output after completion
Gangulpara tank project ..	Balaghat	May 1953	March 1956	Gross : 402.48 Nett : 387.47	5,525	27.18	State and Central Govts.	(Food grains) in Tons 1,705
Durkrikheda tank project ..	Hoshangabad	"	"	Gross : 498.005 Nett : 406.998	6,600	24.83	"	1,320

The Madhya Pradesh Abolition of Proprietary Rights (Estates, Mahals, Alienated Lands) Act, 1950 (I of 1951).

Under the above Act, compensation is payable to proprietors on the basis of net income in accordance with the rules in Schedules I and II of the Act. Petty proprietors are to be paid rehabilitation grant also according to the scale prescribed in Schedule III of the Act.

Any mortgage or charge on any proprietary right was a charge on the compensation money payable to the outgoing proprietor. The Claims Officer has been empowered to determine these debts. The rate of interest allowed on these debts will not be more than 6 per cent per annum. The amount of principal and interest found due can further be scaled down as prescribed in sub-sections 2 and 3 of Section 24 of the Act. The amount determined as due shall not carry any interest after the date of determination. The amount of debt will be paid to the creditors out of the compensation money before the balance if any is paid to the outgoing proprietor.

Number of persons expropriated under the law : 150,000.

The Act has been fully implemented and the State has taken possession of all the villages vested in the State under the above law.

The compensation money will be paid from the State Revenues and will not be acquired.

The question as to whom and how this land is to be allotted is under the consideration of the State Government.

LIVE-STOCK

Variety of fish produced : Murrels, Catfishes and Minnows ; Mrigal and Kalbasu.

Quantity and value of each variety : About 10,000 maunds of Bengal carps valued at Rs. 40,000 annually.

Total fish produced in the State : 156,000 maunds valued at Rs. 31,20,000.

Fishing population : About 50,000.

Livestock : Bovines (17,458,186) ; Cows (4,620,882) ; Buffaloes (mostly Nagpuri and the graded) (831,542) ; Sheep (local) (313,874) ; Goats (local) (2,429,603) ; Fowls (4,321,391) ; Ducks (mostly Indian Runner) (39,445) ; Horses and Ponies (115,756) ; Mules (360) ; Donkeys (20,783) ; Camels (48) ; Pigs (201,482).

Total forest area at the end of 1951-52 inclusive of 7,659 sq. miles of ex-private forests : 44,046 sq. miles. As a result of the abolition of proprietary rights an area of 7,659 sq. miles of private forests was taken for management by the Forest Department.

Number of forest divisions in the State : 82.

Main types of forests : Teak, Sal and the mixed forests.

Sub-types of forests : Palas, Khair, Bhirra, Salai, Ghont, Anjan and Garari.

Revenue from forests for 1951-52 : Rs. 4,37,18,756.

Expenditure for 1951-52 : Rs. 1,17,09,869.

Revenue by classification of produce in 1951-52 : Timber (Rs. 2,39,00,300) ; Fuel (Rs. 73,05,230) ; Bamboos (Rs. 20,05,397) ; Grazing and Fodder grass (Rs. 23,91,445) ; other produce (Rs. 72,37,998) ; Miscellaneous (Rs. 8,41,911) ; Leased forests (Rs. 30,475).

Area of forests afforested in 1951-52 : 208 acres

CIVIL SUPPLIES

There is no rationing in Madhya Pradesh.

Controlled articles : Cloth, yarn, cotton, iron and steel, cement, drugs and vegetable oil products.

The prices of each of these articles fixed by the Government of India are adopted by the State.

States requirements of cloth at the rate of 15 yards per capita per annum : 17,780 bales per month.

The State is not surplus in any of the above articles.

Total supplies of cloth per month from sources within the State : 9,000 bales, constituted by 5,500 bales of cloth from textile mills in the State and 4,400 bales of handloom cloth.

Deficit of cloth : 7,880 bales each month

At present, the cloth control has been considerably relaxed with the result that as much as 95 per cent of the total cloth production of India is now available under free sale concessions. The deficit is made good from imports of this free sale cloth and not much difficulty is being experienced by the consumers.

Quota of cloth fixed by the Textile Commissioner, Bombay : 15,100 bales per month. State's requirements of yarn per month : 17,257 bales.

Total supplies of yarn per month from sources within the State namely textile mills : 4,000 bales.

Deficit of yarn : 13,257 bales per month.

At present, the shortage of yarn is not being felt so much due to slump and shortage of finance with the handloom weavers including the difficulties experienced by them in marketing the handloom products.

Quota of yarn fixed by the Textile Commissioner, Bombay : 4,790 bales per month

LARGE-SCALE INDUSTRIES

COTTAGE INDUSTRIES

Cottage industries with their location :

Handloom weaving (Nagpur, Kamptee, Burhanpur, Jabalpur, Chanda, Bhandara, Bilaspur (Champa), Umrer).

Wool spinning and blanket weaving (Umrer Tahsil and Chhindwara District).

Textile accessories : bobbing etc. (Nagpur).

Bidi making (Nagpur, Kamptee, Bhandara, Tummar, Gondla, Jabalpur).

Brass metal work (Bhandara, Balaghat, Chhindwara)

Lac (Gondia, Seoni, Raipur, Bilaspur).

Umbrella fitting (Nagpur, Jabalpur, Raipur)

Saw milling (Betul District, Bhandara District, Balaghat District, Bilaspur, Chanda, Chhindwara, Jabalpur, Mandla, Nagpur)

Budget grant for 1953-54 for execution of the Cottage Industries schemes : Rs. 3,14,180

Additional grant for 1953-54 for the development of handloom weaving, Rs. 60,800 and for development of cottage and small scale woollen industry, Rs. 11,000

Chief minerals : Manganese ore (Nagpur, Balaghat, Bhandara, Chhindwara and Jabalpur) ; Coal (Chhindwara, Chanda, Surguja, Yeotmal, Raigarh and Bilaspur).

Quantity produced in 1951 and value : Manganese ore : 7,07,103 tons (Rs. 6,42,09,116-0-2) ; Coal : 3,208,988 tons (Rs. 4,57,97,750-15-8).

Average daily labour engaged during 1951 : 62,993 (29,812 in collieries, 26,982 in manganese ore mines and 6,199 in other mines).

TRANSPORT

Total mileage of roads : 9,791 miles

Mileage of installed roads : 6,111 miles, Uninstalled roads : 3,680 miles

Roads maintained by P.W.D. Metalled (5,555 miles) ; Unmetalled (3,398 miles)

Roads maintained by District Councils (now Janapada Sabhas) P.W.D. Transferred Roads : Metalled (556 miles) ; Unmetalled (282 miles)

Total mileage of railways : 2,596 miles.

Number of passenger buses : 1,715 ; Goods Vehicles : 4,888 ; Taxi Cabs : 396 ; Private cars : 6,968.

Transport has not been nationalised. The State and Central Government together hold majority of shares in two tripartite companies with a Government official as Managing Director

The Companies operate only passenger services

The Provincial Transport Co. operates town bus service in Nagpur City and C.P. Transport Services Ltd. in Jabalpur City.

Number of passengers carried in 1951-52 : Provincial Transport Co. Ltd. 26,74,112 ; C. P. Transport Services 35,29,438.

Total expenses : P. T. Co. : Rs. 24,65,820-6-7, C. P. T. S. : Rs. 30,32,498-13-6.

Total revenue : P. T. Co. Rs. 28,06,077-14-5 ; C. P. T. S. : Rs. 35,92,701-9-3.

Profit : P. T. Co. Rs. 4,30,257-8-0 ; C. P. T. S. Rs. 5,00,202-11-0.

After taking over management of the Companies by the Government, it has been possible to give the workers bonus ranging from one to one and a half month's salary.

Extra amenities for passengers : A bus station and depot at Jabalpur costing Rs. 16 lakhs.

Industry and its location	Year	Production	Value of total turnover in Rs.
Cotton Textile Mills (Nagpur, Akola, Badnera, Hinganghat, Rajnandgaon, Fulgaon, Achalpur, Burhanpur) ..	1951-52	115,226,000 yds.	Not available
Cement (Kymore)	1951-52	360,229 tons	"
Asbestos Cement (Kymore)	1952-53	31,317 tons	"
Hydrogenated vegetable oils (Akola and Shegaon)	1952	10,756 tons	"
Canned fruits and vegetables, bottled juices etc. (Nagpur)	1952	Not available	Rs. 16,08,000
Jute (Raigarh)	1949	3,778 tons	Not available

Name of the Transport Authority	Number of Vehicles	Capital	Investment by State	Investment by Centre
The C.P. Transport Services Ltd.	121	Rs. 23,52,900	Rs. 9,98,000	Rs. 9,96,000
The Provincial Transport Co. Ltd.	113	" 29,99,945	" 10,72,275	" 8,46,800

A programme of construction of public shelters, waiting rooms etc. in other centres like Sagar, Seoni, Yeotmal, Gondia, Bhandara etc. has been drawn up for execution.

It is proposed to extend the services to more parts of the State—25 per cent of the fleet is renewed every year.

Modern buses with rubber foam cushioning throughout, are put on the line.

There are sub-workshops at every depot of the company to carry out minor repairs. Major repairs are done in the main workshops at the Head Offices of the companies.

All vehicles and engines are fully reconditioned at the workshops which also make certain spare parts.

Consolidation of the two undertakings with expansion necessary to make these economic units are contemplated.

POWER PROJECTS

Total capacity of power plant installed in State (public sector): 68,000 K.W. Total effective capacity: 43,600 K.W.

Name of the Station with location	Installed capacity in K.W.	Production in 1952 (in million units)
Central Thermal Station, Khaperkheda	30,000	73.81
Pilot Power Station, Raipur	4,000	3.80
Chandni Power House, Chandni	17,000	ready
Power House at Jabalpur (Licensees)	9,250	Not available
Power House at Katul (Licensees)	3,300	"

POWER PROJECTS UNDER EXECUTION

Name of Power Project and location	Installed capacity in K.W.	When started	When to be completed	Cost in lakhs of rupees	Financing Body
Ballarsha Power Station, Ballarsha	24,250	Oct. 1952	End of 1955	200.00	M.P.E.B.
Harsil Power Station, Harsil	3,000	1953	End of 1955	16.03	M.P.E.B.

CO-OPERATION

Number of Co-operative Societies during the year ending 30th June 1952: 10,370.

Membership of Co-operative Societies: 5.25 lakhs.

Total working capital Rs 1,030.40 lakhs.

Types of Co-operative Societies and number of each type: Provincial Co-operative Bank (1); Central Banks (41); Land Mortgage Banks (12); Co-operative Institutes (5); Provincial Weavers' Society (1); Provincial Marketing Society (1); State Co-operative Federation (1); Urban Bank (1); Grain Banks (2); Multi-purpose Societies (899); Co-operative Farming Societies (7); Milk Societies (9); Ghee Societies (9); Agricultural Credit Societies (8,083); Non-agricultural Credit Societies (239); Consumers' Societies (449); Agricultural and Growers' Associations (90); Housing Societies (15); Primary Weavers' Societies (273); Seed Unions (14); Industrial Societies (73); Fishermen's Societies (12); Hospital and School Stores (14); Ex-servicemen and Refugee Societies (11); Cattle Breeding and Pashu Sudhai Societies (33); Motor Transport Societies (8); Better Living and Thrift Societies (30); Other Societies (25).

Number of Central and District Co-operative Banks: 41.

Provincial Co-operative Bank:—One.

Working Capital: Rs 2,48,85,180; Deposits: Rs. 2,16,69,002; Paid-up Share Capital: Rs. 10,95,710; Reserve and other funds: Rs. 13,65,931; Dividend for the year: 5 per cent.

Budget allotment for the Co-operative Department for the year 1953-54: Rs 12,28,000.

Total production in 1952: 129.48 million units.

Number of units supplied to industry: 77.14 millions.

Number of units supplied to irrigation: 0.11 millions.

Number of units supplied by licensees and sanction holders for domestic purposes during 1952: 12.62 millions.

Number of units supplied by the Jabalpur and Katul Power Houses respectively for military purposes: 10.33 millions and 4.57 millions.

Details regarding major power stations in operation and those under execution are given in the tables below.

Estimated rise in output after completion of projects in execution: 128.8 million units.

Power Projects planned but not executed: Extension to Raipur Pilot Power Station, Raipur; Extension to Licensee's Power House at Jabalpur; Extension to Licensee's Power House at Sagar.

Estimated rise in output when completed: 46.0 million units.

August 1939 as a base: October: 381; November: 380; December: 378; Annual average for 1952: 379.83.

Present average monthly earnings of a factory worker: Rs. 58 per month.

Average monthly earnings of a worker in the more important industries: Textiles: Rs. 72; Glass: Rs. 54; Cement and Potteries: Rs. 52; Electric and Power: Rs. 75; Bidi: Rs. 33; Ordnance factories: Rs. 83.

Number of trade disputes in 1952: 59; number of workers affected: 75,927.

Number of strikes: 42; workers affected: 49,787; Man-days lost: 1,18,804.

State laws affecting trade disputes: The C.P. and Berar Industrial Disputes Settlement Act 1947.

Number of Trade Unions in the State as on 31st March 1952: 117; total membership of trade unions: 44,000 on the basis of annual returns from 70 unions.

Labour Welfare Centres in the State: 7 of which one is run by the Government and the rest by industrialists.

Number of houses built through Industrial Housing Scheme: 60 quarters.

Number of families in registered factories provided with houses: 12,000 families out of 100,000 families.

HOUSING AUTHORITY

Name of the Housing Authority: The Madhya Pradesh Housing Board, constituted by the State Government under Section 3 of the M.P. Housing Board Act 1950.

Finance available for housing: Rs. 18,65,250. Sources of finance and how much from each.

Government of India to the extent of 50 per cent loan and 50 per cent subsidy.

Types of houses built: One room single storied tenements only. The Board is constructing 750 quarters for urban areas only.

Cost of each tenement: Rs 2,527. Rent charged for each tenement: Rs. 10 per month.

Private enterprises and local authorities can get loan and subsidy from the Government of India direct on the terms and conditions laid down under the Subsidised Housing Scheme.

Total number of houses that may be required: 50,000.

Housing plans for the future: The M.P. Housing Board is proposing to construct quarters at other places in addition to 750 quarters, construction depending upon the financial help from the Centre.

POPULATIONS OF DISTRICTS

Nagpur 1,231,556; Wardha 538,903; Chanda 977,618; Chhindwara 1,080,491; Betul 451,655; Bhandara 1,071,657; Jabalpur 1,045,596; Sagar 993,654; Mandla 517,620; Hoshangabad 847,898; Nirmar 523,496; Balaghat 693,379; Raipur 1,040,006; Bilaspur 1,679,637; Durg 1,181,756; Bastar 913,746; Surguja 822,041; Rajgarh 919,520; Amravati 1,031,160; Yeotmal 931,982; Akola 950,991; Buldana 870,168.

ADMINISTRATIVE PERSONNEL

GOVERNOR.

Dr. Bhograju Pattabhi Sitaramayya.

PERSONAL STAFF

Secretary and Military Secretary, P. R. Rajgopal, I.P.S.

Private Secretary, B. Radhakrishna.

Aide-de-Camp, M. N. Gadgil, I.P.S.

MINISTERS

Pandit Ravi Shankar Shukla, Chief Minister. Durga Shankar Kripa Shankar Mehta, Minister for Industries.

R. K. Patil, Minister for Development.

Purushottam Kashirao Deshmukh, Minister for Education.

EDUCATION

Total Government expenditure on the following items:—Nursery Schools: Rs 24,570; Primary Schools: Rs. 1,48,13,499; Secondary Schools: Rs. 1,28,95,068; Arts and Science Colleges: Rs 20,95,705; Professional Colleges: Rs. 32,85,004; Teachers' Training Institutes: Rs. 6,56,409; Commercial and Technical Institutions: Rs. 69,007; Universities: Rs. 18,70,460; Schools for Defectives: Rs. 29,118; Social Education: Rs. 26,02,838.

Details regarding Schools for Defectives:—Number of institutions: 3; number of boys: 101; Teachers: 10; Government expenditure: Rs. 29,118.

Social Education: Number of institutions: 21,380; Number of boys: 3,82,962; Girls: 1,30,034; Government expenditure: Rs. 26,02,838.

For other statistics see general section on Education.

LABOUR

Total number of registered factories in the State: 1,930.

Average daily number of workers in registered factories: 1,15,787; number of women: 25,750; children: 202.

Industries in which a minimum wage is fixed: Oil mills, Glass, Cement, Potteries, Public Motor Transport, Rice, Flour or Dal mills, Local Authorities, Road Construction or Building, Operations, Stone breaking or Stone crushing, Tobacco (including Bidi making) manufactory, Lac Manufactory, Tanneries and Leather Goods Manufactory.

Cost of living index number for the industrial workers at Nagpur for the year 1952 with

Brijlal Nandlal Biyani, Minister for Finance.
Bhagwantrao Mandloi, Minister for Revenue.
Shankarlal Tiwari, Minister for Agriculture.
M. S. Kannamwar, Minister for Public Health.
Raja Nareschandra Singh, Minister for Tribal Welfare.
Dindayal Gupta, Minister for Food.

DEPUTY MINISTERS

Prem Shankar Laxmishankar, Dhagat, Deputy Minister for Finance.
Raja Bahadur Birendra Bahadur Singh, Deputy Minister to the Chief Minister.
Shrimati Prabhavati Jankatdar, Deputy Minister for Industries.
A. Q. Siddiqi, Deputy Minister for Education.
Ganeshram Anant, Deputy Minister for Agriculture.
Vasantrao Phulsing Naik, Deputy Minister for Revenue.

SECRETARIAT

Chief Secretary to Government, K. B. L. Seth, M.A., B.Sc., LL.B., I.C.S.
Finance, Commerce and Industry, N. T. Mone, I.C.S.
Revenue & Land Reforms, B. L. Pandey, I.A.S.
Separate Revenue, Registration and Rehabilitation, R. R. Singh, I.A.S.
Survey & Settlement and Land Records, S. M. Seth, M.Sc., I.A.S.
Food, Civil Supplies and Public Health, B. P. Pathak, I.A.S.
Agriculture and Co-operation and Addl. Secretary, Commerce and Industry, R. C. Murab, M.A., LL.B.
Labour and Additional Secretary to Government, Police, General Administration and Political & Military, B. N. Kumbhojkar, B.Sc., LL.B., I.A.S.
Law, T. C. Shrivastava
Addl. Secretary, Education, R. P. Naik, I.C.S.
Local Self-Government and Forest Department, M. K. Kher, I.A.S.
Planning and Development, S. N. Mehta, I.C.S.
Tribal Welfare, Public Works and Electricity, R. R. Bahl, I.C.S.
Legislature Assembly, K. K. Rangole.

DEPUTY SECRETARIES

Law, J. S. Dave, M.A., LL.B.
Appointments, Jail, Police, M. S. Choudhary, I.A.S.
Finance (Development), V. Krishnamurti.
Ex-officio Dy. Secy., Food, S. B. Mukode.
Publicity, V. S. Krishnan, M.A. (Mad.), M.A. (Oxon.).
Finance, P. Sivaraman.
Education, S. N. Limaye.
Planning, T. N. Babel, I.A.S.
Public Works, M. P. Mishra.

HEADS OF DEPARTMENTS

Accountant-General (Central Govt.), V. T. Sreenivasan.
Commissioner of Income-Tax (Central Govt.), H. R. Agnihotri.
Postmaster-General, Central Circle (Central Govt.), L. I. Sajani.
Collector, Central Excise, R. N. Misra.
Inspector-General of Police, P. C. Saksona, I.P.
Director of Health Services and Inspector-General of Prisons, Dr. T. D. Shahani.
Chief Engineer, Public Works Department, R. K. Batra, B.A.
Chief Engineer and General Manager, Electricity Department, Lt.-Col. E. G. Mackie, M.A., I.E.E., M.I.M.E., A.I.E.E.
General Officer Commanding, Home Guards, M. Ghose, M.A.

Chief Conservator of Forests, Lakshpat Rai, M.A. (Oxon.), B.Sc.

Excise Commissioner and Registrar of Births, Deaths and Marriages, R. R. Singh, I.A.S.

Commissioner of Settlements & Director of Land Records, S. M. Seth, M.Sc., I.A.S.

Development Commissioner, S. N. Mehta, I.C.S.

Director of Transport Services and Director of Industries, P. T. Koman Nayar, B.A., B.Sc. (Tech.).

Director of Veterinary Services, R. N. Pendharkar, M.A., Ph.D.

Director of Public Instruction, M. H. Modak, M.A., Ph.D.

Labour Commissioner and Chief Inspector of Factories, P. K. Sen, B.Sc. (Edin.).

Director of Agriculture, R. N. Pendharkar

Director of Geology & Mining, S. K. Barooah, B.Sc., A.R.S.M.

Director of Information and Publicity, I. S. Parihar.

Textile & Yarn Commissioner, S. B. Pendharkar, B.A., LL.B.

Registrar, Co-operative Societies and Registrar, Joint Stock Companies, Dr. B. G. Ghate, I.C.S.

Public Health Engineer, Parte Singh, B.A., C.E., M.Sc. (U.S.A.)

Director of Tribal Welfare, D. L. Dubey

Director of Social Welfare, G. I. Shukla

Superintendent, Government Printing, V. K. Aiyar, B.A., B.L.

Additional Custodian, Evacuee Property, K. L. Varma, M.A., LL.B.

PUBLIC SERVICE COMMISSION

Chairman, Dr. V. S. Jha, B.A., Ph.D.
Members, Dr. H. C. Seth, M.A., Ph.D.; S. S. Pandey, Advocate; E. M. Joshi, Bar-at-Law

HIGH COURT

B. P. Sinha, Chief Justice
M. Hidayatullah, Bar-at-Law
K. T. Mangalamurti, I.C.S.
R. Kaushalendra Rao, Bar-at-Law
J. R. Mudholkar, Bar-at-Law
V. R. Sen, M.A., B.Sc., LL.B.
P. P. Deo, M.A., LL.B.
B. K. Choudhuri, B.A., LL.B.
G. P. Bhutta, B.A., LL.B.
Y. S. Tambe
T. I. Sheode
J. N. Datta

Puisne Judge

Advocate General

Registrar

GOVERNORS.

H. E. Sir Frank Sly, K.C.S.I., I.C.S. .. 1920
H. E. Sir Montagu Butler, K.C.S.I., C.B., C.I.E., C.V.O., C.B.E., I.C.S. .. 1925
H. E. Mr. J. T. Marten, C.S.I., I.C.S. (Officiating) .. 1927
H. E. Sir Montagu Butler, K.C.S.I., C.B., C.I.E., C.V.O., C.B.E., I.C.S. .. 1927
H. E. Sir A. E. Nelson, K.C.I.E., O.B.E., I.C.S. (Officiating) .. 1932
H. E. Sir Montagu Butler, K.C.S.I., C.B., C.I.E., C.V.O., C.B.E., I.C.S. .. 1932
H. E. Sir Hyde Gowan, K.C.S.I., C.I.E., V.D., I.C.S. .. 1933
H. E. Mr. E. Raghavendra Rao, Bar-at-Law (Officiating) .. 1936
H. E. Sir Hyde Gowan, K.C.S.I., C.I.E., V.D., I.C.S. .. 1936
H. E. Sir Hugh Bomford, C.I.E., I.C.S. .. 1936
H. E. Sir F. V. Wylie, K.O.S.I., C.I.E., I.C.S. .. 1938
H. E. Sir H. J. Twynam, K.O.S.I., C.I.E., I.C.S. .. 1940
H. E. Mr. F. C. Bourne, O.S.I., C.I.E., I.C.S. (Officiating) .. 1945
H. E. Sir H. J. Twynam, K.C.S.I., C.I.E., I.C.S. .. 1945
H. E. Sir Frederick Chalmers Bourne, K.O.S.I., C.S.I., C.I.E., I.C.S. .. 1946
H. E. Shri Mangaldas Mancharam Pakvasa .. 1947

LEGISLATIVE ASSEMBLY

(For list of members see under General Elections)

UNIVERSITIES

Nagpur University

Teaching, affiliating, University Colleges 3, departments 4, affiliated Colleges 16, Students 10,310 (approx.).

Sagar University

Colleges affiliated 19, Students 950 (approx.).

COLLEGES

Nagpur University :

Laxminarayan Institute of Technology, Nagpur.
 University College of Law, Nagpur.
 University Training College, Nagpur.
 Central College for Women, Nagpur.
 College of Agriculture, Nagpur.
 College of Science, Nagpur.
 D. S. D. National College, Nagpur.
 G. S. College of Commerce, Wardha.
 G. S. College of Economics and Commerce, Nagpur.
 G. S. College of Science, Khamgaon.

Hispal College, Nagpur.
 Medical College, Nagpur.
 Nagpur Mahavidyalaya, Nagpur.
 Rajasthan Aryan College, Basim.
 S. B. City College, Nagpur.
 Shri Shivaji College, Amravati.
 Sitabai Arts College, Akola.
 Vidarbha Mahavidyalaya, Amravati.

Sagar University

Chhatrisgarh College, Raipur.
 College of Science, Raipur.
 Diploma Training Institute for Men, Khandwa.
 D. N. Jam College, Jabalpur.
 G. S. College of Commerce and Economics, Jabalpur.

Kitkarini Law College, Jabalpur.
 Kitkarini Mahavidyalaya, Jabalpur.
 Law College, Bilaspur (M.P.).
 Law College, Madhapura, Raipur.
 Law College, Raipur.
 Mahakoshal Mahavidyalaya, Jabalpur.
 Mahila Mahavidyalaya, Jabalpur.
 M. P. Vidarbha Veterinary College, Jabalpur.
 New Arts College, Raipur.
 Parantya Shikshan Mahavidyalaya, Jabalpur.
 Shri Nikanteshwar College, Khandwa.
 St. Aloysius College, Jabalpur.
 S. B. R. Arts College, Bilaspur (M.P.).
 Training Institute for Women, Hawabag, Jabalpur.

ASSOCIATIONS

ALL-INDIA VILLAGE INDUSTRIES ASSOCIATION

Address : Maganvadi, Wardha (Madhya Pradesh).

The object of the Association is the relief and service of the poor in the villages by all means including village reorganisation and reconstruction, the revival, encouragement and improvement of village industries and the moral and physical advancement of the villagers of India, and to undertake all other activities of a public nature calculated to achieve the above object.

Trustees :—Dr. Gopichand B. Bhargava (Simla); Dr. Khan Sahib (Frontier); J. C. Kumarappa (Wardha), Valkunth L. Mehta (Bombay).

Board of Management :—J. C. Kumarappa (President, Maganvadi, Wardha); S. B. Mandagere (Secretary, Maganvadi, Wardha); Smt. Goshiben Captain (Andheri, Bombay); Dhiren Majumdar (Gandhi Ashram, Raniwan, P.O. Goshalganj, Fyzabad); G. Sitaram Sastry

(Vinayashram, Guntur, S. India), R. R. Keithabh (Gandhigram, P.O. Chinnalapatti, Madurai), A. W. Sahasrabudhe (Congress House, Poona 5).

In 1950 the Association merged into the Akhil Bharat Sarva Seva Sangh becoming its Gram Udyog Vibhag

THE CHRISTIAN MEDICAL ASSOCIATION OF INDIA, PAKISTAN, BURMA AND CEYLON

Office Nelson Square, Nagpur

The Christian Medical Association of India, Pakistan, Burma and Ceylon seeks to be the means of mutual help among Christian Doctors in carrying on and securing greater efficiency in their work. This mutual sharing of experience and discussion of common problems is carried on through Biennial General Conferences, annual conferences in the Hill Stations of Kodaikanal, Landour and the Nilgiris, and in Regional Conferences held from time to time in various parts of the countries. It is also promoted through the columns of the Journal of the Christian Medical Association published bimonthly and through the visits and counselling of its two full-time Secretaries. It has assisted in the development of the Christian Medical College at Vellore and through its Nurses Auxiliary has played a large part in the development of Nursing Education.

Its membership is open to Christian Doctors with registrable qualifications regardless of their field of service

President—Dr. Hilda M. Lazarus, O.B.E., F.R.C.S., D.C.O., M.R.C.O.G., F.A.C.S.

Vice President—P. D. Sukhmandah, F.O.P.S.

Editor—H. H. Ganes, M.D.

Secretary-Treasurer—E. W. Wilder, M.D., Nelson Square, Nagpur.

Secretary-Treasurer of Nurses Auxiliary—Alice Clark

NURSES AUXILIARY OF THE CHRISTIAN MEDICAL ASSOCIATION OF INDIA, PAKISTAN, BURMA AND CEYLON

Office Nelson Square, Nagpur

An organisation with similar aims for Nurses as those of the Christian Medical Association for Doctors is open to all Christian Nurses with registrable qualifications. Its General Conferences are held annually in odd years with the Christian Medical Association and in even years with the Trained Nurses Association of India, while area conferences are held frequently in various centres. It has played and still plays an important part in Nursing Education especially in the Madras and Central India Areas where it has its own Examining Board. It publishes a bimonthly magazine, *Nursing News*.

Officers—

President Miss F. E. Gruchy.

Vice Presidents—*Mid-India* John Harrison, *Bengal* Miss M. Hall and Miss A. Cargo, *North India* Miss J. C. Ross, *Bombay* Miss Rachel Thomas, *South India* Miss Alek Mathews.

Secretary-Treasurer—Miss Alice Clark, Nelson Square, Nagpur

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Directors, Sir Purshotamdas Thakurdas, K.B.E. C.I.E., Bombay, Sir Behram N. Karanjia, Kt., E. D. Sheppard, K. Krishna Rao (Financial Adviser and Chief Accounts Officer, Central Rly., Bombay) Govt. Director

Bankers, The Chartered Bank of India, Australia & China Bombay

Solicitors, Messrs Little & Co., Bombay

Auditors, Messrs A. F. Ferguson & Co. Bombay

Agents, Messrs Killick Industries Ltd., Bombay.

REGISTERED OFFICE OF THE COMPANY—Home Street Fort Bombay

MADHYA PRADESH TRADES AND PROFESSIONS

Abdulla Bhal & Sons, Dr., Juma Masjid, Jabalpur
Allahabad Bank Ltd., Civil Lines, Jabalpur.

ALLIED COMMERCIAL CORPORATION, Importers and Exporters. Dealers in Electric goods and Machinery (also selling Hardware, Building Materials), Itwari, Nagpur 2. Branch: Bombay. Managed by C. D. Shah & Co. Phone: 2819. Grams: "ALLIEDCO"

BAIJAL, B. N., Manufacturing Opticians, Sitabuldi, Nagpur.
Bhargava Commercial Bank Ltd., Jabalpur.

Bhatia Corporation, Bombay House, Jabalpur Importers, Exporters and Manufacturers' Representatives

Bhatia Morarji Dhanji Bhal, Jawaharganj, Jabalpur Importers and Exporters

Bombay Cycle Stores, Marhatal, Jabalpur, M.P.

Chiranjilal & Sons, 25/A, Jabalpur Cantonment. Distributors of Dry Battery Radio Players

DAYABHAI MAUJI, Prop.: Amritlal Dayabhai. Authorised Distributors for 1. Imperial Chemical Industries (India), Ltd., 2. Lever Brothers (India), Ltd., Grains and Kirana, Oil and Oil-seeds Merchants and Commission Agents, Yeotmal. Phone: 4, Residence: 4-A. Grams: "JAI-HIND."

Delite Talkies, South Civil Lines, Jabalpur

Dominion Law Reporter, 341 Tikker Road, Dhantoli, Nagpur 1

Dunns, T. O., Lime and Bauxite Mines, P. O. Katni, Jabalpur, M.P.

Eastern Mineral Industries, Dealers in Minerals of all kinds, Katni

Educational Book Depot, Second-hand College Books, Jabalpur

Empire Engineering Works, Jabalpur.

Franklyn-Woods, Dr., B., Dental Surgeon, 49, Denning Road, Jabalpur.

G. G. Subedar, M.B.B.S. (Lucknow), Dr., 1931, Jabalpur, M.P.

Girija Prasad Jalchandra, Gol Bazar, Katni. Merchants, Contractors and Dealers in Katni Products.

Goolam Ally & Sons, "Darus Salaam", General Merchants & Army Contractors, Jabalpur.

Gopal Plywood Industries, The, Madan Mahal, Jabalpur.

Gujarat Boot House, Netaji Subash Chandra Road, Jabalpur

Hindustan Mineral Industries, Head Office Katni, M.P. Branches: Mines—Shankergarh and Bargarh, Central Rly. (Best Silica Sand for glass and other purposes) Tel. Address: "Silica" Codes Bentley's.

Hussain, G. K., & Co., Cantonment, Jabalpur. General Merchants

Imperial Bank of India, Jabalpur.

Imperial Pharmacy, Wholesale and Retail Druggists and Dispensing Chemists, Jabalpur

Imperial Tobacco Co. of India Ltd., 111 A, Sleeman Road, Jabalpur.

Industrial Stores Co., Ghat Road No. 2, Nagpur (M.P.)

Jackson's Auction and Furniture Mart, Cabinet Makers and Furniture Hirers, Jabalpur.

Jackson's Hotel, Jabalpur, Boarding and Lodging.

Jubbulpore Automobiles, East Street, Cantt., Jabalpur.

Jubbulpore Electric Supply Co. Ltd., Jabalpur.

Khushal Chand Nirmal Kumar, Jewellers, Bankers, Gold and Silver Merchants, Sarafa Bazar, Jabalpur.

Kingsley & Co., Confectioners, Caterers, 18, Civil Station, Jabalpur, M.P.

Macpherson & Co., Mine Owners, P.O. Bandhi, Jabalpur.

Madanmahal Industries, The, near Madanmahal Railway Station, Amanpur, Jabalpur.

MALAIYA OIL MILLS, Saugor, M.P. Manufacturers of Til Oil, Linseed Oil, Groundnut Oil and Niger Oil. Also Soap and Dal Manufacturers. Other Concerns: Shremik Oil Mills, Satna, U.P.

Modern Book House, 286, Jawaharganj, Jabalpur, M.P.

Mohar Singh Jagan Prasad, Katni, M.P. (India).

Motor House, 106, Wright Town, Jabalpur.

Narayan Printing Press, Rajnandgaon (M P)

National Industries, Suppliers of Minerals and Forest Products, Katni, M.P.

Oriental Government Security Life Assurance Co. Ltd., Jabalpur.

Patel, J. L., & Sons, Machinery Merchants, Jabalpur.

PERFECT POTTERY CO. LTD., Jabalpur (Estd. 1905).

Head Office and Works: Jabalpur, M.P. Tel. Address: "STONEWARE". Telephone No. 99. Manufacturers of Stoneware pipes and fittings, Sanitarywares and Crockery, Fire bricks, Flue covers, Seating blocks and all other Refractory articles. Branches at: Madras, Calcutta, Kanpur and Delhi. Stockists in all important cities.

Plaza Talkies, Marhatal, Jabalpur

Rosalia & Sons, Fourth Bridge Road, Jabalpur Manufacturing Confectioners, Caterers and Bankers

S. Amar Singh Pall & Bros, Timber Merchants, Nerbudda Road, Gorakhpur, Jabalpur

Sanghi Electric Company, Jawaharganj, Jabalpur Wholesale and Retail Registered Dealers in Everything Electric.

Sanghi Emporium, Tilakbhum, Jabalpur. Telegrams: "Tripuri". Importers and Exporters of Electric Accessories, Machinery, Raw Materials, etc

Shambhu Nath & Sons, Cantonment, Jabalpur. Importers, Exporters, General Merchants and Ammunition Dealers.

Shree Krishna Talkies, Jabalpur.

Shyam & Laxmi Talkies, Jabalpur

Shyam Medical Hall, Andherdeo, Jabalpur Chemists & Druggists.

Shyam Stationery Mart, Andherdeo, Jabalpur. Stationers, Paper Merchants and General Order Suppliers

The Mahakoshal Metal Works, Ltd, Jabalpur

The Calcutta Shop, Netaji Road, Andherdeo, Jabalpur Dealers in Readymade Cloths, Hats and Umbrellas

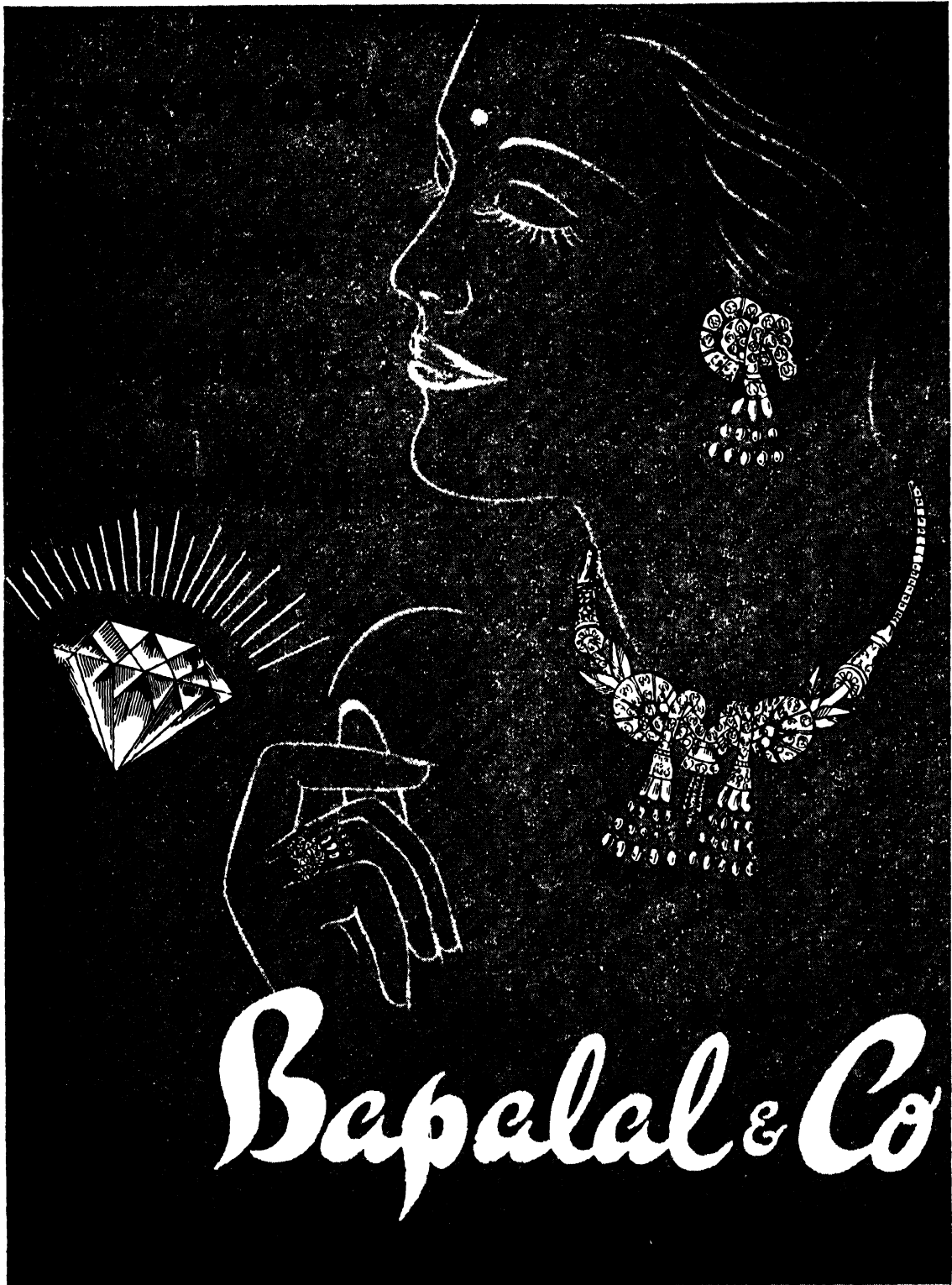
Thuber, S K, & Sons 656, Wright Town, Jabalpur, M P Dealers in Soapstone, Lime, Myrobalan and all Forest products

Tikaram Co Main Road Ycetmal Dealers in Radios, Electric goods, Watches and Cigarettes and Ditta Wholesalers

Tiwari, P. N, & Sons, Government Agents and Distributors, Jabalpur.

United Trading Co, Katni, M P (India) Manufacturers and Mine Owners

Victor, I, & Co, Tailors and Outfitters, Station Road, Jabalpur



MADRAS*

Area . 60,362 square miles , Pop. 35,736,489†
Capital : Madras.

Names of the Districts Madras, Chingleput, North Arcot, Salem, Coimbatore, South Arcot, Tanjore, Trichinopoly, Madura, Ramanad, Tinnevely, Nilgiris, Malabar, South Kanara.

Languages spoken . Tamil, Telugu, Malayalam, Kannada, Hindusthani and Tulu.

The vast majority of the people is of the Dravidian race.

INDUSTRIES

Chief industries : Textiles, engineering, sugar, tobacco, matches, oil making, bricks and tile manufacture.

Production of yarn : 470,007 bales. In the matter of cloth, the State's precedence is in the field of quality.

Sugar : The rated capacity of existing factories . 88,000 tons. Additional quantity sanctioned : 60,000 tons.

Automobile : Has two of the five manufacturing plants in the country. Is a pioneer in the production of component parts like pistons, wheels and rims, diesel engines, etc.

Cement : The capacity of the State is a little less than a third of the total capacity of the country.

Number of Cement factories and their output per year . 5 factories producing 7,95,000 tons per year.

Metals : The establishment of an electrometallurgical plant has been made a condition for the lease of manganese at Sandur. Magnesite is produced at Salem. The production of aluminium in Salem is awaiting supply of cheap electricity.

The State possesses the best steel ore in the world at Sandur.†† Plans for its exploitation await the availability of lignite.

Lignite . The pilot project for exploiting the lignite deposit in South Arcot District at an estimated cost of Rs. 70 lakhs, was inaugurated on March 5, 1953. Investigation revealed the existence of about 2,000 million tons of lignite (brown coal) in an area of about 100 square miles in South Arcot District at a depth of about 175 feet below ground level. The sample of lignite taken when processed compared favourably with grade 1 coal received from Bengal. Machinery worth Rs. 15 lakhs, has been lent by the Government for the pilot project. If the cost of extraction is less than about Rs. 30 per ton which is the price now paid for rail-borne coal, an abundant supply of motive power of industrial development at cheap rates, is assured for the State.

Spinning mills . 85 mills working at the end of 1952. (38 in Coimbatore District, 8 in Madurai, 7 in Tirunelveli and 6 in Tiruchirappalli Districts). One mill in Madras City is one of the biggest in the country employing nearly 16,000 workers. The largest employer of labour in the State is the textile industry.

The State has a leading position in the production of films as also in the manufacture of fountain pens.

The State is distinguishing itself in the production of textile machinery.

Cycle industry : Produces about 3,000 cycles out of a total production of 13,153 in the country.

Match factories : Madras together with the districts of Ramanathapuram and Tirunelveli employ about 7,088 workers.

Number of match boxes produced in the State : 8 million match boxes out of a total of 26 million match boxes in the country.

Number of tanneries . 267 employing 9,417 workers.

Value of exports of tanned hides and skins to overseas market . About Rs. 11 crores.

Important minerals with their output during 1951, within brackets : Mica (1,20,655 tons) ; Lime stone (1,12,103 tons) ; Barites (7,826 tons) ; China Clay (6,565 tons) ; Gypsum (24,699 tons) ; Magnesite (1,13,256 tons) ; Bauxite (1,111 tons).

TRANSPORT

Total mileage of roads : 13,498 miles.

Different classes of roads and the mileage of each class : National highways (1,978 miles) ; Provincial highways (3,131 miles) ; Major District roads (15,903 miles) ; Other District roads (7,661 miles) ; Village roads (10,302 miles) ; P.W.D. roads (711 miles) ; Municipal roads (3,816 miles).

Links of national highways within towns having a population of over 20,000 are at present being maintained entirely from State funds.

Total expenditure incurred on post-war road development works on Government roads up to end of 1952-53 . Rs. 5.1 crores.

The Bus Transport in Madras City is Government owned . The transfer to public ownership was carried out in stages starting in October 1947 and ending in June 1948.

Number of routes on which Government are running buses : 45.

Total daily mileage . 36,000.

Number of suburban services owned and operated by Government . 8.

Number of mofussil services . 4.

The suburban and mofussil services operate from Madras to Nellore and Tirupathi.

Total number of buses operated by the Government : 338.

ELECTRIC POWER

The aggregate power demand in the State during 1951-52 : 166,275 k.W. Generation 806.15 million units.

Government-owned power stations . The three hydro-electric power stations at Pykara, Mettur and Papanasam. Two steam stations at Madurai, Madras.

Demand and generation in the Government owned power stations . 89 per cent and 97.50 per cent respectively of the total for the State. The balance is made up by power purchased from other sources and generated by the licensee's stations.

Total installed generating capacity of the Government owned stations . 1,96,079 k.W.

Total route mileage of Government transmissions and distribution lines at the end of 1951-52 . 11,268 miles (5,983 miles of H.T. and 5,285 miles of L.T. lines) which form 72 per cent of the total for the State, the rest belonging to private licensees and local authorities.

Total number of consumers served in the State in 1951-52 . 339,605.

Consumers served . Directly by the Government . 189,820. By the licensee distributing power purchased in bulk by the Government . 162,848. By the generating licensee . 6,937.

Total number of licensee undertakings which have vested in the Government by the end of 1951-52 . 31.

Net revenue to the Government from the electricity systems in 1951-52 . Rs. 167.28 lakhs yielding a net return of 7.07 per cent on the capital outlay.

Budget estimate for gross revenue for 1952-53 . Rs. 319.71 lakhs.

Budget estimate for capital outlay for 1952-53 . Rs. 710 lakhs.

Major new projects which have made considerable progress . Madras and Madurai Thermal Schemes.

An additional generating plant of 7,000 k.W. was commissioned at the Papanasam Power House in July 1951, under the Papanasam II stage extension.

LAND

Net area sown and its percentage to the total area . 31,822,514 acres and 39.1 per cent.

	Fallow	Other uncultivated lands	Lands not available for cultivation being roads, rivers, etc.
Area in acres	6,173,719	8,605,057	14,778,716
Percentage to total area	7.6	10.7	41.1

Area of the forests and percentage to the total area of the land during 1950-51 . 14,211,377 acres and 17.4 per cent.

Livestock census of 1951 . Cattle 19,116,675 ; Buffaloes 7,860,352 ; Sheep 15,161,169 ; Goats 7,424,842 ; Horses and ponies 66,890 ; Mules 689.

Statement showing the area under important food crops and the yield in 1951-52

	Area in acres	Yield in tons
Paddy	10,160,219	6,230,160
Millets	12,830,204	2,755,300
Pulses	2,920,018	247,460
Sugarcane	282,281	756,240**
Potatoes	18,646	46,540
Sweet Potatoes	50,903	193,770
Taploca	77,931	241,250

** In terms of jaggery.

The principal commercial crops of the State in order of the acreage under cultivation in 1951-52 were as follows

	Area in acres	Yield in tons
Groundnut	4,474,224	1,623,950
Cotton	1,768,032	111,090
Gingelly	774,980	84,750
Cocoanut	645,613	1,601,020 000 (nuts)
Tobacco	300,775	100,160
Pepper	110,757	7,420
Coffee	70,585	N.A.

Bananas, mangoes and citrus are the most important fruit crops of the State . The average area for three years ended 1951-52 under bananas was 160,260 acres with an yield of 1,099,338 tons ; under mangoes 259,863 acres yielding 718,880 tons ; under citrus fruits 58,162 acres yielding 140,870 tons.

* Particulars—apply to the undivided Madras State except the area, population, names of the Districts. Some particulars about the residuary State of Madras are given on page 869.

† Worked out from populations of Districts.

†† Now in Mysore.

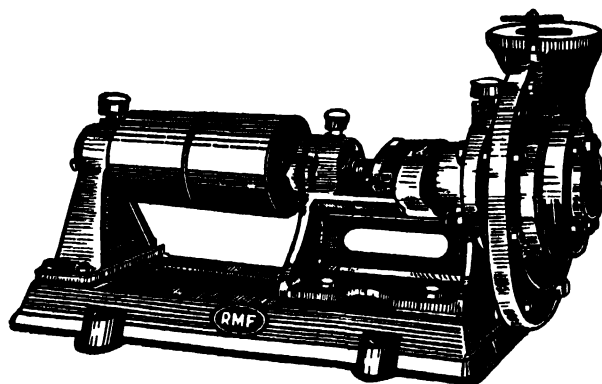
R. M. F. CENTRIFUGAL PUMPS

**R. M. F. PUMP
SETS, SUGARCANE
CRUSHER**

and

all other

agricultural implements



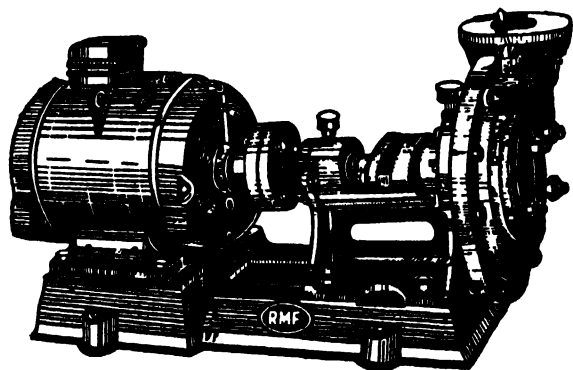
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IRRIGATION

Number of major projects under the irrigation programme of the State : 18.

All the major projects are under execution.

Estimated cost of these projects : Rs. 45.65 crores.

Total area expected to be benefited on completion of these projects : 7 lakh acres.

Number of schemes sanctioned as a short term measure and their cost : 330 schemes costing about Rs. 4 crores. Most of them have been completed.

Total area which will be irrigated by these schemes : 300,000 acres.

Old tanks, kassams and other irrigation sources, neglected for a long time in the areas taken over from the Zamindaris are also brought to standard under the scheme known as Tank Improvement Scheme.

Area of total cultivated lands : 32.264 million acres of which 10.144 million acres were under irrigation under the main sources, Government canals, tanks, etc.

FOOD POSITION

With the launching of the new food policy of decontrol and de rationing by the Government in June 1952, procurement and statutory rationing were completely abolished. The movement of rice and paddy within the State was restricted by formation of zones.

Informal rationing was, however, introduced in the highly deficit districts of Malabar and the Nilgiris and Hosdurg sub-taluk of South Kanara District. Fair Price Shops were also opened.

As a further step towards relaxation of control the supply of rice through fair price shops has been restricted to ex-statutorily rationed urban areas. The classification of cardholders as rice-eaters, mixed-diet-eaters and millet eaters has been abolished. The cardholders in the ex-statutorily rationed urban areas are permitted to draw wheat and/or millets within the overall ration of 10 ounces per adult per day, if they are willing to forego rice to the extent to which they wish to have the other grains in exchange.

The Fair Price Shops in rural areas other than the informally rationed areas issue only millets and/or wheat upto 10 ounces per adult per day.

With a view to meeting any possible emergencies, the Government promulgated a levy procurement Order to procure about 2½ lakhs tons of rice from certain surplus districts.

A total quantity of 1,78,988 tons of rice, 80,572 tons of wheat and wheat products, and 1,80,173 tons of other grains, which included a quantity of 7,027 tons of Madhya Pradesh jowar, were imported into this State during 1952.

CO-OPERATION

Number of co-operative societies in June 1952 : 25,241. Members : 37.25 lakhs.

Share capital : Rs. 1217.65 lakhs.

Working capital : Rs. 04.53 crores.

Total deposits held by the State Co-operative Bank on 30th June 1952 : Rs. 402.38 lakhs.

The State Co-operative Bank has continued to guide, supervise and control the financial policy of the Central Banks.

Total loans issued to Central Banks in 1952 : Rs. 975.62 lakhs.

Working capital of the co-operative central banks : Rs. 2185.85 lakhs.

Their net profits : Rs. 20.66 lakhs.

Co-operation played an increasingly useful role in the distribution of controlled commodities, in raising food production and the manufacture of handloom goods and cottage industrial products.

Number of milk supply unions on 30th June 1952 : 41.

Number of members on their rolls : 4,515 including 441 affiliated societies with a paid-up share capital of Rs. 3.59 lakhs.

Number of milk supply societies on 30th June 1952 : 722. Of these 281 functioned independently and the rest served as feeder societies to the unions.

Number of members on their rolls : 69,203.

Paid-up share capital : Rs. 9.95 lakhs.

Value of milk and milk products sold by these institutions during 1951-52 : Rs. 141.43 lakhs.

Number of co-operative primary stores on 30th June 1952 : 1,591 with 1,787 branches and sales depots and 24 wholesale stores.

The sales turnover of both primary and wholesale stores : Rs. 43.12 crores.

Purchases and sales of primary stores : Rs. 2,189.57 lakhs and Rs. 2,348.50 lakhs respectively.

Purchases and sales of wholesale stores : Rs. 1,836.34 lakhs and Rs. 1,924.00 lakhs respectively.

Important features of the working of the stores : Procurement and sale of foodgrains, distribution of mill cloth, chemical fertilisers and iron and steel, supplying articles to the Jails, Borstal schools and certified schools.

Central Land Mortgage Bank Ltd.: Amount of loans issued by the Bank in 1951-52 : Rs. 82.84 lakhs.

The Bank has floated its 48th series of debentures to the value of Rs. 72 lakhs bearing interest at 4½ per cent per annum and redeemable in 20 years, the issue price being Rs. 99.8 per cent.

Government's guarantee for these debentures : Rs. 7 crores.

Value of debentures in circulation on 31st January 1953 : Rs. 555.67 lakhs.

Total amount of loans outstanding at the end of 1951-52 : Rs. 484.97 lakhs.

LAW AND ORDER

Purely judicial work is discharged by magistrates who are under the administrative control of the High Court. The Collector of the District and his executive subordinates will have magisterial functions to the limited extent of the preservation of public order and prevention of crime.

The highest court for civil and criminal justice in the State is the High Court at Madras, consisting of a Chief Justice and 15 Puisne Judges.

For the administration of criminal justice there are 35 Sessions Judges in the mofussil (including six for Agency tracts), Additional and Assistant Sessions Judges being provided to assist courts in which there is heavy work.

The administration of civil justice is carried on by 27 District Judges, 60 Subordinate Judges and 162 District Munsiffs.

In Madras City there is a City Civil Court consisting of a Principal Judge of the rank of District Judge and three Additional Judges of the rank of subordinate judges. There is a Small Causes Court consisting of a Chief Judge of the rank of a District Judge and three Puisne Judges of the rank of subordinate judges.

Record of suits in Madras in 1951 : One suit for every 198 persons.

The Police Department is under an Inspector-General of Police who has six deputies, four in charge of ranges of the State, one in charge of the Railway Police and C.I.D. and the sixth in charge of the Madras City Police as Commissioner of Police.

A Superintendent of Police is stationed at each District.

Sanctioned strength of the permanent police force : 38,622 excluding the Malabar Special Police and the Special Armed Police Units.

HOUSING SCHEMES

An urban housing scheme was introduced in the middle of 1947. Accordingly housing committees were formed in about 200 urban and rural centres. By the end of March 1952, as many as 105 new urban housing societies were registered. Further, 20 housing societies which were functioning in the centres selected by housing committees, have been entrusted with the implementation of the urban housing schemes in their respective areas.

Co-operative House Building Society : acquires sites for the establishment of a co-operative housing colony and undertakes the construction of houses as the agent of its members, according to type designs on an approved lay-out plan.

The houses are built by the society and their cost is debited as loan against the member concerned.

2 Co-operative House Construction Society : based on the co-partnership tenancy system. It acquires sites, prepares a lay-out plan, constructs houses according to type designs and rents them out to its members on the hire-purchase system. Under the hire-purchase system, the tenant-member becomes the ultimate owner of the house if he makes an initial deposit equal to one-fifth the cost of the house before occupation and pays off the balance with interest in a period of 20 years.

The Society continues to be the owner of the house for a period of 10 years or till the cost of the house has been paid off, whichever is later.

3 Co-operative Township. This acquires extensive lands and lays them out into house-sites for the establishment of a new colony and advances loans to members for the construction of houses. It also provides and maintains civic amenities for the colony such as roads, parks, playgrounds, water supply, drainage and sewerage, street lighting, schools, hospitals, etc., thereby also functioning more or less like a Municipality.

Number of the various housing societies as on 31st March 1952 : Co-operative housing societies 235 ; House building societies 73 ; House construction societies 13 ; Co-operative townships 2.

Total number of members on their rolls with the paid-up share capital within brackets : 24,800 (Rs. 141 lakhs).

These societies are financed by the Government.

Loans disbursed by the Government to the societies from 1st April 1947 to 31st March 1952 : Rs. 282.25 lakhs.

Budget allotment for 1952-53 : Rs. 80 lakhs.

Government loans outstanding against co-operative housing societies at the end of March 1952 : Rs. 292 lakhs.

Loans outstanding against individual members in ordinary building societies, house building societies and co-operative townships at the end of March 1952 : Rs. 229.69 lakhs.

Lands acquired and handed over to co-operative housing societies by the staff for the acquisition of lands, till the end of March 1952 : 2,120 acres.

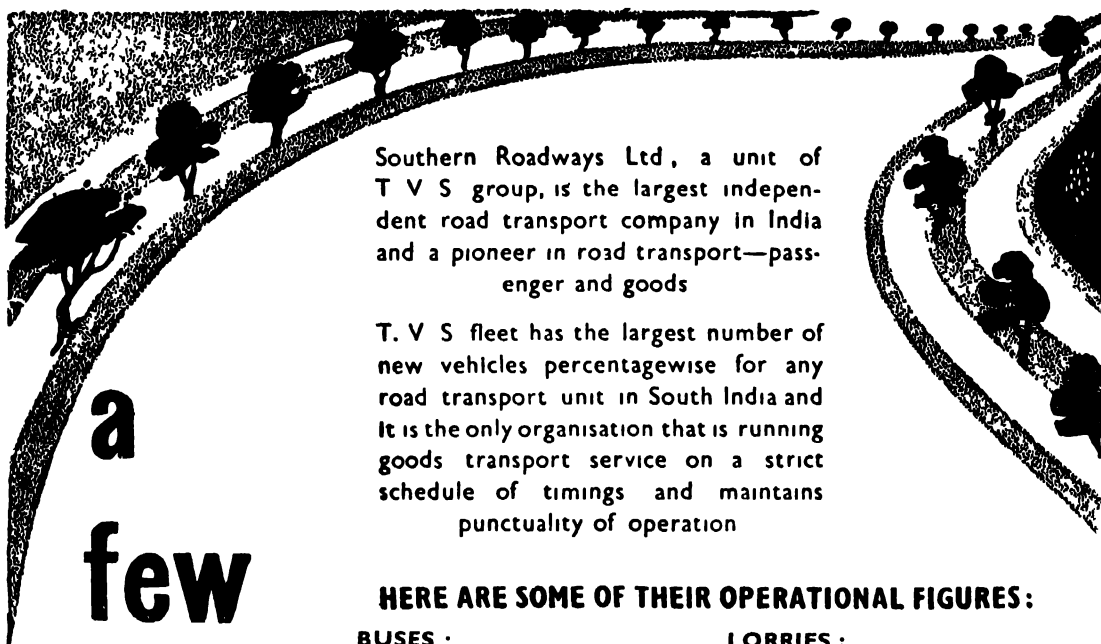
Total number of houses constructed by all types of housing societies with the aid of State loans till the end of 1952 : 5,825.

Number of houses under different stages of construction at the end of March 1952 : 1,940.

Co-operative housing colonies in existence under the urban housing scheme : Adyar, Ayyanavaram in Madras City, Perumalpuram in Palamcottah, Tanjore and Coimbatore.

Colonies nearing completion : Attur, Kovvur, Palani, Salem.

Colonies under construction : In 17 other centres in the State. Major portion expected to be completed during 1953-54.



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HERE ARE SOME OF THEIR OPERATIONAL FIGURES:

BUSES :

Number of buses	305
Number of bus routes	100
Total route mileage	2,725
Bus miles per year	13 millions
Number of persons carried every year	35 millions
Area of operation	15,146 square miles
Population served	71 millions
Average seating capacity	35

LORRIES :

Number of lorries	38
Routes operated	21
Area served	All districts South of Madras United State of Travancore - Cochin and Mysore
Route mileage	3 500
Lorry miles operated in a year	22 lakhs
Tonnage of goods transported in a year	48,000

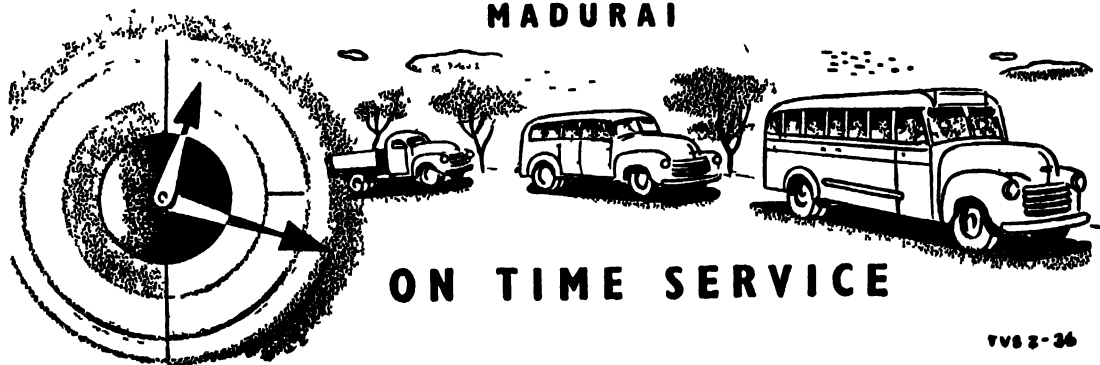
GENERAL :

Total number of employees	2,150
Salaries & Wages paid in a year	Rs 24 lakhs

Southern Roadways

LTD.

MADURAI



Government help to Co-operative housing societies: Provides long-term loans repayable in 20 years at comparatively cheap rates of interest. Introduced a rural housing scheme to enable solvent villagers to construct houses with the aid of the long-term Government loans.

Number of rural housing societies registered: 40.

Number of members at the end of March 1952: 775. Paid-up share capital, Rs. 1.13 lakhs.

Number of loans sanctioned upto end of March 1952: 12 loans amounting to Rs. 1.66 lakhs.

Number of houses constructed: 32 in four housing societies.

Budget allotment as loans to rural housing societies for 1952-53: Rs. 10 lakhs.

Help by the Madras Corporation: Has constructed so far nearly 2,000 tenements costing about Rs. 30 lakhs in different parts of the City, for housing its own employees. Has provided plots in well laid out colonies with all amenities for about 2,000 families.

Took up the Shenoy Nagar Housing Scheme in 1946-47: 126 houses already completed out of the 1,000 houses provided for in the scheme. Plinth area of these ranges from 638 square feet having a rent of Rs. 28 per mensem, to 2,381 sq. ft. having a rent of Rs. 160 per mensem.

62 houses of independent detached type for middle class group are nearing completion. Has constructed 40 small houses in Tondiarpet and Royapuram for the lower income group.

The Corporation raised loans from the Government for executing all these schemes.

Slums: There are 241 slums in the City. It was decided to raise a loan of Rs. 30 lakhs from the open market to improve the slums. Raised Rs. 15 lakhs as the first instalment of loan. Improvements effected in 52 slums, slums provided with dustless roads, drainage, lighting and water supply.

125 tenements are under construction for providing alternative accommodation for families shifted as a result of improving the slums. Besides, 25 acres of land is under acquisition. The land is to be divided into convenient plots and allotted to the families in slums.

The Corporation has launched upon a programme for constructing plinths and allotting them to tenants. Plinths are provided with water supply, F.O.S. for each plinth and gully connections to the sewer. Roads are laid and lighted. The tenants put up superstructures according to an approved design. Here the worker becomes the owner of the plot.

The establishment of a Housing Board for Madras City for undertaking housing schemes for the lower income groups, is under the consideration of the Corporation.

Coxcheri General Improvement Schemes: Taken up in 1948. Two blocks providing accommodation for 48 families completed. Other schemes, some of which have been approved by the Government and are in the initial stages of execution, are for clearing slums and for providing house plots to the poor and middle classes. Financed partly by Government and partly from the trust funds.

Housing of Harijans: Government have undertaken to provide every family of Harijans or convert from Harijans with houses-sites if they do not own one. Upto 1949 the Government bore the entire cost of lands acquired for communal and common purposes and half the cost of house-sites subject to the limits of Rs. 150, Rs. 250 and Rs. 350 per acre of dry, garden and wet lands respectively, the remaining cost being recovered from the Harijans in easy annual instalments. Assignments ordered to be free of cost from 1949 if Harijans are unable to pay.

Number of house-sites assigned upto 1949-50 from lands at the disposal of Government: 29,208.

House-sites assigned by acquiring private lands at a cost of Rs. 21,23,716 46 001.

Industrial Housing: A sum of Rs. 9 lakhs has been allotted to Madras by the Government of India as interest free loans for encouraging industrial concerns to build good houses for their workers. The loan will cover two-thirds of the cost, the remaining one-third to be advanced by the employers. The amount has been allotted to four applicants.

Under the Subsidised Industrial Housing Scheme the Government of India propose to give to the companies 25 per cent of the total estimated cost of construction of houses including the cost of land as subsidy and 37½ per cent as loan at 4½ per cent per annum repayable in 15 years.

The companies have expressed their desire to take advantage of the subsidised housing schemes abandoning the old scheme. The question is under the consideration of the Central and State Governments in the light of the new development.

EDUCATION

The State-wide adoption of basic education, i.e. craft-centred education at the primary stage has been accepted as the aim of the Government. Accordingly, the existing elementary schools and ordinary training schools are being converted into the basic type. Year after year, new basic schools and basic training schools are also being opened.

Expenditure on education in the State in 1952-53: Rs. 1,200 lakhs.

Amount set apart for the first half of the year 1953-54: Rs. 650 lakhs.

Types of institutions with the total number of institutions and scholars respectively within brackets: Universities (3, 2,967), Colleges for General Education (66, 43,065), Colleges for Professional Education (31, 8,298), Colleges for Special Education (32, 1,515), High Schools (1,117, 602,645), Middle Schools (682, 55,014), Primary Schools (38,413, 4,070,079), Nursery Schools (26, 1,249), Schools for Professional Education (576, 46,208), Schools for Special Education (1,279, 49,525).

Total expenditure incurred on institutions in the State giving the different sources of money and actual amount drawn from the respective sources and spent on the institutions within brackets: Rs. 21,91,78,465. (Government Funds: Rs. 12,13,89,831), (District Board Funds: Rs. 2,53,34,800), (Municipal Board Funds: Rs. 83,12,199), (Fees: Rs. 3,59,83,604), (Endowments, etc.: Rs. 27,22,377), (Other sources: Rs. 2,54,35,654).

BUDGET 1953-54

Budget estimate for 1953-54: Revenue (Rs. 65,74,71,000); Expenditure (Rs. 65,74,51,000), Surplus (Rs. 20,000).

Total prohibition has been in force in the State since October 2, 1948, involving a loss of excise revenue of Rs. 16.5 crores. A sum of Rs. 11 lakhs in 1952-53 were set apart towards the payment of the balance of compensation to zamindars whose estates were taken over under the Zamindari Abolition Act, 1948. A provision of Rs. 25 lakhs has also been made for this purpose in the budget for 1953-54. The estates are being taken over in batches.

POPULATIONS OF DISTRICTS

North Arcot 2,850,157, South Arcot 2,776,767, Chingleput 1,853,619, Coimbatore 3,293,204, Malabar 4,758,342, Madras 1,416,050, Madurai 2,891,817, Nilgiris 311,729, Ramanathapuram 2,080,519, Salem 3,371,769, South Kanara 1,748,991, Tanjore 2,982,670, Tiruchirappalli 2,943,882, Tirunelveli 2,445,967.

RESIDUARY STATE

The following facts about the residuary State are available:

Total area: 3,86,32,000 acres. Forest: 59,19,000. Area not available for cultivation: 64,47,000. Other uncultivated land: 55,78,000. Current fallow: 56,17,000. Net area sown: 1,48,77,000. Total cropped area: 1,70,78,000. Area sown more than once: 22,01,000.

AREA AND CROPS IRRIGATED

Area irrigated by Government Canals in acres: 18,90,000 acres. Private Canals: 5,000. Tanks: 13,15,000. Wells: 10,19,000. Other Sources: 1,23,000. Total: 44,12,000.

Crops irrigated in acres: Rice: 37,50,000; Jowar: 3,19,000; Bajra: 1,23,000; Maize: 8,000; Ragi: 3,82,000; Wheat: 1,000; other cereals: 79,000. Total: 46,98,000.

Tur: 1,000 acres; other pulses: 19,000. Total: 20,000.

Total food grains: 47,18,000 acres.

Sugarcane: 1,25,000 acres.

Other crops: 98,000 acres.

Total food crops: 49,41,000 acres.

Cotton: 1,33,000 acres, other non-food crops: 3,15,000.

Total non-food crops: 4,78,000 acres.

Total: 54,19,000 acres.

AREA UNDER PRINCIPAL CROPS

Rice: 57,80,000 acres; Jowar: 17,78,000; Bajra: 13,30,000; Maize: 11,000; Ragi: 8,76,000; Small millets: 11,10,000; Wheat: 1,000; Barley: 1,000. Total cereals: 1,12,26,000.

Gram: 5,000 acres; Sugarcane: 1,33,000; Tobacco: 55,000.

Groundnut: 17,45,000 acres; Castor: 35,000; Sesamum: 3,73,000; Rape and Mustard: 1,000. Total oil seeds: 21,54,000.

Cotton: 8,81,000 acres.

PRODUCTION OF PRINCIPAL CROPS

Rice: 23,02,000 tons; Jowar: 1,56,000; Bajra: 2,62,000; Maize: 4,000; Ragi: 3,23,000; Small millets: 3,58,000; Wheat: 1,000 tons; Total cereals: 37,06,000.

Gram: 1,000 tons; Sugarcane (Gur or jaggery): 3,45,000; Tobacco: 24,000 tons.

Groundnuts in shell: 6,79,000 tons; Castor: 5,000; Sesamum: 39,000; Total oil-seeds: 7,23,000.

Cotton: 2,98,000 tons.

YIELD PER ACRE OF FOOD CROPS

Rice: 10.84 maunds; Jowar: 8.98; Bajra: 3.34; Maize: 10.69; Ragi: 10.05; Small millets: 6.77; Wheat: 3.30; Barley: 9.05; Gram: 4.23; Sugarcane (Gur or jaggery): 70.43.

YIELD PER ACRE OF CASH CROPS

Tobacco: 11.92 maunds; Groundnut (In shell): 10.60; Castor: 4.28; Sesamum: 2.83; Rape and mustard: 2.26; Cotton (Lint): 1.62.

DIVISIONS

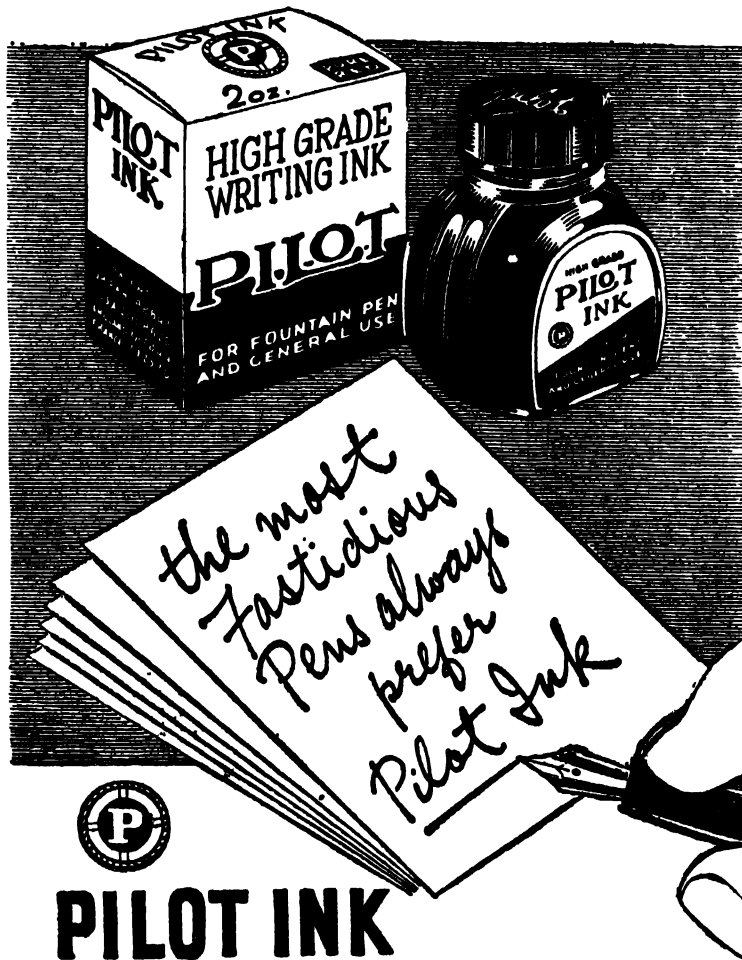
The 14 Districts of Madras are grouped into three divisions.

1. Madras with jurisdiction over Madras, Chingleput, North Arcot, South Arcot, Salem and Tanjore.

2. Madurai or Tiruchirappalli or Pudukkottai according to the availability of building with jurisdiction over Tiruchirappalli, Madurai, Ramanathapuram and Tirunelveli.

3. Coimbatore or Nilgiris according to the availability of building with jurisdiction over Coimbatore, Nilgiris, Malabar and South Kanara.

The District Commissioners look after the revenue work in their divisions and also co-ordinate development and nation building work.



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 Palai Post, Chingleput District, S. India
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"CATHOLIC CENTRE"
 Armenian Street, Madras I
 Telephone : 2325.

GOVERNMENT OF MADRAS*

ADMINISTRATION

GOVERNOR

Sri Prakasa.

PERSONAL STAFF

Comptroller, Governor's Household, N Parasuraman.*Military Assistant*, Major Rajkumar Dasu, Bhagvandas, Engineers.*Honorary Surgeon*, Dr. Wuyyuru Achiah Naidu.*Aide-de-Camp*, Capt. K. T. Bopaya, Signals.*Hon. Aide-de-Camp*, Hon. Capt. Madaswamy Govindaswamy, late of Army Service Corps.

CABINET

Chief Minister, Public, Home (Police), K. Kamaraj Nadar.*Health, Co-operation, Housing, Ex-Servicemen*, A. B. Shetty.*Agriculture, Animal Husbandry, Women's Welfare, Industries and Labour*, M. Bhaktavatsalam.*Finance, Food, Education, Law Courts and Prisons*, C. Subramaniam.*Transport, Harijan Uplift, Hindu Religious Endowments, Registration and Prohibition*, B. Parameswaran.*Public Works*, Shanmuga Rajeswara Sethupathi (Raja of Ramnad).*Revenue*, M. A. Manickavelu Nalcker.*Local Administration*, S. S. Ramaswamy Padaychi.

SECRETARIAT

CHIEF SECRETARY'S BRANCH

(Deals with the services, law and order, preventive detention, High Court Judges, military, internal security and aliens.)

Chief Secretary, K. Ramunni Menon, I.C.S.*Chief Electoral Officer and Ex-Officio Deputy Secretary*, M. A. Sheriff, I.A.S.*Deputy Secretary*, T. N. Lakshminarayana, I.A.S.*Under-Secretary*, R. Balasubramanian, I.A.S.*Private Secretary to Chief Secretary*, G. Ramachandran, I.A.S.

AGRICULTURE DEPARTMENT

Secretary, R. A. Gopalaswami, I.C.S.*Addl. Secretary (Ex-Officio) and Director of Community Projects*, T. S. Ramachandran, I.C.S.*Joint Secretary (Ex-Officio) and Director of Rural Welfare*, G. Venkatachalapathy.*Deputy Secretary*, N. Murugesu Mudalliar.*Deputy Secretary, Rural Development Projects*, N. V. Sugavanand, I.A.S.*Assistant Secretaries*, N. Adiseshan; C. Ramachandra Chetty; V. Vasudevan; M. Sargunam.

FINANCE DEPARTMENT

Secretary, T. A. Verghese, I.C.S.*Deputy Secretary*, K. Srinivasan, I.A.S.*Addl. Deputy Secretary*, R. Rangachari, B.A. (Hons.).*Assistant Secretaries*, P. Subramania Iyer, B.A. (Hons.); D. J. C. Devakadaksham, B.A.; S. Ramakrishna, B.A.

HEALTH, EDUCATION, LOCAL ADMN.

Secretary, S. Venkateswaran, I.C.S.*Deputy Secretary*, Syed Abdus Subhan, I.A.S.*Additional Deputy Secretary*, J. I. Arputhanathan.*First Assistant Secretary*, V. Ramaswami Iyer.*Second Assistant Secretary*, K. Somasundaram Chettiar.*Third Assistant Secretary*, C. Natesa Mudaliyar.

HOME DEPARTMENT

(Deals with Jails, Motor Vehicles Act, Arms Act, Passports, prohibition, separation of the Judiciary from the executive, rent control, displaced persons and evacuee property.)

Secretary, T. N. S. Raghavan, I.C.S.*Deputy Secretary*, J. Subbuswamy, I.A.S.*Addl. Deputy Secretary*, Y. Sivaranna Menon*Special Officer for revision of Court Fees Act*, C. S. David*Under-Secretary*, S. Chidambaram, I.A.S.*Assistant Secretaries*, P. P. Sreekumara Panikker, S. Balakrishnan, V. Thillaiyandian, M. Babu Shetty

INDUSTRIES LABOUR AND CO-OPERATION DEPARTMENT

Secretary, J. M. Lobo Prabhu, I.C.S.*Deputy Secretary*, S. Aruldoss, I.A.S.*Assistant Secretaries*, S. Sankaralinga Doss, B.A.; C. P. Gopalan Nayar, B.A. (on leave); P. Ambikathan Pillai, B.A.; T. V. Krishnakutty Warrier, B.A. (Hons.); A. Somasundara Mudalliar, B.A.

LAW DEPARTMENT

Secretary and Remembrancer of Legal Affairs, V. Subrahmanyam.*Joint Secretary*, A. Alagiriswami*Deputy Secretaries*, K. V. Gopalakrishnan Nayar, N. Swaminathan.*Assistant Secretaries*, S. Gopalakrishnaia, K. G. Viswanatha Ayyar; C. J. Venkatachari; K. S. Ramaswami Thevar.

PUBLIC WORKS DEPARTMENT

Secretary, T. M. S. Mani, I.C.S.*Deputy Secretary*, M. S. Ram, I.A.S.*Additional Deputy Secretary*, T. V. Natesa Mudalliar, B.A.*Assistant Secretaries*, D. Amalorpavanathan, B.A.; S. Krishnamachari, M.A.; A. John Chandy, B.A.; V. M. Vaidyanathan.

REVENUE DEPARTMENT

Secretary, S. K. Chettur, I.C.S.*Deputy Secretary*, T. J. Jacques, I.A.S.*Addl. Deputy Secretary*, A. R. Rajarathnam, I.A.S.*Under-Secretary*, C. V. R. Panikkar, I.A.S.*Assistant Secretary*, L. S. Rangaswamy.*Addl. Asstt. Secretary*, P. Arumuga Mudalliar.*Acting Addl. Asstt. Secretary*, T. Nambi Nair.

ACCOUNTANT GENERAL'S OFFICE

Accountant General, A. Balakrishnan.*Dy. Accountant General (Sr.)*, N. Narayanaswamy.*Dy. Accountant General (Sr.)*, D. A. Qadri.*Examiner, Outside Audit Department*, A. R. Shirall.*Examiner, Outside Audit Department (Commercial)*, T. Rajagopaln.*Asstt. Accountant General (Inspn.)*, A. S. Nageswaran.*Asstt. Accountant General (Inspn.)*, Gazetted Audit, R. Chinnappa.*Principal, S.A.S. Try. School*, P. K. Gnanasagaram.*Principal, I.A.S.S. Try. School*, V. K. Subramanyam.

AGRICULTURAL DEPARTMENT

Director of Agriculture, M. S. Sivaraman, I.C.S.*Personal Assistant to the Director of Agriculture*, V. Seetharama Servai, B.A.*Headquarters Deputy Director of Agriculture (Engineering)*, B. M. Lakshminipathy Mudalliar, B.E.M.E., M.R.A.S.E.*Headquarters Deputy Director of Agriculture (Research)*, Dr. K. L. Nalk.*Headquarters Deputy Director of Agriculture (Inspection)*, S. N. Venkatramana Ayyar, B.A., B.Sc. (Ag.).*Accounts Officer*, K. Viswanathan Nair, B.A.*Gazetted Assistant, Office of the Director of Agriculture, Madras*, T. Natarajan, B.A., B.Sc. (Ag.).*Assistant Marketing Officer (Chemical Manures)*, D. Shanmugasundaram, B.Sc. (Ag.)*Headquarters Assistant Agricultural Engineer*, C. S. Sridharan, B.E. (Mech.), A.M.I., B.A. (Lond.).*Assistant Agricultural Engineer (Central Agricultural Engineering Stores)*, Madras, T. Radhakrishnan, M.A., B.A. (T.C.D.).*Junior Accounts Officer (Internal Audit)*, T. Krishna Shetty.*State Marketing Officer, Madras*, V. Satagopa Ayyangar, I. (Ag.).*Principal, Agricultural College*, R. Balasubramanian, B.A., B.Sc. (Ag.)

ANIMAL HUSBANDRY DEPARTMENT

Triplicane Post, Madras

Director of Animal Husbandry, V. R. Rajagopalan, D.M.V.C., Diploma in Bacteriology (Manchester).

CENTRAL EXCISE

Collector of Central Excise, A. C. Whitther.*Deputy Collector of Central Excise*, Vyas Dev.*Headquarters Assistant to the Collector of Central Excise*, C. J. Kendall.*Assistant Collector of Central Excise, Preventive Intelligence*, V. Ramiah.

CHIEF INSPECTOR OF FACTORIES

(Nungambakam, Madras 6).

Chief Inspector of Factories, Madras, P. V. Viswanathan.*Regional Inspector of Factories, Tiruchirappalli*, P. Periasayagam.*Regional Inspector of Factories, Madras*, T. V. Lakshmanaswamy.*Regional Inspector of Factories, Madurai*, T. Duraiswamy.*Regional Inspector of Factories, Coimbatore*, M. A. Natarajan.*Regional Inspector of Factories, Kozhikode*, C. T. Sreenivasan.*Regional Inspector of Factories, Coimbatore*, T. R. Srinivasan.*Inspector of Factories, Madras XIV*, P. R. Surendranathan.*Inspector of Factories, Madras XIII*, K. Alhppy.*Inspector of Factories, Vellore*, R. J. W. Moses.*Inspector of Factories, Tanjore*, S. Ranganathan.*Inspector of Factories, Madurai*, S. Paramanayakam.*Inspector of Factories, Tirunelveli*, V. Govind.*Inspector of Factories, Mangalore*, A. Mariappan.*Inspector of Factories, Salem*, P. Somasundaram.*Inspector of Factories, Tiruppur*, A. P. Balakrishnan.*Inspector of Factories, Coimbatore*, Dr. (Srimathi) V. Sundaram.

* Residuary State.

GOVERNMENT CINCHONA DEPARTMENT

Ootacamund.

Director, A. Yoganandaswami, M.A., M.Sc., Tech. (Manchester).
Personal Assistant to the Director, P. R. Shrinivasa Rao.
Chief Accountant, P. Kuttikrishnan Nair, B.A.
Manufacturing Chemist, Government Quinine Factory, Naduvattam, T. N. Ananthanarayanan, B.Sc. (Agri.), M.Sc.
Superintendent, Government Cinchona Plantations, Naduvattam, N. J. Sreshtha, B.Sc. (Agri.).
Civil Assistant Surgeon, Naduvattam, Dr. A. N. Sani Rao, M.B.B.S.
Superintendent, Government Cinchona Plantations, Anamallais, Cinchona P.O., K. E. George, B.A., B.Sc. (Hons.).
Cinchona Propagation Superintendent, Government Cinchona Plantations, Anamallais, M. Mohan Rao, B.Sc. (Agri.), M.Sc.
Medical Officer, Government Cinchona Plantations, Anamallais, Dr. V. K. Pillai, M.B.B.S.
Woman Assistant Surgeon, Government Cinchona Plantations, Anamallais, Dr. (Kumati) T. M. Sundari Bai, L.M.P.

CO-OPERATIVE DEPARTMENT

Chennai, Madras.

Registrar of Co-operative Societies, J. C. Ryan, M.A., I.A.S.
Joint Registrar and Deputy Commissioner, Prohibition (Amendment), A. Palanappa Mudaliar, M.A.
Jt. Registrar, V. Balasundaram, I.A.S.

CUSTOMS DEPARTMENT

Post Box No. 55, Custom House, Madras 1.

Collector of Customs, O. Krishnan
Asst. Collector of Customs (on leave), C. T. A. Pillai.
Asst. Collectors of Customs, M. Ganesh Rao, V. S. Ramaswamy Iyengar
Collector of Customs, Cochin, T. H. Butani.

EDUCATION DEPARTMENT

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Deputy Director of Public Instruction (Finance and Personnel), N. D. Sundaravadivelu, M.A., L.T.
Deputy Director of Public Instruction (Elementary Education), Dr. M. D. Paul, M.A., M.Sc., L.T., Ed.D. (Columbia).
Deputy Commissioner for Government Examinations, P. K. Ranganayakulu, B.A., L.T.
Principal, Presidency College, Madras, T. Balakrishnan Nair, M.A. (Lond.), L.T.
Principal, Teachers' College, Saidapet, T. P. Santanankrishna Naidu, B.A., L.T.
Divisional Inspector of Schools, Coimbatore, S. Mohamed Usman, M.A., L.T.
Divisional Inspector of Schools, Madurai, A. Gopala Iyer, B.A., L.T.
Principal, College of Engineering, Guindy, Lt.-Col. S. Paul, B.E.
Principal, Government College of Technology, Coimbatore, Major B. H. Marley, B.E.

ELECTRICITY DEPARTMENT

157, Mount Road, Madras 2.

Chief Engineer for Electricity, G. Sundaram, M.A., M.I.E.E. (Chartered Electrical Engineer).
Part-time Consulting Engineer to Government (Civil), S. R. Krishnamurthy, B.E., M.I.E. (Ind.), C.E. (Hons.).
Chief Operation Engineer (North), N. R. Narasimhamurthy, B.Sc. (Mysore Univ.), B.E.
Chief Operation Engineer (South), M. B. Kandaswamy, B.A., B.E., M.E. (Hons.), M.I.E. (Ind.).
Superintending Engineer, Technical (Electrical), V. P. Appadurai, B.A., Certificate of Proficiency in Electrical Technology at the Indian Institute of Science, Bangalore.
Superintending Engineer, Technical (Civil), H. Ananthayya, B.A., B.E.

Superintending Engineer, Madras Electricity System (Distribution), A. R. Narayana Rao, B.E. (Mech.), M.I.E.E. M.I.E. (Ind.), Certificate of Proficiency in Electrical Technology at the Indian Institute of Science, Bangalore.
Chief Electrical Inspector to Government, K. V. Karantha, M.A., Certificate of Proficiency in Electrical Technology at the Indian Institute of Science, Bangalore.
Superintending Engineer (Generation), Erode, V. K. Govinda Menon, B.Sc. (Engg.).
Superintending Engineer (Generation), Madras Electricity System, Madras, P. V. A. Narayana-murthy, B.E., Certificate of Proficiency in Electrical Technology at the Indian Institute of Science, Bangalore.
Superintending Engineer, Mettur Dam, K. M. Kuruvilla (Mechanical Engineer).
Superintending Engineer, Papanasam, I. Ekambaram, M.I.E. (Ind.) (Mech. Engr.), M.I.E. (Ind.).
Superintending Engineer, Pukara, Coimbatore, C. E. Prager, B.E. (AI).
Superintending Engineer, General Construction Circle, Tiruchirappalli, P. M. Chengappa, B.E., C.E., M.I.E. (Ind.).
Chief Controller of Accounts, Madras, K. M. Subramaniam.

FISHERIES

Director of Industries Fisheries and Controlled Commodities, E. P. Royappa, M.B.E. (Mly.), I.A.S.
Dy. Director of Fisheries (South), V. John, B.A., F.Z.S.
Dy. Director of Fisheries (North), D. D. Peter Devadas, B.A.

INCOME-TAX DEPARTMENT

Office of the Commissioner of Income-tax, Madras.

Commissioner of Income-tax, H. C. Chandhuri.
Inspecting Assistant Commissioner, Range I, N. H. Naygi.
Inspecting Assistant Commissioner, Range II, P. V. Kuruvilla.
Appellate Assistant Commissioner, 'A' Range, Syed Noor.
Appellate Assistant Commissioner, 'B' Range, J. Das.
Appellate Assistant Commissioner, 'C' Range, A. B. Sundarwan.
Appellate Assistant Commissioner, Tiruchirappalli (Vacant).
Inspecting Assistant Commissioner, Madurai Range, Madurai, R. Kodandarama Ayyar.
Appellate Assistant Commissioner, Madurai, C. A. J. Mascarenhas.
Inspecting Assistant Commissioner, Coimbatore Range, Coimbatore, S. M. Pal.
Appellate Assistant Commissioner, Coimbatore, S. Ramaswamy Ayyar.
Appellate Assistant Commissioner, Kozhikode, A. Francis Sawmy.

INDUSTRIES, FISHERIES AND CONTROLLED COMMODITIES DEPARTMENT

Director of Industries, Fisheries and Controlled Commodities, E. P. Royappa, I.A.S.
Joint Director of Industries and Commerce, P. Govinda Menon, B.E., M.I.E.
Deputy Director of Industries and Commerce (Marketing), V. S. Raghavan, M.Sc.
Deputy Director of Industries and Commerce, (General), V. Dattatreya, B.E.
Personal Assistant to the Director of Industries and Commerce, A. Dorairaj, B.A., B.L.
Industrial Engineer, S. Gopala Iyer.
Inspector of Industrial Schools, S. Dattatreya, B.E.
Accounts Officer, K. T. Karunakaran, B.A.
Special Engineer (Mines), C. S. Ramu, B.Sc. (Mech.).
Special Officer for Power Drills, R. Bharathan, L.E.E.
Deputy Director of Fisheries, D. Peter Devadoss, B.A.
Deputy Director of Fisheries, V. John, B.A., F.Z.S.
Special Officer, Iron, Steel and Cotton, D. Samuel, B.A.
Special Officer, Textiles, R. Sultramaniam, B.Sc., B.L.

INSPECTOR GENERAL OF PRISONS

(North Beach Road, Madras 1)

Inspector General of Prisons, Vacant.
Assistant Inspector General of Prisons, J. V. Willmott.

JUDICIAL DEPARTMENT

HIGH COURT OF JUDICATURE, MADRAS

Chief Justice, Rajamannar, Mr. Justice P. V., B.A., B.L.
Judge, Satyanarayana Rao, Mr. Justice P., M.A., B.L.
Judge, Govinda Menon, Mr. Justice P., B.A., B.L.
Judge, Subba Rao, Mr. Justice K., B.A., B.L.
Judge, Rajagopalan, Mr. Justice P., I.C.S.
Judge, Mack, Mr. Justice E. E., I.C.S., Bar-at-Law.
Judge, Somasundaram, Mr. Justice N., B.A., B.L.
Judge, Raghava Rao, Mr. Justice Ch., M.A., B.L.
Judge, Ayyar, Mr. Justice, A. S. P., M.A., I.C.S., Bar-at-Law.
Judge, Balakrishna Ayyar, Mr. Justice P. V., I.C.S.
Judge, Chandra Reddy, Mr. Justice P., B.A., B.L.
Judge, Krishnaswami Nayudu, Mr. Justice W. S., B.A., B.L.
Judge, Bashier Ahmed Sayeed, Mr. Justice, B.A., B.L.
Judge, Ramaswami, Mr. Justice P. N., I.C.S.
Judge, Venkataramayyar, Mr. Justice T. L.
Judge, Rmaswami Gounder, Mr. Justice K.
Advocate-General, Madras, V. K. Tiruvengkatachari.
Government Pleader, Satyanarayana Raju, P., B.A., B.L.
Editor, Indian Law Reports, Aingar, R. N., Bar-at-Law.
Law Reporter, Chowdary, V. V., M.A., B.L., LL.D., Bar-at-Law.

Law Reporter, Kotyswara Rao, N.
Law Reporter, Rajagopalachariar, K. S.
Public Prosecutor, Rangaswami Ayyangar, V. T., B.A., B.L.
Secretary, Rule Committee, Viswanatha Iyer, B.V., B.A., B.L.
Sheriff of Madras, P. V. S. Venkatachalam.
Registrar, High Court, R. Jayaram Ayyar.
Master, S. K. Gajendram Nayudu.
Dy. Registrar, V. T. Kandaswami.
Official Referee, V. Krishnaswamy.
1st Asst. Registrar, Original Side and Clerk of the Court, V. Ramanujachari.
Asst. Registrar, Appellate Side, B. Somanatha Rao.
2nd Asst. Registrar, Original Side, P. Venkata-mannamurthy.
Sub-Assistant Registrar, Appellate Side, T. H. Raghobama Rao.
Sub-Assistant Registrar, Administrative Dept., K. Srinivasan.
Administrator-General and Official Trustee, Madras, Govindan, N., B.A., B.L.
Official Assignee, Sivaramakrishnaiah, P., M.A., B.L.
State Prosecutor, Govind Swaminathan, S., M.A. (Oxon.), Bar-at-Law.

CITY CIVIL COURT

Principal Judge, A. K. Ramachandra Aiyar, M.A., B.L.
I Additional Judge, C. D. Venkatramanan, B.A., B.L.
II Additional Judge, G. K. Damodara Rao, B.A., B.L.
III Additional Judge, N. Venkatarama Ayyar, M.A.
Sheristadar, T. V. Varadaraja Pillai.
Head Clerk, K. Mohammad Matharshah, B.A.

SMALL CAUSES COURT

Chief Judge, Raibuddin Ahmed, B.A., B.L.
Second Judge, V. Pattabhirainalya, B.A., B.L.
Third Judge, M. Srinamurthi, B.A., B.L.
Add. Puisne Judge, T. V. Subramania Aiyar, B.A., B.L.
Registrar, N. K. Vinayakam, B.A., B.L.

PRESIDENCY MAGISTRATES' COURTS

Egmore, Madras.

- Chief Presidency Magistrate*, P. Ramakrishna Ayyar, I.C.S.
Second Presidency Magistrate, P. Natesan, B.A., B.L.
Third Presidency Magistrate, T. A. Ramakrishna Mudalliar, M.A., B.L.
Fourth Presidency Magistrate, V. Ramaswami Ayyar, B.A., M.L.
Fifth Presidency Magistrate, C. D. Natarajan, M.A., B.L.
Sixth Presidency Magistrate, K. V. Sambandam, M.A., B.L.
Seventh Presidency Magistrate, T. R. Narayanan, M.A., M.L.
Eighth Presidency Magistrate, M. Murugesu Mudalliar, B.A., B.L.

LABOUR AND FACTORIES DEPARTMENTS

Post Box No. 429, Madras 5.

- Commissioner of Labour, Commissioner for Workmen's Compensation, Registrar of Trade Union, etc.*, C. G. Reddi, I.A.S.
Assistant Commissioner of Labour, and Additional Commissioner for Workmen's Compensation, K. Srinivasan, B.A.
Chief Inspector of Factories, P. V. Viswanathan, Associate in Mining Engineering (Dhanbad).

MEDICAL DEPARTMENT

(Madras 6)

- Director of Medical Services*, Lt.-Col. Sangham Lal, M.B.B.S., F.R.C.S. (Eng.), D.O.M.S. (Lond.).
Dean, Government General Hospital and Madras Medical College, Dr. C. K. Prasada Rao, M.D.
Dean, Stanley Hospital and Stanley Medical College, Madras, Dr. K. N. Pishoroty, M.D., M.R.C.P. (Lond.), D.T.M. (Cal.)
Director, Upgraded Department of Venereology, Government General Hospital, Madras, Dr. R. V. Rajani, M.S., M.R.C.P. (Edin.).
Director, Upgraded Department of Obstetrics and Gynaecology, Government Hospital for Women and Children, Madras, Dr. R. K. K. Tampian, B.A., M.B.B.S., F.R.C.O.G., D.O. (Madras), F.R.C.S. (Edin.).
Director, Tuberculosis Institute and Tuberculosis Clinics, Madras, Dr. (Srimati) S. Phillips, M.B.B.S., M.R.C.P. (Edin.)
Superintendent, Tuberculosis Sanatorium, Tambaram, Major K. N. Rao, M.D., D.O., F.R.C.P., F.I.C.S.
Superintendent, Mental Hospital, Madras, Dr. A. S. Johnson, B.A., M.B.B.S., M.R.C.P., Psy. (Edin.), F.I.P.S.
Superintendent, Government Ophthalmic Hospital, Madras, Dr. R. E. S. Muthayya, M.B.B.S., L.O., M.S. (Oph.), D.O. (Oxon.)
Director, King Institute, Guindy, Madras, Dr. Y. S. Narayana Rao, M.B.B.S., D.T.M. (Cal.), D.B. (Lond.).

POLICE DEPARTMENT

- Inspector-General of Police*, J. Devasahayam, I.P.
Commissioner of Police, S. Parthasarathy Ayyangar, I.P.
Deputy Inspector-General of Police, Western Range at Coimbatore, O. L. Burrell, O.B.E., I.P.
Deputy Inspector General of Police, Railways and C.I.D., Madras, V. R. Rajaratnam, I.P.
Deputy Inspector-General of Police, Southern Range, Madurai, M. Krishna Menon, I.P.
Assistant Inspector-General of Police, Madras, F. V. Arul, I.P.

POSTS AND TELEGRAPHS DEPARTMENT

Postmaster-General, Madras, K. P. Sen, B.Sc.

CIRCLE OFFICE, MADRAS (POSTAL)

- Director of Postal Services (N)*, S. N. Das Gupta, M.A.
Director of Postal Services (C), A. Swaminathan, M.A.
Asstt. P.M.G. (Mail), M. Janardhan, M.A.
Asstt. P.M.G. (S & E), G. Subba Rao, B.A.
Asstt. D.P.S. (I), R. Subramaniam, M.A., B.L.
Asstt. D.P.S. (T), P. B. Krishna, B.A.

TELEGRAPH TRAFFIC AND ENGINEERING

- Director of Telegraphs (South)*, K. V. Ranganathan.
Director of Telegraphs (North), D. N. Ramachandani, B.E.
P.A.T. to P.M.G., M. K. Padmanabhan.
P.A. (Engg.), M. A. Chelliah, B.A.
A.E. (Works), N. Mahadevan, M.A.

MADRAS CITY

- Presidency Postmaster, Madras*, Chuni Lal
Offg. Dy. P.P.M., A. C. David, B.A.
Senior Supdt., R.M.S. Madras Sorting Division, S. R. Krishnamurthy, M.A.
Manager, Mail Motor Service, P. R. Sadashiva Rao, L.A.E.
Offg. S.P., Madras City (North) Dn., S. D. Murthy.
Offg. S.P., Madras City (South) Dn., V. Sundaram, M.A.

CENTRAL TELEGRAPHS OFFICE, MADRAS

- Chief Supdt., C.T.O., Madras*, M. Umesh Rao.
Asstt. Supdt., C.T.O., Madras, C. O. Sandys, M. K. Rajagopalan, C. Narayanaswamy, C. St. C. Hughes; S. Nagarathnam Pillai (on leave); R. Kuppuswamy.

DIVISIONAL/GROUP OFFICERS AND HEADS OF OFFICES

- Senior Supdt., Madurai*, M. K. Shyam Bhat, B.A. (Hons.).
Senior Supdt., Bangalore, George Chervilay, B.A.
Offg. Supdt., Vellore, V. Appuswamy Iyer, B.A.
Offg. Supdt., South Kanara, R. B. Viswanathan, B.A. (Hons.).
Offg. Supdt., Malabar, P. A. Masilamani Pillai.
Supdt., Trivandrum, V. Srinivasan, B.A.
Supdt., Tirunelveli, G. Chinmaswamy Iyer, B.A.
Supdt., Tiruchirappalli, N. Subramaniam, B.A.
Offg. Supdt., Chingleput, R. Raman, M.A. Dip. Econ.
Offg. Supdt., Tanjore, T. Venkatesan, B.A.
Offg. Supdt., Trichur, K. N. Prabhu.
Supdt., Salem, Khawaja Yar Khan.
Offg. Supdt., Kottayam, Capt. S. A. Salani, B.A.
Offg. Supdt., South Arcot Dn., P. S. Vengu Iyer.
Supdt., Bellary, K. V. Subramanna Aiyer.
Offg. Supdt., Nilgiris, O. C. J. Rego.
Offg. Supdt., Mysore, N. S. Nair.

R. M. S.

- S.R.M. 'M' Dn.*, Dr. K. Ramamurthy, M.Sc., Ph.D.
S.R.M. 'T' Dn., S. Raghavan, B.A.

POSTAL

- Postmaster, Bangalore*, K. S. Subbiah, B.A.
Postmaster, Madurai, C. F. Fernandez

HYDERABAD SUB CIRCLE

- D.P.S., Major M. Dayal*, M.A.
Dy. D.P.S. Major C. A. Dhayanathan
Offg. A.D.P.S., P. G. Poduval.
A.D.P.S. (Mails & Complaints), A. K. Narsing Rao.
Sr. Supdt., Hyderabad City, T. R. Sankaran, M.A.
Supdt., Nizamabad, S. B. Raut.
Supdt., Warangul, Major R. V. Ramana, B.A., M.B.E.
Offg. Supdt., Aurungabad, I. N. B. Chopra.
Offg. Supdt., Gulbarga, H. L. Sekhir.
Supdt., Bidar Dn., J. R. Dawson, B.A.
S.R.M. 'Z' Dn., Mohd. Zafaruddin.
Postmaster, Hyderabad, V. R. Ratnaparkhi.

TELEGRAPH ENGINEERING

- D.E.T., Madras*, M. V. Rama Varma, B.A., B.Sc. (Engg.) (London), A.M.E. (India), A.M.I.R.E.
D.E.T., Bangalore, V. R. Venugopal, B.E.
D.E.T., Trivandrum, V. A. De'Concelcao.
D.E.T., Hyderabad, K. V. De'Patel, B.Sc. (Engg.) (St. Andrews), A.M.I.R.E. (India), A.M.I.R.E.
D.E.T., Tiruchirappalli, V. P. Krishnaswamy, B.A.
Dy. D.E.T., Bangalore, S. A. Garson.
Dy. D.E.T., Hyderabad, M. N. Venkataraman.
Dy. D.E.T., Madras, D. J. Lewis, B.Sc.
Dy. D.E.T., Tiruchirappalli, T. R. S. Mani, B.Sc.

- Dy. D.E.T., Trivandrum*, S. N. Venkataraman.
S.D.O.T., Bangalore, R. D. Foote.
S.D.O.T., Bellary, W. J. Sequira, B.Sc.
S.D.O.T., Madras, V. H. Mahadevan.
S.D.O.T., Madurai, S. Seshadri, M.A.
S.D.O.T., Villupuram, V. G. Srinivasan, B.Sc.
S.D.O.T., Kozhikode, A. S. Rao, B.A. (Hons.).
S.D.O.T., Secunderabad, C. Abraham.
S.D.O.T., Coimbatore, K. V. Lakshmanan.
A.E. Phones, Madras, P. H. Sankaranarayanan, M.A.
S.D.O.P., Trivandrum, N. Madhava Menon, B.A., B.Sc. (Engg.).
S.D.O.P., Kottayam, P. A. Sundaram, B.Sc.
S.D.O.P., Bangalore, P. Itty Ipe, B.Sc., B.Sc. (Engg.), A.M.I.E. (India).
S.D.O.P., Tiruchirappalli, A. Subramania Iyer, B.A., B.Sc. (Engg.), A.M.I.E. (India).
S.D.O.P., Kozhikode, K. R. Nair.
S.D.O.P., Coimbatore, E. V. Vytheswaran.
Offg. S.D.O.P., Ernakulam, C. V. Krishnaswamy.
S.D.O.P., Quilon, S. Balasubramaniam.
O. in Charge, Mysore Telephone Group, P. M. Krishna Rao, B.Sc. (Hons.)
Junior Engineer, Mysore Telephone Group, N. Ramalingappa.

- A.E. Phones, Hyderabad*, T. G. Damodaram.
S.D.O.P., Hyderabad, P. V. Deshpande.
C.O.T., Bangalore, S. Ramadoss, B.Sc. (Engg.).
C.O.T., Hyderabad, K. Venugopalan, B.A.
C.O.T., Hyderabad, S. Subramaniam.
S.D.O., Wireless, K. S. N. Rao, B.Sc.
A.E.W., Madras Radio, G. E. Kennick.
T. H. Wireless, St Thomas Mount, M. P. Arunachalam.
A.E. Wireless, Bangalore Monitoring Station, V. Ramakrishnan.

- A.E. (E) I Madras, C.T.O. (on leave)*, Subramania Pillai
Offg. A. S. Nagarajan
A.E. (E) II Madras, C.T.O., V. Venkataraman.

TELEGRAPH TRAFFIC

- Supdt. in Charge, Kozhikode, D.T.O.*, T. C. Baskharan.
Supdt. in Charge, Bangalore, D.T.O., S. A. Lynsdale.
Supdt. in Charge, Madurai, D.T.O., P. Shanmugasundaram.
Supdt. in Charge, Tiruchirappalli, D.T.O., V. Mallikewaran.
Supdt. in Charge, Secunderabad, D.T.O., T. W. Todd.

PUBLIC HEALTH DEPARTMENT

- Director of Public Health*, Dr. K. S. Viswanathan, B.A., M.B.B.S., B.Sc., M.P.H. (Harvard).
Assistant Directors of Public Health, Dr. Isaac Joseph, I.M.S., B.Sc., Dr. (Kumari) H. M. Rajamanikam, M.B.B.S., B.Sc., M.P.H. (Harvard), Dr. N. Rajagopalan, M.B.B.S., B.Sc., Dr. E. V. Meenakshisundaram, I.M.S., B.Sc.
Health Officer to assist Assistant Director of Public Health, Dr. P. V. George, B.A., I.M.S., B.Sc., M.P.H. (Hopkins).
Special Plague Officer, Dr. A. M. Francis, B.A., M.B.B.S., B.Sc.
Research Health Officer, Dr. N. R. Ramakrishnan, B.A., M.B.B.S., D.P.H. (Cal.).
Health Officer to assist Assistant Director of Public Health, Dr. S. Henry Moses, M.B.B.S., B.Sc., D.T.M. (Cal.), M.P.H. (Hopkins).
Statistician, V. K. Parthasarathy, M.A., Dip. (Econ.).
Malaria Engineer, T. Parthasarathy, M.E.
Chief Entomologist, Central Malaria Laboratory, J. C. Vedamanikam, B.A.

PUBLIC WORKS DEPARTMENT

BOILER INSPECTION DEPARTMENT

Chepak, Madras 5.

- Chief Inspector of Steam Boilers, Madras State and Coorg*, S. N. Mahalingam, B.Sc. (Engg.), A.M.I.E. (Ind.).
Inspector of Steam Boilers, Madras City Circle and P.A. to the Chief Inspector of Steam Boilers, J. Sundaram.
Inspector of Steam Boilers, Madras Mofussil Circle, Madras, S. Murugesan, B.E., A.S.M.E. (J.).

Inspector of Steam Boilers, Tiruchirappalli Circle, Tiruchirappalli, V. Ramakrishnan, B.Sc. (Eng.), A.M.I.E. (Ind.).

Inspector of Steam Boilers, Coimbatore Circle and Coorg, Coimbatore, P. K. Seshadri, B.Sc. (Eng.).

P.W.D. GENERAL AND BUILDINGS

Special Chief Engineer (Irrigation), A. R. Venkatacharya, B.E., M.I.E. (Ind.), M.Am.Soc.C.E., I.S.E.

Chief Engineer, P.W.D. (General Buildings and Public Health), N. Padmanabha Ayyar, B.A., B.E., M.I.E. (Ind.), I.S.E.

Deputy Chief Engineer, P.W.D. (General), J. G. Abraham, B.E., M.I.E. (Ind.), M.Am.Soc.C.E.

Deputy Chief Engineer (Buildings and Public Health), K. Hariharan Ayyar, B.A., B.E.

Deputy Chief Engineer (Irrigation), P. S. Natarajan, B.E.

Non-Technical Personal Assistant to the Chief Engineer (General and Buildings), B. S. Narayanan, B.A.

Designs Engineer, K. V. Ekambaram, B.E., I.S.E. Superintending Engineer, Madras Circle, Madras, U. Ananda Rao, B.E., M.I.E. (Ind.), M.Am.Soc.C.E., I.S.E.

Superintending Engineer, Coimbatore Circle, Coimbatore, D. P. Jog, B.E., M.I.E. (Ind.), I.S.E.

Superintending Engineer, Food Production Circle, Madras, O. R. Narayanaswamy Ayyar, B.E., I.S.E.

Superintending Engineer, Tiruchirappalli Circle, Tiruchirappalli, P. G. Raman Nair, B.E.

Superintending Engineer, Tanjore Circle, Tanjore, M. D. Narasimhacharya, B.A., B.E.

Superintending Engineer, Manmuthar Project Circle, Madurai, D. Rajagopalan, B.E., M.I.E. (Ind.), Chartered Engineer (Ind.).

Consulting Architect, Madras, M. G. Desai, B.A., Dip. Arch. (Lond.), F.R.I.B.A., F.I.I.A.

Joint Consulting Architect, Madras, N. E. Jambulinga Nayakar, A.I.A., F.R.S.A.

Sanitary Engineer, Madras, S. Rajagopalan, B.E., M.I.E.

Research Executive Engineer, Poondi, T. P. Kuttiammu, B.E.

Physics and Soil Mechanics Officer, Madras, T. N. Seshadri, M.A. (Phys.), I.T. M.I.E., A.H.A.S.C.E., F.Inst.P.

Mechanical Expert, Madras, M. V. Subrahmanyam, B.A., B.E.

Radio Engineer, Madras, M. N. Parthasarathy, B.Sc. (Hons.).

Chief Inspector of Steam Boilers, Madras, S. N. Mahalingam, B.E. (Engg.), A.M.I.E.

SOUTHERN RAILWAY

(General Manager's Office, Madras).

The Southern Railway consists of the former M. & S.M., S.I. and Mysore State Railways.

The total mileage of the Southern Railway is 6,024. It is divided into 3 Regions, viz. Northern, Southern and Central Regions.

The Northern Region covers the following Sections:

(i) Poona-Bangalore City Section including Branches; (ii) Mormugao Harbour—Bezwada Section; (iii) Arakkere—Chamarajnagar Section; (iv) Bangalore City—Mysore Section; (v) Guntakal—Bangalore City; (vi) Pakala—Darmavaram Section.

The Southern Region covers the following Sections:

(i) Madras Egmore—Trivandrum (Chord) including branches; (ii) Madras Egmore—Rameswaram (Main) including branch lines.

The Central Region covers the following Sections:

(i) Madras Central—Bangalore City including branches; (ii) Jalapet—Managalore; (iii) Shoranur—Cochin Harbour Terminus; (iv) Erode—Trichinopoly Junction; (v) Arkonam—Rajchur; (vi) Madras Central—Waltair including branches; (vii) Podanur—Ootacamund.

ADMINISTRATIVE PERSONNEL

General Manager, Madras, T. A. Joseph.

Dy. General Manager, Madras, A. Ramachandra Rao.

Dy. General Manager (Personnel), Madras, M. Sundara Rajan.

Chief Engineer, Madras, M. Ganapathy.

Dy. Chief Engineer, Madras, V. Bangaraswami.

Regional Engineer, Rayapuram, L. R. Natarajan.

Regional Engineer, Trichinopoly, M. O. S. Iyengar.

Regional Engineer, Mysore, P. S. L. Chowdhuri.

Chief Operating Superintendent, Madras, S. R. Sarma.

Dy. Chief Operating Superintendent, Madras, A. Vleyra.

Regional Traffic Superintendent, Rayapuram, M. C. Sivasankaran.

Regional Traffic Superintendent, Trichinopoly, K. Basheer Ahmed.

Regional Traffic Superintendent, Mysore, N. Kamalakara Rao.

Superintendent, Maintenance and Power, Madras, M. S. Murthy.

Chief Commercial Superintendent, Madras, S. R. Kalyana Raman.

Dy. Chief Commercial Superintendent, Madras, D. B. Patel.

Dy. Chief Commercial Superintendent, Madras, R. Kerala Varma Raja.

Chief Mechanical Engineer, Perambur, D. J. Battilwala.

Dy. Chief Mechanical Engineer, Perambur, C. Ramaswamy.

Regional Mechanical Engineer, Rayapuram, N. C. Hoskote.

Regional Mechanical Engineer, Trichinopoly, P. N. Batra.

Regional Mechanical Engineer, Mysore, M. Cheluvar.

Chief Electrical Engineer, Madras, G. K. Ambady.

Dy. Chief Electrical Engineer, Madras, S. C. B. Mazumdar.

Controller of Stores, Perambur, E. La V. Parthot.

Financial Adviser and Chief Accounts Officer, Madras, S. Ramayya.

Dy. Chief Accounts Officer, Madras, M. A. Ashruff.

Regional Accounts Officer, Madras, Jal J. Battilwala.

Regional Accounts Officer, Trichinopoly, V. Subrahmanyam.

Regional Accounts Officer, Mysore, A. J. Cunningham.

Chief Signal and Tele-Communications Engineer, Madras, J. S. Eldes.

Chief Medical Officer, Madras, E. Sornasekhar.

THE CORPORATION

Ripon Buildings,
Madras 3.

Mayor, R. Munuswamy.

Commissioner, C. Narasimhan, I.A.S.

Dy. Commissioner, N. Sankaran, M.A., L.T.

Dy. Mayor, Mrs. Saraswathi Pandurangam.

Revenue Officer, G. Munuswamy Chetty, B.A.

Health Officer, Dr. S. E. D. Maslamani, M.B.B.S., B.S.Sc., D.P.H. (Lond.).

Engineer, Mohideen Moeran, B.E., M.I.E. struct., A.M.I.E. (Ind.), Am.Soc.C.E.

Special Engineer, P. Ramaswamy Chetty, B.E., A.M.I.E.

Electrical Engineer, V. A. Patnaik, B.A., B.Sc. (Hons.) (Birmingham).

Water Works Engineer, M. Munuswami Asari, B.A., B.E.

Chief Accounts Officer, S. Satyamurthi, B.A.

Mechanical Engineer, M. Sivaraman.

Lady Superintendent, Child Welfare Scheme, Capt. (Miss) C. N. Rukmini, M.B.B.S.

MEMBERS OF THE CORPORATION

A. Emmanuel Adimoolam (Division 49); Srimathi T. L. Thirupurasundari Ammal (Division 30); Srimathi T. N. Anandhanayaki (Division 23); M. R. Appadurai (Division 23); G. Venkateswara Ayyar, I.C.S., Chairman, Madras Port

Trust (Division 12); Dr. T. Asisuddin, M.N.S.S. (Division 12); M. Balasubramanyam (Division 22); P. Namasivaya Bharathi (Division 16); M. Ahmed Mohiuddin Bijapuri (Division 38); T. Chengalvarayan, B.A., LL.B. (Division 22); Mrs. Tara Cherian (Division 32); A. Varadappa Chetti (Division 45); A. M. M. Murugappa Chettiar (Division 44); M. A. Chidambaram Chettiar (Division 50); V. Sundaramurthy Chettiar (Division 4); D. Parthasarathy Chetty (Division 34); G. Janakiram Chetty (Division 44); P. E. Raghava Chetty (Division 48); Srimathi Kamala Devi (Division 6); P. M. Dowlatabad (Division 14); K. S. Ekambaram (Division 40); M. E. Govindarajan (Division 18); T. S. Govindaswamy (Division 23); M. P. Sivagnana Gramani, M.L.C. (Division 43); N. Ramanatha Iyer, B.A., B.L. (Division 32); V. R. Ramanatha Iyer (Division 33); A. M. Kandaswami (Division 32); M. Kannappan (Division 17); M. A. Kareem (Division 43); P. Karuppannam (Division 5); P. N. Lakshminipathi (Division 30); P. M. Lingesan, B.A. (Division 1); G. Loganathan (Division 21); K. Manickavasagam (Division 33); K. Kamalakanna Mudaliar (Division 37); M. Varadaraja Mudaliar (Division 17); V. K. Chengalvaraya Naicker (Division 16); N. Damodarai Naidu (Division 20); Dr. P. Alagasingari Naidu (Division 14); S. Ramaswami Naidu (Division 36); C. Padmanabhan (Division 6); Barnes Paramanandam (Division 2); B. Parameswaran, M.L.A. (Division 46); M. Patlu (Division 4); C. Perumal (Division 17); C. V. Thiruvengadam Pillai (Division 30); M. Rathakrishna Pillai, B.A., B.L. (Division 5); R. Munuswami Pillai (Division 21); S. C. G. Anthony Pillai, M.L.A. (Division 23); S. Pakkiriswamy Pillai, M.L.A. (Division 18); N. E. Raghunathan (Division 41); M. S. Abdul Rahim (Division 41); M. Sundara Rai (Division 26); R. Rajagopal (Division 20); S. Rajagopalan, Sanitary Engineer to Government, P.W.D.; G. Rajamannar (Division 10); K. Ramadoss (Division 8); K. Ramalingam (Division 6); Guntur Narasimha Rao (Division 49); T. Venugopal Rao (Division 31); A. Raghava Reddy, Chairman, City Improvement Trust; V. Basham Reddy (Division 21); A. Sinclair Rose (Division 2); G. A. Abdul Khadir Sahib (Division 39); Janab M. Hajl Nazir Hussain Sahib (Division 19); A. Samy (Division 24); Srimathi Saraswathi (Division 15); P. Suryanarayana Sastry (Division 36); T. M. Shanmugham (Division 46); Mrs. Meenambal Sivaraj (Division 49); M. Somasundaram (Division 17); K. N. Srinivasan, B.A., B.L. (Division 11); C. W. Stephenson (Division 39); K. M. Subramaniam (Division 47); Dr. K. V. Swami (Division 15); P. Thangarajan (Division 1); G. Unapathy (Division 15); S. Venkataraman (Division 28); K. Vinayakam, M.L.A. (Division 40); C. G. Viswanathan, M.A. (Division 34); Dr. K. S. Viswanathan, Director of Public Health (Division 22).

COIMBATORE DISTRICT

Dt. Hqrs.: Coimbatore.

The Coimbatore District, next in importance to the City of Madras, has an area covering 6,937 square miles with a population of 3,293,204. It is one of the major districts in Tamil Nad with the Cauvery River as boundary on the east, Mysore and the Nilgiris on the north, Malabar and Cochin on the west and south. The whole District lies on an undulating plain south of the Nilgiris with the Bhavani River as boundary for some length in the north. It is drained by three important tributaries of the Cauvery River—the Bhavani, Amravati and the Noyyal rivers. The Anamallais (elephant hills) which form part of the District in the south have large coffee and tea plantations. The finest teak in India is produced on these hills.

Coimbatore, the District Headquarters, is the largest industrial city in Madras State with 35 textile mills and over 50 spinning factories and is officially described as the 'Manchester of South India.' It is also the largest textile manufacturing centre in Madras State. There are also a number of iron foundries and a cement factory. Cotton and millets are the chief agri-

cultural produce of the District. The output of cotton will increase with the completion of the Lower Bhavani Project.

Taluk: Coimbatore Taluk (Coimbatore); Avanashi Taluk (Avanashi); Palladam Taluk (Tiruppur); Bhavani Taluk (Bhavani); Dharampur Taluk (Dharampur); Erode Taluk (Erode); Gobichettipalayam Taluk (Gobichettipalayam); Udumalpet Taluk (Udumalpet); Kollegal Taluk (Kollegal).

ADMINISTRATIVE PERSONNEL

Collector, N. S. Mani, I.C.S.
District Judge, Antony Lobo.
District Superintendent of Police, M. Dyas.
Superintending Engineer, Pykara Hydro Electric System, S. E. Prager.
Superintending Engineer, P.W.D., Laxman Iyer.

BANKS

The Imperial Bank of India, Bank Road, Coimbatore; The Coimbatore-Nilgiris Co-operative Bank Ltd., Bank Road, Coimbatore; The Central Bank of India Ltd., Variety Hall Road, Coimbatore; Bank of Baroda, Big Bazar Street, Coimbatore; Bank of Bikaner Ltd., Oppanakara Street, Coimbatore; Bank of India, Head Post Office Road, Coimbatore; Bank of Jaipur Ltd., Variety Hall Road, Coimbatore; Bank of Mysore Ltd., Oppanakara Street, Coimbatore; Thomasco Bank, Raja Street, Coimbatore.

COMMERCIAL ASSOCIATIONS

The Southern India Millowners' Association, Palmgrove Road, Coimbatore; The Indian Chamber of Commerce, Post Box No. 200, Coimbatore.

SOCIAL CLUBS

The English Club, Trichy Road, Coimbatore; The Cosmopolitan Club, Race Course, Coimbatore.

COLLEGES

The Agricultural College, Lawley Road, P.O., Coimbatore; The Forest College, Lawley Road, P.O., Coimbatore; The Government Arts College Coimbatore, The College of Technology, Lawley Road, P.O., Coimbatore; Polytechnic, Avanashi Road, Coimbatore; Nirmala College for Women, R. S. Puram, Coimbatore; P.S.G. College of Technology, Peelamedu, Coimbatore; P.S.G. Arts College, Peelamedu, Coimbatore.

HIGH SCHOOLS

Union High School, Coimbatore; Sarvajana High School, Peelamedu, Coimbatore; Devanga High School, Coimbatore; St. Michael's High School, Coimbatore; City Municipal High School, Variety Hall Road, Coimbatore; The Municipal High School, R. S. Puram, Coimbatore; The Ramalingam Chetti Memorial High School, Muttupalayam Road, Coimbatore; R. K. Ranganjammal Memorial High School, Avanashi Road, Coimbatore; St. Francis Convent European High School, Trichy Road, Coimbatore; St. Mary's High School, Trichy Road, Coimbatore; The Presentation Convent High School, Post Office Road, Coimbatore; Board High School, Satyanganalam; Municipal High School, Pollachi; Board High School, Muttupalayam; Board High School, Gobichettipalayam; Municipal High School, Erode; Municipal High School, Tiruppur; Nanjappa High School, Tiruppur.

SOCIAL ORGANISATIONS

Y.M.C.A., Post Office Road, Coimbatore; Madras State Conference of Social Work, Race Course, Coimbatore; Guild of Service and Indian Red Cross Society, Opposite Sessions Court, Coimbatore.

MADURAI DISTRICT

Area: 4,654.04 square miles.
Population: 2,891,817. (Males: 1,439,258; females: 1,452,559).

Di. Hqrs.: Madurai.

Names of taluks: Madurai, Melur, Periakulam, Rungamangalam, Dindigul, Nilakottai, Palni and Jodakanal.

Main agricultural produce: Rice, Chola, Ambu, Ragl, Korra, Varagu, Samal, Kudralai, Tobacco, Coffee, Groundnut, Gingelly, Onion, Chillies, Sugarcane, Red gram, Black gram and Horse gram.

Main industrial products: Handloom goods. (Adm. personnel not received at the time of going press.)

MALABAR

Area of the District: 5801.94 sq. miles.
Population: 47,58,342.
Di. Hqrs.: Calicut.

Names of taluks: Chirakkal (Cannanore); Kottayam (Tellicherry); Wynad (Manantoddy); Kurumbranad (Badagara); Kozhikode (Kozhikode); Ernad (Manjeri); Walluvanad (Perintalmanna); Palghat (Palghat); Ponnani (Ponnani); Cochin (Fort Cochin).

Principal Agricultural Products: Coconut, pepper, ginger, tea, oranges, paddy, timber, spices and condiments, tapioca, pulses, fruits and vegetables.

Industrial products: Coir product like ropes, mats, etc. handloom cloth, soaps, fish curing and export of dried fish.

ADMINISTRATIVE PERSONNEL

Collector and Dist. Magistrate, N. E. S. Raghavachari, I.C.S.
Dist. Judge (South Malabar), O. Chandu Menon, B.A., B.L.
Dist. Judge (North Malabar), K. C. Cherlya Kunhunnal Raja.
Dist. Supdt. of Police, K. Ramanujam, B.A.
Dist. Medical Officer, K. Madhava Menon, M.B.B.S.
Dist. Agri. Officer (North Malabar), K. Sanjiva Shetty.
Dist. Agri. Officer (South Malabar), R. K. Parameswara Menon.
Dy. Registrar of Co-operative Societies (North), P. Achutha Menon.
Dy. Registrar of Co-operative Societies (South), P. Balakrishnan Nair.
Executive Engineer, West Coast Division, P. M. John.
Dist. Health Officer (North Malabar), M. Govindan, L.M.P., L.I.M.
Dist. Health Officer (South Malabar), P. Gopalan Nayar.
Commercial Tax Officer (North Malabar), K. A. Swaminathan.
Commercial Tax Officer (South Malabar), M. Govindan Kutty Nair.
Income-tax Officer (Kozhikode), A. M. Ramakrishnan.
Dist. Edn. Officer (North Malabar), K. Srinivasa Rao.
Dist. Edn. Officer (Central Malabar), Mohana Ranganam.
Dist. Edn. Officer (South Malabar), T. Raghavan Nair.

NILGIRIS DISTRICT

Area: 984 square miles.
Population: 311,729 (Males: 163,880; females: 147,849).
Di. Hqrs.: Ootacamund.

Names of taluks: Ootacamund, Coonoor and Gudalur.

Main agricultural produce: Potatoes, Paddy, Ragl, Samal and Vegetables.

Main industrial products: Coffee and Tea.

ADMINISTRATIVE PERSONNEL

Collector and District Magistrate, H. C. M. McLaughlin, I.A.S.
District Agricultural Officer, M. Mukundan, B.Sc. (Ag.).
District Co-operative Officer, D. N. Doraiswami Mudaliar, B.A. (Dy. Registrar of Co-operative Societies).
Divisional Engineer (Highways), N. J. John, A.M.I.E.
District Forest Officer, V. Madava Menon.
District Health Officer, K. P. Gonsalves, M.B.B.S., B.Sc.
District Medical Officer, Dr. (Kumari) A. K. Varghese, M.B.B.S.
District Sales-Tax Officer, M. Sivasankara Menon, B.A. (Deputy Commercial Tax Officer).
District & Sessions Judge, H. A. Iyer, I.C.S.
District Superintendent of Police, Mohammad Sanavullah Farookhi, B.A.
Income-tax Officer, L. S. Chakravarthi, M.Sc.
Inspector of Schools, B. M. Kudubi, B.A., L.T. (District Educational Officer, Coonoor).
District Prohibition Officer, P. Kunhrama Kurup, B.Sc.

NORTH ARCOT DISTRICT

Area: 4,674 sq. miles.
Population: 28,59,157.
Di. Hqrs.: Vellore.

Names of Talukas with their headquarters within brackets:

Arni (Arni); Arkonam (Arkonam); Cheyyar (Thiruvettipuram); Chengam (Chengam); Gudiyatham (Gudiyatham); Polur (Polur); Tirupattur (Tirupattur); Tiruvannamalai (Tiruvannamalai); Vellore (Vellore); Wallajah (Wallajah); Wandiwash (Wandiwash).

Principal agricultural produce: Paddy, Ragl, Chola, Sugar-cane and Groundnut.

Principal industrial products: Cotton yarn, Manufactured silk, Beedi, Carpets and Leather.

ADMINISTRATIVE PERSONNEL

Collector and Additional District Magistrate (Independent), A. Venkatesan, I.A.S.
District Agricultural Officer, S. V. Ramachandran, B.Sc. (Ag.).
Dy. Registrar of Co-operative Societies, North Circle, Mohd. Hafeez, M.A.
Dy. Registrar of Co-operative Societies, South Circle, Kuttikrishna Namblar, B.A.
Executive Engineer, S. Jambunathan, C.E.
District Forest Officer, S. Ramakrishnan, B.A.
District Health Officer, Dr. B. Hanumanth Rao.
District Medical Officer, Dr. (Miss) T. Varghese, M.B.B.S.
District Sales Tax Officer, K. L. Bharathi, M.A.
District and Sessions Judge, M. Ananthanarayanan, I.C.S.
District Superintendent of Police, K. R. Shenoy, I.P.S.
District Educational Officer, S. Arulanandam, B.A., L.T.
Income-Tax Officer, B.O., O. Venkatasubramanian.

SOUTH ARCOT DISTRICT

Area: 4,208 sq. miles.
Population: 27,76,787.
Di. Hqrs.: Cuddalore.

Names of Taluks: Cuddalore, Chidambaram, Vridhachalam, Tirukollur, Kallakurichi, Gingee, Villupuram and Thiduvanam.

Main agricultural produce: Paddy, Ragl, Chola, Cumbu, Korra, Varagu, Samal, Bengal Gram, Redgram, Greengram, Blackgram and Horsegram.

Main commercial crops: Cotton, Groundnut, Sugar-cane, Gingelly.

ADMINISTRATIVE PERSONNEL

Collector, K. P. K. Menon.
District Magistrate (Judicial), Ganapathia Pillai.
District and Sessions Judge, C. E. Viswanatha Ayyar.
District Agricultural Officer, S. Muthusami Ayyar.
Deputy Registrar of Co-operative Societies, Cuddalore, G. Amirtha Raj.
Deputy Registrar of Co-operative Societies, Tirukollur, K. Bashyam Ayyangar.
Deputy Registrar of Assurances, Cuddalore, P. K. Balasubramania Mudaliar.
Deputy Registrar of Assurances, Chidambaram, P. Ramanuja Raju.
Executive Engineer, P.W.D., C. Narayanaswami.
Divisional Engineer (Highways), A. R. Silvaswamy.
District Health Officer, T. V. Sundareswaran.
District Medical Officer, S. Sundararajan.
Commercial Tax Officer, M. Narayanan Namblar.
District Superintendent of Police, C. Balakrishna Odayar.
Income-tax Officer, K. M. Kunhrama Menon.
Additional Income-tax Officer, T. Venkataraman.
District Educational Officer, T. B. Deenadayal.
Officer-in-charge, Lignite Investigation, Neiveli, H. K. Ghose.
Administrative Officer, Mines and Minerals, Cuddalore, W. G. Janakirama Mudaliar.
Assistant Director of Industries and Commerce, Cuddalore, R. M. Chidambaram.
Chairman, Experts Committee, Lignite Investigation, Cuddalore O.T., Paul B. Eyrich.

SOUTH KANARA

Area of the District : 25,65,294 acres or 4,008 sq. miles ; Population : 17,18,991.

Dt. Hqrs. : Mangalore.

Names of Taluks : Coondapur, Kasaragod, Karkal, Mangalore, Puttur, Udipi, Bantwal, Belthangady and Hosdurg.

Principal Agricultural products : Rice, angarcane, tobacco, Pepper, horsegram, blackgram, greengram, coconuts, sweet potatoes, areca chillis, gingelly and cashew nuts.

Principal industrial products : Cashew nuts, tiles, printing and allied industries, bricks, repairs of motor vehicles and coffee roasting and grading.

Collector and Dt. Magistrate, A. Mahalingam Chettiar, I.A.S.

Dt. Judge, P. T. Raman, Nair, I.C.S.

Dt. Superintendent of Police, Krishnaswamy, B.A.

Dt. Medical Officer, R. S. Keshavara, M.B.B.S.

Dt. Forest Officer, K. Venkatakrishna, B.A., B.Sc. (Hon.), B.Sc. (Edin.).

Dt. Prohibition Officer, G. Venugopalan.

Dt. Agricultural Officer, P. N. Nayar, B.Sc., Ag.

Dt. Registrar of Co-operative Societies, S. Ramana Rao, B.A.

Dt. Registrar of Co-operative Societies, Kasaragod, U. Krishna Shetty.

Executive Engineer P.W.D., M. Venkataramana, B.A., M.E.

Divisional Engineer (H), M. S. Srouty, B.E.

Commercial Tax Officer, M. Janardhana Shet, B.A.

Income-tax Officer, A. Rama Rao.

Dt. Educational Officer, K. Sanjeeva Bhat, M.A., L.T.

TANJORE DISTRICT

Area : 3,740 sq. miles

Population : 29,82,670 (1951 census).

Dt. Hqrs. : Tanjore.

Names of taluks : Tanjore, Papanasam, Kumbakonam, Mayuram, Sirkali, Nannilam, Nagapattinam, Mannargudi, Tiruthuralpundi, Pattukottal, Arantangi.

Principal agricultural produce : Paddy.

ADMINISTRATIVE PERSONNEL

Collector & Dt. Magistrate, T. K. Palanappan, I.A.S.

Dt. Agricultural Officer, M. J. David, B.Sc. (Ag.), (Pattukottal); M. V. Kalyanasundaram,

B.Sc., (Ag.), (Tanjore).

Dt. Co-operative Officer, W. K. Abdul Khader, B.A., Deputy Registrar of Co-operative Societies, Tanjore, Arthur S. Nathanlal, M.A., B.L., Dy. Registrar of Co-operative Societies, Kumbakonam.

Dt. Health Officer, Dr. R. Thiyagarajan, B.A., M.B.B.S., B.S.C.

Dt. Medical Officer, Dr. B. Govindaraj Shenai, M.B.B.S., L.O.

Dt. Sales-Tax Officer, S. Krishna Iyengar, B.A.

Dt. and Sessions Judge, K. S. Venkataraman, I.C.S., (West Tanjore, Tanjore), Rama Varma

(Sessions Judge, East Tanjore, Nagapattinam).

Dt. Supdt. of Police, C. J. P. Pinto

Income-Tax Officers, Mohiuddin Khan (Tanjore);

A. S. Gananapragasam (Nagapattinam).

Inspectors of Schools, J. A. Ryan, M.A., B.T.

(East Tanjore, Nagapattinam); R. Shan-

mugam, M.A., L.T. (West Tanjore, Tanjore).

District Engineers, M. D. Narasimacharya

(Superintending Engineer, Tanjore Circle,

Tanjore); N. Viswanatha Iyer, B.A., B.E.

(Cauvery Division, Tanjore); S. Padmanaba

Iyer, B.A., B.E. (Executive Engineer, Vennar

Dn.); M. R. Balsubramaniam Iyer (Executive

Engineer, G. A. Canal Division, Tanjore),

C. R. Munusami Naidu (Divisional Engineer,

Highways, West Tanjore); T. M. Veera-

raghavan, B.E., A.M.I.E., Chartered Engineer

(Dist. Engineer, Highways, East Tanjore,

Nagapattinam).

TIRUCHIRAPALLI DISTRICT

Area : 5,514 sq. miles.

Population : 29,43,882.

Dt. Hqrs. : Tiruchirapalli.

Names of Taluks : Tiruchirapalli, Kulltalai,

Karur, Musiri, Lalgudi, Perambalur, Udai-

palayam, Kolathur, Alangudi and Tirunayam.

Main agricultural produce : Paddy, cholam,umbu, ragi, varagu, samal, groundnut, cotton, gingelly, turmeric, sugar-cane, plantain, chillies, coriander and redgram.

Main industrial products : Sugar, cement, yarn, textiles, hydrogenated oil and cigars.

ADMINISTRATIVE PERSONNEL

Collector and District Magistrate, N. S. Quraishi,

I.A.S.

District Agricultural Officer, K. H. Subramania

Iyer, B.Sc. (Ag.).

Deputy Registrar of Co-operative Societies, Tiruchi

North, S. Nithyanandham, B.A. (Hons).

Deputy Registrar of Co-operative Societies, Tiruchi

South, M. Anantharaman, B.A.

Superintending Engineer, P.W.D., D. P. Jog,

B.E., M.I.E. (Ind.), I.S.E.

Executive Engineer, P.W.D., T. M. Govinda

Menon.

Executive Engineer, R. C. Division, D. Henry

David.

Superintending Engineer, Highways, M. N.

Kamath, B.E., M.A.M.S.O.C., C.E.

District Forest Officer, K. V. B. Pal.

District Health Officer, Dr. R. Sambamurthy,

M.B.B.S., B.Sc.

District Medical Officer, Dr. A. N. Subbaraman,

M.B.B.S.

Deputy Commissioner of Commercial Taxes, S.

Krishna Rao, M.A.

District Veterinary Officer, P. Satyanarayana

Rao, C.M.V.C., B.V.Sc.

Dt. and Sessions Judge, N. D. Krishna Rao, I.C.S.

District Superintendent of Police, K. Viswanathan

Nair, I.P.

Income-Tax Officer, K. C. Mahadevan, B.A., B.L.

District Educational Officer, U. B. Muhamad

Samur, B.A., L.T.

Regional Inspector of Municipal Councils and

Local Boards, T. M. Ramasami, M.A. (Cantab.).

Sub-Regional Employment Officer, Capt. G. K.

Katre.

District Registrar of Assurances, S. Krishnasami

Chettiar, B.A.

Assistant Director of All-India Radio, N. S.

Ramachandran.

District Fire Officer, B. K. Krishnamurthi Rao,

M.A.

Appellate Assistant Commissioner of Income-tax,

K. Achuthan Nair, B.A.

Regional Accounts Officer, S. Radhaya, Tiruchi,

T. Subramaniam.

Deputy Commissioner for Hindu Religious and

Charitable Endowments, A. S. Mannadi Nair,

B.A., B.L., Bar-at-law.

Assistant Commissioner for Hindu Religious and

Charitable Endowments, A. Sakthai, B.A.,

B.L.

Divisional Electrical Engineer, K. Srinivasa

Raghavan, B.E.

Assistant Collector of Central Excise, Major P.

R. Shanmugham, B.Sc.

Regional Transport Officer, T. S. Sivagnanam,

B.A.

[Matter from the following Districts not

received at the time of going to press : Chingleput

(Chingleput), Madras (Madras), Ramanatha-

puram (Ramanathapuram), Salem (Salem),

Tirunelveli (Tirunelveli).]

EDUCATIONAL INSTITUTIONS**UNIVERSITY OF MADRAS****ARTS AND SCIENCE COLLEGES (66)**

Constituent First Grade Colleges (9) :

Government Arts College, Mount Road, Madras 2.

Loyola College, Cathedral, Madras 6.

Pachaiyappa's College, Kilapauk, Madras 10.

Presidency College, Triplicane, Madras 5.

Vivekananda College, Mylapore, Madras 4.

Ethiraj College for Women, Egmore, Madras 8.

Queen Mary's College, Mylapore, Madras 4.

Stella Maria College, Mylapore, Madras 4.

Women's Christian College, Nungambakkam,

Madras 6.

Constituent Second Grade Colleges (3) :

Agarchand Manmull Jain College, Thyagaraya-

nagar, Madras 17.

The New College, Royapettah, Madras 14.

St. Theagaraya College, Washermanpet, Madras

21.

Affiliated Colleges—First Grade (41) :

Government Arts College, Anantapur.*

Government Arts College, Coimbatore.

Government College, Cuddapah.*

St. Albert's College, Ernakulam.

St. Teresa's College, Ernakulam.

Farook College, Feroke (S. Malabar).

Dr. Alagappa Chettiar College, Karaikudi.

Zamorin's College, Kozhikode.

Government College, Kumbakonam.

Osmania College, Kurnool.*

The Besant Theosophical College, Madanapalle.*

The American College, Madurai.

Madura College, Madurai.

Lady Doak College, Madurai.

Thiyagarajar College, Madurai.

Government Arts College, Mangalore.

St. Aloysius' College, Mangalore.

St. Agnes College, Mangalore.

Sarah Tucker College, Palayamkottai.

St. John's College, Palayamkottai.

St. Xavier's College, Palayamkottai.

Government Victoria College, Palghat.

Raja's College, Pudukottai.

Salem College, Salem.

Rajah Doralingam Memorial College, Sivaganga.

Madras Christian College, Tambaram.

Government Brennen College, Tellicherry.

Sacred Heart College, Thevara (Ernakulam).

The M.D.T. Hindu College, Tirunelveli.

Sri Venkateswara College, Tirupati.*

Holy Cross College, Tiruchirapalli.

Jamal Mohamed College, Tiruchirapalli.

National College, Tiruchirapalli.

St. Joseph's College, Tiruchirapalli.

Sree Kerala Varma College, Trichur.

St. Mary's College, Trichur.

St. Thomas' College, Trichur.

St. Mary's College, Tuticorin.

V. O. Chidambaram College, Tuticorin.

Islamiah College, Vaniyambadi (N. Arcot Dt.).

V. H. N. Senthikumar Nadar College,

Virudhunagar.

Affiliated Colleges—Second Grade (13) :

Verasaiva College, Bellary.

P.S.G. Arts College, Peclamedu, Coimbatore.

Nirmala College for Women, Coimbatore.

Pachaiyappa's College, Kancheepuram.

Malabar Christian College, Kozhikode.

Providence College for Women, Kozhikode.

Government College, Mercara (Coorg).

Sitalakshmi Ramaswami College, Tiruchirapalli.

Sri Venkateswara College for Women, Tirupati.

Sacred Heart College, Tirupattur (N. Arcot Dt.).

Mahatma Gandhi Memorial College, Udipi (S.

Kanara).

G. V. G. Visalakshi College for Women,

Udumalpet.

Voorhees College, Vellore (N. Arcot Dt.).

PROFESSIONAL COLLEGES (24)

Law :

Madras Law College, G.T., Madras 1.

Medicine :

Madras Medical College, Park Town, Madras 3.

Stanley Medical College, G.T., Madras 1.

Christian Medical College, Vellore (N. Arcot

District).

Engineering :

College of Engineering, Guindy, Saidapet,

Madras 25.

College of Engineering, Anantapur.*

Government College of Technology, R. S. Puram,

Coimbatore.

P.M.G. & Sons Charities College of Technology,

Coimbatore.

* Now Affiliated to Andhra.

Dr. Alagappa Chettiar College of Engineering and Technology, Karaikudi.

Teaching :
Lady Willingdon Training College, Triplicane, Madras 5.

Meston Training College, Royapettah, Madras 11.
St. Christopher's Training College, Vepery, Madras 7.

Teachers' College, Saldapet, Madras 15.

Sri Ramakrishna Mission Vidyalaya Teachers' Training College, Ramakrishna Mission Vidyalaya P.O., Coimbatore Dt.

Dr. Alagappa Chettiar Training College, Karaikudi.

Government Training College, Kozhikode.

Government Training College, Kurnool.*

Government Training College, Mangalore.

St. Anne's Training College, Mangalore.

St. Xavier's Training College, Palayankottal.

Veterinary :
Madras Veterinary College, Vepery, Madras 7.

Agriculture
Agricultural College, Lawley Road P.O., Coimbatore

Technology :
Alagappa Chettiar College of Technology, Guindy, Madras 25.

Physical Education :
Y.M.C.A. College of Physical Education, Saldapet, Madras 15.

GOVERNMENT TECHNICAL INSTITUTIONS

Central Polytechnic, Broadway, Madras.

Government School of Arts & Crafts, Egmore, Madras.

Government Textile Institute, Washermanpet, Madras.

Government Institute of Leather Technology, Washermanpet, Madras.

Tamilnad Polytechnic, Madurai.

Arthur Hope Polytechnic, Coimbatore.

Andhra Polytechnic,* Kakkinada, E. Godavari Dt.

Vuyyuru Polytechnic,* Vuyyuru Kistna District.

Karnataka Polytechnic, Mangalore.

Kerala Polytechnic, Kozhikode.

Rayalaseema Polytechnic,† Bellary.

Government Ceramic Factory,* Gudur, Nellore District.

Government Oil Technological Institute,* Anantapur.

Government Coir School, Beypore.

Kerala Soap Institute, Kozhikode.

Government Bangles Trading, Kalahasti.

AIDED INDUSTRIAL SCHOOLS IN THE STATE

Vizakapatnam District* :
St. Aloysius Industrial School, Vizagapatnam.

School of Arts and Crafts, Vizianagaram.

Bezwada, Kistna District* :
St. Joseph's Industrial School, Gunadala, Bezwada.

West Godavari District* :
Sri Harijana Industrial School, Bhimavaram.

Gandhi Memorial Harijan Industrial Home, Tanuku.

Guntur District* :
U.L.C.M. Rural Reconstruction Industrial School, Guntur.

Sri Krishnaswami Industrial School, Guntur.

St. Michael's Industrial School, Guntur.

St. Joseph's Orphanage Industrial School, Guntur.

Sree Sarada Niketanam Industrial School, Guntur.

Premiate Girl's Industrial School, Guntur.

Ch. Kutumbaraya District Board Industrial School, Pedapudi.

Dist. Board Industrial School, Macheria.

Thakkar Bapa Vidayat Nilayam, Isukapalli, Repalli.

Nellore District* :
O.E.L.M. Girl's Industrial School, Nayudupet.

Chittoor Dist.* :
American Arcot Mission Industrial School, Palamaner.

Madras :

C.N.T. Institute, Vepery.

Anjuman Industrial School, Mount Road.

Ramakrishna Mission Technical Institute, Mylapore.

The Gokulam Cottage Industrial School, 11-B, Eldams Road, Teynampet.

V. S. Rajagopalan's Radio Institute, Smith Road.

Thakkar Bapa Vidyalaya, T. Nagar.

Madras-Hussaini Yatcem Khana Industrial School, Thousand Lights

Secton School of Embroidery and Needlework Kilpauk.

The Sevasadan Industrial School, Chetput.

St. Anne's Industrial School, Royapuram

St. Joseph's Industrial School, for Girls, Mylapore.

Rani Rajyalakshmi Industrial Institute, Andhra Mahala Sabha Buildings, Mylapore.

Madras Hindu Sevak Sangh Industrial School for Girls, 67, Mulla Sahib Street, G.T.

The Royal Telegraph and Wireless Training School, Purasawalkam.

St. Joseph's Industrial School, Kallathappa Mudali Street, Vepery.

Chingleput District :

American Advent Mission Industrial School, Velacheri, St. Thomas Mount

Harjan Industrial School, Kancheepuram.

Government Victory Memorial Blind Industrial School, Poonamallee.

Lady Willingdon Leprosy Sanatorium, Tirumani, Chingleput

Methodist Mission Industrial School, Ikkadu.

St. Anthony's Industrial School, St. Thomas Mount.

North Arcot District :

Anjuman Industrial School, Vellore

Anjuman Industrial School, Melvisharam.

Anjuman Industrial School, Pirapattur

Don Bosco Industrial School, Vellore

South Arcot District :

St. Joseph's Industrial School, Tindivanam.

Danish Mission Industrial School, Pauruti.

Tanjore District :

District Board Industrial School, Tanjore

St. Francis Xavier's Industrial School, Tanjore.

St. Mary's Industrial School, Kumbakonam.

Municipal Arts School, Kumbakonam.

St. Clely's Industrial School, Kumbakonam.

Tiruchirappalli District :

St. Joseph's Industrial School, Tiruchirappalli.

Karur Industrial School, Karur.

Holy Cross Convent Industrial School, Tiruchirappalli.

St. John D'Britto Industrial School, Tiruchirappalli.

Vincent's Technical Institute, Tiruchirappalli.

Madurai District :

Pasumalai Trade School, Madurai.

The Arts School, Madurai.

C.S.M. Industrial School, Dindigul.

St. Joseph's Girl's Industrial School, Madurai.

Tirunelveli District :

S.P.G. Art Industrial School, Nazareth.

St. Joseph's Industrial School, Adakkalapuram.

Industrial School for the Blind, Palamcottah.

St. Ignatius Industrial School, Tuticorin.

H. C. Lace Industrial School, Vadakkankulam.

Hindu Girl's Industrial School, Kudankulam.

Salem District :

St. Theresa's Industrial School, Marvaneri, Salem.

Coimbatore District :

St. Joseph's Industrial School, Coimbatore.

P.B.G. & Son's Charity Industrial Institute, Peelamedu.

Sri Ramakrishna Mission Vidyalaya School of Engineering, Coimbatore.

Methodist Mission Industrial School, Dharampuram.

Nilgiris District :

St. Joseph's Industrial School, Ootacamund.

Malabar District :

St. Vincent's Girls Industrial School, Calicut.

South Kanara District :

Commonwealth Trust Engineering Works, Mangalore

St. Martha's Industrial School, Bethany, Mangalore.

St. Joseph's Industrial School, Bethany, Mangalore.

Sri Krishna Udyog Sala, P.O. Anandashram, Ramnagar, For Kanhangad

ANNAMALAI UNIVERSITY

Annamalainagar P.O.

South India.

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Prof. T. P. Navaneethakrishna, M.A. (Faculty of Science)

Dr. A. Chidambaram Chettiar, M.A., Ph.D. (Faculty of Oriental Studies).

Rao Bahadur P. Venkataramana Raju, B.E., C.E. (Hons.), M.E. (Ind.), I.S.E. (Rtd.), (Faculty of Engineering & Technology)

Librarian, K. Nagaraja Rao, M.A., B.L.

HOSTELS

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Engineering and Technology Hostel, C. Rajaram, B.A., B.E. (Warden); Sri. Lakshmanan Chettiar, M.Sc. (Tech.) (Dy. Warden).

Women Hostel, Smt. Kumuthavalli Ammal (Warden).

Medical Officer, Dr. D. A. D. Nath, D.M. & S.

Inspector of Recognized Hostels and Approved Lodgings, V. G. Ramakrishna Ayyar, M.A.

TEACHING STAFF

ENGLISH : Professor, M. S. Duraiswami, M.A.

Associate Professor, A. C. Subrahmanya Ayyar, M.A.

PHILOSOPHY : Professor, R. Ramanujachari, M.A.

HISTORY AND POLITICS : Professor, R. Sathlanatha Ayyar, M.A.

Associate Professor, A. Krishnaswami, M.A., L.T.

ECONOMICS : Professor, V. G. Ramakrishna Ayyar, M.A.

Associate Professor, M. K. Muniswami, M.A., B.L.

PHYSICAL EDUCATION : Professor and Director, L. K. Govindarajulu, B.A., B.L.

MATHEMATICS : Professor, Dr. V. Ganapati Ayyar, M.A., D.Sc.

Associate Professor, Dr. K. Rangaswami Ayyar, M.A., Ph.D.

PHYSICS : Professor, T. P. Navaneethakrishna, M.A.

Associate Professor, R. K. Viswanathan, M.A.

CHEMISTRY : Professor, Dr. V. Balliah, M.Sc., Ph.D. (Stauf).

Associate Professor, C. V. Suryanarayana, M.Sc., D.Phil.

* Now in Andhra. † Now in Mysore.

BOTANY: *Professor*, Dr. T. C. N. Singh, M.Sc., D.Sc.

ZOOLOGY: *Professor*, R. V. Seshalya, M.A.
Associate Professor, F. Govindan, B.Sc. (Hons.), Ph.D. (Michigan).

AGRICULTURE: *Professor*, Dr. S. Krishnamurthi, B.Sc. (Ag.), M.Sc. (Calif.), Ph.D. (Mich.).

TAMIL: *Professor*, Dr. A. Chidambaram Chettiar, M.A., Ph.D.

Associate Professor, L. P. Kr. Ramanathan Chettiar, Vidvan, Pandita.

SANSKRIT: *Associate Professor*, Dr. C. S. Venkateswaran, M.A., Ph.D., Siromani.

MALAYALAM, FRENCH, HINDI AND URDU: *Lecturers*, Malayalam, K. Kochukrishna Kurup, Vidvan; French, P. P. Thangavelu Pillai, B.A., B.L.; Urdu & Hindi, Gulam Rasool, Adeebi Fazil, Visharad.

MUSIC: *Professor*, Vidvan, Isai Mannar, Chittoor Subrahmanya Pillai.

TAMIL RESEARCH: *Associate Professor*, G. Subrahmanya Pillai, M.A., B.L., Vidvan (Offg. Professor).

ENGINEERING (CIVIL): *Professor*, Rao Bahadur P. Venkataramana Raju, B.E., C.E. (Hons.), M.I.E. (Ind.), I.S.E. (Retd.) (Professor of Civil Engineering and Head of the Department of Engineering); G. S. Ramaswami, B.E.M.S. (C.I.T.), C.E. (C.I.T.).

MECHANICAL: *Assistant Professors*, C. Rajaram, B.A., B.E.; B. Srinivasamurti, B.Sc., B.E.

ELECTRICAL: *Professor*, Paul Krishnamachari, B.E., M.Sc. (Calif.).

WORKSHOP: *Superintendent*, K. S. Ramamurti, B.E., A.M.I.E., A.M.I. Prod. E. (Lond.), A.I.A. (Lond.).

TECHNOLOGY: *Professor*, N. P. Palaniyappan, M.Sc., M.Sc. (Tech.) (Manch.).

ASSOCIATIONS, SOCIETIES

AGRI-HORTICULTURAL SOCIETY OF MADRAS

Nature of the body: Scientific.

Established 1885. Quarterly subscription for members in Class A Rs. 7, in Class B Rs. 3. *President:* H. E. The Governor of Madras; *Chairman:* V. S. Hejmadi, I.O.S.; *Hon. Secretary:* Richard Appel, M.D.; *Hon. Treasurer:* Rao Sahib P. S. V. Nambi.

AMERICAN BAPTIST TELUGU MISSION
25, Vepery High Road, Vepery, Madras.

Nature of Body: Religious.

Secretary:—E. Erickson.

Treasurer:—Olive E. Jones.

ARYA-VYSYA MAHASABHA

22, Thanikamchalam Chetty Road, Madras.

Nature of Body: Social.

Office Bearers: T. Virabhadra Rao, A. S. Chetty and T. Bhagavantam Gupta.

THE BHARAT SCOUTS AND GUIDES, MADRAS STATE

"Wenlock Park," South Beach Road, Post Box No. 424, Triplicane, Madras.

Nature of Body: Social.

President: Dr. R. M. Alagappa Chettiar.

State Chief Commissioner: K. Venkataswami Naidu.

State Secretary: V. S. Ratnasabhapathy.

THE CALICUT CHAMBER OF COMMERCE
Beach Road, Kozhikode 1.

Nature of Body: Commercial.

Chairman: W. W. Kilgour.

Hon. Secretary: E. McLean.

THE CINE TECHNICIANS' ASSOCIATION OF SOUTH INDIA

Congress Grounds, Madras 6.

Nature of Body: Professional.

President: A. Krishnan, B.A.

Sound Engineer, President: A. Krishnan, B.A.

Secretaries: Rajanikant, B.A., Asst. Director and M. E. Nagarajan, Sound Engineer.

THE CITY CENTRAL LEAGUE

Venkatier Street, Madras 1.

Nature of Body: Literary and Social.

Chief Patron: Dr. U. Krishna Rao, M.B., B.S.

President: S. Annadural, B.A., B.L.

Secretary: W. K. Ramaswamy, B.A.

Treasurer: W. S. Rajagopal, B.Sc.

EAST INDIA TOBACCO FEDERATION

2-6, Second Line Beach, Madras.

Secretary: T. M. Alyadural.

EMPLOYERS' FEDERATION OF SOUTHERN INDIA

Dare House, 1st Line Beach, Madras 1.

Secretary: F. W. A. Morris.

FRIEND-IN-NEED SOCIETY

Finabree Garden, 26, Poonamallee High Road, Madras 3.

Nature of Body: Social.

President: F. M. Thomas.

Hony. Secretary: F. R. Farrington.

Hony. Treasurer: J. A. Pires.

GOVERNMENT RAJA SIR RAMASWAMY

MUDALIAR'S LYING IN HOSPITAL

Madras 1.

Superintendent: Dr. P. Madhavan, B.A., M.D.

Assistant Superintendent: Dr. K. Bhasker Rao, M.D.

Resident Medical Officer: Dr. Minakshi R. Nayar.

THE HINDU GOOD TEMPLARS' LEAGUE

85/A, Audiyappa Nalcken Street, Madras 1.

Nature of Body: Social.

President: E. Loganatha Mudaliar.

Secretary: M. Ranganathan.

HINDUSTAN CHAMBER OF COMMERCE

11/12, Car Street, Netaji Subhas Chandra Bose Road, G. T., Madras 1.

Nature of Body: Commercial.

President: D. C. Kothari.

Vice-Presidents: S. Lalchand Dadha and N. T. Patel.

INDIA SUNDAY SCHOOL UNION

The India Sunday School Union, founded in Allahabad in 1876, is an interdenominational and ecumenical organisation having for its object the strengthening of religious and moral education in the Christian schools throughout India and Pakistan.

Nature of Body: Religious.

The headquarters of the Union are at Coonoor on the Nilgiri Hills.

The officers of the Union are as follows:—

President: Bishop S. K. Mondol.

Treasurer: F. P. D. Penning, Madras.

General Secretary: V. M. Koshy, Coonoor.

The latest statistics show that there are in India and Pakistan 22,304 Sunday Schools with 42,886 teachers, and 881,568 scholars.

THE INDIAN CHAMBER OF COMMERCE

14/73, Oppanakara Street, Post Box No. 14, Colmbatore.

Nature of Body: Commercial.

President: G. R. Govindarajulu Naidu.

Hony. Secretaries: V. S. Lakshmanan and J. S. Kannappan.

THE INDIAN CHAMBER OF COMMERCE

84-B, South Raja Street, Tuticorin.

Nature of Body: Commercial.

President: S. S. S. Manickavasaga Nadar, B.A.

Vice-Presidents: S. K. M. Shahul Hamid Maracayar; A. Venkatachala Iyer.

Secretary: K. E. S. Natesan Pillai.

INDIAN CHRISTIAN ASSOCIATION

Tiruchirappalli District.

Nature of Body: Religious.

President: Dr. E. P. Mathuram, M.P. *Vice-Presidents:* Rao Sahib D. Yesudian, B.A.; Theodore Samuel, M.A., L.T.; *Treasurer:* Capt. J. B. Davies, I.A.P.S.; *Publicity Officer:* M. P. H. Albert, M.A., L.T.; *Secretary:* R. J. Johnson, B.A., L.T., Dip. in Geo.; *Joint Secretary:* J. G. Clement, B.A., L.T. *Office:* 23, Pottukara Street, Palakarai, Tiruchirappalli, South India.

INDIAN COUNCIL OF CHILD EDUCATION

39, Edward Elliotts Road, Mylapore, Madras 4.

Nature of Body: Educational.

INDIAN MATHEMATICAL SOCIETY

(MYLAPORE, MADRAS.)

Nature of Body: Educational.

Founded in 1907 for the advancement of mathematical studies in India. It conducts two quarterly journals, *The Journal of the Indian Mathematical Society* and *The Mathematics Student*; The Society maintains a library of books and current mathematical periodicals in all languages and some new books on the subject.

There are about 400 members from all parts of India.

The Society has been registered and its headquarters are Gwyer Hall, University of Delhi, Delhi.

President: Dr. T. Vijayaraghavan, Ramanujan Institute of Mathematics.

Secretaries: Dr. Ram Behari, Delhi University and Prof. S. Mahadevan, 2, Bhaskarapuram, Mylapore, Madras.

INDIAN RED CROSS SOCIETY, MADRAS STATE BRANCH

Red Cross Buildings, Monteth Road, Egmore, Madras 8.

Nature of Body: Social.

President: Dr. Sir A. Lakshmanaswami Mudaliar.

Vice-Presidents: Mr. Justice K. Ramaswami Gounder; T. M. Narayanaswami Pillai, M.A., B.L., M.L.C.

Hon. Treasurer: Major G. V. Pal.

Hon. Secretaries: C. Amritaganesan; Mrs. V. Hanumantha Rao Naidu.

INDIAN ROADS AND TRANSPORT DEVELOPMENT ASSOCIATION LTD.

Post Box No. 1270, Burmah-Shell House, Esplanade, Madras.

Nature of Body: Commercial.

Chairman: N. R. Ramsay.

Vice-Chairman: T. S. Sundaram.

Hon. Secretary and Treasurer: F. W. Fegen.

KALAKSHETRA—INTERNATIONAL ACADEMY OF THE ARTS, ADYAR, MADRAS 20

Nature of Body: Literary.

Founded at Adyar in 1936 by Shrimati Rukmini Devi.

A weaving department, famous all over India for its manufacture of saris, and a publication department are also part of the Academy's activities. Attached to the Academy is the Mahamahopadhyaya Dr. U. V. Swaminatha Iyer Library, the largest Tamil Manuscript Library in the world, with a rare collection of palm-leaf manuscripts.

Two other educational institutions work in close connection with and are benefited by the Kalakshetra's art activities, namely the Besant Theosophical High School and the Arundale Training Centre for Teachers (Montessori System).

THE KANARA CHAMBER OF COMMERCE
P.O. Box No. 116, Bunder, Mangalore, South Kanara District.

Nature of Body : Commercial.
President : A. Umanath Rao.
Honorary Secretary : U. Subraya Mallia.
Treasurer : P. Laxminarayana Rao.

KASTURBA GANDHI HOSPITAL FOR WOMEN AND CHILDREN
Madras.

Superintendent : Dr. Mrs. Parukutty Raman, M.D., M.R.C.P., D.T.M. & H.
Assistant Superintendent : Dr. Mrs. John, M.B., B.S., F.R.C.P.
Lay Secretary and Treasurer : A. Ranganathan.

KING INSTITUTE

Guindy, Saidapet P.O., Madras 15.
Nature of Body : Educational.
Director (on leave), Dr. Y. S. Narayana Rao, M.B., B.S., D.T.M. (Cal.), D.B. (London).
Acting Director : Dr. M. Narayana Pal, M.B., B.S.
Government Analyst : S. Narayana Iyer, M.A., A.I.I.Sc., A.R.I.C.
Assistant Director : Dr. M. K. K. Menon, M.B., B.S.

THE MADRAS AMATEUR PHOTOGRAPHIC SOCIETY

9, Armenian Street, Y.M.I.A. Buildings, Madras 1.
Nature of Body : Scientific.
President : Dr. Damoder Das, M.B., B.S., T.D.D. (M).
Secretary : Vedagiri S. Sundaram, B.A. (Hons.) (Econ.), M.A. (Pol. Sc.), F.R.E.S.
Treasurer : E. Ramalingam.

MADRAS CHAMBER OF COMMERCE

"Dare House," First Line Beach, Madras.
Nature of Body : Commercial.

There are three kinds of members, ordinary members, honorary members and affiliated members. Election for membership is by ballot. The Chamber undertakes arbitrations and surveys, and the granting of certificates of origin.

There are 83 Firms, who are Members of the Chamber; and there are 5 Affiliated Members and 8 Honorary Members of the Chamber.

Chairman : H. I. Wofor. *Vice-Chairman* : J. O. G. Barnes. *Secretary and Adviser* : F. W. A. Morris, O.B.E.

Chamber's representatives on various public bodies :—

Corporation of Madras : H. I. Cormack.
Madras Port Trust : N. Barlow, F. G. Hadden.
Southern Railway Advisory Committee : S. S. T. Charl. *Board of Communications* : W. A. Griffiths. *Senate of the University of Madras* : S. S. T. Charl. D. J. Jiyasu. *Senate of the Annamalai University* : R. Madhavachari. *East Indian Tanned Kips and Skins Sub-Committee* : F. A. Pope. *Telephone Advisory Committee* : S. S. T. Charl. *Board of State Aid to Industries* : S. G. H. Davis. *Madras State Cotton Committee* : I. H. Cameron. *Port Pilferage Committee* : J. G. Young. *Ex-Services Association (India)—Madras Branch* : I. Cumming. *Posts & Telegraphs Advisory Committee* : I. Cumming. *Executive Committee of the Tuberculosis Ex-Patients Colony, Tambaram* : A. Singalair Rose. *State Advisory Committee on Forest Utilisation* : N. F. Still. *Merchant Seamen's Welfare Committee, Madras* : J. G. Young. *Seamen's Institute* : A. W. Stanfield.

THE MADRAS INDUSTRIES ASSOCIATION

166, Mount Road, Madras 2.
Nature of Body : Commercial.
President : C. Perumalsami Reddiar, M.L.C.
Vice-President & Treasurer : P. M. Audikosa-
valu Naicker.
Superintendent : M. Venkatasubbalya, B.A.
(Co-operative Sub-Registrar).

MADRAS LIBRARY ASSOCIATION

4, Sami Pillal Street, Triplicane, Madras 5.
Nature of Body : Educational.
President : K. V. Krishnaswamy Aiyar.
Secretary : K. Chandrasekharan; S. M. Fossil;
S. R. Ranganathan.
Asst. Secretary : K. M. Sivaraman.

MADRAS LITERARY SOCIETY AND AUXILIARY OF THE ROYAL ASIATIC SOCIETY

Office : College Road, Nungambakam, Madras.
The Society's Library contains nearly a lakh of books which are circulated to members.

MADRAS OIL & SEEDS ASSOCIATION

Parry's Old Bldg., P.O. Box No. 1639, Madras 1.
Secretary : V. S. Krishnamurti.

THE MADRAS PIECEGOODS MERCHANTS' ASSOCIATION

100, Godown Street, Madras 1.
Nature of Body : Commercial.
President : V. Devarajulu Chetty.
Vice-Presidents : T. V. Ethirajulu Chetty,
B.A.; Narandas J. Dutla.
Honorary Secretary : B. M. Mehta.
Honorary Treasurer : J. Rangiah Chetty.

MADRAS PROVINCIAL FOOD GRAINS MERCHANTS' ASSOCIATION

40, Anderson Street, Madras 1.
Secretary : S. Ramaswamy Iyer.

MADRAS PRESIDENCY ELECTRIC LICENSEES ASSOCIATION

10, Mount Road, Madras 2.
Secretary : K. Gopal Rao.

THE MADRAS PROVINCIAL HANDLOOM CLOTH MERCHANTS' ASSOCIATION

Post Box No. 1598, 65, Armenian Street, Madras 1.
Nature of Body : Commercial.
President : M. S. A. Majid, B.A.
Vice-President : S. Hussain
Hony. Secretary : M. S. A. Rahim.

THE MADRAS PROVINCIAL HOTELS ASSOCIATION

280, Netaji Subhas Bose Road, Madras 1.
Nature of Body : Commercial.
President : Basantlal Gupta, B.A., B.L.
Vice-President : K. Krishna Rao.
Hony. Secretary : C. S. Viswanatha Iyer.

THE MADRAS SOCIETY FOR THE PROTECTION OF CHILDREN

465, T.H. Road, Washermanpet, Madras 21.
Nature of Body : Social.
Chairman, Managing Committee : Mr. Justice P. Chandra Reddy Garu.
Honorary Secretary : D. Kanniah Nayudu, B.A.
Hony. Treasurer : T. Ramanujam, B.A., B.L.

MADRAS STOCK EXCHANGE ASSOCIATION LTD.

378, Esplanade, Madras 1.
Secretary : E. R. Krishnamurti.

MADRAS TRADES ASSOCIATION

Spencer Bldgs., Mount Road, Madras 2.
Secretary : C. W. Stephenson.

THE MADRAS UNIVERSITY STUDENTS INFORMATION BUREAU

Room No. 6, University Buildings, Madras.
Nature of Body : Social and Educational.
Chairman : The Vice-Chancellor, Madras University.
Deputy Chairman : Director of Public Instruction, Madras.

Secretary : G. A. Dharma Rajan, M.A. (Oxon).

MADRAS YARN MERCHANTS' ASSOCIATION

2-64, Mint Street, Madras 3.
Secretary : V. Mangalvadekar.

THE MADURA EXHIBITORS' ASSOCIATION

New Cinema Buildings, Mainguard Square, Madurai.

Nature of Body : Commercial.
President : P. A. B. Kuppuswamy Iyer.
Vice-President : K. Nataraja Pillai.
Honorary Secretary : N. R. Seetharamier.

MADURA RAMNAD CHAMBER OF COMMERCE

273, Ramnad Road, Madurai, South India.
Nature of Body : Commercial.
President : K. M. S. Lakshmanier.
Vice-President : P. M. Pandia Nadar.
Hon. Secretaries : R. Nagaraj; A. R. Baghavan.

THE MALABAR CHAMBER OF COMMERCE

Old Ennpessa Hotel Building, Calicut, Malabar.
Nature of Body : Commercial.
President : P. P. Hassan Koya, B.A., B.L.
Hon. Secretary : J. D. David.
Manager : M. K. Krishnan.

MOTOR VEHICLES' AND ALLIED MERCHANTS' ASSOCIATION

1/155, Mount Road, Madras 2.
Nature of Body : Commercial.
Chairman : T. S. Santhanam.
Vice-Chairman : K. Hariharan.
Secretary : S. N. Ramasami, M.A.

THE MUSLIM EDUCATIONAL ASSOCIATION OF SOUTHERN INDIA

"Association Gardens," 49, Peters Road, Royapettah, Madras 14.
Nature of Body : Literary and Social
President : Janab Haji Moulvi M. Nazir Husain Sahib
Honorary Secretary : M. S. A. Majid, B.A., Ex-M.L.A.
Honorary Asst. Secretary : Mrs. Ayesha S. Abdul Qadir, M.A., L.T.

THE NEO-MALTHUSIAN LEAGUE

Office : -8/11, Gandhipuram, 5, Colmbatore (South India).
Madras Office :—48, Avadanam Papier Road, Vepery, Madras.

Nature of Body : Social.

This organisation, with subsidiary Birth Control Clinics have been functioning in Colmbatore and Madras since 1936. It has brought out publications in English, Tamil, Malayalam, Telugu, Canarese, Hindi and Urdu on birth control and allied subjects.

Patron: The Maharaja of Pittapur. **President:** Sir P. S. Sivaswami Aiyar, K.O.S.I., C.I.E.

Vice-Presidents: Sir C. P. Ramaswami Aiyar, K.O.I.E.; Sir V. Ramesam, Kt.; Sir M. Venkatasubba Rao, Kt.

Secretary and Manager: R. K. Nair; **Lady Asst.:** Mrs. R. K. Nair.

The official organ of the League is *The Madras Birth Control Bulletin*.

THE RAMALINGA MISSION

"Sanmarga Vilas," 61, Sami Pandaran Street, Mount Road, Madras 2.

Nature of Body: Social, Literary and Religious.

President: P. Durakannoo Mudalliar, M.A. (Hist.), L.T.

Vice-President: S. Murugesu Mudalliar, B.A., L.T.

Secretary: M. A. Nityananda Mudalliar.

SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS

Vepery High Road, Vepery, Madras 7.

President: Mr. Justice N. Somasundaram.

Honorary Secretary: P. M. Balasubramania Mudalliar, B.A., B.L.

Honorary Treasurer: Sathrasala Venkatarani, F.C.I., F.Com., S.C.A.

SOUTH INDIA TANNERS AND DEALERS ASSOCIATION

Ranipet, North Arcot District, Madras State.

Nature of Body: Commercial.

President: Janab Ch. Fakir Muhammad Sahib.

Hon. Secretary: Janab A. B. Hajee Md. Sulaiman.

Secretary: S. V. Sundara Raman.

THE SOUTHERN INDIA BRAHMO SAMAJ

135, Anna Pillai Street, G.T. Madras.

Nature of Body: Spiritual and Social.

Institutions connected with the Samaj: the Brahmo Samaj Higher Elementary Day School, The Brahmo Samaj Free Reading Room, the Depressed Classes Mission Society, Sir R. Venkatraman Memorial Orphanage, 50, Gangadarsawar Kail Street, Purasawalkam.

President: Smt. K. Alamelumangai Thayarammal

Hon. Secretary and Supdt., Orphanage: C. S. Natesan.

Manager: M. Ram Mohan

SOUTHERN INDIA CHAMBER OF COMMERCE

Indian Chamber Buildings, Madras.

Nature of Body: Commercial.

Three classes of members: Affiliated, Resident and non-Resident.

The Chamber is a member of the Federation of Indian Chambers of Commerce, the Indian Chamber of Commerce in Great Britain, and the Indian National Committee of the International Chamber of Commerce, Paris.

The Chamber holds survey and arbitration, issues certificates of origin and certificates of invoices; certificates of sampling, analysis and weights.

The Chamber has about 900 members on the rolls and has its own building.

President:—M. A. Chidambaram Chettiar.

Vice-Presidents:—P. R. Nammalwar and T. Ranganatha Mehta.

Secretary:—K. A. Menon.

SOUTHERN INDIA JOURNALISTS' FEDERATION

5-6, Sri Rama Buildings, Mount Road, Madras 2.

Nature of Body: Literary.

Has a membership of more than 400. Membership is open to all South Indian Journalists.

Since November, 1949, the Federation has been running a monthly journal *The South Indian Journalist*. (**Editor:** Khasa Subba Rao).

OFFICE BEARERS: **President:** N. Raghunatha Aiyar (The Hindu); **Vice-Presidents:** S. Saranganatnam (Swadesamitran); V. S. G. Sarma (Indian Express) and S. A. Govindarajan (The Hindu); **General Secretary:** V. K. Narasimhan (The Hindu); **Joint Secretary:** R. Balan (Sunday Times); **Treasurer:** R. Sundaram (The Hindu).

THE SOUTHERN INDIA SKIN & HIDE MERCHANTS' ASSOCIATION

16, Sydenham's Road, Periamet, Madras 3.

Nature of Body: Commercial.

Hon. Secretaries: Janab M. Hajee Nazir Hussain Sahib; Janab C. Hajee Fakir Mohamed Sahib, C. Kalyanasundaram Chettiar.

SRI RAMAKRISHNA MATH

Mylapore, Madras 4

Nature of Body: Philanthropic and Religious

President: Swami Kailashananda.

Manager: Swami Suddhasatwananda.

Editor, Vedanta Kesari: Br. Vireswar Chaitanya.

ST. JOHN AMBULANCE ASSOCIATION. SOUTH INDIAN STATE CENTRE

Red Cross Buildings, Monteith Road, Egmore, Madras 8.

Nature of Body: Social.

President: Sri Prakasa, Governor of Madras
Chairman: Dewan Bahadur T. M. Narayanaswamy Pillay.

Hon. Secretary: Rao Sahib Dr. K. N. Nair, O. S. J.

THEOSOPHICAL SOCIETY

International Headquarters: Adyar, Madras.

Nature of Body: Religious

Objects: To form a nucleus of the Universal Brotherhood of humanity, without distinction of race, creed, sex, caste or colour; to encourage the study of comparative religion, philosophy, and science; to investigate unexplained laws of nature and the powers latent in man.

The Indian Section consists of 377 Lodges with headquarters at Banaras City, U.P. **General Secretary:** Rohit Mehta.

The Society has its own printing house (Vasanta Press) and the Theosophical Publishing House where books and journals are produced and dispatched to many countries.

President: N. Sri Ram, B.A.

Vice-President: Sidney A. Cook.

Recording Secretary: Ann Kerr.

Treasurer: H. B. F. Moorhead.

UNITED PLANTERS' ASSOCIATION OF SOUTHERN INDIA

"Glenview," Coonoor, Nilgiris.

Nature of Body: Commercial.

President: Col. G. A. R. Spiln.

Secretary: L. E. Mitchell.

Asst. Secretary: P. S. Subramaniam.

YOUNG MEN'S CHRISTIAN ASSOCIATION

Esplanade, Madras 1.

Nature of Body: Social.

President: P. C. Mathew, Commissioner of Transport.

Hon. Treasurer: C. Gokhavi, Accountant, Railis (India), Ltd.

General Secretary: O. V. Alexander

YOUNG MEN'S INDIAN ASSOCIATION

9, Armenian Street, Madras 1.

Nature of Body: Literary and Social.

President: Sir C. P. Ramaswami Aiyar.

Chairman, Managing Committee: Capt. G. Srinivasamurthi.

Hon. Jt. Secretaries: S. Narayanaswamy and L. Srinivasan.

CHURCHES IN THE CITY OF MADRAS

THE CHURCH OF SOUTH INDIA

Diocesan Office, Cathedral P.O., Madras 6.

Bishop in Madras and Moderator: Most Rev. A. M. Hollis, M.A., B.D.

CHURCH OF SOUTH INDIA

Sholinghur, North Arcot.

Asst. Bishop in Madras: Rt. Rev. Bunyan Joseph.

ST. ANDREW'S CHURCH

Choolai, Madras 7.

Rev. Andrew Abraham, L.Th.

HARWOOD RAW MEMORIAL CHURCH

22, Perambur Barracks Road, Vepery, Madras 7.

Rev. P. J. S. Appadurai.

GOOD SHEPHERD CHURCH

Sullivan's Garden, Mylapore P.O., Madras 4.

Rev. C. S. Bulraj.

SAN THOME TAMIL CHURCH

Mylapore, Madras 4

Rev. H. Chinniah, M.A.

ZION CHURCH

Chintadripet, Madras 2.

Rev. V. J. Christo Doss, M.A., L.T., B.D.

SAN THOME ENGLISH CHURCH

San Thome, Mylapore, Madras 4.

Rev. H. Chinniah, M.A.

ST. MARY'S CHURCH

Fort St. George, Madras 9.

Rev. R. L. Watson

C. M. S. TUCKER CHURCH

36, Broadway, Madras 1.

Rev. Peace B. David, B.A., B.D.

ST. PAUL'S CHURCH

Vepery, Madras 7.

Rev. R. Duralappa.

ST. MATHIAS' CHURCH

Vepery, Madras.

Rev. S. J. D'Morins, B.A., B.D.

LONDON MISSION CHURCH

Chapel Street, Vepery, Madras 7.

Rev. W. D. Gnanananda.

C. M. S. CHURCH

Washermanpet, Madras 21.

Rev. W. D. Gnanaprakasam.

ANDERSON CHURCH

Hermitage, 1-A, Gopal Street, T. Nagar, Madras 17.

Rev. T. P. Gopalasamy.

ST. JOHN'S CHURCH

Egmore, Madras 8.

Rev. B. C. Joseph.

CHURCH OF SOUTH INDIA

Lebanonpuram, Perambur, Madras 11.
Rev. J. Manickam.

HOLY TRINITY CHAPEL

1/8, Hunter's Road, Vepery, Madras 7.
Rev. R. S. Michael, B.A., L.T.

CHURCH OF SOUTH INDIA

15, Jones Street, George Town, Madras 1.
Rev. James Muthiah, B.D.

WESLEY CHURCH

"The Manse," Poonamallee High Road, Vepery,
Madras 7.

Rev. John Mills.

ST. PAUL'S CHURCH

Vepery, Madras 7.

Assistant Presbyter: Rev. I. S. Mills.

Rev. A. M. Payler,

"Wesley House,"

Ritherdon Road,

Vepery, Madras 7.

CHURCH OF SOUTH INDIA

20, Main Road, Perambur, Madras 11.
Rev. C. Rajaratnam, B.D.

CHURCH OF SOUTH INDIA

Poonamallee (Chingleput Dist.)
Rev. J. V. Roberts, B.D.

CHRIST CHURCH

Mount Road, Madras 2.

Chaplain: Rev. H. Rigg Stansfield, G.O.R.,
P.A.S.I., M.R.S.I.

CHURCH OF SOUTH INDIA

Royapuram, Madras 13.

Rev. J. S. Subramaniam, B.D.

LONDON MISSION

Davidson Street, George Town, Madras 1.

Rev. P. R. Samuel, L.Th.

ST. MARK'S CHURCH

49, S. N. Chetty Street, Royapuram, Madras 13.

Rev. H. C. William, M.A., B.D.

MALAYALAM CONGREGATIONS

20, Nammalwar Chetty Street, Vepery, Madras 7.

Rev. C. T. Thomas.

CHURCH OF SOUTH INDIA

41, Adam Street, Mylapore, Madras 4.

Rev. I. D. Victor.

ST. GEORGE'S CATHEDRAL

Cathedral P.O., Madras 6.

Rev. R. L. Watson.

WESLEY CHURCH

"Wesley Villa," Peter's Road, Royapettah,
Madras 14.

Rev. Edwin Yesudhian, B.D.

EMMANUEL METHODIST CHURCH

13, Jeremiah Road, Madras 7.

Nature of Body: Religious.

Pastor: Rev. A. F. Schneck.

Lay Leader: C. G. Gokavi.

Treasurer: Edgar Strur.

ENGLISH BAPTIST CHURCH

2/38, Vepery High Road, Madras 3 (next to the
Veterinary College, Madras).

Nature of Body: Religious.

Minister and Chairman, Board of Trustees:
Rev. E. A. C. Baynes, B.D.

Secretary and Treasurer: Miss D. O. Chow-
ryappa, M.A.

Trustee: Mrs. B. David Baynes.

HOLY TRINITY GARRISON CHURCH

Mahatma Gandhi Road (South Parade - Old
Madras Road), Madras.

Nature of Body: Religious.

Military Chaplain: Rev. T. S. Pushpanaden.

Secretary: S. R. Swamidos.

Treasurer: Fred Pushpanaden, M.Sc.

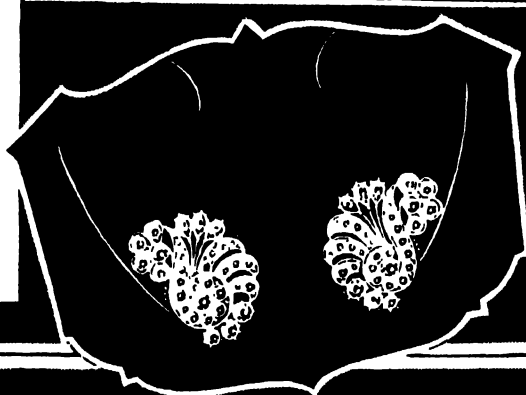
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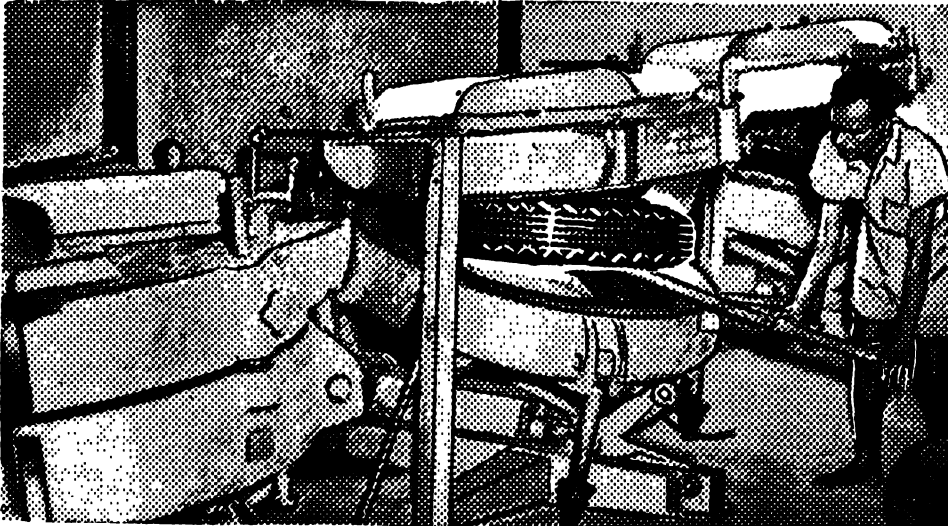
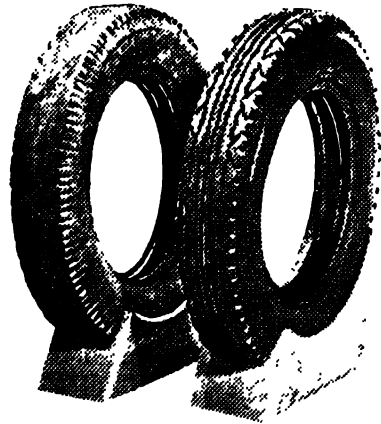
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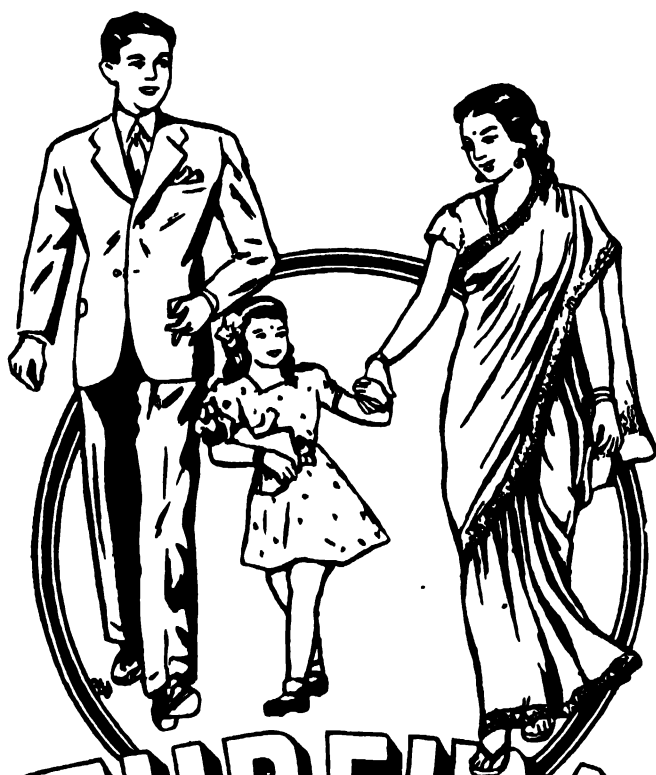
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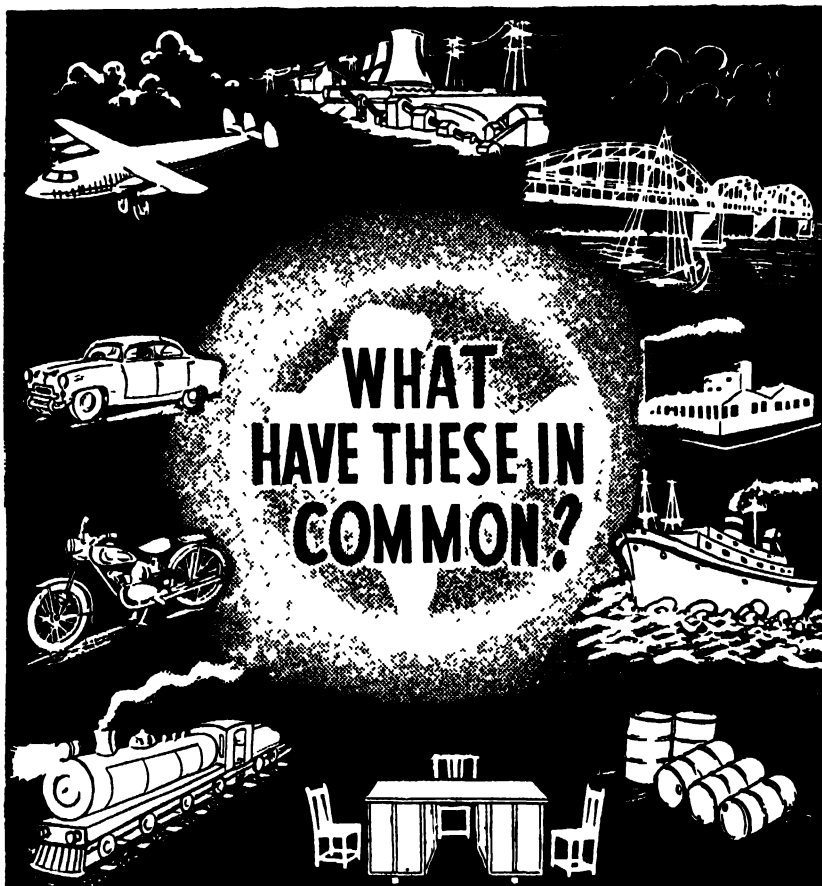
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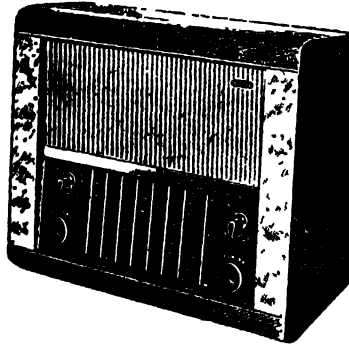
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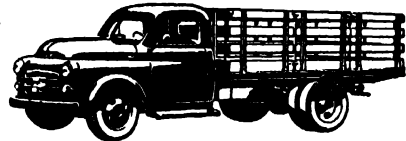


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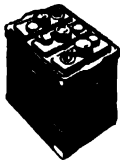
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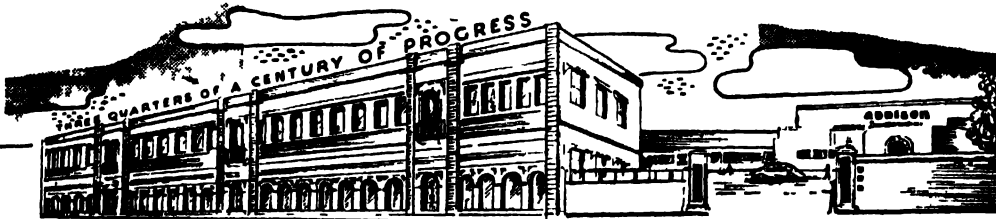


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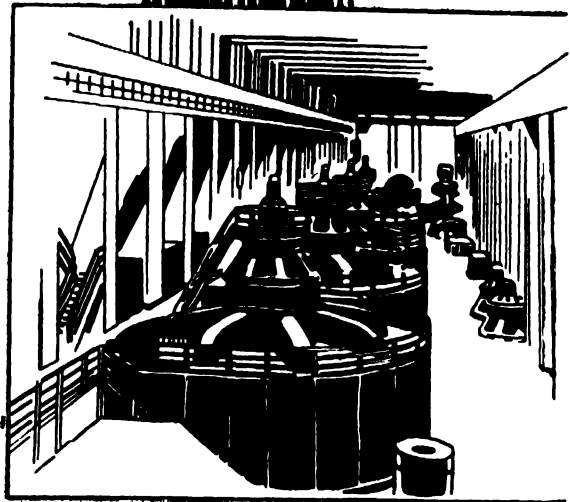
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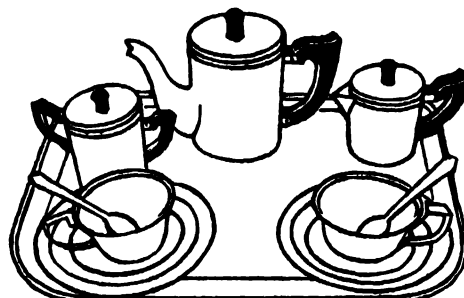
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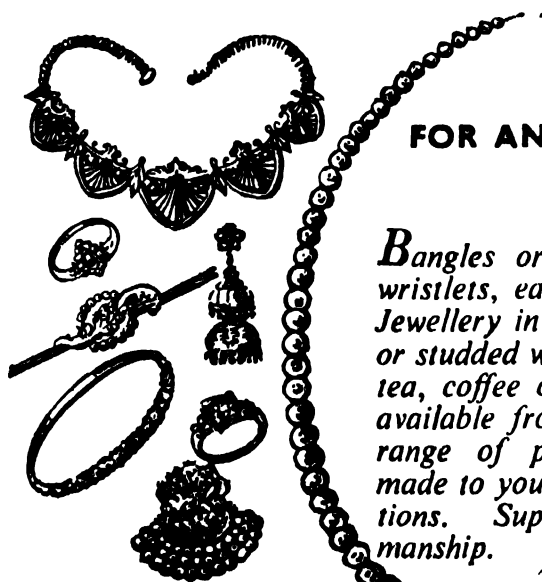
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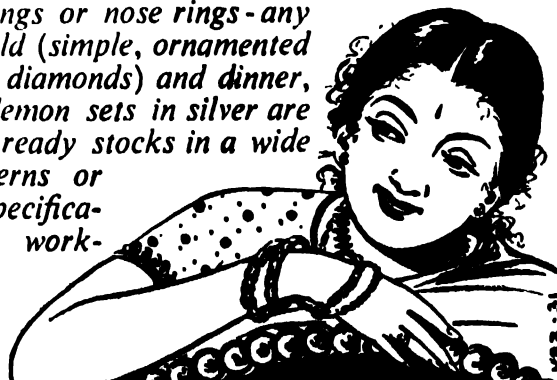
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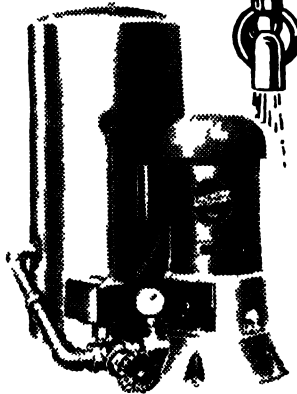
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 Aniline Dyes and Chemicals.—Dyes and Chemicals. 209, Govindappa Naicken Street, Madras.
 Capa Limited.—Chemicals. 58, Chinnathambi Street, Georgetown, Madras.
 Chari & Ram.—Dyes. East Gate, Madurai Dist.
 Chokshi Brothers.—Photo goods. 5/17, Mount Road, Madras.
 Chowgule & Co.—Photo materials. 9, Sembudoss Street, Madras.
 Dadajee Dhackjee & Co. Ltd.—Dyes. 197, Govindappa Naicken Street, Madras.
 Dhampalal Mootha.—Murray, etc. 101, Narayana Mudali Street, Madras.

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Gant & Sons.—Watches and clocks. 55/57, Rattan Bazar, Madras.
 Jalal & Sons.—Watches and clocks. 46, Rattan Bazar, Madras.
 F. Orr & Sons.—Watches. 200, Mount Road, Madras.
 E. C. & Co.—Watches and clocks. 107, China Bazar, Madras.
 Rasi Limited.—Watches and clocks. 69, Rattan Bazar, Madras.
 Vasantha Watch Co.—Watches. Court Road, Kozhikode.
 Western Trading Co.—Watches. 13, 14, East Chitral Street, Madurai Dist.

COFFEE

Abdulkader and Kastajan.—Coffee. Goodshed, Mangalore.
 Annappa Subraya Nayak & Co.—Coffee. Bunder, Mangalore.
 Brook Bond (India) Ltd.—Coffee. Palmgrove Road, Coimbatore.
 Chettiar & Co.—Coffee seeds. 39, Town Hall Road, Madurai Dist.
 Coimbatore Commercial Corporation.—Coffee. R. G. Street, Coimbatore.
 Dada Haji Ebrahim Halari.—Coffee. Bunder, Mangalore.
 Dorai Brothers.—Coffee. Gandhi Bazar, Palghat Municipality.
 Genesh & Co. Ltd.—Coffee seeds. 22, Venkatanarayana Road, T. Nagar, Madras.
 India Coffee Board.—Coffee seeds. Batlagundu.
 India Coffee House.—Coffee powder. 192, Mount Road, Madras.

COIR AND COIR GOODS

Abdul Rahim Bewther & Sons.—Coir. Salem Junction.
 Alapati Ramamurthy, Gelli Krishnamurthy & Co.—Coir and rope. Main Bazar, Vijayavada.

Boorchand & Sons.—Carpets. Visakhapatnam.
 Casu & Bros.—Coir Yarn. Fort Cochin.
 Day Limited (H.E.).—Coir yarn. Fort Cochin.
 Perechen & Co. (P).—Coir yarn. Kadalundi.
 Repley & Co.—Carpets. Kakinada.
 Ramalakshmana & Co.—Carpets, wicks, tapes, etc. Arunachala Asari Street, Salem.
 Venkatalakshmi & Co.—Carpets, wicks, tapes, etc. 66, Chinna-muthu Street, Shevapet, Salem.
 William Goodacre & Sons.—Coir yarn, coir fibre and coir matting. Beach Road, Kozhikode.

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Commercial Credit Corporation (1943) Ltd.—Commission agents, 1/18, Mount Road, Bharath Buildings, Madras.
 Co-operative Marketing Society. Commission agents. Karur Tk.
 Co-operative Stores.—Commission agents, agency goods. Salur.
 Hind Mercantile Corporation—Commission agents. 308/9, Linghi Chetty Street, Madras.
 Ismaila Commercial Syndicate Auctioneers. 8, Chinnathambi Street, Madras.
 Japee & Co. (P K) Indenting agents 171, Nainappa Naick Street, Madras.
 Jonnalagadda Sriramulu Commission agents Tenali Town, Guntur.
 Mayil Dayabhai—Agency goods. Parvatipur.
 Oriental Mercantile Agencies—Manufacturers and representatives. 99, Armenian Street, Madras.
 Oriental Mercantile Distributors—Merchants and agents. 99, Armenian Street, Madras.

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 Babu Confectionery—Confectionery. 26, Muthia Mudali Street, Washermanpet, Madras.
 Charley & Co.—Biscuits. Tirumangalam, Madurai Dist.
 Gowri & Co.—Biscuits. Ullampatti, Madurai Dist.
 Harrison & Co.—Bakery. 168, Broadway, Madras.
 Milady's Stores.—Biscuits. 54, Badrian Street, Madras.
 Pen Soss.—Biscuits. Ullampatti, Madurai Dist.
 Ratna Biscuit & Co.—Biscuits. Ullampatti, Madurai Dist.
 Sattas & Co.—Biscuits. Ullampatti, Madurai Dist.
 Savoy.—Bakery. 154, Purasawalkam High Road, Madras.

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Andra Construction & Co.—Works contracts. Lakshminarayana-puram.
 Bhawoo Kasinath & Co.—Government contractors. 6, Patulla Road, Mount Road, Madras.
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 Kunjathoor Pakru Beary.—Dry Fish. Puttur.
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 Mahabood Ghee Stores.—Ghee. Nidubrolu, Guntur.
 Mahalakshmi Butter & Co.—Butter and Ghee. Tenali Town, Guntur.
 Meeramchand Nemichand.—Ghee. Guntur.
 Moremali Venkatakrishnayya Son.—Ghee. Guntur.
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 Baratha Co-operative Stores.—Provision stores. 154, Aavictolra Street, Tuticorin.
 Caree Venkatasubba Rao & Co.—Tamarind. Guntur.
 Central Scientific Co., Ltd.—Provision and general goods. Tambaram.
 Chakka Lakshminarayana.—Groceries. Guntur.
 Co-operative Stores.—Provision stores. Arni, North Arcot Dist.
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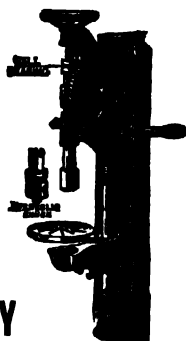
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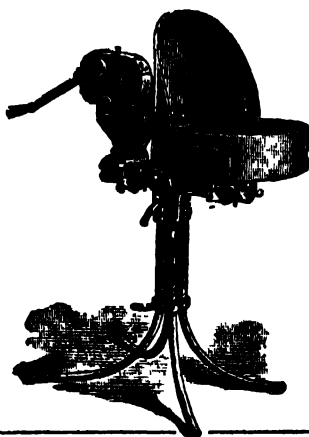
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 All-India Spinners Association Spinning Implements. Tirupur.
 Andhra Industrial Syndicate Ltd. Machinery. Jawaharlal Nehru Road, Vijayavada.
 Annappa Shanbhogue & Bros (K).—Cutlery. Market Road, Mangalore.
 Asiatic Agencies. Oil engines. 198, Bunder Street, Madras.
 Avery, W. T. & Co., Ltd.—Weights and country machines. 10, Armenian Street, Madras.
 Bengal Trading Co.—Cutlery. 4, Tholasingam Street, Madras.
 Bharata Engineering Co.—Mill stores. Convent Street, Vijayavada.

MATCHES

Ananda Match & Co.—Matches. Tirumangalam, Madurai Dist.
 Brilliant Match Works.—Match works. Colnabatore.
 Eastern Match & Co.—Matches. Tirumangalam, Madurai Dist.
 E. P. Brothers. Splints, venners, etc. Ottappalam, Walluvanad Taluk.
 Kalswari Colour Match Works.—Matches. Sattur.
 Meenambigal Match Works.—Match. Sivakasi.
 National Fireworks.—Fireworks. Sivakasi.
 Original Match Works.—Match. Sattur.
 Sankaralinga Nadar Brothers (K.A.A.).—Matches. Sivakasi.
 Standard Match Industries. Match. Sivakasi.

MATS

Alwar Nadar (V). Coconut leaves. No 0-89, B. B. Road, Krishnampet.
 Loran (T.A.). Mats. Fort Cochin.
 Muppidathi Chettair (T.M.).—Bamboo mats. Sankarankoll.
 Paramasivan & Co (K).—Coconut leaves. Barber's Bridge Road, Mylapore.
 Ramalinga Nadar (K.R.M.).—Mats. Uchitpulli.
 Ramaswami Gounder & Sons Co.—Mats. Sandapattal Street, Karur Taluk.

MECHANICAL ENGINEERS

Modi & Modi.—11, Linghi Chetty Street, Madras 1.

MILITARY DISPOSALS

Gulabchand Sohanlal.—Military disposals and salvage goods. 236, Tiruvottiyur High Road, Washermenpet, Madras.

MILK AND MILK PRODUCTS

Bombay Stores.—Milk powder. 51/52, Pycrofta Road, Triplicane, Madras.
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 Chittoor Co-operative Milk Supply Union Ltd.—Milk. Chittoor, Chittoor Dist.
 Colnabatore Co-operative Milk Supply Union.—Milk. R. S. Puram, Colnabatore.
 Madras Co-operative Milk Supply Union Ltd.—Milk. Aynavaram, Madras.
 Madras Corporation.—Milk powder. 60, Chinnathambal Street, Madras.
 Madurai City Co-operative Milk Supply Union.—Milk. Good Shed Street, Madurai Dist.
 Nestles Products.—Milk powder. 30, Second Line Beach, Madras.
 Ootacamund Co-operative Milk Supply Society.—Milk. Walsingham Road, Victoria Hall, Ootacamund.
 Tanjore City Co-operative Milk Supply Union Ltd.—Milk. Tanjore.

MINERALS

Ahainadali Bros.—Coal. Hanumanpet, Vijayavada.
 Alluri Ramarao.—Coal. Kovvur.
 Andra Produce Supplies.—Mica. Gudur.
 Babu Industries.—Slates. Town Station Road, Tiruchirappalli.
 Chenga Reddy & Co., Ltd.—Mica. Gudur.
 Cochlin Coal Co., Ltd.—Coal. Fort Cochin.
 Coromandel & Co.—Shipping agents for coal and manganese ore. Visakhapatnam.
 General Trading Co.—Barytes. Nagarajupeta, Cuddapah.
 Indian Union Mica Produce.—Mica. Gudur.
 Jajodius Ltd.—Mica. 40/42, Mookur Nallamuthu Street, Madras.

MUSICAL INSTRUMENTS

Ama Ltd.—Radios. 189-B, Mount Road, Madras.
 Calicut Electric & Novelty Stores.—Dealers in radios. S. M. Street, Kozhikode.
 Dugal & Co. (G.S.).—Radios. 35, Mount Road, Madras.
 General Radio & Appliances.—Radio. 18/20, Boothaperumal Naicken Street, Madras.
 Gramophone Co.—Gramophones, radios and accessories. 122, Mount Road, Madras.
 Radio & Electricals Ltd.—Radio goods. No. 1, 29-B, Mount Road, Madras.
 Saraswathi Stores. Gramophone records. 2/159, Mount Road, Madras.
 Universal Agencies. Radios. 3/18, Mount Road, Madras.
 Western Trading Co.—Gramophone records. 13/14, East Chitral Street, Madurai Dist.
 Wireless Sales & Service.—Radios. Mount Road, Madras.

NON-FERROUS METALS

Aluminium and Glassware Emporium.—Aluminium. 289, China Bazar Road, Madras.
 Aluminium Workers Co-operative Production & Sales Society.—Aluminium. Rajahmundry.
 Balaji Venugopal & Co.—Brass. Rajahmundry.
 Bhagavan Ganesh Pal & Co.—Copper sheets. Camp Bazar, Cannanore.
 Chittury Thirapattaya Sons.—Brass. Kakinada.
 Mahalakshmi Metal Industries.—Brass. Rajahmundry.
 Metal Press Works Ltd.—Tin. Etukur Road, Guntur.
 Pental Kamulu & Bros. Aluminium. Rajahmundry.
 Swamy Foundry.—Brass. 26, Avadi Srinivasa Iyer Street, Madras.
 Vaka Appalaaswamy & Co.—Aluminium. Rajahmundry.

OILS (ESSENTIAL)

East Indian Sandal Oil Distilleries Ltd. Sandal oil. Kuppam, Chittoor Dist.
 Jains Eucalyptus Oil Factory.—Eucalyptus oil. Coonoor.
 Kangundhi Industrial Works Ltd.—Sandal oil. Kuppam, Chittoor Dist.
 Mettur Sandalwood Oil Co.—Sandal oil. Mettur Dam.
 Planters & Co.—Eucalyptus. Coonoor.
 South Indian Industrial Works.—Sandal oil. Kuppam, Chittoor Dist.

OILS (MINERAL)

Anglo-Iranian Oil Co.—Kerosene and petroleum. Esplanade, Madras.
 Harris Bros.—Petrol, kerosene and motor oil. Fort Road, Cannanore.
 Harvey Mill Employers' Co-operative Stores.—Kerosene. Vikramasingapuram.
 Konjeti Venkatappa Sons.—Kerosene. Ongole, Guntur.
 Ogeti Seshiah & Sons.—Kerosene oil. Tadipatri, Anantapur Dist.
 Rama Mohan Bros.—Kerosene. 1/11, Orma Road, Madras.
 Samy & Co. (V.M.).—H. O. C. products. Gummidipoondi.
 Seth Srinivasadas Hanuman Prasad.—Kerosene. Railway Approach Road, Vijayavada.
 Subba Rao (B) and Hariprasada Rao.—Kerosene. Chirala, Guntur.
 Wakefield & Co., Ltd. (C.C.).—Lubricants, oil and grease. 16, Second Line Beach, Madras.

OILS (VEGETABLE) AND OIL-CAKES

Abdul Rahim Osman & Co. (India).—Oil. 24, Anderson Street, Madras.
 Abdul Razack Sahib.—Gingelly oil and oil-cake. 55, Sydenhams Road, Madras.
 Asokan Oil Mills.—Oil and oil-cakes. 17/20, Devaraja Mudali Street, Triplicane.
 Assainar & Co.—Oil Mubarak Oil Mills, Badagara.
 Bhushanam Oil Mills.—Groundnut oil. Tadepalligudem.
 Bhimipatnam Trading Co.—Groundnut oil. Bheemulpattanam.
 Jayalakshmi Oil Mills.—Groundnut oil. Panruti, South Arcot Dist.
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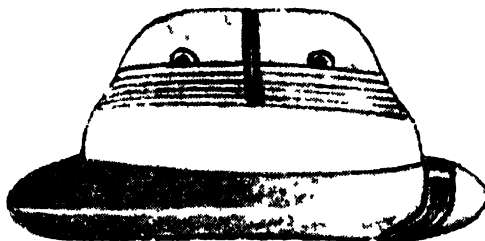
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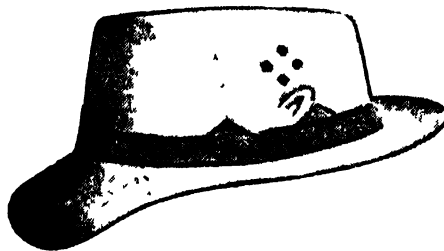
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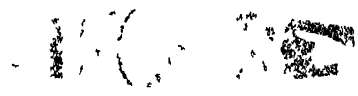
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 Bombay Malayan Trading Co.—Seeds. 38, Narayana Mudali Street, Madras
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 Chandajee Khubajee & Co. Groundnuts Lalpet, Guntur.
 East Asiatic Co.—Groundnuts. First Line Beach, Madras
 General Produce Dealers (Madras) Ltd.—Groundnut 2/29, Govindappa Nalck Street, Madras.
 Gill and Co.—Cotton seeds. Adoni, Bellary Dist.
 Malabar Produce Export Co.—Copra. Court Road Kozhikode

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 Davey & Sons (S.V.S.)—Optical goods. 4/20, Broadway, Madras.
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 Brilliant Trading Corporation—Paints. 4-A, Basin Bridge Road, Madras
 Gillanders Arbuthnot Co.—Yellow metal paints First Line Beach, Madras
 Indian Marketing & Distributing Co.—Paints etc. 9/10, Second Line Beach, Madras
 Madura Auto Stores Motor paints 14-A, North Veli Street, Madurai
 Punniyappa Nadar & Co. Paints 247, East Main Street, Madurai Dist.
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 Central Paper Mart Paper. East Main Street, Madurai Dist.
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 Indian Hume Pipe Co., Ltd—Pipes Moyar Camp, Madras.
 Madras Circle Pipe Dealers' Association Pipe and tubes 80, Sembudoss Street, Madras
 Water Specialists Pump. 23/24, Second Line Beach, Madras

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 Chordia Brothers Tyres and tubes. 36, General Muthiah Mudali Street, Madras.
 Dunlop Rubber Co (India) Ltd. Tyres, tubes, rubber goods, etc. 4/29, Mount Road, Madras.
 Firestone Tyre & Rubber Co. (India) Ltd. Tyres, tubes and rubber goods. 159, Mount Road, Madras.

Goodyear Tyre & Rubber Co. (India) Ltd.—Tyres, tubes and rubber goods, etc. 202, Mount Road, Madras.
 India Tyre & Rubber Co. (India) Ltd.—Tyres, tubes and rubber goods 150-B, Mount Road, Madras.
 Kanarich & Co. Manufactured rubber goods. 30, General Patters Road, Mount Road, Madras.
 Manco Rubber Works.—Rubber manufacturers. Lawley Road, Coimbatore.
 Mankchand Chordla Tyres 376, Mint Street, Madras.
 Periyannan Nadar & Co. Tyres and tubes. 13-A, North Vell Street, Madurai.

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 Mettur Sandalwood Oil Co. Sandalwood Mettur Dam
 South Indian Industrial Works Sandalwood Kuppam, Chittoor Dist.

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 Joshi & Co. Sanitary goods 24, Thambu Chetty Street, Madras.
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 Govindarajulu Chetty & Co. (M).—Art silk. 33, Mint Street, Madras.
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 Omersee Keshavji & Co. —Art silk. Channanore.
 Ponnuswamy & Co.—Art silk. 264, Mint Street, Madras.
 Ramulikal Nanalai & Bros.—Art silk. 16, Ekambareswarar Agharam, Madras.
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 Upendra Shenoi. —Pepper. Kankanaseri.
 Volkart Brothers —Pepper. Tellicherry.
 Vyasa Cardamom & Co. —Cardamom. Kombai, Madurai Dist.

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 Co-operative Stores. Stationery. Srikakulam.
 Divan Shop. Stationery (include paper, general articles, etc.) Bazaar Street, Salem.
 Gem & Co. Fountain pens and pencils 323/326, China Bazaar Road, Madras.
 Jalam Stores. Stationery. Tellicherry.
 Jaji & Sons. Fountain pens 46, Rattan Bazaar, Madras.
 John Dickenson & Co. Ltd. Stationery. Loane Square, Madras.
 Jothmull Jalchandlal. Stationery 411, Mint Street, Madras.

SUGAR

Co-operative Stores. Sugar. Polavaram.
 Dezan Sugar & Abkharia Co. —Dare House, Explanade, Madras.
 Dwarakadas Co. Sugar 5, Anderson Street, Georgetown, Madras.
 East India Distilleries & Sugar Factory. Sugar. Dare House, Explanade, Madras.
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 P.C.C. Society Ltd. Sugar. Elapully, Palghat Tk.
 Sura Bhadrish. Sugar. Cheerpupalli.
 Tanjore Revenue Official Co-operative Stores. Sugar. Tanjore Tk.
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 Visakhapatnam Sugars & Refinery Ltd. Sugar manufacture. Thummapada.

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 United Coffee Supply Co. —Tea. Race Course, Coimbatore.
 United Nilgiris Tea Estates.—Tea. Race Course, Coimbatore.
 Wylwood Plantations & Agency Ltd. —Tea. Coonoor.
 Waterfall Estate Ltd.—Tea. Oriental Buildings, Armenian Street, Madras.

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 Diocesan Co-operative Stores Ltd.—Cloth. No. 0-1107, Tirunelveli.
 Doss & Co. (G.R.).—Piecegoods. 87, Godown Street, Madras.
 D'Souza (A.R.).—Textiles. Market Road, Mangalore.
 East Coast Commercial Syndicate. Textiles. 90, Armenian Street, Madras.
 Geetha & Co.—Piecegoods. 63, Godown Street, Madras.
 Hajeemeesa Salt & Bros.—Cloth. 12, East Chitral Street, Madurai Dist.
 Hajee Mohammed Jeosab Salt & Co.—Cloth. 23, East Masi Street, Madurai Dist.
 Karkal Co-operative Stores.—Cloth. Karkal.
 Kavall Co-operative Stores.—Textiles. Kavall.

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 Calicut Tile Co.—Tiles. Cheruvannur, P.O. Feroke.
 Corporation Tile Works.—Tiles and ridges. Bolar, Mangalore.
 Hindustan Tile Works. Tiles. Cheruvannur, P.O. Feroke.
 Indian National Tile Works.—Tiles and ridges. Hoige Bazaar, Mangalore.
 Joshi Mayashanker & Co. Tiles and ridges. Bunder, Mangalore.
 Madura Co. Tiles and bricks. Beach Road, Kozhikode.
 Malabar Tile Works. Tiles. Cheruvannur, P.O. Feroke.
 Pomple Tile Works.—Tiles and ridges. Bolar, Mangalore.
 Prabhakara Tile Works.—Tiles and ridges. Coondapoor.

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 Moka Mallareddi & Co. Timber. Tonall Town, Guntur.
 Poverty Relief Service. Vegetable Market, Rajahmundry.
 Prabhakara Tile Works. Timber. Coondapoor.
 Standard Furniture Co.—Timber. Kallal, Kozhikode.
 Star Tile Works. Timber. Kallal, Kozhikode.
 Timber & Co. Timber. 59, Sydenhams Road, Madras.
 Timber Union. Timber. Ballapatam.
 Vashakkat Lumber. Timber. Pallikandy, Kozhikode.
 V. R. & Sons.—Timber. Town High School Road, Kumbakonam.
 West Coast Timbers. Timber. 168, Wall Tax Road, Madras.
 Wilson & Co., N.—Timber. Railway Terminus Road, Rayapuram, Madras.

TOBACCO

Abdul (A.M.).—Beedi leaves. Big Bazaar, Palghat Municipality.
 Abdul Khudus Sahib (P). Tobacco. 23/C, Anna Pillai Street, Madras.
 Abdulla (K.P.).—Beedi leaves. Big Bazaar, Palghat Municipality.
 Ahmed Hussain (S).—Tobacco beedi. Port, Salem.
 Karsandas Brothers. Beedi leaves. Kozhikode.
 Radha Chetty (R). Beedi leaves. 1, 17, Bunder Street, Madras.
 Shaik Rowther Sons Cigarettes. Big Bazaar, Palghat Municipality.
 Sripada Ramayya's Firm. Cigarettes. Kakinada.
 Ullal Vittappa Krishna Nayak.—Beedi leaves. Bunder, Mangalore.
 Vasudeva Bhutt.—Beedi leaves. Tellicherry.

TOILET ARTICLES AND PERFUMERY

Aryan Soap Manufacturing Co. Soaps. Rangiah Gownder Street, Coimbatore.
 Bharat Mills Ltd. Soap. Zamin Uthukuli.
 Ganga Works.—Soaps. Latice Bridge Road, Adyar, Madras.
 Godrej Soaps Ltd.—Toilet articles. 168, Broadway, Madras.
 Hira & Co. (P.H.).—Toilets. 69, Rattan Bazar, Madras.
 Jalhind Agencies.—Toilet soaps. 2/12, Bunder Street, Madras.
 James Perfumery Co.—Perfumery. 1/5, Whannels Road, Egmore, Madras.
 Joshi Brothers. Washing soaps. 310, Thambu Chetty Street, Madras.
 Victor & Co.—Vaseline. 10, Broadway, Madras.
 Vijaya Chemical & Toilet Works.—Toilet. 15, Clements Road, Madras.

TRAVEL AGENTS

Bharat Travel Service Ltd.—11/12, Second Line Beach, Madras.

TWINE MERCHANTS

R. KUPPUSAWMY CHETTY & SON.—17, Ramannan Road, Sowcarpet Post, G. T., Madras 1. Phone: 4329. Grams: "RAMAJANAKA". New & Old Gunny, Twine, Hessian & Tarpanlin Merchants.

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UMBRELLAS

Bava (P K) Umbrella Kozhikode
 Champalal & Co—Umbrellas 29, Tholasingam Street, Madras
 Dakshin Bharat Umbrella Mart Umbrella and spare parts,
 104, China Bazaar, Madras
 D'Souza (A R) Umbrellas Market Road, Mangalore
 Ebrahim Currim & Sons, Umbrellas Kozhikode.
 Mehta Brothers Umbrella and spare parts 2, Narayana Mudali
 Street, Madras.
 Modern Umbrella Manufacturing Co Umbrella and spare parts
 11, Nynlappa Nalck Street, Madras.
 Popular Umbrella Mart Umbrella. 250, China Bazaar Road,
 Madras.
 Roopchand & Co (S) Umbrellas 12, Elephant Gate Street,
 Madras
 Sujirkar Brothers—Umbrellas Market Road, Mangalore.

UTENSILS

Abdul Rahim Brothers—Crockery 13 Evening Bazaar, Madras
 Alrody Radhakrishna Pal Copper and brassware Udipi
 Alagappa Industrials Aluminiumwares 45-B, Tiruvottiyur
 High Road, Madras
 Mareddi Ankireddi & Co Brassware Tenali Town, Madras
 Sampson & Co Ever silverware 8 22, Broadway, Madras
 Sherfuddin & Co—Tea chests Big Bazaar, Palghat Municipality.
 Stoneware Pipes Ltd—Crockery Tiruvallur
 Victor R Velgas & Bros Copper and brassware. Market Road,
 Mangalore

VEGETABLES

Azeez Trading Co Onions 49, Chinnathambal Street, Madras.
 Blue Hills Tea Co Potatoes, Mettupalayam.
 Dasari Gangaram Onions Eluru
 Madras Potato Supply Co Potatoes 1, Uthandi Street, Madras.
 Marati Bikkaji Rao Nagoji Rao Onions Bangalore Road, Bellary.
 Marati Rangarao & Sons Onions Bangalore Road, Bellary
 Nilagiri Potato Growers' Syndicate Potatoes Mettupalayam
 Ramaswami Naidu & Sons Potatoes Ketti, Coonoor Taluk.
 Reddy & Co (T.M.) Onions 48, Malayaperumal Street, Madras.
 Thirumurthy & Co Paploca Park Road, Erode

E. P. B. Manian & Co.,

5/34, AVANASHI ROAD, COIMBATORE

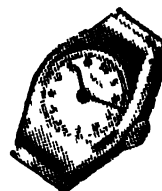
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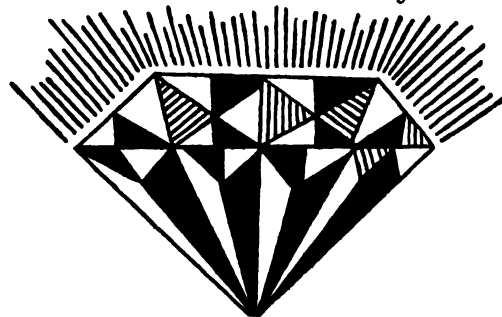
55, Rattan Bazar,
MADRAS, 3.

Branch :

190-B, Mount Road,
MADRAS, 2.

YARN

Central Agency—Silk thread 19, Vanier Street, Madras.
 Chellani & Co—Fibre 167, Cruz Fernandezpuram, Tuticorin.
 Friends Trading Co—Yarn Ongole, Guntur
 Kissenkoss Giridhirdoss & Sons.—Cotton yarn 159, Mint Street,
 Madras
 Kotak & Co—Staple fibre R S Puram
 Krishna & Co.—Fibre South Raja Street, Tuticorin.
 Krishna Mercantile Agency.—Cotton yarn 9, Gopalakrishna Road,
 T Nagar, Madras
 Mukkavalli Subbarao & Co—Fibre Kakinada.
 Nooney Venkata Swamy Sons—Yarn Cloth Bazaar, Guntur.
 Omersee Keshavji & Co.—Cotton yarn, Cannanore.

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ORISSA

Capital : Cuttack

Area : 60,136 sq. miles.

Total Population : 14,645,946 (Males 7,242,892 and Females 7,403,054).

The sex ratio has undergone a slight change in favour of males 48.71 per cent in 1941 to 49.45 in 1951. In the case of females it has decreased from 51.20 per cent in 1941 to 50.55 in 1951.

Average density of population : 244 per square mile

Cuttack 2,529,244; Balasore 1,106,012; Puri 1,572,262; Sambalpur 1,301,804; Ganjam 1,624,829; Koraput 1,269,534; Phulbani 456,895; Mayurbhanj 1,028,825; Dhenkanal 839,241; Keonjhar 588,441; Sundergarh 552,203; Bolangir 917,875; Kalahandi 858,781.

Age group : The people may be divided into the following important age groups :

Age group	Persons	Males	Females
Infants (0-1 year)	407,970	195,400	212,570
Young children (1-4 years)	1,441,200	706,240	734,960
Boys and girls (5-14 years)	3,569,800	1,824,940	1,744,860
Young men and women { (15-24 years) (25-34 years)	2,406,540 2,318,120	1,193,580 1,110,850	1,212,960 1,198,270
Middle aged persons { (35-44 years) (45-54 years)	1,878,250 1,311,490	952,670 664,750	925,580 646,740
Elderly persons { (55-64 years) (65 years and above)	766,560 546,010	363,540 221,920	403,020 324,090

Towns with a population of over 50,000 : Cuttack (Capital of the State) and Berhampur. **Birth and death rate** The birth rate in the year 1936, the year of creation of Orissa as a separate State, stood at 36.6 per mille which declined with some amount of fluctuations to 26.8 in 1950.

The death rate for the year 1936 was 27.8 and it declined to 20.5 in 1950.

Languages The principal language of the State is Oriya which is spoken by over 82 per cent of the population; Telugu in the two southern districts of the State; tribal languages, such as, Santali, Kondh, Kuli, Savara, etc., spoken in the backward areas of the State.

Statement showing the number of persons speaking different important languages in Orissa : Oriya (12,065,272); Telugu (342,523); Santali (333,979); Kondh (280,316); Kuli (206,509); Savara (191,401); Ho (181,508); Urdu (159,017); Paraja (146,938); Hindi (123,971); Bhumij (99,687); Bengali (86,083); Kisan (66,428); Kol (50,362); Munda (45,009); Koya (37,139); Gadaba (33,041); Oraon (32,191); Mundari (27,758); Gondi (22,157); Kharia (21,800).

Strength of the State Legislative Assembly: 140.

Number of members returned from State to the House of the People: 20.

Number of members returned from State to the Council of State: 9.

Administrative Divisions : The whole of the State is divided into 17 Districts. But some of the districts are tagged together for administrative convenience. Thus there are only 13 Administrative Districts. The following are the administrative districts with names of district headquarters :

Cuttack and Narsinghpur (Cuttack); Puri and Nayagarh (Puri); Dhenkanal and Angul (Dhenkanal); Boudh and Khondmals (Phulbani); Balasore (Balasore); Sambalpur (Sambalpur); Ganjam (Chatrapur); Koraput (Koraput); Mayurbhanj (Baripada); Sundergarh (Sundergarh); Bolangir (Bolangir-patna); Kalahandi (Bhawanipatna); Keonjhar (Keonjhar-garh).

The District Magistrates of Cuttack, Puri, Dhenkanal and Boudh are the Ex-Officio District Magistrates of the Districts tagged there-with namely Narsinghpur, Nayagarh, Angul and Khondmals.

Number of Tahsils : 58 Revenue Sub-Divisions consisting of a number of Tahsils and Thanas.

Number of District Boards : 6.

Number of Municipalities : 19.

Number of Notified Areas : 4.

Number of Panchayats : 654 (1952).

Number of villages : 60,984.

LARGE-SCALE INDUSTRY

Main large scale industries of State with important locations in brackets.

Textiles (Chowdwar-Cuttack); Cement (Rajgangpur-Sundergarh); Refrigerators (Chowdwar-Cuttack); Paper (Brajnagar-Sambalpur); Glass (Barang-Cuttack and Bahalda, P.O. Mayurbhanj); Sugar (Aska Ganjam and P.O. Rayaghadia, Dist. Koraput); Iron and Steel (Nayabazar-Cuttack and Parlakhemidi-Ganjam); Vegetable Products (Bhatrapur-Ganjam); Soap Works (Kharlar Road, Kalahandi); Potteries (Baripada); Salt and Chemical Industries (Orissa Bazar-Cuttack).

CHIEF INDUSTRIAL UNITS

The Orissa Textile Mills; The Orissa Cement Factory; The Kallaga Refrigerator Cor. Ltd.; The Orient Paper Mills; Durga Glass Factory; Aska Sugar Factory; Mayurbhanj Spinning and Weaving Mills; National Foundry and Rolling Mills; Orissa Industries Ltd.; Bharat Vegetable Products Ltd.; Steel Co-operation of Orissa Parlakhemidi, Dt. Koraput; Hair Soap Works; Mayurbhanj Potteries; Bharat Salt and Chemical Industries; Dawn and Co. (Biscuit factory); Daraghabazar, Cuttack; The Orient Paper Mills.

Production of individual industries (1952): Wheat flour 2,531 maunds; Rice Milling 23,24,712, maunds; Sugar 2,269 tons; Distillery 143,088 L.P.G.; Oil Crushing 51,137 maunds; Soap 3,709 maunds; Tanning 83,339 lb.; Cement 114,721 tons; Glass and glassware 3,541 tons; Ceramics 56 tons; Paper 27,691 tons; Weaving and dyeing 22,355 bales; Iron and Steel 1,085 tons; Bricks, Tiles and Lime 814,672 maunds; Saw Milling 31,876 C.F.T.; Wood ware 69 grossers; Printing 94,66,280 impressions; Narrow fabrics 33 tons; Hosiery 33,225 dozens; Dyeing and Bleaching 117,951 lb.; Electricity 25,17,106 K.W.H.; Unspecified Industries 2,047.

Number of registered factories in individual industries :

Wheat and flour Mills 1; Rice Mills 88; Sugar factories 1; Distillery 5; Oil Crushing 5; Soap 1; Tanning 2; Cement 1; Glass 1; Ceramics 1; Paper 1; Cotton Textiles 5; Iron and Steel 4; General Engineering 37; Loo 3; Saw Milling 40; Tobacco 74; Printing 18; Hosiery 3; Dyeing and Bleaching 3; Electricity 5; Automobiles 6; Railway Workshop 2; Arms and Ammunitions 1; Unspecified Industries 18.

Number of registered factories (upto June 1953) : 428.

Number of working factories : 296.

COTTAGE INDUSTRIES

Main cottage industries in State :

Handloom, Hides and Skins, Salt manufacturing, Horn works, Bell metal, Potteries, Filigree, Blacksmithy, Carpentry, Tailoring, Cane Works, Soap making, Trunk manufacturing and Paddy husking.

Location : Throughout the State except salt manufacturing which has been established in the coastal areas and filigree which is confined to Cuttack.

Budget grant for 1953-54 under the head Industries : Rs. 28,91,000.

MINERALS, METALS

Rich in mineral deposits. The potentialities fully exploited. Iron and manganese ore in large quantities and high grade chromite ore in limited quantities worked out. Limestone and coal come next. Other minerals like graphite, fire-clay, china-clay and kyanite worked in limited quantities.

Location : Iron ore—in Badampahar, Gorumahisani and Subalpat in Mayurbhanj, Thakurani, Katamati, Savabali, Murgahera and Karakhendra mines in Keonjhar.

Manganese ore in Thakurani, Bilkundi, Bamebari, Kalaparbati, Sayabali, Murgahera, Tirinkpahar, Siljora, Kaimati, Chormaida, Dalpahar, Haarmatu, Uluburu and Losarda in Keonjhar and in Kolra, Sarkunda, Dhutra, Malda, Gonna, Oraburi, Nadidih, etc. in Bonai.

Chrome ore—in Lotia, Boula and Nussahi in Keonjhar and Sukinda in Cuttack.

Coal—Talcher in Dhenkanal district and Ib and Rampur in the district of Sambalpur.

Graphite—in Dhandatopa and Bamura in Dhenkanal, Sargpall in Sambalpur, Chikribahal, Fapsi, Sagadghal, Charbahata, Jubamal, Luhakhan, etc. in Balangir, Muniguda in Koraput.

Quantity and value of each mineral cut out in 1952-53 : Iron (1,663,821 tons, Rs. 1,11,94,004); Manganese (323,305 tons, Rs. 1,67,40,676); Chromite (27,388 tons, Rs. 12,30,770); Graphite (718 tons, Rs. 87,616); Fire-clay (18,584 tons, Rs. 1,84,678); Coal (455,500 tons, Rs. 72,16,039); Kyanite (1,012 tons, Rs. 27,435); Limestone (1,182,738 tons, Rs. 60,00,916); Dolomite (8,234 tons, Rs. 8,88,014); China-clay (3,722 tons, Rs. 1,24,778).

Total number of men employed in mines : Average number of workers employed daily in the mines : 31,884.

Average number of workers employed daily in each mineral industry : Iron ore (8,292); Coal (6,287); Other (17,306).

AGRICULTURE

Main food crops of the State : Rice, wheat, ragi, maize and pulses.

Main cash crops : Jute, sugarcane, tobacco and oil seeds and cotton.

Total production of food crops in tons : 2,522,080.

Production of individual food crops : Rice 2,226,788 tons; Ragi 29,026 tons; Maize 9,253 tons; Wheat 2,766 tons.

Production of individual cash crops : Jute 255,696 bales; Sugarcane 97,692 tons; Tobacco 1,380 tons; Oil seeds 79,514 tons; Cotton 2,276 bales.

Total area of State in acres : 35,229,166.

Total area cultivated : 11,920,066 acres.

Total area of uncultivable land : 23,309,100 acres. (Including jungles and fallow)

Total area cultivated twice : 3,328,750 acres.

Total area under food crops : 10,806,300 acres.

Total area under cash crops : 891,371.2 acres.

Area under individual food crops : Rice 9,591,000 acres, Jowar 17,000 acres, Millet 18,541 acres; Maize 60,700 acres, Ragl 166,600 acres; Wheat 11,500 acres; Barley 1,000 acres, Gram 62,600 acres.

Area under individual cash crops : Sugarcane 61,200 acres, Tobacco 10,000 acres, Sesamum 273,000 acres, Groundnut 63,200 acres; Mustard 122,500 acres, Linseed 51,000 acres, Castor 42,400 acres, Cotton 26,200 acres; Jute 116,271.2 acres.

Area possibly available for further cultivation through reclamation measures : 6,141,474 acres.

Total area of plantations : 19 acres.

Number of plantations : 5.

Produce from plantations : 718 lb

Total area under fruit (including vegetable and root crop) : 488,073 acres.

Kinds of fruits : Mangoes, Banana, Papaya, Orange, Guava, Coconuts.

Kinds of vegetables : Potatoes, Sweet Potatoes, Cabbages, Cauliflowers, Radish, Brinjals, Tomatoes, Cucurbits, Bhendi, Arum, Yams, Gourdi.

Livestock : Total number of Cattle : 7,888,518, Buffaloes 893,464, Horses 6,139, Sheep 681,365, Goats 1,446,705, Mules 508, Donkeys 768, Camels 503, Pigs 108,573; Fowls : 3,677,981, Ducks : 61,117.

Variety of fish produced : Bhekti, Kabla, Hilsa, Borang, Sahal, Khuranli, Kantla, Ghungari, Surga, Patna, Singoh, Misc.

Quantity of each variety produced in 1952 : Bhekti 4,527 mds, Kabla 9,918 mds, Hilsa 1,839 mds, Borang 4,802 mds, Sahal 1,954 mds, Khuranli 3,177 mds, Kantla 3,238 mds, Ghungari 11,137 mds, Surga 604 mds, Patna 4,290 mds, Misc 25,151 mds (1951).

FORESTS

Total forest area of the State : About 24,000 square miles (This includes the Zamindari and private forests not under the management of the Department)

The forests occur in all the thirteen districts of the State, but their distribution is rather poor in the coastal districts, e.g., Puri, Cuttack and Balasore.

Total area of Private and Zamindari forest : About 7,000 square miles.

Main types of forests : Tropical semi-evergreen forest; Tropical moist deciduous forests (Sal Forest and mixed forest); Tropical dry deciduous forest (Sal forest and mixed forest); Tidal forest (in the coastal area of Cuttack District).

Sal is the most important species of the State.

Total revenue from the forest for the year 1952-53 : Rs. 88,77,876.

Total expenditure for 1952-53 : Rs. 37,97,610.

Main forest produce, quantity of each variety and value of each variety in 1951-52 : Timber (9,848,000 cft.; Rs. 34,92,300); Firewood (6,912,000 cft.; Rs. 11,31,791); Bamboos (45,478,577 nos.; Rs. 8,09,092); Kendu leaves (469,204 mds.; Rs. 16,81,610); Silk Cocoons (1,301,742 mds.; Rs. 3,471); Myrabolans (5,911 mds.; Rs. 10,997); Mahua flowers (6,026 mds.; Rs. 6,074); Khair (3,245 mds.; Rs. 94,200); Lac (4,450 mds.; Rs. 44,009); Grazing and fodder grass (Rs. 87,545); Sahal Grass (139,715 mds.; Rs. 1,24,902).

Afforestation : During 1952-53, 110 acres were planted with Casuarina in Balukhand and Konark in Puri District at a cost of Rs. 15,500.

Besides, a sum of Rs. 2,41,203 was spent in afforestation in the different parts of the State.

LAND RECLAMATION

Reclaimed land : 233,010 acres.

Area developed : 3,406 acres.

Number of tractors available : 35

Number of refugee families resettled : 2,300 (up to July 1952)

Basis of settlement : Individual (Family)

Financial and other help given to colonizers : The State Government spent a sum of Rs. 1,25,149 for the resettlement of refugee families

Number of houses constructed : 679.

Number of masonry (tube-wells) for irrigation and drinking water.

Tube-wells were sunk during the years 1952-53. These tube-wells serve both irrigation and drinking purposes.

Budget allotment for land reclamation for the year : Rs. 1,39,388 for the Land Reclamation Scheme through Government Agency.

TRANSPORT

Total mileage of roads : 12,742

Mileage of metalled roads : 2,003

Mileage of unmetalled roads : 1,233

Total mileage of railways in the State : 873

Total mileage of water-ways : All the canals and some of the rivers are also navigable

Number of aerodromes : 2 (Bhubaneswar and Jharsuguda).

Number of passenger service buses : 802.

Number of goods-carrying trucks, lorries : 2,398

Number of Taxis : 46.

Number of private cars : 2,311

Number of post offices : 1,219.

Number of telegraph offices : 918

Number of telephone exchanges : 7.

Number of Broadcasting Stations : 1

Number of receiving licenses : 5,972

Transport has been nationalised in the State

Name of Transport Authority : The Regional Transport Authority, Orissa.

State Transport

Operates passenger transport service only in the districts of Sambalpur, Sundargarh, Bolangir, Kalahandi, Keonjhar and a part of Bhenkanal and Cuttack Districts.

Capital invested : Rs. 19,92,400 (1952-53) Progressive (subject to audit).

Number of routes covered : 31.

Number of passenger vehicles owned : 91.

Number of goods vehicles : 2 (used as petrol carrier).

Total number of passengers carried : 1,680,874.

Total amount of goods carried : 175,800 mds (personal effects of passengers).

Total expenses of authority ..	Rs. 23,20,000	} Subject to audit.
Total revenue ..	26,60,000	
Profit ..	3,40,000	

Rise in number of men employed after nationalisation : From 473 in 1951 to 478 in 1952-53.

Extra amenities provided for passengers : Comfortable seats in buses and light, water and rest houses at some important halting stations.

The pre-nationalisation fare was 1 anna per mile.

Rate after nationalisation :

Sambalpur zone : 11 ples for upper class and 8 ples for lower class per mile.

Sundargarh Zone : 1 anna for upper class and 9 ples for lower class per mile.

Keonjhar Zone : 1 anna for upper class and 8 ples for lower class per mile.

Orissa Road Transport Company Ltd.

Operates passenger transport service only in the Districts of Ganjam, Phulbani and in parts of Puri and Cuttack Districts.

Capital invested : Rs. 21,16,375 (1952-53).

Total mileage covered : 1,617,561 miles (1952-53).

Number of routes covered : 37.

Number of passenger vehicles : 71.

Number of suburban bus service : 2 (Cuttack-Bhubaneswar).

Total number of passengers carried : 1,555,565.

Total expenses of authority : Rs. 15,78,659.

Total revenue : Rs. 15,82,171.

Profit : Rs. 3,612.

Extra amenities provided for passengers : Comfortable seats in buses and light, water and rest houses at some important halting stations

CO-OPERATION

Total number of Co-operative Societies (Registered) : 5,892 including Banks

Total membership of Co-operative Societies : 319,765

Total working capital : Rs. 466 16 lakhs

Types of Co-operative Societies and number of each type : Orissa Provincial Co-operative Marketing Society : 1, Orissa State Co-operative Union : 1, Agricultural Credit Co-operative Societies : 1,325, Agriculture Non-Credit Co-operative Societies : 80; Non-Agricultural Credit Co-operative Societies : 204, Non-Agricultural Non-Credit Co-operative Societies : 807 (including all Orissa Distributors Co-operative Union and the Ganjam District Fishery Co-operative Union); Provincial Co-operative Land Mortgage Bank : 1.

Number of Central and District Co-operative Banks : 23.

The Orissa State Co-operative Bank : 1.

Working Capital : Rs. 55,83,066.

DEPOSITS :

Paid-up Share Capital : Rs. 4,99,720.

Reserve and other funds : Rs. 1,66,669

Dividend for the year : Rs. 1,02,808 (Net Profit)

Budget allotment for the Department for the year 1953-54 : Rs. 9,70,596.

Revised Budget (1952-53) : Rs. 9,44,566

Actuals for the year (1952-53) : Rs. 7,96,346.

STATE HELP FOR AGRICULTURE

Manures distributed under State auspices and their quantity : Compost : 11,01,544 tons, Oil-cakes : 295 tons; Fertilizers : 435 tons.

Quantity of improved seeds distributed : Paddy : 1,340 tons; Wheat : 9 tons; Maize : 1 ton; Groundnut : 7 tons; Gram : 20 tons; Pulses : 192 tons; Potato : 15 tons.

Agricultural implements distributed or loaned : 32 tractors and 53 pumps were loaned to cultivators during 1952-53.

Number of agricultural experiment farms : 46.

Monetary help given by Government to cultivators : Rs. 1,25,149.

Under G.M.F. programme no cash loan was issued. Seeds worth Rs. 75,289 were loaned out, Rs. 1,15,470 were spent in making pay-

ment of premium, meeting the transit charges, etc., in distributing different kinds of seeds, fertilizers and grown nurseries and were ultimately treated as subsidy.

Plant protection organisation and its operation 10 farms 50 379 acres.

Rise in production of different crops owing to Grow More Food 16,676 tons.

Highest yield per acre of different crops for which prizes were offered in competitions. Paddy (133 mds 30 srs), Mung (26 mds), Potato (339 mds 18 srs), Mustard (6 mds), Wheat (29 mds 74 srs).

Number of Cows 32,628, Buffaloes 406,384.

Number of Veterinary Experimental Stations: One

Number of Veterinary Hospitals 79.

Number of Veterinary Staff 440.

PUBLIC HEALTH

Commonest diseases in State and mortality from each of these in 1951. Cholera (4,192), Small-pox (6,527), Fevers (including Malaria) (80,614).

Number of allopathic hospitals 147.

Number of allopathic dispensaries 230.

Total number of beds in allopathic hospitals 3,228.

Number of Ayurvedic and Unani Hospitals and dispensaries. Ayurvedic Hospitals 2; Ayurvedic Dispensaries 84, Unani dispensary 1.

Number and type of special hospitals (T.B., Cancer etc.): 1 (T.B. Hospital at Uditanarayanpur, Bhawanipatna).

Total number of allopathic doctors (a) 442 (Government employees including staff attached to S.C.B. Medical College, Cuttack), (b) 1,132 (allopathic doctors so far registered in the State). Number of Ayurvedic practitioners 59 (Government).

Number of out-door patients (allopathic) 43,45,221 (for 1951).

Number of in-door patients treated in Hospitals (allopathic) 87,748 (for 1951).

Number of Government Hospitals: Allopathic 117; Ayurvedic 2.

Number of Medical Colleges: Allopathic 1 (S.C.B. Medical College, Cuttack), Ayurvedic 1 (Gopabandhu Ayurveda Vidyalaya, Puri).

Total number of students Allopathic 242, Ayurvedic 129.

Strength of staff (e.g., Health Officers and Health Inspectors, etc.) on the preventive side of the Department 990.

Budget allotment for 1953-54. Medical Department Rs 60,97,588. Public Health Department Rs 29,79,075.

EDUCATION

Types of Schools	Primary Schools	Middle Schools	High Schools
Number of Schools	10,444	559	200
Total enrolment	4,90,035	49,274	56,106
Number of teachers	17,260	2,738	2,561
Total expenditure	65,02,733	25,37,252	38,56,620
Contribution by State Govt.	53,52,017	12,20,706	15,51,420
By local authority	3,56,980	44,028	2,09,161
By private agencies	7,59,663	5,28,065	4,79,021
Fees	6,623	7,03,297	15,80,849
Contribution by Centre	27,444	41,146	..

Number of Arts and Science Colleges: 14.

Arts, Science and Commerce (combined): 9; Arts 4; Science: 1.

Total number of women's colleges: 1.

Total enrolment: 5,349 (Boys 4,986; Girls 363).

Total number of professors, lecturers, etc.: 298.

Total expenditure for the year on higher education: Rs 20,08,102.

Contribution by State Government: Rs 15,15,450.

By private agencies: Rs 25,673.

Fees: Rs 5,56,979.

Total number of professional colleges (veterinary, agricultural, etc.): 3 (Law 1, Medical 1, Training College 1).

Total enrolment 826.

Total number of professors, lecturers, etc 75.

Total expenditure on professional education: Rs 5,55,370.

Contribution by State Government: Rs 5,03,760.

Total number of teachers' training institutions 28.

Number of training institutions which confer degree 1.

Total number of teachers' or staff of training institutions 9.

Total number of students at degree institutions 95.

Total expenditure on teachers training: Rs 5,86,749.

Contribution by State Government: Rs 5,79,030.

By private agencies: Rs 7,635.

Fees: Rs 84.

Note. Besides the above, there are three colleges for special education, out of which, two are managed by Government and one is aided.

Total number of students 238.

Contribution by State Government: Rs 73,011.

Number of teachers 29.

Number of commercial technical institutes 29.

Government managed: 23.

Aided: 6.

Total enrolment: 1,116 (Industry 410; Commerce 37, Arts and Crafts 669).

Total number of instructors 127.

Total expenditure: Rs 7,36,481.

Contribution by State: Rs 6,59,785.

By local authority: Rs 12,801.

Fees: Rs 63,895.

Research Institutes and other notable institutions: Research facilities have been provided under the Utkal University in Literature, History, Economics and Science. Besides, there is a Research Department in S.C.B. Medical College for Filariasis. In 1950-51 the State Government incurred an expenditure of Rs 18,847.

Research and Museum section, Bhubaneswar.

Number of schools for deaf and dumb: 1.

Enrolment: 12.

Number of teachers: 1.

Establishment institutions devoted to social education: 501.

Number of teachers available: 204.

Number of adults socially educated in a year: 16,751.

Total number of adults educated since movement was started: 60,000.

Total expenditure: Rs 6,20,000.

Contribution from private charity: Rs 6,29,000. Literacy in State: 15.7 per cent.

An estimate of total number of adults in the age group 14-15 to be socially educated: 72,00,000.

Number of colleges owned by State Government: 9.

Aided Colleges: 5.

Number of teacher training institutions owned by State Government: 28.

By Local authority: 24.

By private agencies: 4.

Number of technical institutes owned by State Government: 23.

By private agencies: 5.

Number of Sanskrit Pathashalas: 30.

Number of European and Anglo-Indian schools: 3.

Number of nursery schools (Balasramas): 4.

Names of educational or research institutions in State to which the Central Government makes a grant and the amount of grant given in brackets. Ravenshaw College (3 Junior Research Scholarships in Chemistry at Rs 100).

The grant given by the Central Government in 1952 for education of backward classes: Rs 30,00,000.

Grant given by the Central Government for expansion of education schemes: Rs 78,300 (52.53). (For the purpose of constructing a building for Post-graduate Department in Geology and purchase of apparatus in Ravenshaw College, Cuttack).

Elementary education is not compulsory throughout the State.

Areas where education is free and compulsory: Banki and Parlakmed.

Names of the places where compulsion is enforced: Banki Union Board (24 villages) and Parlakmed Municipality areas.

Age of compulsion: 5 to 11.

Total number of children of the age group 6-14 in the State: 28,26,667.

Number of years required for making primary education free and compulsory for all students of the age group 6-14: 10 years.

Social Education

Social education is imparted through audio-visual aids and literature. Adult education is imparted through charts and primers.

Curriculum of social education: Health and Hygiene, Family and social life, Vocation, Literacy and Cultural activities, and Recreational activities.

Duration of course: 3 months (Literacy); 3 months (Post literacy).

The adults are educated in daily night classes. Certificates are awarded at the end of the course. This education is imparted mainly through primary school teachers. In order to retain literacy among adults library service is taken recourse to.

The scheme began in 1949 and so far only about 60 thousand illiterate adults have been made literate but the total number of adult illiterates within the age group 14-45 is 72 lakhs. If 3 lakhs are made literate every year it will take at least 24 years to reach the target but as it appears from the trend of increase of population, the target may go up as well.

Wardha Basic Education scheme: is making steady progress in Orissa.

Number of Basic schools both Junior and Senior in the year 1952-53: 227.

Number of students: 14,146.

Number of teachers: 560.

Number of Basic training schools : 6.

Teaching of regional language is compulsory till degree stage excepting for students in classes for degrees in Science and Commerce. At degree stage students for B.Sc. and B.Com degrees do not take any language. Teaching of Hindi is compulsory from class VI to class IX. Teaching of English is compulsory from class VI to Intermediate classes. At the degree stage only students for degree in Arts subject learn English on a compulsory basis. English is the medium of instruction at College stage and there is no scheme at present to replace English as medium of instructions by Hindi or regional language.

Public examinations which a student has to take during his school career: Matriculation Examination

Name of body controlling such examinations : Utkal University

Number of students who appeared : 8,482

Number of students who passed : 3,558

Percentage of failure : 58

Plans for educational reconstruction or expansion (Primary and Secondary Education)

A bill for the formation of a Board of Secondary Education has been enacted. A Planning Committee for the reorganisation of secondary education in the State has been set up. For introduction of free and compulsory primary education, five places, Baripada, Sundergarh, Angul, Athgarh and the Police Station of Athmalik have been selected on an experimental basis. The operation of the scheme commenced from 1st December 1953. Full attention is being given for implementation of individual schemes under the Five Year Plan in respect of the State of Orissa.

UTKAL UNIVERSITY

Cuttack 3

Vice-Chancellor, Lt-Col. Dr. P. Misra, M.Sc., Ph.D. (Leeds)

Registrar, G. C. Rath, M.A., Dip-In-L.Sc.

Affiliating-cum-Teaching University

Subjects for Post-graduate teaching and Research: Orissa, English, Economics, History, Mathematics, Physics, Chemistry and Botany. Number of colleges affiliated to the University : 16.

Number of teaching departments under its control : 2

Annual income : Rs. 7,30,505-7-5

Annual expenditure : Rs. 7,14,504-15-0

Grant from State Government : Rs. 21,974, besides a block grant of Rs. 1,20,574.

LIST OF COLLEGES

Bhadrak College, Bhadrak (Balasore).

Christ College, Cuttack

Fakir Mohan College, Balasore.

Gangadhar Mehar College, Sambalpur.

Khalikote College, Berhampur (Ganjam)

Maharaja Purna Chandra College, Baripada (Mayurbhanj).

Narsing Chaudhury College, Jampur (Cuttack)

Radhanath Training College, Cuttack.

Rajendra College, Bolangir.

Ravenshaw College, Cuttack.

Saibabala Women's College, Cuttack.

Samanta Chandra Sekhar College, Puri.

Sri K.C.D. College, Parlakimedi (Ganjam).

Sri S.C.B. Medical College, Cuttack.

Stewart Science College, Cuttack.

Vikram Dev College, Jeypore (Koraput).

Plans for educational reconstruction or expansion of university education. At the instance of the Government of India, Ministry of Education, the Utkal University has submitted plans and estimates for the development of Post-graduate teaching and for research in a number of subjects and the requirements including cost of buildings are estimated at about Rs. 18,00,000.

The following projects are under consideration of the Government of India: University building, University library, up-grading in the departments of Geology, Chemistry, Physics, Botany, Zoology, Anthropology, Mathematics, Medicine, English, Orissa, Economics, History, Orissan Art and Sculpture, Compilation of the History of Orissa and Psychology.

During the year 1953 the following grants have been received from the Government of India for research training facilities in the departments of Chemistry, Botany, Mathematics and Zoology: Ravenshaw College, Cuttack, Chemistry (Rs. 30,000), Botany (Rs. 20,000), Zoology (Rs. 20,000), Mathematics (Rs. 5,000).

LABOUR

Average daily number of workers in registered factories : 18,088

Names of industries in which minimum wage is fixed: Rice Mill, Flour Mill and Dal Mill, Tobacco industry, Road construction, building operations and stone breaking or stone crushing, Public Transport.

Average monthly earnings of industrial workers in 1953 : Rs. 51-12-0

Average monthly earnings of workers in each of the more important industries: Paper Rs. 102-5-0, Glass Rs. 49-5-0, Cement Rs. 47-2-0, Textiles Rs. 75-4-0, Vegetable Oil Rs. 33-14-0, Hydro-generated Rice Rs. 27-11-0, Bidi Rs. 23-11-0, Motor Transport Rs. 64-13-0, Metal Products Rs. 73-9-0.

Total number of Trade disputes : 16.

Total number of strikes : 5.

Total number of workers affected : 671

Names of important State laws affecting trade disputes: Industrial Disputes Act, 1947; Industrial employment of (Standing orders) Act, 1946.

Number of Trade Unions in the State : 70

Total membership of trade unions : 31,929 (figures relate to 48 unions. The rest have not furnished their annual returns). The approximate number for the 70 unions may be taken as 45,000.

Number of Labour Welfare Centres : 4

Strength of Labour Welfare staff : 7

Number of houses built through Industrial Housing Scheme : 196.

Units of single living room quarters were constructed during the year 1952-53.

Under the Industrial Housing Scheme, houses worth Rs. 8,70,000 were constructed in 1951.

HOUSING AUTHORITY

Housing authority : Housing Board

During the year 1952-53 a sum of Rs. 5 lakhs was loaned out to Orissa Textile Mills Ltd., Choudwar for construction of houses for labourers employed by the concern.

Source from which finance is drawn : Government of India through the State Government.

Different classes of houses built and number of each class in urban area and rural area : 196 units of single living room quarters were built by Messrs. Orissa Textile Mills Ltd. at Choudwar.

Cost of building house of each class. Total cost Rs. 7,54,051 (per unit Rs. 3,847-3-0).

Rent charged for each of the classes. Rent is chargeable at 2 per cent of the capital cost, subject to the limit of 10 per cent of the wages.

Housing plans for the future. A sum of Rs. 75 lakhs will be required for construction of houses at various centres in the State to be organised under the direct control of the State in industrial areas where a number of small industries exist and where individual industrialists cannot afford to provide houses for their labour.

There are no local authorities in the State as the District Boards and Municipalities have been taken over by the State Government.

POWER PROJECTS

Total capacity of Power Stations installed in the State : 8,227 K.W.

Total Effective Capacity : 8,127 K.W.

Total Production during the year 1952-53 in K.W.H.R.S. (units) : 8,552 millions (approximately from C.W.P.C. accounts)

Number of units supplied to Industry : 1,47 millions.

Number of units supplied for domestic purposes : 2,505 millions.

Number of units supplied for Miscellaneous : 2,103 millions.

Total Units sold : 6,078 millions (from C.W.P.C. accounts).

Names of Power Stations now in operation and their installed capacity :

(A) Diesel Stations. Balangir 214 K.W.; Balasore (Licensee) 370 K.W.; Baripada 345 K.W.; Berhampur (Licensee) 961 K.W.; Bhanuipatna 165 K.W.; Bhubaneswar 350 K.W.; Cuttack (Licensee) 877 K.W.; Deogarh 75 K.W.; Dhenkanal 34 K.W.; Jeypore 95 K.W.; Jharsuguda (Licensee) 226 K.W.; Keonjhar 83 K.W.; Nayagarh 46 K.W.; Puri (Licensee) 427 K.W.; Sonepur 17 K.W.; Sundergarh 142 K.W.; Talcher 50 K.W.

(B) Steam Stations.

Cuttack Thermal Scheme (Not available); Choudwar Thermal Station, Choudwar, 3,000 K.W.; Jobra Thermal Station, Cuttack, 750 K.W.

Total installed capacity : 8,227.

In addition to the 17 towns above, the following towns are served with electric supply: Chatrapur, Gopalpur, Bhubaneswar (Old Town) and Sambalpur.

Chief Hydro-Electric Schemes under execution in the State.

Machkund Hydro-Electric Scheme (Koraput) and Hirakud Hydro-Electric Scheme (Sambalpur).

Machkund Scheme

This is a joint scheme for Orissa and Andhra Governments and is located in Koraput District for harnessing Hydro-Electric Power from the Machkund river. Work on this scheme was started in 1946 and power with the first stage of execution of the scheme was expected to be available by about the middle of 1955 when one set of 17,250 K.W. was expected to come into operation and shortly afterwards two further sets of 17,250 K.W. each. The ultimate capacity of Machkund Power House will be 103,500 K.W.

The cost of the scheme (for Dam and Power Station but excluding Transmission line costs) is Rs. 813-56 lakhs initially, rising to 987 lakhs in ten years, the costs and power generated by

the scheme to be shared initially by Andhra and Orissa Governments in the ratio of 70 : 30 ; Orissa having the option to have its full share of 50 per cent power output at the end of 99 years.

This scheme will serve Koraput and Ganjam districts.

The following towns will be served from this : Jeypore, Koraput, Nowrangpur, Borikumma, Kotpad, Rayagada, Gunupur, Parlakimedi, Berhampur, Chatrapur, Rambha, Aska and Gopalpur.

In addition to the various medium size industries now existing like the Sugar Factory at Rayagada, Bharat Vegetable Products at Chatrapur, etc., it is expected to serve a fairly large ferro-manganese plant at Rayagada and also certain chemical industries in Ganjam district in the near future.

Hirakud Scheme

This project was started in 1946 and is located at Hirakud near Sambalpur and a dam will be constructed here to utilise the waters of the Mahanadi River for irrigation, production of power and also to control the floods in the river.

It is the first of three dams proposed to control and harness the mighty river Mahanadi for the development of the entire region.

The first stage of execution of the project is expected to be completed by 1958 when 2 sets of 24,000 K.W. each and 2 sets of 37,500 K.W. each, are expected to come into operation with an installed capacity of 123 M.W. and 85.3 M.W. of Firm Power.

The Power House at the dam when completed could generate about 73 M.W. of power at 100 per cent load factor even in a bad year.

In addition, the water passing through the turbines in the power house at the dam will be used in a power house lower down where an additional 50,000 K.W. of power is expected to be generated. The water will then be discharged into the river and will be picked up by a weir at Naraj to be utilised for irrigation in the Delta.

The power from the Hirakud Scheme will be utilised in the following districts, northern portion of the State, namely : Sambalpur, Sundargarh, Keonjhar, Mayurbhanj, Dhenkanal, Cuttack, Puri, Bolangir and Kalahandi.

In addition to a large number of medium-sized industries like textile mills, collieries, paper mills, rolling mills, etc. the scheme is expected to serve 3 major industries, viz. aluminium, ferro-manganese and steel.

It will also be utilised for giving power not only to the various towns but also to rural areas for which purpose a large system of 33 and 11 K.V. lines are being constructed ; and power will be utilised not only for domestic lighting but for small industries and for pumping of water for irrigation.

Choudwar Thermal Station

The installed capacity in the Steam Station at Choudwar is being increased to 5,000 by installing one 2,000 K.w. set. For utilising the power from this station lines are being constructed to Puri, Dhenkanal, Kendrapara and Jagatsingpur and it is expected that a large number of villages as well as small towns will be supplied from this station. The present capacity of this Station at present including the 2,000 K.w. set now under erection, is 5,000 K.w. and it is possible that a further set of 2,000 K.w. capacity will be installed here.

Power projects planned but not executed : A further 2,000 K.w. set at Choudwar ; The Lower Power House at Hirakud with an installed capacity of approximately 50,000 K.w.

IRRIGATION

Total area irrigated : 1,925,780 acres.

Area irrigated by Government Irrigation works : 17,000 acres by Canal System.

The main irrigation works of the State are the Canal systems, as below :—(1) The Mahanadi River System (North Orissa Canals) ; (2) The Baitarani River System (North Orissa Canals) ; (3) The Ruskulya River System augmented by Rusukunda and Suruda reservoirs (Ganjam Canal System).

Irrigation projects in execution : 951 Irrigation projects under execution, undertaken by Government.

CIVIL SUPPLIES

Names of rationed articles, quantum of each per adult per week in ounces.

There is no statutory rationing in Orissa so far as rice is concerned. Rice from Government procured stock is supplied in urban, deficit and distressed rural areas to needy consumers. As per Government of India's instruction the quantum per adult per week is 84 oz. and for heavy manual workers 112 oz.

Cloth : 10 yd. per adult per year.

Yarn : Equitable distribution according to availability.

Monthly requirement of State according to quota : Rice, 2,500 tons (average) ; Wheat, According to the deficit declared for 1952-1953 the average monthly quota comes to 833 tons. Cloth : 5,000 bales ; Yarn : 8,760 bales ; Coal : 6,480 tons ; Salt : 2,20,000 mds. ; Kerosene : 75,000 tons ; Sugar : 1,300 tons.

Degree of control in the State :

Rice & Paddy :—Movement of Foodgrains (Rice & Paddy) to places outside the State has been restricted. Producers' prices of rice/paddy have also been statutorily fixed. Besides, procurement of rice/paddy in Orissa is a State monopoly.

Wheat :—Is imported on Government account and released to the consumers through approved wholesalers and retailers. Degree of control is as indicated in the Orissa Foodgrains Control Order, 1951.

Cloth :—Full control over certain varieties and partial control over certain other varieties.

Yarn :—Full control over price and distribution.

Coal :—Control over distribution and price only.

Controlled articles : Rice, paddy, sugar, wheat, cloth, yarn and coal. The Government have fixed the prices of these articles.

Articles in which the State is surplus and the actual surplus :

Rice :—1,67,000 tons declared surplus for 1952-1953 Kharif year.

Articles in which State is deficit and the actual deficit :

Sugar : 1,300 tons ; Wheat : 10,000 tons during 1952-53 ; Cloth : 48,000 bales ; Yarn : 36,000 bales ; Kerosene : 900,000 tons ; Coal : 77,760 tons ; Salt : 10,00,000 mds.

Import quotas of these articles :

Wheat : During the year 1952-1953 7,700 tons of wheat and flour were allotted by Government of India.

Cloth : 7,200 bales exclusive of free sale cloth.

Yarn : 23,000 bales, price varying from Rs. 10-1-0 to Rs. 24-10-0 per bundle of 10 lb. according to counts.

Amount of rice procured during the year :

Rice :—310,200 tons procured in 1952-1953 Kharif year.

Procurement of millets not undertaken.

System of procurement :

The State Government have been following a system of monopoly procurement in regard to rice and paddy. According to this system Purchasing Agents have been appointed in each of the districts in the State to procure rice/paddy for export and to feed deficit and distressed areas. The system adopted was purely a voluntary one.

Towns in which there is rationing and their population : Cuttack, (102,505) ; Kendrapara, (1,787) ; Baripada, (20,711) ; Puri, (49,057) ; Khurda, (8,500) ; Jatni, (14,949) ; Bhubaneswar, (17,000) ; Phulbani, Boudh, Udayagiri and Balliguda, (50,000) ; Berhampur (62,343) ; Balangir, (900) ; Jeypur, (20,352) ; Gunupur, (9,492) ; Rayagada, (8,136) ; Sambalpur, (23,525) ; Jharsuguda, (13,823) ; Bargarh, (8,991) ; Dhenkanal, (23,750) ; Balasore, (22,851).

Total rationed population : about 500,000.

TRADE

Articles exported 2,62,300 tons of rice in 1952-1953 Kharif year.

Articles Imported and quantity of each : Wheat 6,740 tons, Flour 980 tons, Cloth 7,200 bales, Yarn 2300 bales, Coal 21,674 tons, Kerosene 7,94,504 tins, Salt & Drugs and Yarn Rs. 1,52,38,50.

ADMINISTRATIVE PERSONNEL

GOVERNOR

P. S. Kumaraswami Raja.

PERSONAL STAFF

Secretary to Governor, S. C. Palit, I.A.S.

Assistant Secretary to Governor, P. N. Samaditar.

Aide-de-camp, S. Senapati, O.V.

COUNCIL OF MINISTERS

Chief Minister in charge of Cabinet, Home, Works, River Valley Development, Relief and Rehabilitation and Public Relations, Nabakrushna Choudhuri ; Finance and Education, Radhanath Rath ; Law, Development and Health, Dinabandhu Sahu ; Revenue, Excise and Supply, Sadashiva Tripathy ; Industries and Transport, Kishore Chandra Deo Bhanj ; Tribal and Rural Welfare, Labour and Commerce, Sonaram Soren.

DEPUTY MINISTERS

Home, Nilamani Rout-ray ; Health, Shrimati Basanta Manjari Devi ; Works, Bhalrab Chandra Mohanty ; Transport and Forest, Tirthabasi Pradhan ; Supply and Agriculture, Krunalidhi Nalk ; Local Self-Government, Co-operation and Fisheries, Santanu Kumar Das ; Public Relations, Relief and Rehabilitation and Animal Husbandry, Anup Singh Deo.

SECRETARIES

CABINET DEPARTMENT

Chief Secretary and Secretary, Cabinet Department, B. Mukerjee, I.C.S.

Joint Secretary, J. Mohapatra, I.A.S. (ex-officio Director of Community Projects).

Joint Secretary, J. A. Dave, I.A.S. (also Secretary to the Chief Minister).

HOME DEPARTMENT

Secretary, A. K. Barren, I.A.S.

Deputy Secretary, K. Ramamurthy, I.A.S.

Deputy Secretary, M. Ahmed, M.A. (also Chief Electoral Officer).

FINANCE DEPARTMENT

Secretary, P. K. Tripathi, I.A.S.

Joint Secretary, S. Nanda, I.A.S.

Deputy Secretary, D. Das, M.A., B.L.

REVENUE AND EXCISE DEPARTMENT

Secretary, N. Senapati, I.C.S. (*ex-officio* *President*, *Board of Revenue*).

Additional Secretary, B. Sivaraman, I.C.S. (*ex-officio* *Member*, *Board of Revenue*).

Additional Secretary, V. Ramanathan, I.C.S. (*ex-officio* *Member*, *Board of Revenue*).

Deputy Secretary, R. P. Padhi, I.A.S. (*ex-officio* *Secretary*, *Board of Revenue*).

Deputy Secretary, S. N. Mishra, M.A. (*ex-officio*).

Deputy Secretary, K. K. Samal, M.Sc. (*ex-officio*).

DEVELOPMENT DEPARTMENT

Secretary, B. S. Mohanti, I.A.S.

Joint Secretary, M. Ramakrishna, I.A.S.

Deputy Secretary, A. L. Nair, I.A.S.

LAW DEPARTMENT

Secretary, B. C. Das, *Bar-at-Law*.

EDUCATION AND HEALTH DEPARTMENT

Secretary, H. Sharangi, I.A.S.

WORKS DEPARTMENT

Secretary, G. C. L. Joneja, I.A.S.

Additional Secretary, N. Mohanti, B.A. (*ex-officio*).

INDUSTRIES, RIVER VALLEY DEVELOPMENT, COMMERCIAL AND LABOUR

Secretary, Dr. H. B. Mohanty, M.Sc., Ph.D. (Cantab.).

Deputy Secretary, Dr. N. Dutta-Majumdar, M.A., Ph.D., I.A.S.

SUPPLY DEPARTMENT

Secretary, P. N. Mohanti, I.A.S.

RELIEF AND REHABILITATION DEPARTMENT

Secretary, S. N. Pujari, B.A.

TRIBAL AND RURAL WELFARE AND PUBLIC RELATIONS DEPARTMENT

Secretary, C. Misra, B.A. (*ex-officio* *Director of Tribal, Rural Welfare and Public Relations*).

Accountant-General, S. Venkataraman.

Director of Forests, B. P. Basu, I.F.S.

Chief Engineer, Public Works, C. M. Bennett, F.S.I.

Chief Engineer, Electricity, R. L. Narayanan, B.Sc. (Hons.) (Lond.), B.E., M.I.E. (Lond.).

Chief Inspector of Factories and Labour Commissioner, S. Padhi, B.Sc. (Eng.), I.M.E.

Director of Agriculture and Food Production, V. S. Tilak, I.A.S.

Director of Animal Husbandry and Veterinary Services, Sardar G. B. Singh, B.A., M.R.C.V.S.

Director of Public Instruction, Dr. B. Prasad, D.Sc. (Lond.).

Controller of Supplies, P. N. Mohanti, I.A.S.

Superintendent of Government Press, Md. S. H. Khan, M.A., B.S.A., A.R.P.S.

Director of Industries, G. N. Mitra, M.Sc. (officiating).

Director of Health and Inspector-General of Prisons, Lt-Col. P. Paptola, B.A., M.B.B.S., F.R.C.S., D.P.H.

Director of Public Relations, C. Misra, B.A.

Inspector-General of Police, B. Roy, I.P.

Registrar of Co-operative Societies, S. K. Bose, I.A.S.

HIGH COURT

Mr. Justice Lingaraj, Panigrahi, M.A., B.L., *Chief Justice*

Mr. Justice R. I. Narasingham, I.C.S., *Puisne Judge*.

Mr. Justice Souril Prasad Mohapatra, M.A., B.L., *Puisne Judge*.

Mr. Justice Jagannath Mohanty, M.A., B.L., *Puisne Judge*.

R. P. Mishra, B.L., *Registrar*.

Abhimanyu Misra, *Deputy Registrar*.

Pothapragada Venkateswarulu, B.A., B.L., *Assistant Registrar*.

Dibyasingh Mohanty, B.A., B.L., *Stamp Reporter and Commissioner for Oaths and Affidavits*.

Anath Bandhu Ray, M.A., B.L., *Law Reporter*.

PUBLIC SERVICE COMMISSION

President, S. N. Mohapatra, I.A.S.

Member, P. S. Sundaram, B.A. (Oxon.).

Member, H. P. Deb.

Secretary, U. Das, B.A., D.Ed.

ESTIMATED BUDGET FOR 1953-54

Receipts Rs. 1356.89 lakhs

Expenditure : Rs. 1445.67 lakhs

Deficit : Rs. 88.78 lakhs.

ASSOCIATIONS

The Berhampur Chamber of Commerce (Orissa).—The Berhampur Chamber of Commerce was established soon after the formation of the State of Orissa. It is registered under the Indian Companies' Act and is recognised by the Government of Orissa. It maintains a library and an information service, arranges commercial arbitration and makes commercial opinion available to Government. It has nearly 60 members on its roll.

President—P. Narayana Rao, B.A., B.L.; *Vice-President*—The Agent of Messrs. Haji Jamal Nur Mohamad; *Hon. Secretary*—I. Rama Murty. *Address*—Berhampur, Ganjam Dist.

Cuttack Chamber of Commerce—Railway Dockyard, Chaullaganj, Cuttack. *Secretary*: Ananda Chandra Das

Orissa Chamber of Commerce—Nayasarak, Cuttack 2. *Secretary*: B. K. Nanyal.

PUNJAB

Area : 37,378 square miles.

Population (1951 census) : 12,641,205 (males : 6,786,934, females : 5,854,271).

Population by religion* : Hindus 8,176,430, Sikhs 3,831,983, Jains 37,518; Buddhists 1,441; Zoroastrians 77; Muslims 229,080; Christians 95,293; Jews 170; other non-tribals 631.

Capital : Chandigarh.

Districts : Ambala, Amritsar, Ferozepore, Gurgaon, Gurdaspur, Hissar, Hoshiarpur, Jullundur, Kangra, Karnal, Ludhiana, Rohtak and Simla.

The population District-wise is as follows
Hissar : 1,045,645, Rohtak : 1,122,046, Gurgaon 967,664, Karnal 1,079,379, Ambala 943,734, Simla : 46,160, Kangra : 936,042, Hoshiarpur : 1,091,986, Jullundur : 1,055,600, Ludhiana : 808,105, Ferozepur : 1,326,520, Amritsar : 1,367,040, Gurdaspur : 851,294. The highest number of displaced persons is in Ferozepore (370,934) and the lowest in Kangra (19,770).

Languages spoken : Punjabi and Western Hindi.

AGRICULTURE

Area and Productions of Principal Crops of the Punjab, 1951-52

Food crops : Wheat (3,207,000 acres, 1,175,000 tons), Gram (1,861,000 acres, 449,000 tons), Barley (546,000 acres, 135,000 tons), Rice (unhusked) (526,000 acres, 171,000 tons), Maize (727,000 acres, 267,000 tons), Bajra (1,826,000 acres; 77,000 tons), Jowar (588,000 acres, 49,000 tons).

Total : 9,281,000 acres; 2,323,000 tons.

Cash Crops : Sesamum (Til) (64,000 acres, 6,000 tons), Groundnut (99,000 acres, 26,000 tons), Toria (85,000 acres, 21,000 tons), Rape and Mustard (589,000 acres; 64,000 tons), Linseed (4,000 acres, 27,000 tons), Cotton (518,000 acres, 130,000 tons), Sugarcane (Gur) (388,000 acres; 454,000 tons), Tobacco (6,000 acres; 2,000 tons).

Classification of land in the Punjab, 1951-52

Total area of the State : 23,179,000 acres

Total area of crops sown : 13,706,000 acres (Dry : 8,086,000 acres, Wet : 5,620,000 acres).

Area under food Crops : 9,901,000 acres, area under cash Crops : 1,897,000 acres; area under fodder Crops : 1,908,000 acres. Area cultivated twice : 2,023,000 acres, area possibly available for further cultivation through reclamation measures : 2,201,000 acres.

FRUITS AND VEGETABLES

The total area under potatoes is about 11,300 acres, and under other vegetables about 75,000 acres.

The production of potatoes is about 36,000 tons.

The total area under fruit is about 43,500 acres.

The plains produce fruit like mango, litchi, malta, orange, sangtara, kaghzi lime, sweet lime, guava, peach, plum, pear. In the hilly tracts are produced apple, pear, persimmon, cherry, walnut.

The total quantity of fruit produced is about 75,000 tons, the value of which would be about Rs. 3,05,23,880.

LAND TENURE

Land Tenure System in the State :

With the passing of the Punjab Occupancy Tenants (Vesting of Proprietary Rights) Act, 1952, there are now no occupancy tenants

except on evacuee lands. They have become proprietors from 15th June, 1952 on payment of compensation to landlords.

Consequent upon the enforcement of the Punjab Security of Land Tenures Act, 1953, which came into force on the 15th April, 1953, tenants have been divided into the following two classes. Tenants of landowners owning land above the permissible area, and tenants of landowners owning land below the permissible area.

The permissible area has been fixed at 30 standard acres or 60 ordinary acres in case of locals; and in case of displaced persons 50 standard acres or 100 ordinary acres for those who have been allotted 50 standard acres or more in lieu of land left in West Punjab, but to the extent of land allotted in case it is less than 50 standard acres and more than 30 standard acres, but if allotted less than 30 standard acres then up to 30 standard acres including any land which such displaced person has in East Punjab.

The tenants of the former category have security of tenure for a period of 10 years from the date of the commencement of the tenancy or the date of the enforcement of the aforesaid Act whichever is later. The tenants of latter category are liable to ejectment after the 30th April, 1954, up to which date no tenant is liable to ejectment.

Names of laws governing each of these Land Tenure Systems. The Punjab Occupancy Tenants (Vesting of Proprietary Rights) Act, 1952; The Punjab Security of Land Tenures Act, 1953.

Names of Tenancy Acts in force at present. The Punjab Occupancy Tenants (Vesting of Proprietary Rights) Act, 1952, The Punjab Abolition of Ala Malikyat and Talukdari Rights Act, 1952; The Punjab Security of Land Tenures Act, 1953, The Punjab Tenancy Act, 1887.

Names of laws passed for expropriating non-proprietary rentier class (Zamindari, Jagirdari Abolition). Jagirdari or Zamindari in the Punjab existed in the form of Ala Malikis and landlords of occupancy tenants which have since been extinguished by the Punjab Occupancy Tenants (Vesting of Proprietary Rights) Act, 1952 and the Punjab Abolition of Ala Malikyat and Talukdari Rights Act, 1952.

Area of land which will be released in consequence. No area will be released as the Adna Malikis and occupancy tenants instead have been given proprietary rights of such lands.

CIVIL SUPPLIES

Names of rationed articles, quantum of each per adult per week in ounces.

The only commodity statutorily rationed is Rice. It is issued at the rate of 42.7 ounces per adult per week to rice eaters/others (Wheat/atta ceased to be rationed article with effect from the 27th April 1953).

Monthly requirement of State according to the quota :

2,000 tons of rice a month or 28,000 tons per annum (including a carry over of 4,000 tons for two months)

Degree of control in the State :

Procurement of rice is done under the Monopoly Procurement Scheme by which all arrivals of paddy markets are taken over by Government or their authorised agents. After dehussing, these stocks are delivered to Government for distribution through controlled channels and for exports to other States.

In urban areas, it is a statutorily rationed commodity and is distributed at the usual scales.

In rural areas, its distribution is regulated under the East Punjab Distribution of Rice Order, 1948.

There is complete control over the price and movement of rice within the State. Its export outside the State is regulated through permits, which are issued against quotas fixed under the Basic Plan by the Government of India.

Quantity of wheat, rice and millets procured during the year :

Wheat (1953-54 rabi crop year) upto 26th September 1953 : 23,716 tons (out of this, 3,918 tons were purchased under Monopoly Procurement Scheme and the balance quantity procured under Share System) plus 5,609 tons seeds.

Rice (1952-53 Kharif crop year) : 90,473

Millets were not purchased during 1952-53

System of Procurement. At present rice is procured under Rice Monopoly Procurement Scheme. Wheat is purchased under the East Punjab Foodgrains Procurement (Share System) Order, 1948, under which a certain percentage of daily arrivals at selected mandis is taken over by the Government at Market rates. All Foodgrains (except rice which is under monopoly) can be purchased by Government under this system but at present the purchases are confined to wheat only.

Population of rationed towns : 1,273,880

Name of rationed towns : Simla, Ambala, Jagadhari, Karnal, Panipat, Ludhiana, Jullundur, Ferozepur, Amritsar, Batala, Gurdaspur and Pathankot.

Food subsidy. Foodgrains are not supplied at subsidized rates. The issue rates however, are worked out on "no profit no loss basis".

Controlled articles. Rice : Salt where the District Magistrate exercises control over its price. Sugar where releases from factories are controlled by the Government of India so as to ensure regularity of supplies to the market and prevent shortages. 25 per cent of the production of sugar factories is treated as a reserve stock from which the Government of India has the right to release sugar at the controlled price of Rs. 27 per maund.

Annual requirement of salt : 24 lakh maunds.

Import quotas for 1953 : 1,860,000 maunds for human and cattle consumption and 300,000 maunds for industries.

Monthly requirements of cotton yarn as assessed during March 1951 : 6,500 bales.

Quota of sugar : In the pre-control period, the State used to be allotted a quota of 6,000 tons per month which was subsequently increased to 6,250 tons per month.

Self-sufficiency regarding the following articles:

Wheat : During 1953-54 the State expected to be just self-sufficient.

Millets : The internal production is normally sufficient to meet the needs of the State and therefore these are not imported from outside, except for seed purposes in years of lean internal productions.

Kerosene : As there is no internal production in the State, it is imported entirely from outside.

Salt has to be imported from outside besides the production in the plains stations.

Cotton Cloth : As production within the State is very small, most of the cotton cloth required is imported from outside.

* Persons whose enumeration records were destroyed by fire—268,602.

PLANTATIONS

Plantations are scattered over Ludhiana, Amritsar, Ambala and Karnal Districts.

Area of Plantations on 31st March 1953 : 15,410 acres.

The plantations are yet in formation stage

FORESTS

Total forest area as on 31st March 1953 8,265,110 acres

The forests are located in Kangra, Hoshiarpur, Amritsar, Gurdaspur, Ambala, Gurgaon, Hissar, Rohtak, Karnal, Ludhiana, Jullundur and Ferozepore Districts.

Main types of forests :

- (a) Conifers : (i) Merchantable ; (ii) unprofitable or inaccessible
(b) Broad leaved - (i) Merchantable , (ii) unprofitable or inaccessible

(c) Scrub.

(d) Irrigated plantations.

(e) Waste.

Total revenue during 1952-53 : Rs. 49-18 lakhs

Total expenditure during 1952-53 : Rs. 47-11 lakhs

Main forest products and their value

Timber Cu ft solid In thousands	Value Rs in lakhs	Firewood Cu ft solid In thousands	Value Rs in lakhs	Other minor produce, viz resin, grass, etc. Value in lakhs of rupees
3,758	21 43 (a)	12,165	10 06 (b)	33 59 (c)

(a) Includes Rs 3-07 lakhs }
(b) " " 7 66 " } On account of produce removed by right holders and free grantees.
(c) " " 10-54 " }

Area afforested during the year : 10,714 50 acres

COTTAGE INDUSTRIES

Main cottage and small scale industries in the State showing the number of workers engaged and the value of annual production within brackets : Handloom weaving (71,815, Rs 17,83,14,850), Hosiery (21,931, Rs 2,07,32,035), Nisar and Rohtak Tape making (80, Rs 95,000), Ban and Rope making (2,834, Rs 7,18,000), Durce weaving (2,311, Rs 23,00,000), General Engineering (12,128, Rs 2,20,72,450), Surgical Instruments (401, Rs 1,62,500), Cycle parts (6,158, Rs 16,04,239), Hand sieves (45, Rs 2,68,012), Conduit pipes (68, Rs 1,60,000), Utensil making (1,555, Rs 1,28,50,000), Non-ferrous metals (225, Rs 26,40,000), Rubber goods (60, Rs 131,000), Rubber insulated cable wires (13, Rs 78,000), Resin (510, Rs 58,50,000), Oil crushing (2,066, Rs 91,35,000), Soap making (3,262, Rs 43,88,000), Toilet Soap making (9, Rs 98,000), Ice making (19, Rs 51,000), Plastics (534, Rs 3,36,000), Brushware (17, Rs 61,000), Saltpetre refining (2,534, Rs 29,02,483), Black salt manufacturing (100, Rs 2,00,000), Sports goods (1,970, Rs 16,00,000), Shoes and leather goods (7,570, Rs 57,10,000), Leather tanning (10,042, Rs 52,92,500), Glue (32, Rs 1,26,000), Gut making (12, Rs 1,00,000), Wood working (3,687, Rs 37,50,000), Ivory goods (150, Rs 1,00,000), Ivory inlaid goods (118, Rs 40,000), Basket making (1,944, Rs 3,75,500), Shikl and Moorah making (290, Rs 1,59,500), Bamboo chikl making (82, Rs 40,000), Kikar bark grinding (214, Rs 4,80,000), Chemicals (574, Rs 1,02,00,000), Snuff (55, Rs 12,25,000), Scientific Instruments (1,398, Rs 25,00,000), Glass and Dentist buttons (85, Rs 4,00,000), Glass bead (40, Rs 3,50,000), Optical goods (16, Rs 72,000), Slate (90, Rs 1,50,000), Cement (200, Rs 50,000), Store dressing (300, Rs 1,00,000), Breakfast and food (218, Rs 1,61,621), Fruit preservation (3, Rs 6,000), Sericulture (200, Rs 1,28,000).

MINERALS

Chief Minerals produced in the State. There are no regular mines in this State except slate and stone quarries

Location : The quarries are located at Khunayara, Bhagsunath, Narwana, Yol in the Kangra District and Kund in the Gurgaon District.

Quantity and value (1952) : 10,659 tons ; Rs. 4,76,659.

50 workers are working in each quarry at Bhagsunath and Narwana. About 100 labourers on an average are employed at Yol quarry by

Messrs. Narwana Slate Mines. On an average 120 persons are employed by Kangra Valley Slate Co., Kund in the Gurgaon District

LABOUR

Average daily number of workers in registered factories : 52,822

Names of industries in which a minimum wage is fixed

Woollen Carpet making or Shawl weaving Establishments, Rice mill, flour mill or dal mill ; Tea plantations ; Oil Mills, Interior employees under local authorities, Road construction or building operations, Stone breaking or stone crushing ; Public Motor Transport, Tanneries and leather manufactory, Agriculture.

Working class cost of Living Index for December 1952 with 1931 35 as base :

December 1952, Food articles 520, Fuel and lighting 408, Clothing 180 ; House rent 400, Miscellaneous 682, General Index 518.

The items of expenditure included in the statement have been given relative weightage proportionate to total expenditure. These items account for 75 per cent of the total expenditure of working class. The remaining 25 per cent represents expenditure on education, interest, debt, marriage, travelling, religious ceremonies, etc.

Average monthly earnings at present : Rs 65-8-0

Total number of trade disputes for the year 1952 : 57

Number of workers affected : 5,782

Number of strikes 57

Number of workers affected 5,782

Number of man days lost 95,842

Number of trade unions in the State : 142

Total membership of trade unions 12,250 (for 70 Unions only).

Number of Labour Welfare centres in the State : 7.

Strength of Labour Welfare staff : 22

PUBLIC TRANSPORT

The total number of routes operated at present is 12 in Jullundur Omnibus Service, 25 in Amritsar Omnibus Service, and 28 in Ambala Roadways. The total mileage covered by these nationalized services upto the end of October, 1953 from the time of their commencement was 2,86,12,220 and the passengers carried number 7,79,09,225.

On a capital investment of about Rs. 60 lakhs, the net profits aggregate over Rs. 24 lakhs, after meeting the working expenses, interest on capital, leave and pension contribution, audit fee etc and after providing for Depreciation and Motor Transport (Insurance) Reserve Funds

The total amount to the credit of the Government Transport Services in the Reserve Fund at the end of the financial year 1952-53 was Rs 17,73,379

CO-OPERATION

As on 30th June 1952 :

Total number of Co-operative Societies : 14,820.

Total membership of Co-operative Societies : 7,98,978

Total working capital Rs. 12,99,41,866.

Types of Societies and their number : Multi-purpose Co-operative Societies : 369 ; Co-operative Farming Societies : 227, Co-operative Farming : 40, Better Farming : 187, Milk Dairy Societies : 7, Consumers' Co-operative Societies (Store and Supply Societies) : 108 ; Agricultural Credit Societies : 7,708, Non-Agricultural Credit Societies : 557, Consolidation of Holdings Societies : 1,336, Housing Societies : 17

Co-operative Banks :

Number of Central and District Co-operative Banks : 23

Number of Provincial Co-operative Banks : 1

Working Capital Rs 61,31,932 ; Deposits : Rs 39,91,030, Paid-up share capital : Rs. 1,78,400, Reserve and other Funds : Rs. 2,025.

PUBLIC HEALTH

Names of Diseases with mortality during 1952 within brackets : Pneumonia (12,876), Phthisis (2,983) ; Malaria (2,580), Enteric Fever (2,380) ; Diarrhoea (2,087), Dysentery (2,048).

Number of allopathic Hospitals and Dispensaries : Urban Hospitals 104 ; Rural Hospitals 10, Urban Dispensaries 115, Rural Dispensaries 358

Total number of beds in allopathic Hospitals and Dispensaries : 6,448

Number of Ayurvedic and Unani rural Dispensaries : 20

Number of Special Hospitals with the number of beds in each within brackets. Tuberculosis 2 (188) ; Dental Diseases 1 ; Eye Diseases 2 (470) ; Leprosy 3 (442) ; Mental Diseases 1 (500).

Total number of Ayurvedic and Unani Doctors : 17,872 ; Nurses : 1,186 ; Dais : 2,730 ; Compounders : 2,491.

Number of in-patients treated in the Hospitals and Dispensaries of the Punjab during the year 1952 : 1,41,431.

Number of out-patients treated in the Hospitals and Dispensaries of the Punjab during the year 1952 : 57,27,617.

Number of Government Hospitals and Dispensaries : Hospitals 63 ; Dispensaries 145.

Total number of doctors (allopaths) in Government service : 566.

Total number of doctors (Ayurvedic and Unani) in Government service : 20 ; Nurses : 117 ; Compounders : 316 (excluding 20 in Ayurvedic and Unani Dispensaries).

Total number of Medical colleges (allopathic) : 2.

Number of students in Medical colleges (allopathic) : 130.

Total number of medical officers on the preventive side of the department : 20.

Budget allotment to the Public Health Department for the year 1952-53 : Rs. 21,21,340.

EDUCATION

Information given below is for 1951-52.

Pre-primary Education : Number of separate nursery schools : 1, total enrolment : 30 ; total number of teachers : 2.

Number of nursery schools and nursery classes in Urban areas : 1.

Total expenditure on nursery schools and nursery classes : Rs. 4,599 ; Contribution by State Government : Rs. 4,599.

Number of nursery schools owned by State Government : 1.

Elementary Education : Total number of elementary schools : 4,591 ; Total enrolment : 981,792 ; Total number of teachers : 10,509.

Total expenditure (Direct) for the year on elementary education : Rs. 10,668,896.

Contribution by :—

State Government	Rs.	59,36,109
Local Authorities	"	38,98,423
Private Agencies, etc.	"	6,87,078
Fees	"	1,47,286

Number of Elementary Schools owned by :—

State Government	"	22
Local Authorities	"	4,216
Private Agencies	"	352

Secondary Education. Total number of secondary schools : 1,360 (owned by State Government 78 ; by local authorities : 910 ; by private agencies : 372).

Total enrolment : 4,40,305 ; Total number of teachers : 13,046.

Total expenditure (Direct) for the year on secondary education : Rs. 2,14,59,128.

Contribution by :—

State Government	Rs.	71,55,874
Local Authorities	"	27,28,986
Private Agencies, etc.	"	19,37,840
Fees	"	96,36,478

Anglo-Indian Education, etc. : Number of European and Anglo-Indian Schools : 7 ; Total enrolment : 1,100 ; Government grant : Rs. 91,510.

Arts and Science Colleges : Total number of Arts and Science Colleges : 45 ; Total number of Women's Arts Colleges : 5 ; Total enrolment : 22,292 ; Total number of Professors and Lecturers : 1,100.

Total expenditure (Direct) for the year on arts and science colleges : Rs. 53,40,691.

Contribution by :—

State Govt.	Rs.	11,13,801
Local Authority	"	22,320
Private Agencies, etc.	"	10,75,516
Fees	"	31,29,064

Professional Colleges : Total number of Professional Colleges : 9 ; Engineering : 1 ; Veterinary : 1 ; Education : 3 ; Commerce : 1 ; Medicine : 1 ; Agriculture : 1 ; Law : 1.

Total enrolment : 1,866 (Engineering : 165 ; Veterinary : 93 ; Education : 328 ; Medicine : 602 ; Commerce : 91 ; Agriculture : 208 ; Law : 384).

Total number of Professors and Lecturers : 155.

Total expenditure (Direct) on Professional Education (Colleges) : Rs. 15,55,077.

Contribution by :

State Government	Rs.	11,28,008
Private Agencies	"	94,349
Fees	"	3,32,720

Number of Colleges owned by State Government : 16 ; by local authorities : 1 ; by private agencies : 39.

Teachers Training :

Total number of Teachers' Training Institutions : 9 (owned by State Government : 6 ; by private agencies : 3).

Number of training institutions which confer degree : 2

Number of teachers on staff of training schools : 73.

Number of students at Degree Institutions : 318.

Number of students at Diploma Institutions : 1,412.

Total expenditure on teachers' training institutions (Direct) : Rs. 393,640.

Contribution by :

State Govt.	Rs.	3,01,815
Private Agencies, etc.	"	7,487
Fees	"	84,338

Commercial and Technical Education (Schools) :

Number of technical institutions : 35 (owned by State Government : 26 ; by private agencies : 9)

Total enrolment : 2,521.

Number of Instructors : 258.

Total expenditure (Direct) : Rs. 11,20,888.

Contribution by :—

State Govt.	Rs.	10,11,612
Local authority	"	1,700
Private Agencies, etc.	"	65,030
Fees	"	42,546

Education of the Handicapped :

Total number of schools for defectives : 1.

Total enrolment : 55.

Number of teachers : 12.

Number of schools for blind : 1.

Enrolment : 55.

Number of teachers : 12.

Government grant to school for blind : Rs. 6,800.

SOCIAL EDUCATION

Established institutions, devoted to Social (Adult) Education : 132.

Number of teachers : 133.

Total number of adults educated during 1951-52 : 3,657.

Total expenditure : Rs. 1,62,731.

Contribution from :—

State Govt.	Rs.	1,55,082
Local authorities	"	3,343
Private charity	"	4,326

Compulsory Education :

Elementary Education is compulsory in certain areas of the State.

Areas in State and age groups for which elementary education is free and compulsory : Age group 6-11 ; 37 Urban Areas and 1,296 Rural Areas.

Place of Language in the education system : The question of allowing examinees in the Matriculation examination to answer papers in Hindi, Urdu and Punjabi is receiving attention.

Wardha Basic Education Scheme :

When started : 1950-51.

Number of schools : 41.

Number of students : 3,912.

Training centres for Basic teachers : Three training schools.

Name of the public examination at end of school career : Matriculation.

Name of the University conducting it : Punjab University, Solan.

Social Education was adopted in this State under a directive of the Government of India in 1949. A Social Education Officer was appointed in 1949 and an assistant in 1950 to run the scheme. Four Social Education Training Camps for teachers and volunteers were organised and 134 social centres including 28 for women were started under the Education Department. A Social Education Sub-Committee of the Provincial Advisory Board of Education drew up a detailed programme for pamphlets, literature, charts and films required for the purpose. The scheme comprised, besides the 3 R's, Health and Hygiene, Geography, Agriculture, Everyday Science and Civics, and for women, needle-work, laundry, cooking and handwork.

The total number of centres at the end of 1950 was 163 (141 for men and 22 for women). This number is very inadequate. The target is 500 centres for the whole State (250 for men and 250 for women). A large number of teachers in secondary schools, the authorities of the Jails and the East Punjab Railway voluntarily carried on Social Education work in their areas.

A Social Education Officer assisted by Social Education Supervisors, one for each division, has been in charge of the Social Education work.

Social education centres have been provided with radio sets, petromax lamps, durrles, black-board, chowkies, reading and writing material and library books.

Centres for women are being developed into work centres. Handicrafts like making of Azarbands and Newar weaving, Phulkari and needle work and spinning are taught in these centres. In centres for men, crafts like mat-making, bamboo craft, rope making and bee-keeping are being taught according to local traditions and the material available.

Literacy tests given at varying intervals of 3 to 6 months according as the centres have pupils ready for the test are as follows : Vidya Mandal (Literacy and library activity) ; Charcha Mandal (for discussion of news and views) ; Sankirtan Mandal (Kathas, recreational activities with the help of Radios) ; Sewa Mandal (for training people in medical relief and first-aid) ; Khel Mandal (for sports and games).

Budget for 1950-51 for Social Education : Rs. 1,75,000. Voluntary organisations engaged in Social Education work are also subsidized by the State Government under this scheme.

PUNJAB UNIVERSITY

Solan (Simla Hills).

VICE-CHANCELLOR

Dewan Anand Kumar, M.A. (Cantab.).

REGISTRAR

Dr. Bhupal Singh, M.A., D.Litt.

This is an Affiliating, Teaching and Examining University.

Subjects where provision exists for post-graduate and research : English, Economics, Zoology, Physics, Chemistry, History, Botany, Mathematics, Hindi and Sanskrit.

Number of colleges affiliated : 70.

Total number of students as on 31st March 1962 : Affiliated Colleges : 25,918 ; University Teaching Departments : 720.

LIST OF COLLEGES

Punjab University Camp College, New Delhi.
Punjab University College, Hoshiarpur.
Punjab University College of Commerce, Jullundur City.
Punjab University Law College, Jullundur City.
Ahr College, Rewari.
A.I.J.H.M. College, Rohtak.
Arya College, Ludhiana.
A. S. College, Kalanajra, Khanna.
Baring Christian College, Batala.
Bikram College of Commerce, Faridkot.
B.M. College, Simla.
Brijindra College, Faridkot.
Chottu Ram Arya College, Sonapat.
D.A.V. College, Ambala City.
D.A.V. College, Hoshiarpur.
D.A.V. College, Jullundur City.
Dayal Singh College, Hissar.
D.C. Jain College, Ferozepore City.
Dev Samaj College for Women, Ferozepore City.
D.M. College, Moga.
Doaba College, Jullundur.
Dronacharya S. D. College, Gurgaon.
G.H.G. Khalsa College, Gurusar Sadhar.
G.M.N. College, Ambala Cantt.
Govt. Agricultural College, Ludhiana.
Govt. College, Dharamsala.
Govt. College for Women, Amritsar.
Govt. College for Women, Ludhiana.
Govt. College for Teachers, Jullundur.
Govt. College, Hissar.
Govt. College, Ludhiana.
Govt. College, Muktsar.
Govt. College, Rohtak.
Govt. College, Rupnagar.
Govt. College, Tanda Umar.
Govt. Intermediate College, Bilaspur.
Govt. Training College for Women, Simla.
Hindu National College, Hariana.
Hindu Sabha College, Amritsar.
Kanya Mahavidyalaya, Jullundur.
Khalsa College, Amritsar.
Khalsa College for Women, Sidhwan Khurd.
Lyallpur Khalsa College, Jullundur City.
Mahendra College, Patiala.
Medical College, Amritsar.
Malerkotla College, Malerkotla.
M. R. College, Fazilka.
Punjab Engineering College, Roorkee.
Punjab Veterinary College, Hissar.
Radha Krishna Arya College, Nawanshahar.

ADMINISTRATIVE PERSONNEL

GOVERNOR.

Chandreshvar Prasad Narain Singh.

PERSONAL STAFF

Secretary, R. S. Talwar.
Military Secretary, Major I. C. Katoch.
A.D.C., Captain D. N. Chibber.

COUNCIL OF MINISTERS

Chief Minister in charge of General Administration (including Publicity), Law and Order (including Jails and Justice), Food and Civil Supplies and Panchayats, Bhim Sen Sachar.

Land Revenue, Development (Agriculture, Forests, Veterinary) and Consolidation of Holdings, Sardar Partap Singh Kalron.

Irrigation, Electricity and Co-operative Societies, Chaudhri Lahri Singh.

Finance, Relief and Rehabilitation and Industries, Sardar Ujjal Singh.

Education, Health and Transport, Jagat Narain.

Public Works Department (Buildings and Roads), Capital Project and Local Government, Sardar Gurbachan Singh Bajwa.

Labour, Stationery and Printing, Excise and Taxation, and Scheduled Castes and Backward Classes, Chaudhri Sundar Singh.

Chief Parliamentary Secretary, Prabodh Chandra, M.L.A.

SECRETARIAT

Chief Secretary, S. Nawab Singh, I.C.S.

Home Secretary and Election Commissioner, S. Gyan Singh Kahlon, I.C.S.

Health and Local Government Department, S. R. Maini, I.A.S.

Finance, N. N. Kashyap, I.C.S.

Legislative Department, Shamsher Bahadur.

Revenue, P. K. Kaul, I.C.S.

Development Commissioner, M. S. Randhawa, I.C.S.

P.W.D., B. & R., P. L. Varma

P.W.D., Irrigation, R. R. Handa.

P.W.D., Electricity, S. S. Kumar

Transport, Co-operative Societies, and Civil Supplies, R. P. Kapur, I.C.S.

Deputy Secretary, Political, Kanwar Brahm Nath.

Deputy Secretary, Finance, Badri Nath Chopra.

Deputy Secretary, Revenue, Jaswant Singh Uppal.

Deputy Secretary, Development, Kuldeep Singh Narang, I.A.S.

Deputy Secretary, Capital, B. B. Vohra, I.A.S.

HEADS OF DEPARTMENTS

Chief Conservator of Forests, N. P. Mohan.

Commissioner of Labour, D. N. Nigam.

Director, Food and Civil Supplies, Harkishan Singh Achreja.

Director of Agriculture, H. R. Sahli

Director of Veterinary Services, B. N. Handa

Director of Education, Dr. Trilochan Singh.

Director of Industries, Jaswant Singh Basur, I.A.S.

Director of Health Services, H. B. N. Swift

Deputy Director of Public Relations, Dip Chand Verma.

Director, Land Records and Registrar of Marriages, Deaths and Births, Mian Bhag Singh.

Director, Consolidation of Holdings, Sapuran Singh.

Director, Home Defence and Welfare Officer, P. L. Ohri.

Controller of Printing and Stationery, K. C. Kuriyan.

Inspector General of Police, D. C. Lal, I.P.

Inspector-General of Prisons, B. C. Katoch.

Registrar of Co-operative Societies, D. D. Kapila.

Provincial Transport Controller, R. D. Badhwar.

Excise and Taxation Commissioner, S. R. Varma, I.A.S.

Officer-in-Charge, Special Enquiry Agency, Lakhmi Narain Singh.

Chairman, Public Service Commission, Vishan Bhagwan.

Keeper of Records, Vidya Sagar Suri.

Secretary, Public Service Commission, D. R. Dutt.

JUDICIAL DEPARTMENT

Mr. Justice A. N. Bhandari, I.C.S. Chief Justice
Mr. Justice G. D. Khosla, I.C.S. Punes Judge.

Mr. Justice Harnam Singh Do.

Mr. Justice D. Falshaw, I.C.S. Do.

Mr. Justice J. L. Kapur Do.

Mr. Justice R. C. Soti Do.

Mr. Justice S. S. Dulat, I.C.S. Do.

Ranjit Rai, Narang Registrar.

Harcharan Singh Bhandari, P.C.S.

Deputy Registrar.

Asstt Registrar.

Trith Singh

ASSOCIATIONS

INDIAN CHAMBER OF COMMERCE

116-B Alexandra Road, Ambala Cantt.

NORTHERN INDIA CHAMBER OF COMMERCE

(Formerly Indian Chamber of Commerce), Ambala Cantt. (East Punjab).

Established in the year 1912 at Lahore (now in West Pakistan) by late Lala Harkishan Lal with a view to provide for an organization to promote, watch for and protect Indian Trade, Commerce and Industry ; to collect and circulate statistics and other information related therewith and to consider legislation and other Government measures affecting trade, commerce and industry. The Chamber also makes representations to Government on grievances of the commercial community, undertakes arbitration and issues certificates of origin.

The activities of the Chamber are spread over all spheres of commercial life of Punjab, PEPSU, Himachal Pradesh and Delhi States. The Chamber is affiliated to the Federation of Indian Chambers of Commerce and Industry and is a member of the International Chamber of Commerce, Paris.

President, R. B. Janki Dass.

Vice-Presidents, S. B. Sapuran Singh Chawla ; D. D. Puri, M.L.A.

Hony. Secretary, Sirdar H. S. Balaaya.

PUNJAB & DELHI CHAMBER OF COMMERCE

Scindia House, Curzon Road, Post Box No. 24, New Delhi 1.

Exists for the protection of mercantile interests on the usual lines in the Punjab, Delhi and Northern India. Membership generally is restricted to Banks, Merchants (wholesale), Railways and proprietors of large industrial interests. The Chamber is a member of the Federation of Chambers of Commerce of the British Empire, London and the Associated Chambers of Commerce of India, Calcutta. The Chamber is represented on the Municipal Committee of Delhi as well as various other Committees and Local Government Bodies.

Office-Bearers : C. P. G. Wade, New Delhi (Chairman, Managing Committee), Bharat Ram, New Delhi (Dy. Chairman) ; S. D. Dhir (Secretary).

PUNJAB FEDERATION OF INDUSTRIES, AMRITSAR

Established in 1937, with the object of creating a solid body of industrialists of the Punjab and Northern India to promote and protect their interests through organised effort. The Federation has now among its members the largest industrial units in the State and no industry of any importance is left unrepresented in the Federation.

President.—Seth Satya Paul Virmani.

Vice-President.—Puran Chand Sawhney.

TEXTILE MANUFACTURERS' ASSOCIATION

4, Queen's Road, Amritsar.

J. K. Industries

Juggilal Kamlapat Cotton Spg. & Wvg. Mills Co. Ltd.
 Juggilal Kamlapat Jute Mills Co. Ltd.
 Juggilal Kamlapat Iron & Steel Co. Ltd.
 J. K. Cotton Manufacturers Ltd.
 The Plastic Products Ltd.
 The Ayurvedic & Unani Medicines Ltd.
 J. K. Woollen Manufacturers Ltd.
 The Raymond Woollen Mills Ltd.
 The New Kaiser-i-Hind Spg. & Wvg. Co. Ltd.
 Eastern Chemicals Co. (India) J. K. Chemicals Ltd.
 The Aluminium Corporation of India Ltd.
 The Snow White Food Product Co. Ltd.
 Reform Flour Mills Ltd.
 The Howrah Soap Co. Ltd.
 The Straw Products Ltd.
 Madhya Pradesh Mines Ltd.

Allied Concerns

Motilal Padampat Sugar Mills Co. Ltd.
 J. K. Investment Trust Ltd.
 J. K. Commercial Corporation Ltd.
 J. K. Traders Ltd.
 The Free India General Insurance Co. Ltd.
 The Hindustan Commercial Bank Ltd.
 J. K. Distributors Ltd.
 The Impex (India) Ltd.
 J. K. Investors (Bombay) Ltd.
 J. K. (Bombay) Ltd.
 J. K. Eastern Industries Ltd.
 Juggilal Kamlapat Properties Ltd.
 J. K. Ltd.
 The Vita Supplies Corporation Ltd.
 The Bengal & Assam Investors Ltd.
 The New India Building & Land Improvement Society Ltd.
 The National Insurance Co. Ltd.
 The National Fire & General Insurance Co. Ltd.
 Juggilal Kamlapat (Agency) Ltd.
 J. K. Hoslery Factory (Calcutta) Ltd.
 J. K. Industries Ltd.
 J. K. (Bhopal) Ltd.
 J. K. (England) Ltd.
 Bhopal Oil & Flour Mills Ltd.

Directors:

Sir Padampat Singhanian, Kt., M. P.,
 Governing Director.

Shri Kailashpat

Shri Lakshmpat

Shri Sohanlal

Al-Haj. S. M. Bashir

Shri Parshottamdas

Shri Kanailal Jatia

Shri Sital Prasad

Shri Kishen Chand Puri

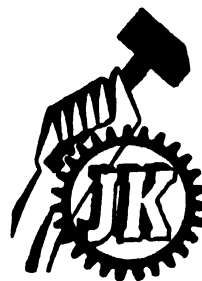
Shri Tej Narain Khaitan

Shri Pyarelal

Shri Hari Shanker

Shri Gopal Krishna

Shri Hemant Pat



Official Addresses:

KANPUR : Kamla Tower, Kanpur.

CALCUTTA : 7, Council House Street,
 Calcutta.

BOMBAY : J. K. Building, Ballard
 Estate, Bombay.

UTTAR PRADESH

Area : 113,409 square miles.

Population : 63,215,742 (33,098,866 males ; 30,116,876 females).

Capital : Lucknow.

Larger administrative divisions with names of the District Headquarters within brackets : Meerut-Agra-Rohilkhand (Meerut) ; Allahabad Jhansi-Banaras (Allahabad) ; Lucknow-Faizabad-Gorakhpur (Lucknow) ; Kumaun (Nainital).

Smaller administrative divisions with names of the districts constituting the division. Each District is named after the headquarters town.

Meerut Division : Dehra Dun, Saharanpur, Muzaffarnagar, Meerut, Bulandshahr.

Agra Division : Aligarh, Mathura, Agra, Mainpuri, Etah.

Allahabad Division : Farukhabad (Fategarh), Etawah, Kanpur, Fatehpur, Allahabad.

Rohilkhand Division : Bareilly, Bijnor, Budaut, Moradabad, Rampur, Shahjahanpur, Pilibhit.

Jhansi Division : Jhansi, Jalaun (Oral), Hamirpur, Banda.

Banaras Division : Banaras, Mirzapur, Jaunpur, Ghazipur, Ballia.

Gorakhpur Division : Gorakhpur, Deoria, Basti, Azamgarh.

Kumaun Division : Nainital, Almora, Garhwal (Pawri), Tehri-Garhwal (Narendranagar).

Lucknow Division : Lucknow, Unnao, Rae Bareilly, Sitapur, Hardoi, Kheri (Lakhimpur).

Faizabad Division : Faizabad, Gonda, Bahraich, Sultanpur, Pratapgarh, Barabanki.

Number of Districts : 51 ; Tahsils : 225 ; District Boards : 50 ; Municipalities : 119 ; Notified Areas : 38 ; Panchayats : 35,943 ; Villages : 111,722.

Strength of the Legislative Council : 72 ; Legislative Assembly : 430.

Number of members returned from the state to the House of the People : 86.

Number of members returned to the Council of States : 31.

Total income of population of State in 1950-51 : Rs. 1,615.0 crores ; total rural income (1950-51) : Rs. 1,149.9 ; total urban income (1950-51) : Rs. 466.0 crores.

Per capita income for State (1950-51) : Rs. 255.7 ; per capita urban income (1950-51) : Rs. 541.9 ; per capita rural income (1950-51) : Rs. 210.6.

AGRICULTURE

Main food crops : Wheat, barley, gram, rice, jowar, bajra and maize.

Main cash crops : Sugarcane, linseed, rapeseed, mustard, groundnut, til and cotton.

Total food production : 11,295,753 tons.

Production of individual food crops in tons for 1951-52 : Rice 1,625,092 ; Barley 1,484,928 ; Bajra 778,019 ; Kodon 240,369 ; Maize 682,020 ; Peas 584,129 ; Potatoes 665,761 ; Wheat 2,593,089 ; Jowar 669,193 ; Mandua 89,156 ; Sawan 65,482 ; Gram 1,273,520 ; Arhar 705,015.

Production of individual cash crops in tons for 1951-52 : Linseed 17,994 ; Rapeseed and Mustard 117,350 ; Groundnut 115,038 ; Til 21,939 ; Sugarcane 3,169,211 (in terms of cane) ; Cotton 10,901 ; Jute 29,388 ; Indigo 10 ; Tobacco 18,205.

Area of State in acres : 72,278,813.

Area cultivated : 49,230,120 acres. Area of uncultivable land : 11,555,699 acres. Area cultivated twice : 8,620,568 acres.

Area under dry cultivation : 33,822,560 acres (plain portion only). Area under wet cultivation : 13,875,108 acres (plain portion only).

Area under food crops : 42,532,280 acres. Area under cash crops : 4,668,132 acres.

Area under individual food crops (in acres) : Rice 8,827,287 ; Wheat 8,301,566 ; Barley 4,601,369 ; Jowar 2,347,597 ; Bajra 2,764,033 ; Mandua 463,246 ; Kodon 1,094,335 ; Sawan 481,428 ; Maize 2,036,153 ; Gram 5,735,901 ; Peas 2,096,899 ; Arhar 1,711,401 ; Potatoes 223,574 ; Other fruits and vegetables 397,942 (includes the area of garden and orchards in the hill portion) ; Other food crops 1,549,549.

Area under individual cash crops (in acres) : Linseed 112,645 ; Rapeseed and Mustard 401,057 ; Groundnut 280,689 ; Til 252,674 ; Other oilseeds 52,960 ; Sugarcane 2,965,042 ; Cotton 193,328 ; Hemp 238,459 ; Jute 80,000 ; Indigo 1,568 ; Tobacco 56,412 ; Opium 32,392.

Area possibly available for further cultivation through reclamation measures : 82,34,649 acres (plain portion only).

Plantations and their number Fruit trees 948,242 ; Other trees 371,205.

Area of plantations : 12,040 acres

Number of stud bulls : 4,573.

Number of Buffalo bulls : 1,047.

Number of Rams : 292.

Number of Horse Stallions : 44 ; Donkey Stallions : 4.

Number of veterinary experimental stations : 4 Laboratories, one in each circle.

Number of veterinary hospitals : 231.

Number of animals that can be accommodated in the hospitals : Varies from 1 to 4.

Number of surgeons and stockmen : 268 and 742.

Budget allotment for the Veterinary Department for the year 1953-54 : Rs. 1,26,14,700.

STATE HELP FOR AGRICULTURE

Manures distributed in 1951-52 and their quantities : Compost (293,480 tons) ; Oil cakes (43,654 maunds) ; Fertilizers : Bone meal (213.62 tons) ; Superphosphate (285.97 tons) ; Sulphate of Ammonia (97,347 tons) ; Chilean Nitrate (20 tons) ; Potassium Sulphate (1.2 tons) ; Gypsum (28 tons) ; D. C. M. Fertilizer Mixture (1,048.8 tons).

Quantity of improved seeds distributed in 1952-53 : Kharif (135,563 maunds) ; Rabi (468,421 maunds).

Number of agricultural implements distributed or loaned in 1951-52 : 13,303.

Number of seed farms during 1952-53 : 26.

Plant Protection Organisation : The staff consists chiefly of the Entomologist to the Government of U.P., who is the technical and administrative head and Plant Pathologists in higher ranks.

Total expenditure on the Service : Varied from Rs. 66,000 in the first year to Rs. 4,00,000 during 1952-53.

Highest revenue on account of the costs of the control measures recovered from the cultivators during 1952-53 : Rs. 46,335-10-6.

Targets set for food crops : For 1953-54 : Kharif 200,000 maunds ; Rabi 810,000 maunds.

For 1954-55 : Kharif 380,000 maunds ; Rabi 972,000 maunds.

Rise in production of different crops owing to Grow More Food Campaign : 10 to 15 per cent on the average yield due to the use of improved seeds, i.e. 468,421 maunds in Rabi and 135,563 maunds in Kharif.

Highest yield per acre of different crops for which prizes were offered in competitions :—

Name of crop	Highest yield per acre in		
	Mds.	Srs.	Chhs.
Wheat	54	5	5½
Paddy	82	15	12
Jowar	28	35	
Bajra	49	10	
Maize	60	20	

Budget grant for the Grow More Food for 1953-54 :

Reclamation of Usar and eroded land Rs. 7,18,500.

Bureau of Information and Publicity Rs. 47,200.

Crop Competition Scheme : Rs. 1,50,000.

Potato Competition Scheme : Rs. 18,000.

Multiplication and distribution of improved seeds : Rs. 16,77,200.

Town Compost Scheme : Rs. 1,23,000.

Plant Protection Scheme : Rs. 3,33,800.

Demonstration on cultivators' fields Rs. 4,04,600.

Seeds and District Farms : Rs. 5,64,300.

CIVIL SUPPLIES

Rationed articles : Wheat including pure wheat atta and salt. Supplementary quota of imported wheat and Rabi coarse grains at economic cost is also issued in addition to the basic quota of wheat.

Number of rationed towns after de-rationing in 26 towns : 38.

Monthly requirement of State according to the quota of foodgrains excluding the quota issued at economic cost : 32,630 tons. Salt : 2,773 M. G wagons.

Control : No statutory control over prices of foodgrains. Movement within the State is free. State permission is required for movement of foodgrain outside U.P.

There is no procurement of wheat. Procurement of rice only when required by Government of India for other States.

No control over sugar except that ex-factory price has been fixed for crystal sugar of 1951-52 by the Government of India.

Salt : Price, distribution and movement control.

Articles in which the State is in surplus and the actual surplus : Gur and sugar which share over 50 per cent of the export trade of the country. Pulses particularly arhar and peas. One to two tons are sent out to deficit States.

Deficit article and the actual deficit : Wheat. Varies between 1.5 and 3 lakh tons.

Import Quota : Wheat : 300,000 tons for 1953.

Import price : Wheat : Rs. 18-8-0 per maund from January 1 to February 28, 1953. Rs. 17-8-0 per maund from March 1, 1953. Salt : Different rates for different sources.

Procurement of foodgrains during the year 1952-53 : Wheat 231,250 tons ; Gram 77,678 tons ; Barley 42,154 tons ; Mixtures 15,592 tons ; Rice 37,177 tons ; Jowar 8,564 tons ; Bajra 5,454 tons ; Maize 1 ton.

Salt is imported through licensed District nominees appointed by the District Magistrates.

System of procurement of foodgrains : Monopoly system.

Food subsidy : The Government do not give any food subsidy to maintain the system. The loss incurred in running the scheme is met from the State revenues.

LAND TENURE

With the vesting of zamindaris, following new legislation, on July 1, 1952 in 47 out of the State's 51 districts, estates of nearly 20 lakh zamindars were taken over resulting in direct contact with 12,800,000 Kisans. The area of land released is about 6 crore acres.

Liquidated zamindars retain such of Sir, Khudkast and groves of which they have become Bhumidhars.

The new land tenures under the U.P. Zamindari Abolition and Land Reforms Act are : Bhumidhar, Sirdar, Adhivasi, Asami.

The following laws govern the different tenures extant in the State :

1. The U.P. Zamindari Abolition and Land Reforms Act governs the new tenures ;
2. The U.P. Tenancy Act, 1939 governs small pockets where the U.P. Zamindari Abolition and Land Reforms Act, 1950 does not yet apply such as the urban areas ;
3. The U.P. Land Revenue Act of 1901 as amended from time to time ;
4. The U.P. Bhoodan Yagna Act, 1952 ;
5. The U.P. Land Reforms (Supplementary) Act, 1952 ;
6. The U.P. Commutation of Rent (Regulation of Proceedings) Act, 1952 ;
7. The U.P. Land Tenures (Regulation of Transfer) Act, 1952 ;
8. The Jaunpur Bawar Security of Tenure and Land Records Act, 1952 ;
9. The U.P. Zamindars' Debt Reduction Act, 1950 ;
10. The U.P. Agricultural Tenants' (Acquisition of Privileges) Act, 1949.

The main features of the Zamindari Abolition, etc. Act are : Extinction of ex-intermediaries rights, Payment of equitable compensation, Payment of rehabilitation grant to ex-intermediaries who paid land revenue upto Rs. 10,000 per annum ; Undisturbed possession of land by actual tillers of soil and conferment of greater rights upon them ; Undisturbed possession by every person of his house, well or grove ; No landlord-tenant system to be in force in future i.e. prohibition of sub-letting except in restricted cases ; Prevention of uneconomic holdings ; Village community to own all common lands and to have powers of land management ; The entire body of tenure-holders to be jointly and severally responsible for the payment of land revenue, and facilities for co-operative farming.

Every ex-intermediary (ex-zamindar) is entitled to compensation at the rate of eight times his net assets. In addition, every ex-intermediary, whose land revenue did not exceed Rs. 10,000 would be given rehabilitation grant at the specified scale.

IRRIGATION

Area irrigated by State Irrigation works (1951-52) : 7,195,082 acres.

Number of tubewells : 2,393. Area irrigated in 1951-52 : 983,181 acres.

Area irrigated by wells other than tube wells in 1951-52 : 5,562,140 acres.

Names of larger Irrigation works with capacity and area irrigated during 1951-52 within brackets :

Upper Ganga Canal (9,063 cusecs, 1,683,437 acres) ; Lower Ganga Canal (5,170 cusecs, 1,273,321 acres) ; Eastern Yamuna Canal (2,262 cusecs, 502,920 acres) ; Agra Canal (1,800 cusecs, 380,486 acres) ; Sarda Canal (9,500 cusecs, 1,432,996 acres) ; Betwa Canal (1,307 cusecs, 190,314 acres) ; Dhasan Canal (740 cusecs, 65,596 acres) ; Ken Canal (1,067 cusecs, 1,70,030 acres) ; Ghagra Pumped Canal (771 cusecs, 1,02,130 acres) ; Ghagra Canal (5,892 m.cft., 34,508 acres) ; Ramganga Canal (200 cusecs, 29,384 acres) ; Bijnor Canal (180 cusecs, 22,514 acres).

Names of Irrigation projects in execution with the expected date of completion, area which will be irrigated and total cost within brackets.

Sarda Canal (1954 : 1,76,000 acres ; Rs. 49 lakhs) ; Sarda Canal Extension (1953-54 ; 1,76,000 acres ; Rs. 95 lakhs) ; Pratapgarh Branch (Extension of Sarda Canal) (1953-54 ; 50,000 acres ; Rs. 53.5 lakhs) ; Daryabad Branch (Extension of Sarda Canal) (1954-55 ; 60,000 acres ; Rs. 60 lakhs) ; Sarda Reservoir in Tarai Forest Stage I, including Jaunpur Branch (1955-56 ; 200,000 acres ; Rs. 336.21 lakhs) ; Increasing capacity of Sarda Canal (1955-56 ; 40,000 acres ; Rs. 36 lakhs) ; Increasing capacity of Ganga Canal (1955-56 ; 100,000 acres ; Rs. 16 lakhs) ; Irrigation Schemes in Kumaun (1955-56 ; 25,000 acres ; Rs. 43.5 lakhs) ; Banganga Canal (1955-56 ; 22,000 acres ; Rs. 34 lakhs) ; Lalitpur Dam* (60,000 acres ; Rs. 35 lakhs) ; Sapra Dam* (40,000 acres ; Rs. 60 lakhs) ; Matatila Dam (1956-57 ; 3,60,000 acres ; Rs. 400 lakhs) ; Nagwa Dam* (70,000 acres ; Rs. 80 lakhs) ; Kabral Lake Project* (5,000 acres ; Rs. 19 lakhs) ; Arjun Dam (1955-56 ; 27,000 acres ; Rs. 53 lakhs) ; Rangawan Dam (1954 ; 90,000 acres ; Rs. 103 lakhs) ; Belan Canal Project (1955-56 ; 38,000 acres ; Rs. 193.46 lakhs) ; Ahaura Dam (1956-57 ; 22,000 acres ; Rs. 40 lakhs) ; Chandraprabha Dam (1956-57 ; 40,000 acres ; Rs. 78.42 lakhs) ; Shahganj Disty. and Extension of Ghagra and Garal Canal Systems (1954-55 ; 20,000 acres ; Rs. 18.7 lakhs) ; 904 State tubewells (1953-54 : 411,700 acres ; Rs. 426.29 lakhs) ; 995 State tubewells under Technical Co-operation Administration (1955-56 : 3,89,000 acres ; Rs. 380.63 lakhs).

Minor Irrigation Schemes with expected date of completion, area which will be irrigated and cost within brackets :

Majhgawan Bund (1954-55 ; 2,000 acres ; Rs. 6 lakhs) ; Baghelkhand Bund (1954-55 ; 1,380 acres ; Rs. 5.66 lakhs) ; Barwa Tola Bund (1954-55 ; 2,000 acres ; Rs. 5 lakhs) ; Narhat Tank (1954-55 ; 407 acres ; Rs. 1.62 lakhs) ; Pall Tank (1954-55 ; 1,023 acres ; Rs. 2.19 lakhs) ; Meja Reservoir and Canals (1955-56 ; 75,000 acres ; Rs. 104 lakhs) ; Naugarh Dam and Chandaul Canals (1955-56 ; 80,000 acres ; Rs. 150 lakhs).

Total estimated rise in output after completion of the irrigation projects now in execution : 501,073 tons.

Irrigation projects planned but not executed : Gandak Canal, Extension of Ghagra Canal, Sarju Canal, Salona Pumped Canal and other minor irrigation schemes.

The following schemes are under investigation : Bhara and other bunds (Agra District) ; Besu Gangl Irrigation Schemes (Azamgarh District) ; Kharari and other nala irrigation schemes (Azamgarh District) ; Pumping schemes from Tals (Azamgarh District) ; Pokhra Tal (Gorakhpur District) ; Ghugl Nadi Irrigation Scheme (Gorakhpur District) ; Bund and Inlet scheme in Ballia Revalganj ; Dohrigat Pumped Canal scheme.

Forest : Total area : 13,000 sq. miles ; Private forests : 3,800 sq. miles ; Revenue (1952-53) : Rs. 3,34,16,139 ; Expenditure : Rs. 1,24,92,493.

MANUFACTURES

The State is not rich in minerals. Iron and copper ore are found in the Himalayan districts.

Coalfields exist in the district of Mirzapur in Tehsil Sangrauli. Gold is found in minute quantities by washing the sands in some of the rivers in the hills. Limestone is found in the Himalayas and in the districts of Etawah and Banda, and stone is largely quarried in the Mirzapur district. Other kinds of stone quarried, though in small quantities, are kankar and slates.

Kanpur is the chief centre for cotton spinning and weaving mills. According to the latest figures available about 3,000 persons are

employed in cotton spinning, cleaning and pressing factories and 72,000 in spinning and weaving mills.

Agra, the principal centre of shoemaking, is rightly called the Northampton of India and produces shoes worth over a crore of rupees a year. Kanpur is next to it in importance.

The glass industry is important at Bahjoi, Balawali, Sasni, Harangau, Shikohabad, Naini (Allahabad), Ghaziabad and Banaras. Firozabad is the chief centre for manufacturing glass bangles in India.

There are over forty hollow-ware factories, and eighty glass bangle factories in the State. Out of the forty-one hollow-ware factories ten are large-scale factories and the others are comparatively small. The total amount of the goods produced in these hollow-ware factories is estimated at 25,000 tons per year valued at 4-5 crores of Rupees per year. The bangle factories at Firozabad produce about 10,000 tons of bangles per year, valued at Rs. 6 crores per year.

There are four factories manufacturing vegetable ghee with a capacity of about 150 tons per day. The oil crushing industry is well developed in the State since U. P. produces about 24 crore maunds of oil-seeds. There are over 150 big oil mills registered under Factories Acts and over 250 small oil mills working with power. About half a dozen oil mills are equipped with refining plant.

There are about 25 big soap factories besides a large number of small manufacturers producing in all about 3 lakh maunds of toilet and washing soap annually.

Paints and varnishes industry is being developed with the coming into existence of 6 paints and varnishes factories producing 3,500 tons of paints and 150,000 gallons of enamel and varnish annually.

Boiled oil is already being manufactured by some firms producing about 450,000 gallons annually.

Allied industries like textile auxiliaries and toilets are being manufactured at some places.

Tin canisters are made at Agra, Hathras, Etawah, Mainpuri and Ghaziabad.

(For sugar industry see article Sugar Industry.)

COTTAGE INDUSTRIES

Main Cottage Industries	Number of workers	Value of production (in rupees)
Textile	1,238,000	41,84,00,000
Leather	180,000	20,40,00,000
Brass and copper (Tensils)	205,000	6,30,00,000
Locks, Cutlery and building fittings	22,790	2,38,00,000
Iron and Steel	36,200	4,07,00,000
Glass	51,800	3,82,00,000
Ceramics and Pottery	250,550	7,53,85,000
Ghee, Oil, Soap and Gur	1,701,500	65,98,80,000
Wood Working	12,225	2,16,95,000
Cane and Reed Furniture and Basketry	64,800	3,08,50,000
Fibre	83,000	4,75,00,000
Essential Oils and Perfumery	3,000	25,94,000
Miscellaneous	30,285	4,61,45,000
Total	3,879,130	2,07,22,39,000

Total budget grant for 1953-54 : Rs. 93.75,400.

TRANSPORT

Total mileage of roads : 50,448 miles.

Mileage of metalled roads : 18,782 miles ; unmetalled roads : 31,666 miles.

* In operation.

Mileage of roads maintained by :

P.W.D. : Metalled roads 8,491 miles ; unmetalled roads 7,333 miles.

District Boards : Metalled roads 1,800 miles ; unmetalled roads, 17,000 miles.

Municipalities : 10,051 miles.

Number of passenger service buses : 2,792 (excluding roadways vehicles). Number of goods carrying lorries, trucks : 6,583 Number of taxis : 452.

Number of combined Posts and Telegraphs offices : 3,178 (permanent) , 2,175 (temporary). Number of telegraph offices : 10.

Number of telephone exchange : 67 Number of subscribers : 12,597.

Number of broadcasting stations : 2 (Lucknow and Allahabad) Number of receiving licenses in 1950 : 53,624

The State owns a transport service under the name of U. P. Government Roadways, managed as a Government Department with the Transport Commissioner as the head.

The State is divided into seven regions namely Agra, Allahabad, Bareilly (with which has been amalgamated the Kumaon region), Gorakhpur, Kanpur, Lucknow and Meerut (with which has been amalgamated the Garhwal region). Each region is in the charge of a General Manager.

The headquarters of the Transport Commissioner is Lucknow.

Each region has a regional workshop and a number of depots for repairs and maintenance of vehicles at suitable places. The Roadways Central Workshop, the pivot of Roadways Workshop Organisation, is located in Kanpur.

Capital invested : Rs. 3,47,57,053 (31st March 1952)

Total mileage covered in 1951-52 : 28,166,418 miles.

Number of routes covered by nationalised passenger service : Agra Region 44, Allahabad Region 21 besides 6 city services ; Bareilly Region 26, Garhwal Region 3, Gorakhpur Region 58, Kanpur Region 39, Kumaon Region 7, Lucknow Region 32 besides 8 city services, Meerut Region 23.

Goods service has not been nationalised

Number of vehicles owned by authority in January 1953 : Passenger 1,152 ; Goods : 326.

Number of nationalised city bus services : 15 (January 1953)

Cities where transport is publicly owned : Allahabad, Banarns, Bareilly and Lucknow.

Number of suburban bus services : 3.

Number of city bus service vehicles : 70.

Number of passengers carried by Authority in 1951-52 : 42,553,107.

Total expenses of Authority in 1951-52 : Rs. 3,02,54,796-9-10.

Total revenue for 1951-52 : Rs. 3,15,12,816-5-0.

Profit for 1951-52 : Rs. 12,58,019-11-2.

Rise in number of men employed after nationalisation : 7,290 (1950-51) ; 7,331 (1951-52).

Rise in per capita earnings of staff : Rs. 4,130-3-2 (1950-51) ; Rs. 4,298-0-0 (1951-52).

Extra amenities provided for passengers : Printed time tables are made available to the public. Fare tables and time schedules are displayed at all stations.

Tickets are issued at bus stations according to the principle of first come first served.

Separate booking windows, waiting rooms and urinals for ladies are provided at important stations.

Seats can be reserved in advance.

Waiting room sheds and drinking water facilities have been provided at all the stations. Refreshment stalls and book stalls are also provided at stations.

Arrangements for loading and unloading of passengers' luggage are made through conductors and porters.

Special services are run on occasions of fairs, etc.

A high percentage of punctuality is maintained in running the buses.

Bus fare for lower class was raised to 7½ ples per mile two years after nationalisation

The freight rate has been decreased after nationalisation.

Ratio of total wage bill to total working expenses : 3 : 13

Number of main workshops for repair and overhaul : One Central Workshop at Kanpur.

Number of regional workshops and maintenance depots : 39 altogether.

Some spare parts are manufactured at Roadways Central Workshop, Kanpur

Expansion of U. P. Government Roadways is envisaged in the Five-Year Plan. Several routes are proposed to be taken over for operation of Passenger Transport Services in 1953-54, 1954-55 and 1955-56.

CO-OPERATION

Total number of co-operative societies : 36,523

Membership of co-operative societies : Individuals : 3,037,285 Societies : 49,007.

Total working capital : Rs. 2,657.95 lakhs.

Types of co-operative societies and their number. Provincial Co-operative Bank 1 ; Central and District Co-operative Banks 62 ; Central Urban Banks 3 ; Seed Stores 9 ; Consumers' Stores 8 ; Cattle Breeding Societies 1 ; Better Farming Societies 2 ; Provincial Federation 1 ; Federations (District and Central) 53 ; Development and Marketing Unions 1,666 ; Five Unions 11 ; Milk Unions 6 ; Poultry Unions 2 ; Fruit and Vegetable Unions 2 ; Other Sale Societies 3 ; Better Living Unions 7 ; Educational Institutions 14 ; Others 2 ; Industrial Societies (Under Industries Department) 43.

Number of Agricultural Primary Societies : 32,245.

Number of Non-Agricultural Primary Societies : 2,260.

Provincial Co-operative Bank : Working Capital : Rs. 346.06 lakhs, Deposits : Rs. 274.18 lakhs, Paid-up share capital : Rs. 40.54 lakhs, Reserve and other Funds : Rs. 10.80 lakhs ; Dividend for the year 1952-53 : 1½ per cent.

Budget allotment for the Co-operative Department for 1951-52 : Rs. 65.20 (ending March 31, 1952).

HOUSING

Information from the Chief Engineer, P.W.D., Buildings and Roads Branch :

Housing Authority : Relief and Rehabilitation Department, U. P., Lucknow.

Source from which finance is drawn : Ministry of Relief and Rehabilitation, Government of India.

All quarters have been constructed in urban areas. The following table gives details about the houses built upto March 1953.

Class of houses.	Number of each class.	Cost of building each house.	Rent per month for each house.
Shop-cum-residence	3,847	Rs. 2,200	Rs. 8 to 16
Improved type residence	130	..	..
Stalls	1,798	..	..
Single room quarters	3,764	1,836	10
Double room quarters	256	4,104	25 to 28
Shops	60	1,450	..

Number of Labour quarters tenements constructed in the urban area : By P.W.D. at Kanpur : 1,473 ; By Development Board, Kanpur : 744 ; By Municipal Board, Lucknow : 560.

1,500 tenements are being constructed by P.W.D. at Kanpur at Rs. 2,700 per tenement.

Information from the Town and Village Planner to Government, U. P.

Housing authority and how constituted : Kanpur Development Board under Kanpur Urban Area Development Act, 1945.

Improvement Trusts under Town Improvement Act, 1919

Municipal Boards under U. P. Municipalities Act, 1916

Housing Board constituted by the Labour Department for workers' housing in sugar factories.

Co-operative Societies under Registration of Co-operative Societies Act.

Housing by private individuals.

Different classes of houses built and cost of building a house of each class : Five main room houses (Rs. 25,000) ; Four main room houses (Rs. 18,000) ; Three main room houses (Rs. 12,000) ; Various types of refugee quarters constructed by State Government (Rs. 4,500 to Rs. 12,000) ; Houses constructed by Co-operative Societies at varying costs ; Two-room houses for sugar factories (Rs. 3,500) ; Single-room house for sugar factories (Rs. 2,000) ; Industrial workers' quarters (Rs. 2,700).

How rent is fixed : Economic rent is first calculated and then rent remission if necessary is made.

The types of houses built by Co-operative Housing Societies vary from five main rooms to three main rooms.

The rents of houses built by housing authorities are lower than those built by private enterprises.

Financial help : No financial help for private enterprises. Loans are granted by the State Government to local authorities and co-operative housing societies, repayable in instalments at a nominal rate of interest.

Housing for sugar factory workers is financed out of U. P. Sugar and Power Alcohol Workers Welfare Fund.

Housing for industrial workers is financed by the Government of India on half subsidy and half loan basis.

Number of families which need proper houses 464,936. This figure also gives the number of houses that are needed. Number of houses at present : 929,881.

Sources of finance available for housing. Government of India on half subsidy and half loan basis ; State Government either in the form of grants or in the form of loans ; Local Bodies taxes.

Subsidised Scheme

Housing authority : Housing Commission.

Source of finance : Subsidy and loan sanctioned by the Government of India.

Number of houses built in Kanpur and Lucknow and the type : 2,777 one-room quarters.

Cost of each tenement including land : Rs. 2,700.

Rent per month, proposed to be fixed by the Government of India : Rs. 10.

The rent is considerably lower than the rent of a similar house of the same standard built by private enterprise. This rent will be a subsidised rent.

Budget allotment by the State Government for construction of houses : Rs. 75 lakhs.

The Government of India sanctioned Rs. 95 lakhs for constructing 3,750 houses at Kanpur by 31st July 1953. The Government of India have also been moved to allot a sum of Rs. 2 crores for 1953-54 for construction of workers' houses at Kanpur, Agra, Firozabad and Hathras.

In Sugar Factories

Housing Authority : U. P. Sugar and Power Alcohol Board.

The Board consists of 9 members, 3 from Government, 3 from employers and 3 from workers.

Source of Finance : U. P. Sugar and Power Alcohol Industries Labour Welfare and Development Fund created under the U. P. Sugar and Power Alcohol Industries Labour Welfare and Development Fund Act, 1951.

How the finance is drawn : By levying cess on the sale proceeds of molasses.

Class of house.	Number of houses under construction.		Cost of each house.	Rent.
	Rural area	Urban area		
Single-room	271	47	Rs. 2,040	Free
Two-room	243	58	3,805	"

Number of houses constructed so far by various sugar mills : 216.

Amount paid so far to the various sugar mills as part payment towards the above scheme : Rs. 7,26,357.

Total number of houses required : 1,500.

Public Health : Death per thousand : Cholera (0.09), smallpox (0.77), plague (0.20), malaria (3.07). The number of officials in the health services is 181, and in the subordinate services 101. The budget allotment for 1953-54 : Rs. 1,41,76,000.

ADMINISTRATION

Governor.—Kanjialal Maneklal Munshi.

PERSONAL STAFF

Secretary to the Governor.—Lt.-Col. C. S. Bhatnagar.

Hon. *Adviser-de-Camp*—Lt. B. S. Thapa, Sardar Bahadur ; Ris. Major and Hon. Capt. Manindra Nath, Sardar Bahadur ; Captain Bhagwan Din.

Superintendent, Office of the Secretary to the Governor.—Govind Ballabh Pant.

POPULATION OF DISTRICTS

Name of Division or District	Population in 1951	Population in 1941	Variation (+)	Percentage variation (+)
<i>Meerut Division</i>	6,718,510	5,717,048	+ 1,001,462	+ 17.5
Dehra Dun	362,006	266,018	+ 95,987	+ 36.8
Saharanpur	1,353,630	1,180,466	+ 173,170	+ 14.67
Muzaffarnagar	1,221,768	1,056,769	+ 165,009	+ 15.61
Meerut	2,281,217	1,896,582	+ 384,635	+ 20.28
Bulandshah	1,499,884	1,317,223	+ 182,661	+ 13.87
Agra Division	6,075,402	5,329,731	+ 745,671	+ 13.99
Aligarh	1,648,506	1,372,641	+ 275,865	+ 20.12
Mathura	912,264	811,251	+ 101,013	+ 12.5
Agra	1,501,391	1,288,478	+ 212,913	+ 16.52
Mainpuri	993,890	872,601	+ 121,289	+ 13.89
<i>Etah</i>	1,124,351	984,760	+ 139,591	+ 14.17
<i>Rohilkhand Division</i>	7,217,666	6,673,088	+ 544,628	+ 8.16
Bareilly	1,269,233	1,176,197	+ 93,036	+ 7.91
Bijnor	984,196	910,223	+ 73,973	+ 8.1
Budaun	1,251,152	1,162,322	+ 88,830	+ 7.6
Moradabad	1,660,950	1,478,151	+ 182,804	+ 12.7
Shahjahanpur	1,004,378	983,385	+ 20,993	+ 2.1
Pilibhit	504,428	490,718	+ 13,710	+ 2.8
Rampur	543,324	477,042	+ 66,282	+ 13.9
<i>Allahabad Division</i>	6,960,488	6,013,978	+ 946,460	+ 15.7
Farrukhabad	1,092,641	955,573	+ 137,068	+ 14.3
Etawah	970,695	883,264	+ 87,431	+ 9.9
Kanpur	1,939,887	1,556,247	+ 383,620	+ 24.7
Fatehpur	908,985	806,944	+ 102,041	+ 12.6
Allahabad	2,048,250	1,811,950	+ 236,300	+ 13.0
<i>Jhansi Division</i>	2,888,522	2,748,993	+ 139,529	+ 5.1
Jhansi	877,807	831,043	+ 46,764	+ 5.6
Jalaun	555,239	516,984	+ 38,255	+ 7.4
Hamirpur	665,429	600,747	+ 64,682	+ 7
Banda	790,247	740,219	+ 50,028	+ 6.8
<i>Banaras Division</i>	6,849,031	5,996,685	+ 852,346	+ 14.2
Banaras	1,978,634	1,670,067	+ 308,567	+ 18.5
Mirzapur	1,017,289	899,929	+ 117,360	+ 13.0
Jaunpur	1,517,173	1,387,439	+ 129,734	+ 9.4
Gorakhpur	1,141,278	985,380	+ 155,898	+ 15.8
Balla	1,194,657	1,053,880	+ 140,777	+ 13.4
<i>Gorakhpur Division</i>	8,831,241	7,972,108	+ 859,133	+ 10.8
Gorakhpur	2,238,588	1,903,661	+ 334,927	+ 17.6
Deoria	2,102,827	1,969,913	+ 132,914	+ 6.7
Basti	2,887,903	2,185,641	+ 702,262	+ 32.2
Azamgarh	2,102,423	1,822,893	+ 279,530	+ 15.3
<i>Kumaun Division</i>	2,159,982	1,978,631	+ 181,351	+ 9.2
Naini Tal	385,414	291,861	+ 93,553	+ 32.1
Almora	772,896	687,286	+ 85,610	+ 12.5
Garhwal	689,625	602,115	+ 87,510	+ 14.5
Tehri Garhwal	412,047	397,369	+ 14,678	+ 3.7
<i>Lucknow Division</i>	7,152,237	6,530,736	+ 621,501	+ 9.5
Lucknow	1,128,101	949,728	+ 178,373	+ 18.8
Unnao	1,067,055	959,542	+ 107,513	+ 11.2
Rae Bareilly	1,156,704	1,064,804	+ 91,900	+ 8.6
Sitapur	1,880,472	1,293,554	+ 586,918	+ 45.4
Hardoi	1,361,562	1,239,083	+ 122,479	+ 9.9
<i>Kheri</i>	1,058,343	1,024,025	+ 34,318	+ 3.4
<i>Faizabad Division</i>	8,362,713	7,583,588	+ 779,125	+ 10.3
Faizabad	1,481,796	1,319,425	+ 162,371	+ 12.3
Gonda	1,877,484	1,719,644	+ 157,840	+ 9.2
Bahraich	1,346,335	1,240,569	+ 105,766	+ 8.5
Sultanpur	1,282,160	1,100,968	+ 181,192	+ 16.5
Pratapgarh	1,110,734	1,041,024	+ 69,710	+ 6.7
Barabanki	1,264,204	1,162,508	+ 101,696	+ 8.7

(Continued on next page)

COUNCIL OF MINISTERS

Chief Minister, Genl. Adm., Planning and Co-operation, Pandit Govind Ballabh Pant.
Finance, Power, Hafts Mahomed Ibrahim.
Home, Labour, Dr. Sampurnanand.
Industries, Relief, Rehabilitation, Hukum Singh.
Public Works, Girdhari Lal.
Civil Supplies, Health, C. B. Gupta.
Revenue, Agriculture, Charan Singh.
Justice, Excise, Syed Ali Zaheer.
Education, Harijan Sahayak, Hargovind Singh.
Local Self-Government, Mohanlal Gautam.
Information, Irrigation, Kamalapati Tripathi.
Transport, Viohitra Narain Sharma.

DEPUTY MINISTERS

Parliamentary Affairs and Co-operation, Mangla Prasad.
Forests, Jagmohan Singh Negi.
Planning, Phool Singh.
Agriculture, Jagan Prasad Rawat.
Jails, Muzaffar Hasan.
Public Works Department, Chaturbhuj Sharma.
Irrigation, Ram Murli.

PARLIAMENTARY SECRETARIES

Parliamentary Secretary to Chief Minister, Kripa Shanker.
Civil Supplies and Health, Banarsi Das.
Education, Sita Ram.
Revenue and Agriculture, Dwarika Prasad Maurya.
Industries and Rehabilitation, Hauf Jafrl.
Civil Supplies and Health, Baldev Singh Arya.

U. P. PUBLIC SERVICE COMMISSION

Chairman.

Krishna Murari Lal, M.A., LL.B.

Members.

Nafisul Hasan, M.A., LL.B.

Pitambar Datt Pande, M.A.

Secretary.

Ram Prasad Kichlu, M.A., LL.T.

Assistant Secretary.

Ram Naresh Lal, M.A., LL.B.

SECRETARIAT

Chief Secretary, K. P. Bhargava, I.C.S.
Finance Secretary, B. G. Rau, I.C.S.
Secretary, Public Works Dept., B. P. Bagchi, I.C.S.
Secretary Home Department, Girijapati Mukharji, I.A.S.
Revenue Secretary, Zahurul Hasan, I.A.S.
Judicial Secretary and Legal Remembrancer, Dwijendra Nath Roy, M.A., LL.B.
Secretary, Legislative Department, Jagbans Kishore Tandon, B.A., LL.B.
Secretary, Education Department, Krishan Chand, I.C.S.
Secretary, Information, Medical, Public Health and Food and Civil Supplies, Trimbak Lal Mahendra, I.A.S.
Secretary, Local Self-Government, Kuldip Narayan Singh, I.A.S.
Secretary, Industries, Labour and Excise, I. D. N. Sahi, I.C.S.
Secretary, Planning and Agriculture, Irrigation and Co-operative Departments, A. N. Jha, I.C.S.
Secretary, Relief and Rehabilitation and Evacuee Property Dept., Raghubir Saran Das, I.A.S.

DEPUTY SECRETARIES

Deputy Secretary, Chief Secretary's Branch, Hari Krishna Tandon, I.A.S.
Finance, Bharat Narain, M.Sc.
Public Works Department, Lakshman Das Bhargava, M.A., LL.B.
Home, T. R. Barker, B.Sc.
Home, Shyam Narayan Mehrotra, M.Sc.
Revenue, Reoti Raman Mathur, M.A., B.Com.
Revenue, Dashrath Singh, M.A., LL.B.
Judicial Branch and Deputy Legal Remembrancer, Ram Nath Sharma, M.A., LL.B.
Addl. Deputy Secretary, Judicial Branch and Addl. Legal Remembrancer, Hari Krishna Sinha, B.A., LL.B.
Addl. Deputy Secretary, Judicial Branch and Addl. Dy. Legal Remembrancer, Randhir Narain Mehra, M.A., B.Sc., LL.B.
Planning, K. A. P. Stevenson, I.A.S.
Agriculture, Pooran Chandra Pande, M.Sc.
Planning, T. D. Pande, M.Sc.
Industries, Santosh Kumar Chaudhri
Medical and Health, S. K. Sarkar, I.A.S.

HEADS OF DEPARTMENTS

Accountant-General (Central), C. S. Rao.
Commissioner of Income-tax (Central), B. M. Sen Gupta, B.A.
Postmaster-General (Central), C. V. Cunningham, M.A., I.P.S.
Chief Conservator of Forests, Raj Narain Singh, I.P.S.
Chief Engineer, Madhab Singh Bisht, C.E. (Buildings and Roads); Akhli Chandra Mitra, B.Sc., M.I.E., M.A., S.O.C., C.E., I.S.E. (Irrigation Department); Nripendra Nath Chakravarti, M.I.E.E. (London) (Electricity Department).
Chief Inspector of Factories, Guru Dutt Bishnoi, B.Sc. (Eng.), A.M.I.E.
Commissioner of Labour, Onkar Nath Misra, I.A.S. (Controller of Rationing), Commissioner for Food and Civil Supplies, Trimbak Lal Mahendra, I.A.S.
Custodian of Evacuee Property, Raghunath Prasad Varma, B.A., LL.B.
Director of Agriculture, Dr. Sant Bahadur Singh, M.Sc., Ph.D. (Cantab.).
Director of Animal Husbandry and Veterinary Services, Dr. Ram Lal Kaura, D.V.M., M.R.C.V.S.
Director of Education, Bhairav Nath Jha, B.Sc., LL.B., Ed (Edin.).
Director of Excise and Prohibition, Virendra Vikram Singh, I.A.S. (Excise Commissioner).
Director of Government Printing and Stationery, Moni Gopal Shome (Superintendent, Printing and Stationery).
Director of Industries, Lalit Mohan Bhatia, I.A.S.
Director of Public Health, Dr. A. N. Chopra, M.B.B.S., D.T.M., D.P.H. (Eng.), I.M.S. (Retired).
Director of Publicity, Trimbak Lal Mahendra, I.A.S.
Inspector-General of Police, T. P. Bhalla, I.P.
Inspector-General of Prisons, A. R. Sinclair Day.
Registrar of Births & Deaths, Trimbak Lal Mahendra, I.A.S.
Registrar of Companies, Subhrendu Bhushan Banerji, M.A., LL.B., P.C.S. (Settlement Commissioner), Relief and Rehabilitation Commissioner, K. P. Bhargava, I.C.S.
Superintendent of Census, Rajeshwari Prasad, I.A.S.

NORTH-EASTERN RAILWAY

(Gorakhpur)

Gen. Mgr., B. Arora.
Chief Engineer, R. H. Henry
Controller of Stores, D. McAlpine

Judicial Department

(HIGH COURT OF JUDICATURE AT ALLAHABAD).

Mr. Justice Bidhubhusan Malik, M.A. (Bar-at-Law)	Chief Justice.
Mr. Justice O. H. Mootham, Bar-at-Law (E.D.)	Judge
Mr. Justice Raghubar Dayal, M.Sc., I.C.S.	Do.
Mr. Justice Harish Chandra, M.Sc. (Bar-at-Law), I.C.S.	Do.
Mr. Justice Mubashir Hussain Kidwai, M.A. (Cantab.), Bar-at-Law	Do.
Mr. Justice Chandra Bhan Agarwala, M.A., B.L.	Do.
Mr. Justice Manu Lal Chuni Lal Desai, B.A. (Cantab.), I.C.S.	Do.
Mr. Justice Vashistha Bhargava, I.C.S.	Do.
Mr. Justice Brij Mohan Lal, B.A., LL.B.	Do.
Mr. Justice Ram Narain Gurtu, B.A. (Oxon.), Bar-at-Law	Do.
Mr. Justice Nasirullah Beg, M.A. (Cantab.), Bar-at-Law	Do.
Mr. Justice Basudeva Mukerji, M.A., LL.B.	Do.
Mr. Justice Mieri Lal Chaturvedi, B.A., LL.B.	Do.
Mr. Justice Hari Shankar Chaturvedi, B.A., LL.B.	Do.
Mr. Justice Atma Charan, I.C.S.	Do.
Mr. Justice Randhir Singh, B.Sc., LL.B.	Do.
Mr. Justice Har Nath Prasad Asthana, M.A., LL.B., Bar-at-Law	Do.
Mr. Justice Dwijendranath Roy	Do.
Jagat Narayan, I.C.S.	Registrar.
G. D. Sahgal, M.A., B.Sc., LL.B.	Joint Registrar.
Brigu Narai, B.A., LL.B.	Deputy Registrar.
Girdhari Krishna Narain	Do.
Shambhu Nath Srivastava, B.A.	Do.
Kashinath Tewari, B.A., LL.B.	Assistant Registrar.
Kanhaiya Lal Misra, B.A., LL.B.	Advocate-General.
Dr. M. H. Faruqi, M.A., LL.B. (Ph.D.), Bar-at-Law	Govt. Advocate.
Prithwi Nath Chaudhri, B.A., LL.B.	Additional Government Advocate.
Debi Prasad Uniyal, M.A., LL.B.	Dy. Do.
Sri Ram, B.A., LL.B.	Addl. Dy. Do.
Jewan Ram Bhatt	Asst. Do.
Shankar Sahai Sakseena	Do.
C. S. Saran, Bar-at-Law	Law Reporter.
Yadikhar Hussain, B.Sc., LL.B.	Law Reporter, Lucknow Bench.
J. C. Mukerji, B.A., LL.B.	Junior Law Reporter.
Janki Prasad	Temp. Jr. Law Reporter
J. K. Srivastava, B.A., LL.B.	Administrator-General & Official Trustee.
Kedar Nath Ghosh	Secy. to C. J.

UNIVERSITIES

Agra University

Affiliating, Colleges 62, Students 25,100 (approx.).

Aligarh University

Residential, Students 4,800 (approx.).

Allahabad University

Unitary, teaching, residential; Colleges 3, Students 5,750 (approx.).

Banaras Hindu University

Residential; Constituent Colleges 14, affiliated colleges 5, Students 8,250 (approx.)

Roorkee University

Residential, Students 210 (approx.).

COLLEGES

Agra University:

Agra College, Agra.
Agricultural College, Kanpur.
A. K. College, Shikohabad.
Balwant Rajput College, Agra.
Barham College, Aligarh.
Bareilly College, Bareilly.
Bundelkhand Degree College, Jhansi.
Christ Church College, Kanpur.
Christian College, Indore.
Darbar College, Indore.
D. A. V. College, Ajmer.
D. A. V. College, Kanpur.
D. A. V. College, Muzaffarnagar.
Dayanand Vedic College, Oral.
Devi Lal Shah Gangola Degree College, Almora.
Dharmaram College, Aligarh.
Digambar Jain College, Baraut.
Engineering College, Dayalbagh, Agra.
Faizabad Degree College, Faizabad.
G. F. College, Shahjahanpur.
Govt. College, Ajmer.
Gokal Dass Hindu Girls' College, Moradabad.
G. K. Medical College, Gwalior.
Govt. Hamidia College, Bhopal.
Hindu Degree College, Moradabad.
Holkar College, Indore.
Jat Vedic Agricultural College, Baraut.
K. E. M. U. Jat College, Lakhanoti.
K. G. K. College, Moradabad.
Kishori Raman College, Mathura.
K. N. College, Gyanpur (Banaras).
K. B. Girls' College, Gwalior.
Madhava College, Ujjain.
Maharaja's College, Chhatarpur.
M. B. College of Agriculture, Gwalior.
Meerut College, Meerut.
M. G. M. Medical College, Indore.
M. M. H. V. College, Ghaziabad.
M. P. College, Gorakhpur.
N. R. E. C. College, Khurja.
Nanak Chand Anglo-Sanskrit College, Meerut.
Radhaswami Educational Institute, Dayalbagh Agra.
Ragunath Girls' College, Meerut.
Raza College, Rampur.
Satish Chandra College, Ballia.
Savitri Girls' College, Ajmer.
S. D. College, Muzaffarnagar.
Shibli National College, Azamgarh.
Shri Saraswati Vidyalyaya Degree College, Hapur.
S. M. College, Chandauli.
S. N. Medical College, Agra.
St. Andrew's College, Gorakhpur.
State Government's Degree College, Nainital.
St. John's College, Agra.
Subhash National College, Unnao.
T. D. College, Jaunpur.
The College of Vet. Science and Animal Husbandry, Mathura.
Victoria College, Gwalior.
V. S. S. D. College, Kanpur.
Women's Training College, Dayalbagh, Agra.
Y. D. College, Kheri.

Banaras Hindu University:

Central Hindu College, Banaras.
College of Agriculture, Banaras.
College of Ayurveda, Banaras.
College of Indology, Banaras.
College of Mining and Metallurgy, Banaras.
College of Music and Fine Arts, Banaras.
College of Science, Banaras.
College of Technology, Banaras.
Engineering College, Banaras.
Law College, Banaras.
Sanskrit Mahavidyalaya, Banaras.
Teachers' Training College, Banaras.
Women's College, Banaras.
Basant College for Boys, Raighat, Banaras.
D. A. V. College, Banaras.
Harish Chandra College, Banaras.
Udal Partap College, Banaras.
Vasanta College for Women, Banaras.

Aligarh Muslim University:

Women's Muslim College, Aligarh.

Allahabad University:

Agricultural Institute, Allahabad.
Chaudhary Mahadeo Prasad Degree College, Allahabad.
Ewing Christian College, Allahabad.

Lucknow University:

Isabella Thoburn College, Lucknow.
Kanya Kuber College, Lucknow.
Karamat Hussain Girls' College, Lucknow.
Lucknow Christian College, Lucknow.
Mahil Vidyalyaya College, Lucknow.
Shia College, Lucknow.

MERCHANTS' CHAMBER OF U. P., KANPUR

The Merchants' Chamber of U. P. was established in November 1932, with the object of safeguarding the interests of trade and industry in Uttar Pradesh, providing regular and efficient statistical and intelligence service to the business firms and generally helping the promotion of trade and business in Uttar Pradesh through proper organisation of commercial opinion.

The Chamber represents almost entirely Indian capital and has affiliated to its membership, Cotton Mills, Sugar Mills, Jute Mills, Silk weaving and Hosiery works, Oil Mills, Banks and Firms engaged in extensive dealings in Piece-goods, country produced Hide and Leather. Ten Commercial Organisations and Trade Associations of the State are also affiliated to the Chamber.

The Chamber maintains a ceaseless channel of correspondence with the Central and State Governments and the various Railways on all points of commercial grievances, whether of general or of specific interest. It issues every month an English and Hindi Bulletin to its members who are scattered over the entire State. The report of the activities of the Chamber is a regular feature of the daily press of the State.

The Chamber is represented on the Court of the Lucknow University, Rly. Advisory Committee, State Economic Advisory Board, State Board of Agriculture and Animal Husbandry, Kanpur Municipal Board, and about 15 other spheres of public service. The constitution of the Chamber which is registered under the Indian Companies Act, 1913, with a licence under Section 28, provides for an Executive consisting of a President, a Vice-President and 19 Members of the Council. A wholtime Secretary is attached to the Council.

President:—Kishan Narain.

Vice-President:—Shanti Narayan.

Secretary:—J. V. Krishnan, M.A., B.Com.

Asst. Secretary:—R. Chandra, M.A., B.Com.

Head Asst.:—Shri Ram, B.Com.

Office:—15/57, Civil Lines, Kanpur.

Grams:—"Merohan."

Phone:—Kanpur No. 2469.

U. P. CHAMBER OF COMMERCE, KANPUR

The U. P. Chamber of Commerce established in 1914, represents all the important commercial and industrial interests of Uttar Pradesh. The Chamber is recognised both by the State and Central Governments.

It is represented on the Kanpur Municipal Board, Local Telephone Advisory Committee, Regional Employment Advisory Committee, U. P. Provincial Economic Advisory Board, Advisory Committee for Central Textile Institute, Forest Utilization Advisory Board, Board of Communications, U. P., Court of the Lucknow University, Railway Rates Advisory Committee (Trade Panel Raw Cotton) Regional Posts and Telegraphs Advisory Committee, Advisory Committee attached to the H. B. Technological Institute, Kanpur, Board of High School and Intermediate Education, U. P., and various other public bodies in the State.

The Chamber is affiliated to the Federation of Indian Chambers of Commerce and Industry as also to the National Committee of the International Chamber of Commerce.

The number of members on register is 290

Office-bearers:

President: J. K. Srivastava, B.Sc. (Tech.), A.M.C.T., A.T.I.

Senior Vice-President:—D. P. Singh.

Junior Vice-President:—Gajanan Sutwala.

Hon'y Secretary:—P. K. Menon.

Hon'y Jt. Secretary:—B. P. Newatia.

Assistant Secretary:—P. K. Menon, B.A.

Technical Adviser:—S. R. Rallan, B.Com. (Birmingham).

Address:—15-197, Civil Lines, Kanpur.

ALL INDIA CRIME PREVENTION SOCIETY

Office:—Old Post Office Building, Hazratganj, Lucknow.

The Society was formed to co-ordinate methods of crime prevention in all the States in India and to introduce latest scientific and psychological methods for crime prevention in the country.

The Central Government has issued a circular to all the States requesting them to help the Society and keep it posted about their crime prevention measures. Two States, viz., U. P. and Bihar have become contributory members of the Society paying Rs. 2,000 each. Others are expected to follow. Public subscription and State donation are the main sources of income of this Society.

President:—Paripurband Varma, M.L.A.

BHARATA GANITA PARISHAD

(FORMERLY BENARES MATHEMATICAL SOCIETY)

Address:—Lucknow University, Lucknow.

Founded in 1918 for the encouragement and promotion of research in the various branches of Pure and Applied Mathematics, and in the History of mathematics. It publishes a journal entitled *The Proceedings of the Benares Mathematical Society*, now called *Ganita* in which original papers on Mathematics, Statistics, and history of mathematics are published. It also maintains a library. There are over 120 members in India and abroad. Annual Subscription for members is Rs. 5. Price of Journal Rs. 10 (in India) or 15 Shillings or 3 dollars (Foreign).

President:—Dr. Gorakh Prasad.

Vice-Presidents:—Dr. R. D. Misra, Prof. R. Vaidyanathswami, Prof. Chandi Prasad.

Secretary:—Dr. R. S. Mishra.

Jt. Secretary:—Dr. A. Sharma.

Editorial Secretary:—Dr. S. K. Bose.

Treasurer:—U. K. Shukla.

Librarians:—Dr. B. Mohan and K. S. Shukla.

CAWNPORE CLUB LTD.

Membership: (1) *Ordinary Members.* *Entrance Fees:* Rs. 100, monthly subscription, Rs. 20; (2) *Temporary Members.* No entrance fees. Rs. 5 per day with a maximum of Rs. 30 per month.

(3) *Service Members.* No entrance fees. Confined to officers below the rank of Lt.-Col or equivalent. Monthly subscription Rs. 12

CAWNPORE SUGAR MERCHANTS' ASSOCIATION

(51-57, Collector Ganj, Kanpur).

Secretary: T. Prasad.

EMPLOYERS' ASSOCIATION OF NORTHERN INDIA

(14-77, Civil Lines, Kanpur).

Secretary: C. V. Kinsville.

INDIA VILLAGE SERVICE (Mainpuri)

The aim of the service is to enable the village people to realize their needs by living and working among them. The programme of work

includes health, sanitation, agriculture, hand-work, child care, literacy, citizenship, etc.

The service has at present a staff of eight both men and women, and is located in three different areas: Marchra (Dist. Etah), Fatepur (Dist. Lucknow), Chamkari (Dist. Etah). Enquiries, however, should be sent to Marchra. Funds are largely raised from private sources both in India and abroad.

Director: Dr. William H. Wiser.

NATIONAL ACADEMY OF SCIENCES, INDIA

(Lajpat Rai Road, Allahabad 2)

The National Academy of Sciences, India, Allahabad, was founded on the 4th of December 1930 by Professor M. N. Saha, D.Sc., F.R.S., F.N.I., F.N.A.Sc., as the Founder with eighteen other prominent scientists as Founder Fellows. It was registered under the Registration Act, XXI of 1860, on the 4th of December 1930.

The affairs of the Academy are managed by a Council which consists of a President, two Vice-Presidents, an Honorary Treasurer, two General Secretaries, a Foreign Secretary, and nine other members.

Annual subscription for Ordinary Member is Rs. 25.

Fellows whose number is not to exceed 150, are elected from among persons of distinction in scientific work. Fellows are regarded as Ordinary Members in matters of payment of subscriptions and exercise of privileges.

President: Professor Shri Ranjan. M.Sc. (Cantab.), D.Sc. (State-France), F.N.I., F.N.A.Sc.

Vice-Presidents: Professor N. R. Dhar, D.Sc. (London & Paris), F.R.C. (London), F.N.I., F.N.A.Sc., I.E.S. (Retd.), Professor D. S. Kothari, Ph.D. (Cantab.), F.N.I., F.N.A.Sc.

Honorary Treasurer: Dr. R. K. Saxena, D.Sc. (Paris), F.N.I., F.N.A.Sc.

Foreign Secretary: Professor D. R. Bhatlacharya, Ph.D., D.Sc., F.Z.S., F.N.I., F.N.A.Sc.

General Secretaries: Professor S. Ghosh, D.Sc., F.R.C., F.N.A.Sc., Professor R. C. Majumdar, Dr. Phil. Nat. (Jena), F.N.I., F.N.A.Sc.

THEOSOPHICAL SOCIETY

(Banaras 1)

General Secretary: Rohit Mehta

UPPER INDIA CHAMBER OF COMMERCE

(14-69, Civil Lines, Kanpur).

Secretary: Miss D. Seaton.

WEST BENGAL

Area: 30,775 sq. miles; Population: 24,810,308; Males: 13,345,441; Females: 11,464,867; Hindus: 19,510,060; Muslims: 4,927,163; Scheduled Castes: 4,696,205; Urban: 6,153,263; Rural: 18,657,045.

Capital: Calcutta.

There are two Divisions in the State, the Burdwan Division and the Presidency Division.

The Districts in the Burdwan Division with their headquarters in brackets are as follows:

Bankura (Bankura), Birbhum (Suri), Burdwan (Burdwan), Hooghly (Chinsura), Howrah (Howrah), Midnapur (Midnapur).

The Districts in the Presidency Division with their headquarters in brackets are as follows:

Calcutta, Cooch-Bihar (Cooch-Bihar), Darjeeling (Darjeeling), Dinajpur (Balurghat), Jalpaiguri (Jalpaiguri), Malda (English Bazar), Murshidabad (Berhampur), Nadia (Krishnanagar), 24-Parganas (Alipur).

The boundaries of the present State as between East and West were fixed by the Radcliffe award.

District-wise, the whole of Burdwan, Birbhum, Bankura, Hooghly, Howrah, Midnapur, Calcutta, 24-Parganas, Murshidabad and Darjeeling Districts and parts of Nadia, Malda, Jalpaiguri and Dinajpur Districts are in West Bengal.

The 24-Parganas District includes the two P.S. of Jessore, Bongaon and Gaighata, that is 10.94 per cent of the area and 7.28 per cent of the population of Jessore.

Of Nadia District 47.75 per cent of the population and 52.34 per cent of the area, of Malda 68.50 per cent of the population and 60.41 per cent of the area, of Jalpaiguri 77.62 per cent of the population and 81.67 per cent of the area, and of Dinajpur 80.28 per cent of the population and 85.14 per cent of the area are in West Bengal (percentage based on 1941 census).

Cooch-Bihar was merged with West Bengal in January 1950.

POPULATIONS OF DISTRICTS

Burdwan 2,191,667; Birbhum 1,066,889; Bankura 1,319,259; Midnapur 3,359,022; Howrah 1,611,373; Hooghly 1,554,320; 24-Parganas 4,609,309; Calcutta 2,548,677; Nadia 1,144,924; Murshidabad 1,715,759; West Dinajpur 720,573; Malda 937,580; Jalpaiguri 914,538; Darjeeling 445,260; Cooch Behar 671,158.

AGRICULTURE

The figures are for 1952-53.

Area in acres: 19,641,100; area under forest: 1,711,700; not available for cultivation: 3,218,700; uncultivated besides current fallows: 1,839,000; current fallows: 1,132,800; net area sown: 11,730,000; area sown more than once: 1,504,200; total cropped area: 13,234,200.

Area and production of principal crops are as follows:

	Area (000 acres)	Production (000 tons)
Winter rice	8,801.6	3,484.7
Autumn rice	1,356.8	447.1
Summer rice	48.5	18.3
Total rice	10,206.9	3,950.1
Wheat	106.4	35.3
Pulses (including gram)	1,548.4	390.7
Oilseeds (including til)	323.8	59.3
Potato	100.4	421.1
Sugarcane	52.3	1,038.3
Jute	836.3	2,412.6
Tobacco	40.2	12.8

The figures for jute are in bales.

The amount of sugarcane in maunds was 217,014.75 and of molasses 97,955.65.

Under the Grow-More-Food campaign the number of small irrigation schemes rose to 920 benefiting an area of 272,770 acres and the additional quantity of foodgrains produced

was 27,641 tons. The area of wasteland reclaimed was 6,404, and the additional foodgrains 4,482 tons.

The quantity of ammonium sulphate distributed was 8,168, and extra production 35,376 tons; of super-phosphates 741 tons, extra production, 1,786 tons; of bone meal 3,045 tons, extra production 3,591 tons; of green manure 52 tons, extra production, 277 tons; of town compost 19,156 tons, extra production 1,419 tons; of village compost 102,827 tons, extra production 3,808; of improved paddy seeds 1,134 tons, extra production 6,048 tons.

There are 524 demonstration centres for the Japanese method. It is estimated that the adoption of this method has given an extra production of 100 per cent over the State average of 16.1 maunds to the acre. On this basis there will be an extra one million tons of paddy through this process.

The total acreage under the Japanese method is 61,839.

Total bovine live-stock: 11,024,304; of this male cattle: 5,354,599; female cattle: 5,050,544; male buffaloes: 429,039; female buffaloes: 190,122.

A zamindari abolition bill has been passed into law.

Four fundamental principles of the Bill are: All land shall belong to Government; there will be no intervening rent-receiving interlofers, and lands will be held by the tillers of the soil; the State will eliminate and acquire all zamindari and intermediate rent-receiving interests in lands and similar interest in mines; certain types and quantities of land will be allowed to be retained under tenancy directly under Government on payment of rent. Homesteads will be allowed to be retained free of rent.

An intermediary will be allowed to retain among other things agricultural land in khas possession upto 25 acres, non-agricultural land in khas possession upto a limit of 15 acres but not exceeding 20 acres including homestead land.

Payment of compensation will be made as follows:

For the first Rs. 500 or less, 20 times of such net income; for the next 500 or less 18 times, for the next 1,000 or less, 17 times; for the next 2,000 or less 12 times; for the next 1,000 or less, 10 times; for the next 15,000 or less, 6 times; for the next 80,000 or less, 3 times; for the balance, 2 times.

Payment will be made partly in cash and partly in non-negotiable annuity bonds at 3 per cent per annum and payable in 20 equal annual instalments.

FOOD

The net availability of cereals in West Bengal is 3,402,000 tons, the requirement is 3,965,000 tons. The annual deficit is about 563,000 tons.

The State plans to get an extra 545,000 tons of rice by 1955-56. If the people agree to take 300,000 tons of wheat the food deficit may be wiped out by the end of the Five-Year Plan. As long as rationing continues in Calcutta, the State will get 360,000 tons of rice from the Centre.

Statutory food rationing was first introduced in West Bengal on Jan. 31, 1944 with a basic scale of 4 srs. per adult per week. The total cereal scale in 1954 was 2 srs. 10 chs., the rice ration was 1 sr. 5 chs.

The rate for all qualities of rice was about Rs. 21-4-0 from January to November 1953.

From Jan. 1, 1953 all intra-district and inter-district cordons were abolished. Rice mills were allowed to sell only one-third of their produce to Government instead of the whole, and only farmers owning 10 acres or more were brought under a levy system requiring them to surrender their surplus to Government.

Flour was decontrolled in Oct. 1952. The Asansol and Kharagpur areas were derationed in Dec. 1952.

Quantitative restrictions on the sale of wheat was withdrawn from Oct. 5, and wheat was completely decontrolled from Jan. 18, 1954.

The levy stem was abolished on Oct. 14, 1953.

To give the people of the Calcutta industrial area additional benefit in the shape of supply of good rice free market shops were introduced in 1953 through which different varieties of rice within the quota were sold.

IRRIGATION

Out of the 59 projects provided in the Five-Year Plan 55 have been completed.

The total cost of the schemes completed was over Rs. 7 crores and the area benefited over 473,000 acres.

The biggest of the schemes is the Mayurakshi. It will irrigate 600,000 acres in the kharif season and 120,000 acres during the rabi season in the Districts of Birbhum, Murshidabad and Burdwan; and 30,000 acres in the kharif season and 2,500 acres in the rabi season in the District of Santhal Parganas in Bihar. At the beginning of 1954 it irrigated 100,000 acres.

About 2,000 kW of firm electric power will be generated and an additional 2,000 kW during the irrigation period.

The canal system will have 847.31 miles of canals of various sizes.

The Tilpara Barrage was started in 1948 and completed in June 1951. The cost of the barrage was Rs. 1.11 crores. Other barrages completed are over the rivers Bakreswar, Kopai, Dwarka. Upto Aug. 1953, 440 miles of canals had been excavated. The Chandrabhaga Aqueduct, the biggest and most difficult crops drainage structure in the Mayurakshi project was completed during the monsoon of 1953.

	When completed or to be completed	Total cost (Rs. lakhs)	Area in acres benefited
Mayurakshi Reservoir	1954-55	15.50-00	600,000
Harahatuganj Drainage	1952-53	10.73	16,000
Beral Canal	1952-53	18.32	5,000
Jibanti-Banki	1951-52	3.11	6,400
Jampol	1951-52	0.51	800
Soadighi Gangakhali	1952-53	24.84	29,400
Jhargram	1952-53	9.39	5,000
Suvankar Daura	1952-53	13.20	6,000
Trans-Damodar	1952-53	4.15	32,900
Saraswati	1952-53	4.34	7,100
20 Minor Schemes	1952-53	5.34	59,700
Procurement Bonus	1952-53	21.17	84,900
23 Emergency Schemes	1952-53	13.84	67,900
New Minor Schemes	1952-53	1.69	13,700
Excavation of Nonaganj river	1952-53	4.25	4,900
Sonarpur-Arapanaj-Matia	1955-56	105.00	46,400
Bagjola-Ghuni-Jatragachi	1955-56	99.00	25,600
Total*		1941.20	1,005,500

* Includes items not listed above. † Also called West Dinajpur.

DAMODAR VALLEY CORPORATION

The Damodar Valley Corporation Act was passed in March 1948, and the Corporation itself came into existence on July 7.

The whole project is divided into two phases. The first phase comprises four dams, Tilaiya, Konar, Malihon and Panchet Hill with hydro-electric stations attached to each, a thermal power station at Bokaro with an ultimate capacity of 200,000 kW, a transmission and distribution system which includes 510 route miles of transmission, an irrigation barrage at Durgapur with a net-work of canals totalling 1,562 miles and provision of navigation facilities.

The rest of the four dams Balpahari, Bokaro, Aiyar and Bermo with hydro-electric stations form the second phase.

The total cost of the first phase would be around Rs. 88 crores. The share of the three participating Governments is as follows: Govt. of India Rs. 22 crores; Government of Bihar Rs. 15 crores; Government of West Bengal Rs. 51 crores.

The total capital expenditure incurred upto the end of 1951-52 was Rs. 28.07 crores; the revised estimated expenditure for 1952-53 was Rs. 17.83 crores, the D.V.C.'s budget estimates for 1953-54 was Rs. 16.84.

Of the projects in the first phase the Tilaiya Dam and the Bokaro Thermal Station were opened on Feb. 21, 1953. Konar and Malihon and the Durgapur Barrage are expected to be finished in 1954 and Panchet Hill in 1955.

The benefits from the first phase are estimated to be of this nature: extra food worth Rs. 30.48 crores, extra jute Rs. 3.60 crores, sale of power Rs. 1.18 crores.

Tilaiya Dam was begun in January 1950 and completed in Sept. 1952. Of the two 2,000 kW generators the first was opened on Feb. 21, 1953. The total area irrigated will be 98,000 acres a year. The hydro-electric output 22,770,000 kW hours per annum.

The Bokaro thermal station is the biggest electrical plant in India. It is designed with an ultimate installed capacity of 200,000 kW.

Konar Dam will provide rabi irrigation for 68,000 acres and kharif for 36,000 acres. The hydro-electric plant has 40,000 kW capacity. The dam was started in the middle of 1952 and will be completed in 1954.

The Malihon Dam is designed primarily for flood control. The attached generating station has an installed capacity of 60,000 kW. The area irrigated will be 270,000 acres.

Panchet Hill the fourth of the dams is also designed primarily for flood control. The attached electric plant has a 40,000 kW capacity. The area irrigated will be 683,850 acres.

FORESTS

The forests with a total area of 2,680 sq. miles lie chiefly in the Districts of Darjeeling, Jalpaiguri, Cooch-Bihar, and in the Sundarbans. The forests in the north represent about 90 per cent of the income from forests. Transport is the chief problem as the consuming areas are in the south-west: there is no direct link between Silliguri and Calcutta. The Sundarbans forest produce chiefly fire-wood.

The principal products are timber, fire-wood and charcoal.

The average annual production is about 26.13 lakh cubic feet of round timber; 24.14 lakh cubic feet of poles; 0.79 lakh cubic feet of sawn timber and 226.77 lakh cubic feet of fuel.

Other forest produce are about 8.5 lakh bamboos, 22,300 loads of cane, 13 lakh cubic feet of stones, 5,820 maunds of honey, 1,807 maunds of wax and 2 lakh bales of thatching grass.

* Of proper mill-size 36.

INDUSTRY

Agriculture is the principal industry of West Bengal. Industry proper is comprised largely of jute, tea (confined to Jalpaiguri, Dooars, Darjeeling), coal mining and sugar.

There are about 200 textile mills* with about 350,000 workers, about 100 jute mills with over 300,000 workers, about 650 engineering works with 95,000 workers, about 1,400 other factories with 235,000 workers.

Then there are the cottage industries.

Government help takes the form of assistance to private industries, training and research, and the creation of wider market for finished goods.

In the matter of assistance to private industries, Government acquires land, obtains controlled material, aids export and import and grants long-term industrial loans.

Vocation training is given in Government and aided institutions. Of the latter there are 75. Under the Government of India's scheme for training civilian adults 2,380 boys are trained every year.

The Industries Directorate has taken up four schemes for developing cottage industries. They include utilization of oil products, development of pottery, bee-keeping and match industry.

At Jalpaiguri there is demonstration in sericulture. In Calcutta there is a silk conditioning house. Training in sericulture is given at the Government Institute at Berhampur, where upto March 1953, 12,000 persons have received training in various trades and professions.

The number of industrial co-operatives is over 900 with a membership of 67,975 upto June 1952. Their total working capital was Rs. 13.32 lakhs, and the proceeds from the sale of goods amounted to Rs. 70 lakhs.

There are 8 sericulture nurseries and 23 silk artisans societies where about 806 artisans work. They produced 70,000 sq. yd. of silk fabric in 1952-53.

There were 4 industrial centres in 1952-53, in which 210 workers produced 66,000 yards of cloth, khadi amounted to 76,616 sq. yd.

Palm gurt produced by the Directorate amounted to 987 maunds. Hand-made paper totalled 263 reams.

CO-OPERATION

Total no. of societies at end of 1953: 16,325, total membership: 1,000,576; total working capital: Rs. 19.50 crores.

There is one Apex Bank, 40 Central Banks, one Banking Union, 8 Land Mortgage Banks on the District level, and 10,465 primary credit societies on village level. The total membership of primary agricultural credit societies is 240,000.

Crop loans for agricultural operations: Rs. 81 lakhs; Long-term loans by Land Mortgage banks: Rs. 2.50 lakhs from June 30, 1952 to June 30, 1953.

Total working capital of Provincial and Central Banks and of agricultural credit societies: Rs. 7.52 crores.

Of the non-agricultural credit societies, there were on June 30, 1953, 415 urban credit societies with a total membership of 290,000 and a total working capital of Rs. 8.78 crores. The loans issued in 1951-52 amounted to Rs. 7.36 crores.

Among agricultural non-credit societies there were 822 irrigation societies, 44 agricultural associations and farming societies, 17 marketing societies, 8 vegetable growers' societies, one ganja farming society, 168 milk societies, 2 cardamom growers' societies and 1,693 multi-purpose societies.

The irrigation societies irrigate 45,000 acres of land; the farming societies jointly cultivate 4,000 acres; the production of the ganja society amounted to Rs. 2.08 lakhs in 1951-52. The out-turn of the milk societies was Rs. 4.89 lakhs.

The multi-purpose societies excavate lands and canals, supply seeds and manures, issue crop loans, farm, colonize, buy and sell. The total out-turn in 1951-52 was Rs. 223.96 lakhs.

In the handloom industry there were 19 industrial unions on the district level, 921 weavers' societies on the village level and two provincial societies for marketing handloom products. The working capital of the unions was Rs. 12.83 lakhs.

There were 921 weavers' societies with a membership of 67,975. The total sale by the Weavers' Societies in 1952 was Rs. 69.50 lakhs. The working capital of the weavers' societies amounted to Rs. 13.32 lakhs.

Other societies are Conchmakers' societies 5, Cocoon Reapers' and Reelers' societies 23, Bell metal workers' societies 23, silk societies 2, brazier societies 4, bidi production societies 4, fishermen's societies 275 (membership 16,825, working capital Rs. 3.39 lakhs, sale Rs. 6.32 lakhs).

Transport societies 12, medical and health societies 3, rural reconstruction and better living societies 688.

Colony societies 128 (working capital Rs. 35.09 lakhs).

Co-operative insurance societies 9 (sum assured Rs. 484.16 lakhs).

The Co-operative Milk Societies Union Ltd. Calcutta, supplies about 2,000 maunds of milk monthly in the city. The working capital is Rs. 6.73 lakhs.

All the sections of the Haringhata Live-stock Improvement Station are now in operation. The cattle section has 1,620 head of cattle which yield about 40 maunds of milk a day. In 1953-54 about 200 breeding bulls were expected to be supplied for breeding purposes. The poultry section has a strength of 1,000 layers. About one lakh eggs and 7,000 breeding stock were expected to be supplied. In the goat section the work of selective breeding is in progress.

The dairy which has an up-to-date plant handles 250 maunds of milk a day. It also produces butter and ghee. There is also research work on the breeding and improvement of fodder crops.

The whole station runs at a profit.

The latest year for which fuller particulars than those given above are available is 1950-51.

No. of agricultural credit societies 9,523, no. of members 226,000; share capital Rs. 16,39,000; funds Rs. 41,80,000; working capital Rs. 1,14,00,000; loans made Rs. 33,26,000; value of goods marketed Rs. 31,000; rate of interest on borrowings 9½% on lendings 12½%.

No. of primary land mortgage banks 3; no. of members 1,664; share capital Rs. 64,000; funds Rs. 80,000; working capital Rs. 8,40,000; loans due at end of year Rs. 7,70,000.

No. of provincial banks 1; no. of offices 1. No. of member banks and societies 86; share capital Rs. 23,93,600; reserve fund Rs. 15,07,275; bad debt reserve Rs. 37,65,478; other funds Rs. 15,78,706; working capital Rs. 3,64,88,000; loans to individuals Rs. 1,61,000; loans to societies Rs. 27,00,000; investments Rs. 99,10,000; rate of interest on borrowings 2½% on lending 5%.

No. of Central Banks 40; no. of offices 40; share capital Rs. 16,20,000; reserve fund Rs. 14,90,000; bad debt reserve Rs. 14,00,000; other funds Rs. 4,60,000; working capital Rs. 1,95,000; no. of individual members 1,822; no. of member banks and societies 9,402; loans advanced to individuals Rs. 3,90,000; loans advanced to societies and banks Rs. 56,10,000; investments Rs. 60,00,000; rate of interest on borrowings 1 to 5½% on lendings 9½% to 10 to 15/16%.

No. of non-agricultural credit societies 398; no. of members 2,84,300; share capital Rs. 1,82,50,000; funds Rs. 1,02,40,000; working capital Rs. 8,45,00,000; loans due at end of year Rs. 9,49,00,000; value of goods marketed Rs. 15,00,000.

The position about agricultural non-credit societies is as follows:

No. of purchase and sale societies 16; of production and sale societies 1,789; of production societies 929; of social services societies 696; of housing 6; total no. of societies 3,436; total no. of members 226,400; share capital Rs. 27,82,000; funds Rs. 10,11,000; working capital Rs. 86,00,000; loans Rs. 10,00,000; value of goods sold Rs. 1,98,00,000.

The position about non-agricultural non-credit societies is as follows:

No. of purchase and sale societies 394; of production and sale societies 1,457; of social services societies 45; of housing societies 111; of insurance societies 8; total no. 2,005; no. of members 199,000; share capital Rs. 20,00,000; funds Rs. 75,00,000; working capital Rs. 1,33,00,000; value of goods sold Rs. 1,45,00,000.

ROADS

There are six national highways in West Bengal. Calcutta-Delhi (152 miles), Calcutta-Bombay (90 miles), Bihar-Assam (181 miles), Siliguri-Gangtok (35 miles), Calcutta-Siliguri (203.5 miles), Calcutta-Bongaon.

The State highways cover a total route length of 746 miles.

The roads under the District Boards are as follows: 1,500 miles metalled, 15,000 unmetalled.

Then there are earth roads under union boards.

Mileage per thousand of population 0.57.

The roads' share in the Five-Year Plan is Rs. 13.85 crores. The plan includes the construction and improvement of 296 miles of national highways, 518 miles of State highways, 1,282 miles of major District roads, 196 miles of village roads. The State highways will claim 30 per cent of the funds, major District roads 64 per cent, village roads 6 per cent.

The programme of works also includes the construction of 50 major bridges, besides a large number of minor bridges and culverts.

COMMUNITY DEVELOPMENT PROJECTS

There are eight blocks. They are Barulpur in 24-Parganas, Saktigar in Burdwan, Ahmadpur in Birbhum, Muhammad Bazar in Birbhum, Nahat in Birbhum, Jhargram in Midnapur, Fulla in Nadia, Habra in 24-Parganas, Sonamukhi in Bankura, Dinhati in Cooch-Behar.

The area covered by the eight blocks is 697.8 sq. miles. The total number of families covered is 100,936 and the total population about 450,077.

The contribution from the local people is measured in terms of labour, cash or materials. The voluntary labour is estimated to be worth Rs. 1.90 lakhs, the cash contribution Rs. 99,000 and the value of the material donated Rs. 1 lakh. It is estimated that upto Nov. 30, 1953 the contribution of the local people was worth Rs. 4,06,000.

EDUCATION : 1953-54.

Budget for 1953-54 : Rs. 4,52,09,000.

No. of primary schools, 14,003; no. of pupils, 1,477,814; no. of teachers, 45,000.

No. of secondary schools (middle), 1,299; no. of pupils, 147,520.

No. of high schools, 1,168, no. of students, 434,312.

No. of colleges, 88; no. of students, 51,821.

No. of technical schools including weaving schools, 116; no. of students, 7,195.

No. of agricultural schools, 1; no. of students, 41.

No. of veterinary schools, 1; no. of students, 103.

No. of social education centres, 1,152; no. of persons attending them, 62,681.

No. of basic education centres, 113; no. of students attending them, 12,499.

Money spent on primary education, Rs. 1,31,00,000 (1952-53); on Basic Schools and Basic Training Schools, Rs. 18,75,000 (1952-53); on college education, Rs. 33,00,000; on research schemes, Rs. 1,01,000 (1952-53); on pre-Matric technical institutes, Rs. 1,75,000 (1952-53); on polytechnics and technical training centres, Rs. 6,79,000 (1952-53); on Sanskrit education, Rs. 1,38,000 (1952-53); on special stipends from primary to university, Rs. 11,72,000 (1952-53); on National Cadet Corps, Rs. 10,14,000 (1952-53); on physical education, Rs. 77,400.

A ten-year plan of free and compulsory primary education for the rural areas initiated in 1951-52 covered an area of 3,834.85 sq. miles catering for about 4-lakh children at a total additional cost of Rs. 11,17,300.

This scheme is going according to plan and one-fifth of the area of the State was covered in the first two years. There is now a scheme for opening 2,500 primary schools and the appointment of 10,000 primary school teachers. The Central Government will share 75 per cent of the expenditure.

There were in 1953-54, 118 Junior Basic Schools. The establishment of 77 new Basic Schools was sanctioned. The capital cost of each school is about Rs. 24,000. Upto 1953-54 about 1,400 Basic teachers were trained. The number of Basic Training Schools was 11.

About Social Education, there were 450 literacy centres and 350 complete centres maintained by Government besides 200 other centres run by aided voluntary organizations and 125 library centres for follow-on education. The total number of adults who attended these Government centres was 60,000.

Rs. 1.48 lakhs were spent on library centres, public libraries, folk recreational institutions.

About 600 all-wave radio sets were installed in adult education centres, public libraries, schools and colleges.

There were 37 pre-Matric industrial institutions.

There were also four polytechnics and three technical training centres. They provided one-year training course for about 1,500 trainees.

The polytechnics are: Asansol Polytechnic, Dhadka, Asansol; Sispore Polytechnic, Howrah; Jalpaiguri Polytechnic Institute, Jalpaiguri; Hooghly Institute of Technology, Hooghly.

The technical training centres are: Ramkrishna Mission, Shilpa Mandir, Belur, Howrah; Jadavpur Polytechnic, Jadavpur; Dum Dum Polytechnic, Dum Dum.

Three other institutes which provide diploma courses are located in Burdwan, Bankura and South Calcutta.

Sanskrit education is provided in three Government and 261 aided tolls.

There are 15 Senior Division Units of the National Cadet Corps and 165 Junior Division N.C.C.

HEALTH

Birth rate : 23.2; Death rate : 12.1; Infant mortality : 98.1; Maternal mortality : 5.7.

No. of hospitals : 457; no. of dispensaries : 740; no. of beds : 18,579; no. of T.B. hospitals : 10; no. of T.B. beds : 2,084; Rural health centres : 154; Rural health centre beds : 2,030; Maternity and child welfare centres : 32; Maternity homes : 4; Medical colleges : 4; no. of students in colleges : 3,640; Nursing training centres : 19; no. of students : 869; Pharmacy

training centre : 1; no. of students at the centre : 60; Mobile medical units : 206; no. of beds for treatment of leprosy : 933; for venereal diseases : 110.

No. of people tested in the B.C.G. campaign : 422,338; no. vaccinated : 132,401.

Drinking water is supplied in rural areas by sinking tube-wells which now number 4,709.

The total expenditure on health services (1953-54) : Rs. 4,69,15,000; per capita : Rs. 1-14-3.

REFUGEES AND REHABILITATION

Total no. upto Oct. 1953 : 2,585,974.

No. resettled : 1,462,175.

Total expenditure upto Sept. 1953 : Relief grants, Rs. 15,32,84,286; Rehabilitation grants, Rs. 4,44,87,633; Expenditure on loan schemes and advance loans, Rs. 17,31,31,575.

Expenditure in 1953 up to Sep. : Relief grants, Rs. 1,00,80,073; Rehabilitation grants, Rs. 42,73,144; Expenditure on loan schemes and advance loans, Rs. 83,16,675.

Total no. of refugees accommodated in camps and homes upto Oct. 1953 : about 65,000.

Total no. of unattached women together with old and disabled men and children sent to Permanent Liability Camps : about 35,000.

No. of families settled on khas mahal lands (upto Oct. 1953) : 9,005 (on 10,284 acres; each agr. family got 3½ acres, each non-agr. family got ½ acre).

No. of families settled on fallow or unused land : 13,035 agr and 36,110 non-agr.

No. of families absorbed through villages or houses under a Union Board : 11,899, no. absorbed through arrangement with landowner : 4,080.

Amount of land acquired through private negotiations by refugees : 59,261 plots (5 bighas per family) and 87,090 non-agricultural plots (6 cottahs per family).

Schemes for loans in rural areas include loans for land purchase; house-building; business or small trade; purchase of cattle, seed, manure, weavers, paddy husking, horticulture.

Upto Oct. 1953, 5,252 houses were constructed.

Facilities for education, vocational and technical training include Rs. 7,30,606 to colleges for expansion of building; Rs. 32,38,713 to secondary schools for expansion; Rs. 4,72,411 for establishing 9 Government-sponsored secondary schools; Rs. 98,88,713 to 1,019 free primary schools; also aid in the form of tuition fees and books.

The Directorate of Resettlement and Employment found employment for 47,547 upto Oct. 1953.

There are arrangements for training women refugees in arts and crafts; the number receiving such training in Oct. 1953 was 1,300.

CRIME AND CORRUPTION

The number of dacoities declined from 1,428 in 1951 and 1,087 in 1952 to 750 in 1953.

The position about anti-corruption was as follows (from Jan. to Sept. 1953):

No. of complaints handled 832; no. of persons involved 832; no. convicted by court 8; no. punished by Departments 122; no. acquitted after trial 25; no. exonerated after departmental enquiry 47; no. dropped for want of evidence 316; no. against whom investigations were pending 314.

The position about enforcement was as follows:

No. of cases instituted for profiteering, hoarding, etc., 11,481; no. convicted 7,850; fines realized Rs. 1,82,097; value of commodities confiscated Rs. 1,45,529; no. detained under the Preventive Detention Act 2; no. of licences cancelled for dishonest dealings 11.

WORKERS' WELFARE

No. of disputes, Jan.-July 1953 : 2,521 ; no. involving strikes and lock-outs, 135 ; no. disposed of, 1,920 ; no. of workmen involved, 145,448 ; no. of man-days lost, 685,337.

No. of disputes referred to adjudication upto Oct. 31, 1953 : 261 ; no. of awards made, 176.

In the jute industry the minimum wage paid to an unskilled worker is Rs. 63-6 ; in the cotton textile industry it is Rs. 50-2-5 ; in the engineering industry it is Rs. 61 ; in the printing presses it is Rs. 47 ; of a clerk in the mercantile firms under the Bengal Chamber of Commerce the basic pay is Rs. 70 with a D.A. of Rs. 5 per 10 points over 180.

The Government has set up 25 labour welfare centres at different places to supplement the efforts of the employers. Small dispensaries are attached to 11 of these.

At the end of 1951 the total number of persons employed in registered factories was 654,047. In 1952, 15,762 persons were retrenched because of trade depression. Indian tea gardens too had to run at a loss and 15 gardens and one tea factory closed down throwing 6,089 workers out of employment.

Minimum wages are fixed in tobacco manufacturing (bidri making, cigarette making), road construction and building, public motor transport, local authorities (municipalities and district boards), cinchona plantations, tea plantations of the Darjeeling Hill area and of the Terai, Dooars, Cooch-Behar area.

Two schemes of industrial housing have been sanctioned, and one is awaiting sanction.

One scheme contemplates the construction of 128 single room tenements at an estimated cost of Rs. 5,70,000. The entire expenditure will be met from a subsidy and loan from the Centre.

A second scheme which has been approved is a Calcutta Improvement Trust scheme. It contemplates the construction of 104 single-room tenements at a cost of Rs. 6,00,136 in Christopher Road, Entally, Calcutta. The Government of India subsidy will be on a basis of Rs. 4,500 per tenement.

The scheme that is awaiting sanction provides for the construction of 300 tenements at a cost of Rs. 8,32,000.

The State Government gave one firm a subsidy of Rs. 1,25,000 and a loan of Rs. 1,87,500, and another a subsidy of Rs. 27,000.

FIVE-YEAR PLAN

The following are the various development schemes covered by the Five-Year Plan of West Bengal :—

Agriculture

Establishment of an Agricultural College Rs. 15 lakh ; Agricultural Research Rs. 20.9 lakh ; Soil conservation and utilisation Rs. 10.1 lakh ; Reclamation of waste lands Rs. 41.3 lakh. Minor irrigation including drainage and bunding projects Rs. 154 lakh ; Re-excitation of derelict irrigation tanks Rs. 185 lakh ; Supply of power pumping plants Rs. 27.5 lakh ; Sinking of tube-wells Rs. 14 lakh ; Distribution of bonemeal Rs. 12.4 lakh ; Seed multiplication farms at Burdwan and Malda Rs. 24.8 lakh ; Five additional seed multiplication farms Rs. 32.2 lakh ; Brooklyn cold storage plant Rs. 36.5 lakh ; Demonstration centres Rs. 31 lakh ; Plant protection scheme Rs. 46.1 lakh ; Crop competition Rs. 10.6 lakh ; Loan to big growers Rs. 10.9 lakh ; Crop survey Rs. 74.5 lakh.

Animal Husbandry

Livestock-cum-breeding station at Haringhata Rs. 64.2 lakh ; Improvement of livestock Rs. 15.5 lakh.

Milk Supply

Removal of *Khattals* from Calcutta Rs. 245 lakh.

Forests

Afforestation of Government waste lands by State agency Rs. 82.3 lakh ; Conservation of private forests and afforestation of private waste lands Rs. 29.6 lakh.

Fisheries

Sea fishing with the help of Danish cutters Rs. 71.1 lakh ; Pilot scheme for the development of *beel* fishery Rs. 21.1 lakh ; Tank fishery development schemes Rs. 27.8 lakh ; Improvement of tank fisheries in the dry districts Rs. 26.4 lakh.

Cottage Industries

Organisation of silk reeler co-operatives Rs. 25 lakh ; Development of *khadi* industry Rs. 15.5 lakh ; Promotion of fur industry Rs. 12.6 lakh ; Industrial centres scheme Rs. 25 lakh ; Development of handloom industry Rs. 16 lakh.

Other Industries

Aid to industries Rs. 20.1 lakh.

Roads

Road development Rs. 29.47 lakh.

Road Transport

State transport—Calcutta and industrial areas Rs. 311 lakh.

Education

Training of basic school teachers Rs. 48.7 lakh ; Introduction and expansion of basic education Rs. 1.16 lakh ; B.E. College—Immediate and final plan Rs. 11 lakh ; Extension of Presidency College Rs. 11 lakh ; Technical high schools Hooghly and 24 Parganas districts Rs. 13.4 lakh ; Expansion of girls' secondary education Krishnanagar, Midnapur and Jalpaiguri Rs. 21.9 lakh ; Increased salaries of primary school teachers Rs. 4.40 lakh ; Expansion of training facilities of graduate teachers Rs. 18.6 lakh ; Social adult education Rs. 67.4 lakh ; Basic primary training colleges Rs. 29.4 lakh ; Reorganisation of the Government Commercial Institute Rs. 18.3 lakh ; Colleges for women Hooghly, Murshidabad and Jalpaiguri Rs. 19.4 lakh ; Engineering institutions for diploma courses Calcutta, Burdwan and Bankura Rs. 15.6 lakh.

Medical

Establishment of temporary medical college in Lake area Rs. 20.7 lakh ; Conversion of Campbell Medical School into a College Rs. 60.8 lakh ; Scheme for a dental college Rs. 19.7 lakh ; Establishment of a rural nursing service and improvement of nursing system Rs. 16.2 lakh ; Improvement of pharmacy and pharmacy training Rs. 18.1 lakh ; Increase in the number of rural dispensaries Rs. 6.22 lakh ; Maintenance of A.G. Hospitals Rs. 2.09 lakh ; Rehabilitation and improvement of existing hospitals Rs. 1.07 lakh ; Provision of infectious diseases hospitals in Calcutta Rs. 75.7 lakh ; Establishment of a T.B. Hospital at Kanchrapara and a T.B. Sanatorium at Dighi Rs. 1.21 lakh ; Control and prevention of venereal diseases Rs. 87.2 lakh.

Public Health

Rural water-supply Rs. 72 lakh ; Water-supply and drainage in municipal areas Rs. 79 lakh ; Control of Malaria Rs. 1.09 lakh ; Maternity and child welfare Rs. 15.5 lakh ; Malaria control in fringe areas of salt lake near Calcutta Rs. 14.6 lakh ; Anti-leprosy scheme in Gouripore Rs. 31.8 lakh ; B.C.G. vaccination scheme Rs. 11.7 lakh.

Housing

Kanchrapara area development scheme Rs. 11.34 lakh.

GOVERNMENT OF WEST BENGAL**Governor**

Dr. H. C. Mookerjee.

Secretaries

H. C. Sen (*Secy. to Governor, Raj Bhavan, Calcutta*).

S. N. Sen (*Dy. Secy. to Governor, Raj Bhavan, Calcutta*).

P. B. Sengupta (*Dy. Secy. to Governor, Raj Bhavan, Calcutta*).

CABINET MINISTERS

Chief Minister, Minister-in-charge of Home, Finance, Commerce and Industries and Development Dept., Dr. B. C. Roy.

Minister-in-charge of Irrigation and Waterways Dept., Ajoy Kumar Mukherjee.

Minister-in-charge of Works and Buildings Dept., Khagendra Nath Das Gupta.

Minister-in-charge of Local Self-Government Dept., Iswar Das Jalan.

Minister-in-charge of Food Relief and Supplies Dept., Prafulla Chandra Sen.

Minister-in-charge of Agriculture and Co-operative Credit Dept., Dr. Rafuddin Ahmed.

Minister-in-charge of Labour Dept., Kalipada Mookherjee.

Minister-in-charge of Cottage and Small Scale Industries Dept., Jadabendra Nath Panja.

Minister-in-charge of Forest and Fisheries Dept., Hem Chandra Naskar.

Minister-in-charge of Excise Dept., Shyama Prasad Burman.

Minister-in-charge of Tribal Welfare Dept., Radhagobinda Roy.

Minister-in-charge of Refugee Relief and Rehabilitation Dept., Srimati Renuka Ray.

Minister-in-charge of Education Dept., Pannalal Bose.

Minister-in-charge of Judicial, Legislative and Land and Land Revenue Dept., Satyendra Kumar Basu.

MINISTERS OF STATE

Minister of State in charge of the Medical and Public Health Dept., Dr. Anulyadhan Mukhopadhyay.

Minister of State in charge of the Juils Branch of the Home Dept., Dr. Jiban Ratan Dhar.

DEPUTY MINISTERS

Dy. Minister for the Township Branch of the Development Dept. and for the Relief Branch of the Food, Relief, Supplies Dept., Tarun Kanti Ghosh.

Dy. Minister for the Food Branch of the Food Relief and Supplies Dept., Smarajit Bandyopadhyay.

Dy. Minister for the Supplies Branch of the Food, Relief and Supplies Dept., Rajam Kanta Pramanik.

Dy. Minister for the Co-operation Branch of the Department of Agriculture and Co-operation, Chittaranjan Roy.

Dy. Minister for the Tribal Welfare Dept., Tenzing Wangdi.

Dy. Minister for the Commerce and Industries Dept., Sourindra Mohan Misra.

Dy. Minister for the Defence Branch of the Home Dept., Satyendra Chandra Ghosh Maitik.

Dy. Minister for the Publicity and Public Relations Branch of the Home Dept., Gopika Bilas Sen.

Dy. Minister for the Rehabilitation Branch of the Refugee Relief and Rehabilitation Dept., Bijesh Chandra Sen.

Dy. Minister for the Women's Education Branch of the Education Dept. and for the Relief Branch of the Refugee Relief and Rehabilitation Dept., Srijukta Purabi Mukherjee.

Dy. Minister for the Agriculture Branch of the Dept. of Agriculture and Co-operation, Mallik-pore, Janab Abdus Shukur.

Dy. Minister for the Labour Dept., Shiva Kumar Rai.
Dy. Minister for the Transport Branch of the Home Dept., Satish Chandra Ray Singha.
Dy. Minister, Parliamentary Affairs (Home) and Chief Govt Whip, Debendra Chandra Dey.

PARLIAMENTARY SECRETARIES

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Parl. Secy., Home Dept., Ardhendu Sekhar Naskar.
Parl. Secy., Labour Dept., A. M. A. Zaman.

SECRETARIES

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Secretary, Home Dept., R. K. Mitra, I.C.S.
Secretary, Finance Dept., B. Das Gupta, I.A.S.
Secretary, Relief and Rehabilitation Dept., and Commr., R. & R., H. Banerjee, I.A.S.
Secretary, Agr., Co-op., Forests, Fisheries, Irrigation and Waterways, K. Sen, I.C.S.
Jt. Secy., Home Dept., M. M. Basu, I.C.S.
Secretary, Education Dept., D. M. Sen.
Secretary, Medical and Public Health and Dir. of Health Services, Dr. B. C. Das Gupta.
Addl. Secy., Irrigation and Waterways, and Adm. Officer, Mayurakshi Project, A. B. Ganguly, I.C.S.
Secretary, Judicial Dept., K. K. Hazra, I.C.S.
Secretary, Food Dept., and Commissioner, Food, A. D. Khan, I.C.S.
Secretary to the Chief Minister, R. S. Trivedi, I.C.S.
Special Officer and ex-Office Secretary, Finance Dept., N. N. Mazumdar.
Secretary, Board of Revenue, P. Banerjee.
Secretary, Legislative Dept., S. K. Dutt Gupta.
Member, Board of Revenue and ex-Office Secy., Land and Land Revenue Dept., B. Sarcar, I.C.S.
Jt. Secretary, Works and Bldgs. Dept., B. K. Sinha, I.A.S.
Jt. Secretary, Labour Dept., D. S. P. Mukherjee, I.A.S.
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Jt. Secretary, Local Self-Govt. Dept., S. M. Murshed, I.A.S.
Jt. Secretary, Home Dept., D. M. Gupta, I.A.S.
Secy., Legislative Assembly, Ajita Ranjan Mukherjee.
Financial Adviser, Food Relief & Supplies, and ex-Office Secy., Finance Dept., S. K. Ghosh.
Jt. Secy., Food Relief and Supplies, P. R. Sinha, I.A.S.
Development Commr. and ex-Office Secy., Development Dept., S. K. Dey, I.C.S.
Jt. Development Commr. and ex-Office Jt. Secy., Development Dept., Ashoka Mitra, I.C.S.
Addl. Secy., Refugee Relief & Rehabilitation Dept., N. K. Roy Chowdhury, I.C.S.
Secy., Commerce & Industry, Cottage & Small-scale Industry, Dr. Nabagopal Das, I.C.S.

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(Lalbazar, Calcutta).

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Asst. Commissioners of Police, H. T. P. Wight (Headquarters); W. S. Robinson (Traffic Department); V. Wavell (Arms Act Department).

CHIEF PRESIDENCY MAGISTRATE'S COURT

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Chief Presidency Magistrate, Chairman, Advisory Board, Vagrancy, N. C. Chakrabarti.
Addl. Chief Presidency Magistrate, B. C. Ghosh.
Presidency Magistrates, S. K. Ghosh; A. K. Sen; B. Banerjee; H. N. Sen; M. C. Sarbadhikari; P. Ghosh; A. K. Das; N. B. Sen; K. C. Sen.
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Presidency Magistrate in charge of Election Work, P. K. Bose.

Hony. Presidency Magistrates, M. N. Ray; D. L. Dutt; T. K. Roy; N. C. Law; A. B. Mukherjee; Dr. B. C. Law; M. B. Ray; P. C. Das Gupta; K. C. Shome; B. M. Ghosh; A. K. Bose; H. K. Bose; J. Kabir; S. B. Ali; N. Singh Roy; J. C. Sen; W. B. Scott.

Presidency Magistrates, S. K. Khanna; A. M. Tayabali; Braj Mohan Bagri; T. M. Zarif.
Presidency Magistrates, Central Children Court, Smt. Olive Pemantle; Smt. Tarulata Sen; Smt. Mira Dutta Gupta; Smt. Swarnapova Sen; Smt. Afzal Jahan Begum.

House of Detention, Calcutta

Chief Presidency Magistrate, ex-Office Chairman, Visiting Board, N. C. Chakrabarti.
Presidency Magistrate, Central Children Court, ex-Office Secretary, Visiting Board, S. N. Ganguli.
Superintendent, House of Detention, ex-Office Jt. Secretary, Visiting Board, A. P. Ghosh.

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4, Hastings Street, Calcutta.

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P. A. to Commissioner, K. K. Mukherjee, B.A.

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Chief Auditor, D. C. Sen.
Deputy Registrar, M. N. Choudhuri, W.B.C.S.
P.A. to the Registrar, P. N. Majumdar, M.A.
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Asstt. Registrar, Howrah-Hooghly Districts, F. Hossain, B.A.
Asstt. Registrar, Burdwan District, B. B. Mitra, B.A.
Asstt. Registrar, Birbhum District, A. K. Sen, M.A.
Asstt. Registrar, Bankura District, S. Sen, B.A.
Asstt. Registrar, Midnapur District, N. L. Dutta Gupta, M.A.
Asstt. Registrar, Nadia District, S. B. Bhattacharjee, B.A.
Asstt. Registrar, Murshidabad District, D. R. Mukherji, M.A.
Asstt. Registrar, Malda District, D. N. Chatterjee, M.Sc.
Asstt. Registrar, West Dinajpur District, J. Sen Gupta, B.A.
Asstt. Registrar, Jalpaiguri-Cooch-Bihar-Darjeeling Districts, C. B. Kumal, B.A., W.B.C.S.
Asstt. Registrar, Co-operative Training and Education, N. Sengupta, M.Com.

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Judges, Ranendra Nath Dutt, M.A., B.L.; Suresh Chandra Bhawan, M.A., Barrister-at-Law; Sailendra Nath Sen Gupta, M.A., B.L.; Sudhir Ranjan Ghosh, M.A., B.L.; Amiya Nema Chakraborty, M.A., B.L.
Registrar and Chief Ministerial Officer, Krishnapada Mukherjee, M.A., B.L.
Deputy Registrar, Sasanka Sekher Kar, M.A., B.L.
Senior Superintendent, Birendra Nath Banerjee, B.A.
Head Assistant, Shyamacharan Haldar.
Chief Interpreter, Atul Krishna Bhadra, B.Sc.
Supdt., Warrant Dept., Paresh Nath Banerjee.

Supdt., Summons Dept., Sk. Mohiuddin.
Treasurer, Sushil Krishna Dey.
Accountant, Raimohon Sarkar.
Confidential Clerk, Haran Chandra Sarkar, B.A.
Cost Comptroller, Bibhuti Bhushan Ghosh.
Record-keeper, Nikunja Mohun Samanta.
Peremptory Cash Clerk, Debiprosad Mukherji, B.A., LL.B.
Compromise Clerk, Khandakar Golamul Bari.
Examiner of Disputed accounts, Amiya Kumar Ghosh.
Asstt. English Dept., Rabindra Nath Sarkar.

Court of Judge, Small Causes, Sealdah

S.C.C. Judge, Sealdah, J. N. Mallik.
Senior Munsiff, Sealdah, S. C. Sen Gupta.
Munsiff, P. K. Chanda; T. Mukherjee.
Chief Clerk, S.C.C. Judge's Court, Sealdah, H. N. Roy.

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Dy. Chief Inspector of Factories, West Bengal, G. C. Roy.
Head Clerk, B. N. Mukherjee.

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Conservator of Forests, Northern Circle, Laden La Road, Darjeeling, V. Suryaprakasa Rao, I.F.S.
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Divisional Forest Officer, Jalpaiguri Forest Division, P.O. and Dist. Jalpaiguri, Jayanta Kumar Ganguli, W.B.S.F.S.
Divisional Forest Officer, Kurseong Forest Division, P.O. Dow Hill, Dist. Darjeeling, Subal Sakha Mandal, W.B.S.F.S.
Divisional Forest Officer, Central Forest Division, P.O. Krishnanagar, Dist. Nadia, Prabir Kumar Ray, W.B.S.F.S.
Divisional Forest Officer, Darjeeling Forest Division, P.O. and Dist. Darjeeling, Tarak Nath Ray, W.B.S.F.S.
Director, West Bengal Forest School, P.O. Dow Hill, Dist. Darjeeling, Rathis Chandra Ghosh, W.B.S.F.S.
Divisional Forest Officer, Malda Forest Division, P.O. and Dist. Malda, Amarendra Bose, W.B.S.F.S.
Divisional Forest Officer, Utilisation Division, 35, Gopalnagar Road, Alipore, Calcutta 27, Sasanka Bhushan Palit, W.B.S.F.S.
Divisional Forest Officer, Cooch-Bihar Forest Division, P.O. and Dist. Cooch-Bihar, Sankar Narayan Mitter, W.B.S.F.S.
Divisional Forest Officer, Kalimpong Forest Division, P.O. Kalimpong, Dist. Darjeeling, Sibdas Basu, W.B.S.F.S.
Divisional Forest Officer, Siliguri Saw Mill Division, P.O. Siliguri, Dist. Darjeeling, Prafulla Kumar Roy Chaudhuri, M.A.C.F.
Divisional Forest Officer, Working Plans Division, 35, Gopalnagar Road, Alipore, Calcutta 27, Khirode Chandra Rai Chaudhuri, M.A.C.F.
Divisional Forest Officer, Buxa Forest Division, P.O. Bakarduar, Dist. Jalpaiguri, Monoj Mohan Sirkar, Special Forest Officer.

DIRECTORATE OF HEALTH SERVICES

Writers' Buildings, Calcutta.

Director of Health Services, Dr. B. C. Das Gupta, B.Sc., M.B. (Cal.), M.B.C.P. (Ireland), D.T.M. & H. (Lond.), D.P.H. (Lond.).
Dy. Director of Health Services (Admin.), Dr. H. K. Indra, M.B., D.O. (Lond.).
Dy. Director of Health Services (Medical Relief), Dr. D. P. Dutta, M.B. (Cal.), M.R.C.P. (Edin.), D.T.M. & H. (Lond.), D.P.H. (Lond.).
Dy. Director of Health Services (Accts. Audit and Verification), K. S. Mitra, M.B.E., B.A., A.S.A.A. (Lond.), A.I.R.A. (Ind.).

ELECTRICITY DEVELOPMENT

4, Hastings Street, Calcutta 1.

Chief Electrical Engineer and Electrical Adviser to Government, A. K. Bhaumik, B.Sc. (Cal.), B.Sc. (Eng.) (Lond.), M.I.E.E.
Divisional Engineers, M. P. Ghose, B.E.E., A.M.I.E. (Ind.); Dr. M. Datta, M.Sc. (Cal.), M.Sc. Tech. (Manch.), Ph.D. (Edin.), A.M.I.E.E.; J. K. Roy, B.E.E., A.M.A.I.E., A.M.I.E. (Ind.); M. Bhattacharya, B.Sc. (Eng.), A.M.I.E.; B. N. Choudhury, B.Sc., B.E., A.M.I.E. (Ind.).
Assistant Divisional Engineers, R. C. Seal, Dip. E.M.E.; R. C. Guha, B.Sc. (Hons.), A.M.A.I.E.E.; B. N. Dutt, B.E., A.M.I.E. (Ind.); A. K. Ganguly, B.E.E., O.R.I.E.E. (Lond.); J. C. Gazdar, L.E.
Assistant Engineers, M. C. Bhowmik, B.E.; B. K. Banerjee, B.E., A.M.I.E. (Ind.); M. K. Roy, B.E.E.; R. N. Mitra, B.E.E.; K. P. Sen, B.E.E.; J. N. Sen, B.E.E.; S. N. Chatterjee, B.E.E.; A. Roy Choudhury, B.E.E.; J. N. Banerjee, B.Sc., B.E.E.; S. K. Biswas, B.E.E.
Accounts Officer, A. K. Sircar, B.Sc., G.D.A.
Audit Officer, D. N. Das Gupta, B.A., B.Com., C.A. (Passed), A.A.I.A. (Lond.).

EXCISE DIRECTORATE

Commissioner of Excise, K. P. Sen, M.A., I.A.S.
Deputy Commissioner of Excise and Collector of Excise, Calcutta, M. P. Sen, B.A.
Deputy Commissioner of Excise, Distilleries, Warehouses and Preventive, A. K. Chakraborty, M.A.
Personal Assistant to the Commissioner of Excise, J. Roy, M.A.
Superintendent of Excise, C.D.D. and E.I.B., Calcutta, J. M. Pal, B.A.
Superintendent of Excise, Calcutta North, A. K. Sen, M.A.
Superintendent of Excise, Calcutta South, A. Matlab, B.A.
Superintendent of Excise, Foreign Liquor, Calcutta, M. L. Chatterjee, B.L.
Superintendent of Excise, Calcutta Distilleries and Warehouse, D. C. Sen, M.Sc.

INCOME TAX DEPARTMENT

Commissioner of Income-tax, West Bengal, A. C. Bose.
Commissioner of Income-tax, Calcutta, (Additional Charge), A. C. Bose.
Public Relations Officer, P. K. Sen Gupta.
Inspecting Assistant Commissioner of Income-tax Headquarters, Calcutta, A. De.
Inspecting Assistant Commissioner of Income-tax Headquarters, West Bengal, B. M. Mitter.

INDUSTRIAL TRIBUNAL

Judges, G. Palit, S. C. Mukherjee, M. L. Chakraborty, J. N. Maltra, M. C. Banerjee, M. N. Gan.

LABOUR DEPARTMENT

Labour Commissioner, Registrar of Trade Unions, Chief Inspector of Shops and Establishments, B. N. Bose, M.A., I.A.S.
Chief Inspector of Factories, A. D. Joardar, M.I.E.

LABOUR DIRECTORATE

Clive Bldgs., Netaji Subhas Road, Calcutta.
Labour Commissioner & Registrar of Trade Unions, B. N. Bose, M.A., I.A.S.
Deputy Labour Commissioners, Dwijottam Chatterjee, B.A.; S. N. Chatterjee, B.A.

Assistant Labour Commissioners, Quader Nowaz, B.A., Dip.S.W.; S. N. Roy, M.A., Dip.S.W.; H. M. Ghose, M.A., Dip.S.W.; B. K. Bose, M.A., B.L., W.B.J.C.S., Dip.S.W.; K. C. Das Gupta, M.A., W.B.J.C.S., Dip.S.W.; A. R. Ghosh, B.A., W.B.C.S.; Srimati Parul Chakraborty, M.A., C.A.P. (Cal.), M.A. (Edin.); H. K. Biswas, M.A., B.L., Dip.S.W.; Chittaranjan Gautam, M.Sc.

IRRIGATION DEPARTMENT

Writer's Buildings, Calcutta 1.

Secretary, K. Sen, I.C.S.*Secretary, ex-Officio & Administrator Mayurakshi Reservoir Project*, A. B. Ganguli, I.C.S.*Deputy Secretary*, B. K. Adhikari, W.B.C.S.*Assistant Secretary*, J. C. Talapatra.*Assistant Secretary, ex-Officio and Special Officer, Code Revision*, A. K. Bhattacharya*Chief Engineer, Irrigation*, G. B. Mondal, I.S.E.**LAND ACQUISITION OFFICE**

5, Bankshall Street, Calcutta.

1st Land Acquisition Collector, Calcutta, Sallendra Nath Mitra, I.A.S.*2nd Land Acquisition Collector, Calcutta*, Sudhansu Binai Das Gupta, W.B.C.S.*Additional Land Acquisition Officers, Calcutta*, Sallish Chandra Chatterjee, W.B.C.S., Dinesh Chandra Chanda, W.B.J.C.S.; Subodh Kumar Ghosh, W.B.J.C.S.*Superintendent*, Gopal Ch. Basu, B.A., B.L.**OFFICE OF THE DIRECTOR OF LAND RECORDS AND SURVEYS**

Allpore, Calcutta.

Director of Land Records and Surveys, Dinesh Chandra Gupta, I.A.S.*Addl. Director of Land Records and Surveys*, Manlahi Mohan Sen, I.C.S.*Personal Assistant to the Director of Land Records and Surveys*, Satyendra Nath Banerji (Deputy Magistrate and Deputy Collector).*Officer-in-Charge, West Bengal Drawing Office and Traverse Party*, Abani Kumar Sen Gupta (Survey of India Class I Officer).*Asstt. Officer-in-charge, West Bengal Drawing Office and Traverse Party*, Bholanath Chatterji (Sub-Deputy Collector and Sub-Deputy Magistrate).*Asstt. Survey Officer, West Bengal Drawing Office and Traverse Party*, Amar Ganguly.*Head Assistant, Directorate of Land Records and Surveys*, Anil Chandra Banerji.**OFFICE OF THE ADMINISTRATOR-GENERAL AND OFFICIAL TRUSTEE**

1, Council House Street, Calcutta.

Administrator-General and Official Trustee, S. K. Sen, B.L., Solicitor.*Dy. Administrator-General and Official Trustee*, B. M. Mandal, Barrister-at-Law.*Superintendent*, Saroje Kumar Chandra, B.A.**OFFICE OF THE INSPECTOR-GENERAL OF POLICE**

Writers' Buildings, Calcutta 1.

Inspector-General of Police, H. N. Sircar, J.P., I.P.*Asstt. Inspector-General of Police*, B. Chatterjee, J.P., I.P.*Asstt. Inspector-General of Police*, B. G. Mukharji, I.P.S. (Retd.).*Registrar, West Bengal Police Directorate*, B. C. Mukharji, B.Sc.*Dy. Inspector-General of Police, Central Range*, H. L. Saha, I.P.*Dy. Inspector-General of Police, I.B., C.I.D., West Bengal*, A. N. Gogulee, J.P., I.P.*Dy. Inspector-General of Police, Western Range*, S. M. Ghosh, I.P.*Dy. Inspector-General of Police, Armed Forces, West Bengal*, M. A. H. Maswood, I.P.*Dy. Inspector-General of Police, Northern Range*, D. G. Bhattacharyya, J.P., I.P.**OFFICE OF THE POLICE MAGISTRATE,**

Sealdah.

Police Magistrate, B. C. Ghosh, M.Sc., B.C.S.*Dy. Magistrate, Addl. Police Magistrate*, D. D. Majumder.*Sub-Magistrate, Addl. Police Magistrate*, B. N. Basu.*Sub-Dy. Magistrate, Addl. Police Magistrate*, D. C. Pal.*Honorary Magistrate, Addl. Police Magistrate*, H. L. Sen.**OFFICE OF THE SUPERINTENDENT, ALIPORE CENTRAL JAIL**

Allpore.

Superintendent, H. W. Shea.*Deputy Superintendent*, K. N. Das Gupta.*Jailor*, G. K. Mukherjee.*Medical Officer*, Dr. P. C. Chakravarti.**PRISONS DIRECTORATE**

Writers' Buildings, Calcutta 1.

Inspector-General of Prisons, Dr. P. K. Biswas, M.B.*Personal Assistant*, Dharendra Chandra Mukherjee, B.A.*Travelling Auditor*, B. S. Venugopal.*Head Assistants*, Lalana Ranjan Bose, B.Sc., Nikhil Ranjan Guha Thakurta.**PUBLIC HEALTH ENGINEERING**

P-11, Mission Row Extension, Calcutta 1.

Chief Engineer, P. C. Bose, B.Sc. (Glas.), M.I.E. (Ind.), F.N.I.*Executive Engineer, East Circle*, S. N. Das, B.Sc. (Cal.), A.M.I.E. (Ind.).*Executive Engineer, West Circle*, G. N. Mitra, B.E., A.M.I.E. (Ind.).*Executive Engineer, Chanchrapra Development Area Division*, S. N. Basak, B.E., C.E., A.M.I.E. (Ind.).*Executive Engineer, Distressed Area Division*, A. K. Banerjee, B.Sc., B.E., A.M.I.E. (Ind.).*Executive Engineer, Community Development Project, P. H. Engineering*, S. K. Mazumder, B.E., C.E., A.M.I.E. (Ind.).*Irrigation Engineer*, P. K. Chatterjee, B.E., A.M.I.E. (Ind.).**PUBLIC SERVICES COMMISSION***Chairman*, S. Basu, I.C.S.*Members*, A. T. Sen, M.Sc., Ph.D. (Lond.), S. K. Majumder, I.A.S. (Retd.).*Secretary*, S. C. Chowdhury, M.A., B.L.*Asstt. Secretary*, P. N. Ghose, M.A.*Superintendent*, S. Bose, B.A.**REGISTRAR OF JOINT STOCK COMPANIES**

P-29, Mission Row Extension, Calcutta.

Registrar of Joint Stock Companies, B. P. Roy, B.A., B.L., F.O.A.*Asstt. Registrar of Joint Stock Companies*, R. C. Majumder, B.A., A.C.A.**SENIOR ELECTRICAL ENGINEER, P. & T.**

(Telegraph Storeyard, Allpore).

Senior Electrical Engineer, Sitanu K. Roy, B.E.*Junior Electrical Engineer*, A. Subramanian, M.A., Grad. I.E.E.*Assistant Engineers*, S. N. Chatterjee, B.Sc., B.Sc. (Eng.), A.M.I.E.; K. P. Das, B.Sc., G. Subramanian, B.Sc. (Hons.), A.M.A.I.E.E., M.I.E.E.J.; V. Annaswamy, B.Sc. (Hons.), A. K. Shome, B.Sc.; K. N. Sarbadhikary.**WEST BENGAL BOILER SERVICE**

Chief Inspector of Boilers, Calcutta and ex-Officio Chairman, Board of Examiners, under Bengal Boiler Attendant Rules and West Bengal Boiler Engineers Examination Rules, S. N. Sen Gupta, B.Sc. (Cal.), B.Sc. (Glas.), C.P.E. (Glas.), A.M.I. Mech. (Lond.), etc.

WEST BENGAL FIRE SERVICES

13-B, Free School Street, Calcutta.

Director, C. M. Gogery, A.M.I. Fire E.
Dy. Director, A. V. Murray.
Equipment Officer, P. Roy, B.A., A.M.I. Fire E.
Personal Asst. to Director, N. C. Sen Gupta.
Divisional Officer, S. Bose.
Divisional Officer, S. C. Das Gupta.
Divisional Officer, S. C. Chatterjee, Grad. I, Fire E.
Divisional Officer, L. Brain.
Chief Engineer, M. L. Banerjee.
Assessing and Legal Officer, S. N. Ghosh, B.L.
Fire Protection Officers, T. P. Mukherjee, B.A., P. N. Ghosh, M.A.; R. S. Gupta, B.Sc., A.M.I. Fire E., Dip. S.W.; P. Chatterjee, Grad. I, Fire E.

WEST BENGAL GOVERNMENT PRESS

38, Gopalnagar Road, Alipore, Calcutta 27.

Superintendent, Govt. Printing, West Bengal, A. K. Guha, M.A., B.Com.
Dy. Superintendent (Adm.), Govt. Printing, West Bengal, A. N. Mitra, M.A.
Dy. Superintendents, Govt. Printing, West Bengal, S. K. Choudhury, M.Sc.; D. N. Banerjee, B.A.
Labour Welfare Officer, A. L. Mukherjee, B.L. Dip. S.W. (Cal.).

HIGH COURT

Chief Justice, Phani Bhushan Chakravarti, M.A., LL.B.

Puisne Judges, Gopendra Nath Das, M.A., LL.B.; Rama Prasad Mookerjee, M.A., LL.B.; Kamal Chunder Chunder, B.A. (Cal.), M.A. (Oxon.), I.C.S., Bar-at-Law, Kulada Charan Das Gupta, M.A., I.C.S., Bar-at-Law, Surajit Chandra Lahiri, M.A., LL.B.; Subodh Ranjan Das Gupta, Bar-at-Law, Prasanta Bihari Mukarji, Bar-at-Law, Anil Kumar Sarkar, Bar-at-Law, Jyoti Prakash Mitter, M.A. (Oxon.), Bar-at-Law, Braja Kanta Guha, I.C.S.; Himansu Kumar Bose, Bar-at-Law; R. S. Bachawat, Bar-at-Law; Deep Narayan Sinha, Bar-at-Law; Pares Nath Mookerjee, M.A., LL.B., Saldendra Nath Guha Roy, I.C.S.; Sisir Kumar Sen, M.A. (Pun.), I.C.S.; Renupada Mukherjee, M.A., LL.B., Debabrata Mookerjee, M.A., LL.B.; Gopendra Krishna Mitter, Bar-at-Law.

CORPORATION OF CALCUTTA

Mayor, Nares Nath Mookerjee.
Dy. Mayor, Purnendu Sekhar Basu.
Commissioner, B. K. Sen.
Dy. Commissioners, A. K. Bysack; Lokanath Bal.
Secretary, B. Ghosh.
Chief Engineer, A. K. Sen.
Executive Engineer, Water Works, Puri Das Ghose.
City Architect, P. Guha.
Health Officer, Dr. J. P. Choudhury.

Councillors*

Rabindra Mohan Chatterjee (1), Ganapati Sur (2), Sudha Sankar Singh (3); Nandalal Banerjee (4); Dulal Chandra Mukherjee (5); Dr. G. C. Datta (6); Ranajit Coomar Mitter (7); B. K. Sarkar (8); Dr. Bhupendra Nath Bose (9); Anarendra Nath Ghose (10); Dr. Kripabindu Chakrabarty (11); Sudhir Chandra Mukherjee (12); Pannalal Das (13); Indu Bhushan Banerjee (14); Bhabesh Chandra Dass (15); Sambhu Nath Barick (16); Tulsi Ch. Pal (17); Kamal Krishna Paul (18); Krishna Chandra Bysack (19); Gobind Chandra Dey (20); Badridas Burman (21); Keeto Chandra Kundu (22); Roof Ansari (23); Dr. Sudhangsu Kumar Sait (24); Tulsi Ram Saha (25); Jannadas Thaker (26); Kishori Lal Dhandhanla (27); Keshab Chandra Basu (28); J. K. Chaudhury (29); Barendra Krishna Daw (30); Dr. K. P. Ghosh (31); Nandadulal Srimany (32); Sachindra Nath Sinha (33); Shriv Kumar Khanna (34); Dr. Sukhabehari Mukherji (35); Panchanan Sarker (36); Durlav Chandra Majumdar (37); Rajendra Nath Mazumdar (38); Dharam Chand Saha (39); Dr. Esmail Ibrahim (40); Sri Debendra

Lal Dutt (41); Indra Bhushan Beed (42); Kissan Ch. Baral (43); Sudhangsu Shekhar Mitra (44); Dhirendra Nath Dhar (45); Radhika Nath Basu (46); Dr. L. M. Bhattacharji (47); Bankim Chandra Sarkar (48); Ananya Charan Sirkar (49); Benoy Lal Ghose (50); Karam Hossain (51); Jogindra Lal Saha (52); Md. Ahir (53); Dhirendra Nath Bose (54); Nares Nath Mookerjee (Mayor, 55); Ratan Manick Chatterjee (56); Md. Zakir (57); Sushil Kr. Roy (58); Bejoy Kr. Banerjee (59); Md. Abu Nesar (60); Anil Maltra (61); Shyamal Kumar Dutta (62); Sri Debojyoti Barman (63); Dr. Birendra Ch. Basu (64); Dr. Parimal Kumar Sen Gupta (65); Chittaranjan Chatterjee (66); Kumar Benoyendra Deb Rai (67); Dr. P. K. Roy Chowdhury (68); Subrata Kr. Sen Sarma (69); Dhirendra Nath Ghosh (70); Phani Bhushan Pal (71); Mani Sanyal (72); Gahar Alam Shami (73); Brojendra Nath Banerjee (74); Usha Nath Sen (75); S. K. Gupta, I.C.S., Chairman, Calcutta Improvement Trust (ex-officio)

Aldermen

Satis Chandra Ghosh, Purnendu Sekhar Basu (*Deputy Mayor*), Biswanath Mukherjee, Prabhu Dayal Himatsingka, Dr. Amar Nath Mukherjee

CORPORATION FREE DISPENSARIES

ALIPORE DISPENSARY, 42, Judges Court Road.
 BAITAKKHANA DISPENSARY, 92, Baitakkhana Road.
 BALLYGUNGE DISPENSARY, 23, Rustomji Street.
 BHOWANIPORE DISPENSARY, 56, Harish Mukherji Road.
 CENTRAL DISPENSARY (CENTRAL MUNICIPAL OFFICE), 5, Surendra Nath Banerjee Road.
 CHETLA DISPENSARY, 20/5, Chetla Central Road.
 CHITPORE DISPENSARY, 3, Gopal Ch Mukherji Road.
 CHITTARANJAN UNANI DISPENSARY, 4, Kanal Seal Street.
 GOBRA DISPENSARY, 58, Christopher Road.
 HATIBAGAN DISPENSARY, 72/1, Grey Street.
 JOGENDRA HOMES DISPENSARY, 84, Shambhazar Street.
 KALIGHAT DISPENSARY, 240, Kallighat Road.
 KIDDERPORE DISPENSARY, 36, Pipe Road.
 MANSATOLA DISPENSARY, 6, Mansatola Lane.
 NARKOLDANGA DISPENSARY, 109, Narkoldanga Main Road.
 PALTA PUMPING STATION DISPENSARY, Palta.
 TALA PUMPING STATION DISPENSARY, 69, Barrackpore Trunk Road.
 TALTOLA DISPENSARY, 58, Lower Circular Road.
 TANGRA DISPENSARY, 25, Chingrihatta Road.
 ULTA DANGA DISPENSARY, 123, Ultadanga Main Road.

CORPORATION MATERNITY HOMES

Baldeodas Maternity Home, 22, Nilmoni Mitra Street.
 Chetla Maternity Home, 10, Moyerpore Road.
 Kidderpore Maternity Home, 58, Ekbalpore Road.
 Manicktola Maternity Home, 237F, Manicktola Main Road.

CORPORATION MATERNITY UNITS

Unit I, 32/10, Beadon Street.
 Unit II, 26/9/1A, Harrison Road.
 Unit IIIA, 13, Police Hospital Road.
 Unit IIIB, 47/1C, Hazra Road.
 Unit IVA, 5D, Kali Temple Road.

Unit IVB, 10/1, Mominpore Road.
 Manicktola Unit, 24B, Narkoldanga Main Road; 19/1, Ultadanga Main Road.
 Coasipore Unit, 67/1B, Barrackpore Trunk Road.

CALCUTTA IMPROVEMENT TRUST

10, Netaji Subhas Road, Calcutta 1.

Chairman, S. K. Gupta, I.C.S.
Chief Engineer, W. H. Prosser.
Dy. Engineer, N. R. Das.
Chief Valuer, H. C. Mukerji.
Dy. Valuer, B. C. Ghose.
Law Officer, B. K. Ghosh.
Estates Officer, H. N. Gupta.
Accountant, B. C. Mukherjee.
Secretary and Chief Accountant, T. K. Roy Chaudhuri.

CALCUTTA IMPROVEMENT TRUST TRIBUNAL

6, Hastings Street.

President, Panchkari Sarkar, M.A., B.L.
Assessors, Rathanath Das, B.L., M.L.A.; Nutbehari Datta, M.A., B.L.
Superintendent, H. Maitra.

GOVERNMENT OF INDIA OFFICES, CALCUTTA**ACCOUNTANT-GENERAL**

A. G. West Bengal, K. C. Chaudhuri.
Dy. Acct. General (Ss), P. C. Haldar.
Dy. Acct. Genl. (Works), J. Chakravarty.
Exmr. O.A.D., S. K. Sarkar.
Asstt. Acct. General, C. S. Venugopala Rao.
Asstt. Exmr. O.A.D., M. Prem Kumar.
Exmr. L.A.D., G. B. Singh.
Asstt. Accountant General, H. K. Maltra.

POSTS AND TELEGRAPHS

Postmaster-General, N. C. Das.
Director, Postal Services, S. C. Dutt.
Director, Postal Services, S. C. Sen Gupta.
Presidency Postmaster, N. J. Iyer.
Director of Telegraphs, S. C. Chatterjee.

General Post Office, Calcutta,

Calcutta.
Presidency Postmaster, Calcutta, V. J. Iyer, B.A.
Deputy Presidency Postmaster, P. C. Mukherjee, B.A.
Asstt. Presidency Postmaster, M.O. Dept., B. C. Biswas, B.A.
Asstt. Presidency Postmaster, Registration Dept., R. C. Mukherjee, B.A.
Asstt. Presidency Postmaster, Delivery Dept., A. N. Bhattacharjee, B.A.
Asstt. Presidency Postmaster, Savings Bank Dept., J. N. Das, M.A.
Asstt. Presidency Postmaster, Parcel Dept., J. M. Banerjee.
Treasurer, Calcutta G.P.O., T. D. Dutta, B.A.
Accountant, Calcutta G.P.O., B. K. Ghosh.
Manager, Money Order Dept., G.P.O., A. C. Roy Choudhury, B.A.

R. M. S., H-Division, Calcutta,

Calcutta.
Superintendent, R.M.S., H-Division, Calcutta, P. K. Mukerjee, B.A.
Asstt. Superintendent, R. C. Majumdar, B.A.
Asstt. Superintendent, R.M.S., Sealdah, A. K. Sinha, B.A.
Head Record Clerk, R.M.S., H-Division, Calcutta, J. L. Mukherjee, B.A.
Inspector, R.M.S., H-1st Sub-Dn., Calcutta, S. N. Bhattacharjee, B.Com.

CENTRAL EXCISE

Collector of Central Excise & Land Customs, D. P. Anand, B.A. (Hons.).
Headquarters Assistant, Kshitindra Nath Sen Gupta, B.A.
Assistant Collector of Central Excise, Ajit Kumar Roy, B.Sc. (Hons.).
Assistant Collector of Land Customs Division, Subodh Kumar Bhattacharjee, B.A. (Hons.).

* Number in brackets shows the number of the constituency.

CUSTOM HOUSE

Calcutta.

Collector of Customs, B. N. Banerji, M.A., B.Sc.
Asst. Collector of Customs and Superintendent of Preventive Service, S. Venkatesan, M.A.

Asst. Collectors, M. G. Mathur, M.A.; B. De, C. M. Manson; A. K. Banerjee, M.A., LL.B.; C. R. Ramchandran, M.A.; B. B. Gujral, M.A., LL.M.; R. C. Misra, M.A., LL.B.; F. A. D'Souza, B.E.; W. J. Cousins, D. N. Mehta, B.A., J. Datta, B.Com.

Chemical Examiner (Gr. I), Manohar Lal, M.Sc.
Asst. Chemical Examiner, N. K. Choudhury, A.H.B.T.I.A.M.I. Chem. F.F.I.C.

Chief Accounts Officer, P. N. Sen, M.A.
Principal Appraisers, R. Sircar; D. Borthwick,

R. N. Banerji, B.Sc.; B. N. Dutt; P. M. Chatterjee, B.Sc.; E. D. Perris; C. A. Deefholts; S. C. Ghose, B.Sc. (Glasgow); S. K. Chatterji, B.A. (Cal.), B.Sc. (Econ.) (Lond.); G. Hodges, P. Burman, B.A. (Hons); K. L. Mehta, B.A.

Chief Inspector, J. P. Smith.

OFFICE OF THE COMMISSIONER OF INCOME-TAX (CENTRAL) CALCUTTA

Raja Chambers, 4, Hastings Street, Calcutta
Commissioner of Income-tax (Central), Calcutta—
cum-Assam, Manipur and Tripura, P. Mukherji, B.A.

Inspecting Assistant Commissioner of Income-tax (Central), Calcutta, P. K. Chatterjee, B.Sc., B.L., A.C.A.

Income-tax Officer, Central Circle-I, Calcutta, K. Srinivasan, B.A.

Income-tax Officer, Central Circle-II, Calcutta, A. Bakshi, M.A.

Income-tax Officer, Central Circle-III, Calcutta, Harihar Lal, M.A. (Hist and Eng)

Income-tax Officer, Central Circle-IV, Calcutta, N. G. Das Gupta, B.Sc.

Income-tax Officer, Central Circle-V, Calcutta, A. Chaudhury, M.A. (Com)

Income-tax Officer, Central Circle-VI, Calcutta, B. Abraham, M.A., B.L.

Income-tax Officer, Central Circle-VII, Calcutta, S. K. Basu, M.A.

Income-tax Officer, Central Circle-VIII, Calcutta, R. N. Bose, B.A., A.C.A.

OFFICE OF THE HEALTH OFFICER

The Commissioners for the Port of Calcutta, No. 3 Gate, K. P. Dock, Kidderpore, Calcutta 23.

Health Officer, Dr. Kamal Krishna Sinha
Asst. Health Officer, Dr. Rash Behari Ghosh.

Inoculation Officer, Dr. Sushil K. Mondal.
Lady Inoculation Officer, Dr. (Miss) Premilata Mudgill.

OFFICE OF THE PROTECTOR OF EMIGRANTS

7, Hare Street, Calcutta

Protector of Emigrants, Calcutta, Emigration Agent for British Guiana, Trinidad, Fiji, Mauritius and the Union of South Africa at Calcutta, D. C. Mukherjee, M.Sc., B.T.

Personal Assistant, Haradhan Mukherjee, B.Com.
Accountant, B. Roy Chowdhury.

EASTERN RAILWAY

General Manager, P. C. Mukerjee.

Chief Engineer, P. C. Chakravarti.

Controller of Stores, Gurban Singh.

BANKURA DISTRICT

Area of the District—2,658 sq. miles.

Population—1,319,259.

Names of talukas (subdivisions): Bankura, Sadar and Vishnupur.

Main agricultural products: paddy, sugarcane and pulses.

Main industrial products: small scale industry—handloom, bell-metal, conch shell, silk, shoe making.

ADMINISTRATION

Collector and District Magistrate, M. A. T. Iyengar, I.O.S.

District Agricultural Officer, H. L. Roy Chowdhury.

District Co-operative Officer, Anil Kumar Sen, M.A.

District Engineer, Bholanath Mazumdar (Offg.).

Divisional Forest Officer, A. B. Rudra.

District Health Officer, S. K. Singha.

District Medical Officer (Civil Surgeon), S. C. Mazumdar.

District and Sessions Judge, Dipendra Narayan Mazumdar.

District Superintendent of Police, Satyendra Ch. De Choudhury, M.A.

Inspector of Schools, P. Chowdhury.

BIRBHUM DISTRICT

Area of the District—1,743 sq. miles.

Population 1,006,889.

Names of subdivisions: Sadar (Suri) and Ram-purhat.

Main agricultural products: paddy, pulses and sugarcane.

Main industrial products: Products of cottage industries: Tasar, cotton cloth and bell-metal utensils; and products of other industries: rice and oil from mills driven by steam-power.

ADMINISTRATION

Collector and District Magistrate, M. C. Mukharji, I.A.S.

Supdt. of Agriculture, J. Bhowmik.

Asst. Registrar of Co-operative Societies, A. K. Sen.

District Engineer, R. Banerjee.

District Health Officer, Dr. S. Mandal.

Civil Surgeon, Dr. S. Bose.

District and Sessions Judge, H. C. Ghosh.

Superintendent of Police, P. K. Mukherji.

District Inspector of Schools, S. N. Ganguly.

BURDWAN DISTRICT

Area of the district—2,710 sq. miles.

Population 2,191,667.

Names of talukas: there are 4 sub-divisions, viz., Sadar, Kalua, Katwa and Asansol.

Main agricultural products: Paddy, jute, potato, grams, sugarcane.

Main industrial products: Iron and steel, coal, aluminium, clay pottery.

ADMINISTRATION

Collector and District Magistrate, S. N. Banerji, I.A.S.

Addl. District Magistrate, S. C. Basu, I.A.S.

Superintendent of Agriculture, S. R. Mukherji.

Asst. Registrar of Co-operative Societies, B. B. Mitra.

District Engineer, P. K. Pal, B.E.

Dist. Forest Officer, K. Bahiri.

District Health Officer, Dr. N. Ganguly.

Civil Surgeon, Dr. S. N. Choudhury.

Commercial Sales Tax Officer, J. B. Ganguly.

District and Sessions Judge, A. B. Ganguli.

Superintendent of Police, K. A. Basu.

Agricultural Income-tax Officers, P. K. Sen, S. Singha Ray.

Inspector of Schools, A. K. Gupta.

Superintendent of Fisheries, P. K. Chakrabarty.

Executive Engineer, Dandodar Canal, B. K. Basu.

COOCH-BEHAR DISTRICT

Area of the District—1,334 sq. miles.

Population—671,158.

Number of talukas—1,820.

Main agricultural products:—paddy, jute, tobacco and mustard.

Main industrial products:—plywood, jute bale pressing, rice mills, bidi making, handloom industries.

ADMINISTRATION

Deputy Commissioner, P. C. Majumdar, M.A., I.A.S.

Superintendent of Agriculture, Niranjan Sen.

Inspector of Co-operative Societies, Protap Saukar Bagchi.

Executive Engineer, Cooch-Behar Division, R. C. Bose.

Divisional Forest Officer, Cooch-Behar Division, S. Mishra.

District Health Officer, G. Sen.

Civil Surgeon, M. P. Talukdar.

Commercial Tax Officer, N. C. Bose.

District Civil and Sessions Judge, M. N. Mukherjee.

Superintendent of Police, A. R. Samajdar.

Income-Tax Officer, S. C. Chakraborty.

District Inspector of Schools, S. C. Mukherjee.

DARJEELING DISTRICT

Area of the District—1,199.7 sq. miles.

Population, 445,260.

Names of subdivisions: Sadar, Kurseong, Siliguri and Kallimpong.

Main agricultural products: Potatoes, Oranges, Cardamom, Chirata, Cabbages, Cauliflower, Tomatoes, Peas and Beans.

Main industrial products: Tea, Quinine and Wool.

ADMINISTRATION

Deputy Commissioner, S. Dutt-Mazumdar, I.A.S.

Superintendent of Agriculture, S. C. Nag Biswas.

Assistant Registrar, Co-operative Societies, C. B. Kumal.

District Engineer, S. N. Pradhan.

Conservator of Forests, J. C. Nath, I.A.S.

District Health Officer, S. C. Paul (Captain).

District and Sessions Judge, R. N. Ray.

Superintendent of Police, B. Bagchi, I.P.S.

Inspector of Schools, R. C. Chatterjee.

HOOGLY DISTRICT

Area of the district of Hooghly—1,208.4 sq. miles.

Population—1,554,320.

Main agricultural products: Rice, Jute, Pulses, Potatoes.

Main industrial products: Cotton goods, Jute goods, Paper and Rubber goods of Dunlop Rubber Company.

ADMINISTRATION

District Magistrate and Collector, Chinsurah, S. K. Halder, I.C.S.

Subdivisional Agricultural Officer, Sadar, S. K. Khasnabhis.

Inspector of Co-op. Societies, Sadar, Dipendra Kumar Das.

District Engineer, Debendra Nath Banerjee (Offg.).

Dist. Health Officer, Dr. P. K. Biswas, M.B., D.P.H.

Dist. Medical Officer (Civil Surgeon, Hooghly), Dr. S. R. Sen (Acting & S.).

Dist. and Sessions Judge, Prosad Chandra Banerjee.

Supdt. of Police, J. P. Banerjee.

Dist. Inspector of Schools, S. K. Mukherjee, M.A., B.T.

HOWRAH DISTRICT

Area of the district 568 sq. miles.

Population—1,611,373.

Main agricultural product: Paddy.

Main industrial products: Jute and Iron.

ADMINISTRATION

Collector and District Magistrate, S. Mullick, I.C.S.

Superintendent of Agriculture, B. Bhowmik.

Asst. Registrar of Co-operative Societies, F. Hoassain.

District Engineers, C. Joardar; S. Mukherji.

District Health Officer, Dr. U. Banerji.

District Medical Officer, Dr. A. B. Banerji (Civil Surgeon).

District and Sessions Judge, G. P. Mukherji.

District Superintendent of Police, D. Dhar, I.P.

Inspector of Schools, K. B. Majumdar.

JALPAIGURI DISTRICT

Area of the district—2,378.3 sq. miles.

Population—914,538.

Main agricultural products and industrial products: Tea.

ADMINISTRATION

Deputy Commissioner and District Magistrate, R. Banerjee, I.A.S.
District Agricultural Officer, S. Maitra.
District Co-operative Officer, G. B. Rai (Inspector of Co-operative Societies).
District Engineer, N. B. Chakraborty.
District Forest Officers, J. K. Ganguly, W.B.S.F.S. (Divisional Forest Officer, Jalpaiguri); S. Misra, W.B.S.F.S. (Divisional Forest Officer, Cooch-Behar); M. M. Sarker, S.F.S. (Divisional Forest Officer, Buxar).
District Medical Officer, Dr. P. Bhattacharjee, M.B.B.S. (Civil Surgeon).
District Sales Tax Officer, A. C. Das Gupta.
District and Sessions Judge, H. N. Roy.
District Supdt. of Police, H. K. Ray, I.P.S.
Income-tax Officer, A. K. Mukherjee.
Inspector of Schools, N. Chatterjee.

MIDNAPUR DISTRICT

Area of the district, 5,258.1 sq. miles.
 Population of the district, 3,359,022.
 Names of Talukas and Taluka headquarters. There are about 10,000 Mohals (estates).
 Main agricultural products: Rice (Pulses, Peas, Sugar-cane, etc. are the minor products).
 Main industrial products: Hand-loom cloth (Mats, bell-metals, combing, etc. are the minor products).

ADMINISTRATION

Collector and District Magistrate, B. I. Ghosh, I.A.S.
Additional Collector and District Magistrate, Mohini Mohan Kusari, I.A.S.
Senior Dy. Collector, Monomohan Sircar.
Supdt. of Agriculture, B. C. Sen.
Asstt. Registrar of Co-operative Societies, Nripendra Lal Dutta Gupta.
District Engineer, Hara Kumar Dutta.
Divisional Forest Officer, A. C. Gupta, I.F.S.
District Health Officer, Dr. Hemanta Kumar Singha Roy.
Civil Surgeon, S. Bhattacharjee.
District Commercial Officer, Banamali Prosad Saha.
District and Sessions Judge, Manindra Mohan Bhattacharya.
District Supdt. of Police, R. K. Gupta, I.P., J.P.
Add. Supdt. of Police, S. K. Mitra, I.P.S.
Income-tax Officer, D. Goswami.
District Inspector of Schools, Sunil Kumar Banerjee.
Subdivisional Officer, Sadar (North), S. Dutta.
Subdivisional Officer, Sadar (South), K. C. Ghosal.
Executive Engineer, Midnapur Division, Phanindra Chandra Roy.
Executive Engineer (East), J. K. Roy.
Executive Engineer (West), K. D. Dutta.
Executive Engineer, Construction, S. C. Bose.
Add. Civil Surgeon, Dr. N. C. Das Gupta.

University of Calcutta

Chancellor, Dr. H. C. Mukherjee, M.A., Ph.D. (Governor of West Bengal).
Vice-Chancellor, S. N. Banerjee, M.Sc., LL.B., Barrister-at-Law.
Registrar, Dr. Snehamay Datta, D.Sc. (Lond.), D.I.C., F.N.I.

DEANS OF FACULTIES.

Arts, Professor Sri Kumar Banerjee, M.A., LL.B., Ph.D.
Science, Professor Satyendranath Bose, M.Sc.
Law, S. N. Banerjee, M.Sc., LL.B., Barrister-at-Law.
Medicine, Dr. Lalit Mohan Banerjee, M.S. (Cal.), F.R.C.S. (Eng.).
Engineering, Dr. S. B. Sengupta, B.Sc., Ph.D. (Glas.), M.A.M.S.O.C.E., A.A.M. SOC.M.E., M.I.A.E.S.C., M.I.E. (Ind.).
Technology, Prof. S. K. Mitra, D.Sc., F.N.I.

MURSHIDABAD DISTRICT

Area of the district, 2,072.1 sq. miles.
 Population, 1,715,359.
 Names of Talukas (Subdivisions): Berhampur (Sadar), Lalbagh, Kandi and Jangipur.
 Main agricultural products: Paddy and Jute.
 Main industrial products: Bell-metal works, Ivory works and Silk Industries.

ADMINISTRATION

District Magistrate and Collector, J. C. Talukdar, I.A.S.
Additional District Magistrate and Collector, S. K. Mukherjee, I.A.S.
Superintendent of Agriculture, U. K. Nath Roy.
Assistant Registrar of Co-operative Societies, D. R. Mukherjee.
District Engineer, S. Mukherjee.
District Health Officer, Dr. B. G. Das.
Civil Surgeon, Dr. E. K. Datta.
District and Sessions Judge, S. C. Dutta.
District Superintendent of Police, K. B. Chakravorty.
Income-tax Officer, A. K. Banerjee.
District Inspector of Schools, S. Roy.
District Inspector of Schools, S. M. Halder.
District Publicity Officer, P. Banerjee.
Dy. Director of Agriculture, Dr. D. P. Roy Choudhury.
Superintendent of Post Offices, E. Miller.
Executive Engineer, Berhampur Division, H. K. Sethna.
Executive Engineer, Construction Division, B. B. Das Gupta.
Executive Engineer, Irrigation Division, S. K. Paul.

NADIA DISTRICT

Area of the District—4,509 sq. miles.
 Population—1,144,924.
 Principal agricultural products—Rice, other cereals and pulses, jute, fodder and oil seeds, sugarcane, fruits and vegetables.
 Principal industrial products—Cotton weaving, brass and bell-metal, pottery, sugar manufacture, oil industry, etc.

ADMINISTRATION

Collector, B. R. Gupta, I.A.S.
District Agricultural Officer, Anath Bandhu Mitra (Superintendent of Agriculture, Nadia).
District Co-operative Officer, Santu Ranjan Bhattacharjee (Asstt. Registrar of Co-operative Societies).
District Forest Officer, P. K. Roy (Divisional Forest Officer, Nadia).
District Health Officer, Dr. J. B. Chatterjee (Sub-Divisional Health Officer, Nadia).
District Medical Officer, Dr. N. C. Dewan (Civil Surgeon, Nadia).
District Sales Tax Officer, S. C. Addya; S. U. Sen.
District and Sessions Judge, Niranjan Banerjee.
District Superintendent of Police, Tarak Nath Banerjee.
District Inspector of Schools, K. R. Banerjee.

EDUCATIONAL INSTITUTIONS

PROFESSORS.

Sanskrit, Dr. S. K. Mukherjee, M.A., Ph.D. (Asutosh Professor).
Islamic Studies, Dr. M. Z. Siddiqui, M.A., LL.B., Ph.D. (Cantab.) (Asutosh Professor).
History, Dr. I. Banerjee, M.A., Ph.D. (Asutosh Professor).
Ancient Indian History and Culture, Prof. J. N. Banerjee, M.A., Ph.D. (Carmichael Professor and Prof. Stella Kramrisch, M.A., Ph.D.).
Philosophy, Prof. S. K. Maitra, M.A., Ph.D. (Acharya Brojendranath Seal Professor).
English, Dr. Mohanimohan Bhattacharyya, M.A., LL.B., Ph.D. (Sir Gorooodas Banerjee Professor).
Economics, Dr. J. P. Niyogi, M.A., Ph.D. (Lond.).
Fine Arts, Dr. N. B. Ray, M.A., D.Lit., Ph.D. (Leyden), Dip. Lib. (Lond.), F.R.A. (Bani Bageswari Professor of Indian Fine Arts).

24 PARGANAS DISTRICT

Area of the District—5,639.9 sq. miles.
 Population—4,609,309.
 Names of Subdivisions—Alipur, Barrackpore, Barasat, Basirhat, Bongaon and Diamond Harbour.
 Main agricultural product—Paddy.

ADMINISTRATION

Collector and District Magistrate, B. K. Banerji, I.A.S.
District Agricultural Officer, P. Roy.
District Co-operative Officer, M. N. Moltra.
District Engineer, S. N. Ghosh.
District Forest Officer, N. Pal.
District Health Officer, Dr. H. P. Brahma.
District Medical Officer, Dr. B. K. Das.
District Sales Tax Officer, C. K. Paul.
District and Sessions Judge, J. C. Mazumdar.
District Superintendent of Police, P. K. Basu.
Inspector of Schools, S. C. Sen.

WEST DINAJPUR DISTRICT

Area of the District—1,384.8 sq. miles.
 Population 720,573.
 Names of Subdivisions—Balurghat and Raiganj.
 Main agricultural products—The principal crops are winter rice (halimantia or aman), jute, Autumn or Bhadol rice, rape and mustard, sugarcane; cold weather crops such as pulses, tobacco and vegetables, chillies, an important crop in Kallaganj P.S. of this district.
 Main industrial products—Rice milling, cottage industry such as bidi manufacturing, rope making, cotton spinning and weaving, jute pressing and weaving.

ADMINISTRATION

Collector and District Magistrate, S. K. Banerjee.
Subdivisional Officer, Sadar, S. M. Mukherjee.
Subdivisional Officer, Raiganj, A. K. Mukherji.
Superintendent of Agriculture, N. Ray Choudhury.
Asstt. Registrar, Co-operative Societies, J. K. Sen Gupta.
Subdivisional Health Officer, K. K. Chakravorty.
District Medical Officer, C. R. Dutta.
District and Sessions Judge (Jalpaiguri, Darjeeling, West Dinajpur and Malda), R. N. Roy.
District Superintendent of Police, A. B. Chakravorty.
Inspector of Schools, S. K. Dhar.
A.R.C.P., A. K. Banerjee.
District Sub-Registrar, S. K. Ghosh.
Superintendent of Excise, S. K. Bandopadhyay.
District Publicity Officer, J. K. Chakravorty.
District Health Officer, A. C. Mitra.
Add. District Sessions Judge, Malda and West Dinajpur, B. C. Banik.
 (Particulars from the Districts of Calcutta and Malda had not been received when this section went to press).

Physics, Dr. Meghnad Saha, D.Sc., F.R.S. (Pallit Professor); Dr. Bisir Kumar Mitra, D.Sc., F.N.I. (Ghose Professor); S. N. Bose, M.Sc. (Khaira Professor).
Applied Physics, Dr. P. C. Mahanti, D.Sc., F.Inst. P. (Ghose Professor).
Chemistry, Prof. P. B. Ray, M.A., F.N.I. (Pallit Professor); Dr. P. B. Sarkar, M.Sc., D.Sc., F.N.I. (Ghose Professor); Dr. J. C. Bardhan, D.Sc. (Cal. & Lond.) (Khaira Professor).
Applied Chemistry, Dr. B. C. Guha, D.Sc. (Lond.), Ph.D. (on leave); Dr. M. N. Goswami, M.A., Dr. ES.Sc. (Actg.) (Ghose Professor).
Agricultural Chemistry (Vacant) (Sir P. C. Ray Professor).
Psychology, Dr. S. C. Mitra, M.A., D.Phil. (Leipzig).
Mathematics, Dr. Haridas Bagchi, M.A., Ph.D. (Hardinge Professor); B. M. Sen, M.A. (Cantab.), M.Sc. (Emeritus).
Applied Mathematics, Dr. Nikhilaranjan Sen, M.A., Ph.D., D.Sc. (Ghose Professor).

Zoology, Dr. Himadri Coomar Mookerjee, D.Sc. (Lond.), D.I.C. (Sir Nilratan Sircar Professor).
Botany, Dr. P. C. Sarbadhikari, D.Sc. (Lond.), Ph.D. (Lond.), D.I.C., F.L.S. (Ghose Professor).
Indian Linguistics and Phonetics, Dr. Sunil Kumar Chatterjee, M.A., D.Litt. (Emeritus Professor).
Agriculture, Dr. P. K. Sen, M.Sc., Ph.D. (Lond.), D.I.C. (Khaira Professor).
Anthropology, Kshilprasad Chattopadhyay, M.Sc. (Cantab.).
Modern Indian Languages, Prof. S. K. Banerjee, M.A., LL.B., Ph.D. (Ramtanu Lahiri Professor).
Pali, Dr. N. Dutt, M.A., LL.B., Ph.D., D.Phil.
Physiology, Dr. B. B. Sarkar, D.Sc., F.R.S.E.
Political Science, D. N. Banerjee, M.A. (Surendranath Banerjee Professor).
Geography, Dr. S. P. Chatterjee, M.Sc., Ph.D. (Lond.), T.D. (Lond.), F.C.S.
Geology, Prof. N. N. Chatterjee, M.Sc.

COLLEGES

Note.—Institutions for women are shown in italics

Government Arts Colleges

PRESIDENCY COLLEGE, 86/1, College Street, Calcutta.
 SANSKRIT COLLEGE, 1, Bankim Chatterjee Street, Calcutta.
 CENTRAL CALCUTTA COLLEGE, 8, Wellesley Street, Calcutta.
 HOOGHLY MOHSIN COLLEGE, Chinsurah, Hooghly.
 KRISHNANAGAR COLLEGE, Krishnanagar.
 VICTORIA COLLEGE, Cooch-Behar.
 DARJEELING GOVERNMENT COLLEGE, Darjeeling.
 VICTORIA INSTITUTION (Intermediate Classes attached), Dow Hill, Kurseong.
 RETHUNE COLLEGE, 181, Cornwallis Street, Calcutta.
 LADY BRAHOURNE COLLEGE, Pt-2, Sukhawardy Avenue, Calcutta.

Non-Government Arts Colleges (permanently aided by Government)

CITY COLLEGE, 102/1, Amherst Street, Calcutta (Girls' Section aided by Government).
 SCOTTISH CHURCH COLLEGE, 4, Cornwallis Square, Calcutta.
 ST. PAUL'S CATHEDRAL MISSION COLLEGE, 33/1, Amherst Street, Calcutta.
 ST. XAVIER'S COLLEGE, 30, Park Street, Calcutta.
 NARASINGHA DUTTA COLLEGE, 129, Bellilos Road, Howrah.
 RAMKRISHNA MISSION VIDYAMANDIR, Belur Math, Howrah.
 RAMSADAY COLLEGE, Amta, Howrah.
 SERAMPORE COLLEGE, Serampore, Hooghly.
 UTTARPARA COLLEGE, Uttarpara, Hooghly.
 ASANSOL COLLEGE, Asansol, Burdwan.
 KRISHNA CHANDRA COLLEGE, Hetampore, Birbhum.
 VIDYASAGAR COLLEGE, Suri, Birbhum.
 BANKURA CHRISTIAN COLLEGE, Bankura.
 RAMANANDA COLLEGE, Vishnupur, Bankura.
 MIDNAPUR COLLEGE, Midnapur.
 PROVAT KUMAR COLLEGE, Contai, Midnapur.
 KRISHNATH COLLEGE, Berhampur.
 MALDA COLLEGE, Malda.
 ANANDA CHANDRA COLLEGE, Jalpaiguri.
 MURALIDHAR GIRLS' COLLEGE, Ballygunge, Calcutta.
 SOUTH CALCUTTA GIRLS' COLLEGE, 21, Shamananda Road, Calcutta.
 VICTORIA INSTITUTION, 78B, Upper Circular Road, Calcutta.
 BERHAMPUR GIRLS' COLLEGE, Berhampur.

Non-Government Arts Colleges

CHABU CHANDRA COLLEGE, 6, Sarat Chatterjee Avenue, Calcutta.
 NETAJI SUBHAS COLLEGE, 227/2, Lower Circular Road, Calcutta.
 SHIBPUB DINABANDHU INSTITUTION, 412/1, Grand Trunk Road, Howrah.

NETAJI MAHAVIDAYLAYA, Arambagh, Hooghly.
 KALNA COLLEGE, Kalna, Burdwan.
 KATWA COLLEGE, Katwa, Burdwan.
 SHAMSUNDAR COLLEGE, Aharbelma, Burdwan.
 GARBETA COLLEGE, Garbeta, Midnapur.
 MAHISADAL RAJ COLLEGE, Mahisadal, Midnapur.
 TAMLUK TAMRALIPTA MAHAVIDYALAYA, Midnapur.
 BASIRHAT COLLEGE, Basirhat, 24-Parganas.
 BONGAON DINABANDHU MAHAVIDYALAYA, Bongaon, 24-Parganas.
 GOBARDANGA HINDU COLLEGE, Gobardanga, 24-Parganas.
 RISHI BANKIM CHANDRA COLLEGE, Naihati, 24, Parganas.
 SANTIPUR COLLEGE, Santipur, Nadia.
 BALURGHAT COLLEGE, Balurghat, West Dinajpur.
 RAIGANJ COLLEGE, Raiganj, West Dinajpur.
 WOMEN'S CHRISTIAN COLLEGE, 6, Greek Church Road, Calcutta.
 WOMEN'S COLLEGE, 204, Cornwallis Street, Calcutta.
 HOWRAH GIRLS' COLLEGE, Howrah.
 HOOGHLY WOMEN'S COLLEGE, Chinsurah, Hooghly.

Unaided Colleges

ASHUTOSH COLLEGE, 7, Russa Road, Calcutta.
 BANGABASI COLLEGE, 25/1, Scott Lane, Calcutta.
 LA MARTINIÈRE COLLEGE, 11, London Street, Calcutta.
 MAHARAJA MANINDRA CHANDRA COLLEGE, 20, Ramkanta Bose Street, Calcutta.
 R. G. KAR MEDICAL COLLEGE, I. Sc. Department, 1, Belgachia Road, Calcutta.
 SETH ANANDARAM JAIPURIA COLLEGE, 10, Raja Nabakishen Street, Calcutta.
 ST. JOSEPH'S COLLEGE, 69, Bowbazar Street, Calcutta.
 SUBENDRA NATH COLLEGE, 24, Harrison Road, Calcutta.
 VIDYASAGAR COLLEGE, 39, Sankar Ghosh Lane, Calcutta.
 ULUBERIA COLLEGE, Uluberia, Howrah.
 BURDWAN RAJ COLLEGE, Burdwan.
 VISVA-BHARATI SANTINIKETAN, Birbhum.
 BANKURA SAMMILANI COLLEGE, Bankura.
 JHARGRAM AGRICULTURAL COLLEGE, Jhargram, Midnapur.
 KHARAGPUR COLLEGE, Kharagpur, Midnapur.
 FAKIR CHAND COLLEGE, Diamond Harbour, 24, Parganas.
 VIDYASAGAR COLLEGE, Nabadwip, Nadia.
 SCOTTISH UNIVERSITIES MISSION COLLEGE, Kalimpong, Darjeeling.
 SONADA SALESIAN COLLEGE, Sonada, Darjeeling.
 ST. JOSEPH'S COLLEGE, Darjeeling.
 ST. PAUL'S COLLEGE, Jalapahar, Darjeeling.
 GOKHALE MEMORIAL GIRLS' COLLEGE, 1/1, Harish Mukherjee Road, Calcutta.
 LORETO HOUSE (for Girls), 7, Middleton Row, Calcutta.
 ST. HELEN'S COLLEGE, Kurseong, Darjeeling.
 CHANDERNAGORE COLLEGE, Chandernagore, Hooghly.
 IMPHAL DHANAMANJURI COLLEGE, Imphal, Manipur.
 AGARTALA MAHARAJA BIR BIKRAM COLLEGE, Agartala, Tripura State.
 SRIPAT SINGH COLLEGE, Jhaganj, Murshidabad.

* Affiliated to Calcutta University.

Professional Colleges—Training Colleges (Government)

DAVID HARE TRAINING COLLEGE, 25/3, Ballygunge Circular Road, Calcutta.
 COLLEGE OF PHYSICAL EDUCATION FOR MEN, 30, Kankurgachi 3rd Lane, Narkeldanga, Calcutta.

BAIGACHI BASIC (PRIMARY) TRAINING COLLEGE, Post Office Tababaria, 24, Parganas.

BASIC (PRIMARY) TRAINING COLLEGE FOR WOMEN, Hastings House, Calcutta.

Aided.

BERHAMPURE UNION CHRISTIAN TRAINING COLLEGE, Berhampur.
 TRAINING CLASS ATTACHED TO THE SCOTTISH CHURCH COLLEGE (FOR GIRLS), 4, Cornwallis Square, Calcutta.

Unaided.

TRAINING CLASSES ATTACHED TO LORETO HOUSE (FOR GIRLS), 7, Middleton Row, Calcutta.
 UNIVERSITY TEACHERS' TRAINING DEPARTMENT, 95, Russa Road, Calcutta.

Engineering

Government.

BENGAL ENGINEERING COLLEGE, Post Office Botanic Garden, Howrah.

Aided.

COLLEGE OF ENGINEERING AND TECHNOLOGY, Jadavpur (affiliated to National Council of Education).

Medical

Government.

NILRATAN SIRCAR MEDICAL COLLEGE, 138, Lower Circular Road, Calcutta.
 LAKE MEDICAL COLLEGE, Southern Avenue, Calcutta.
 MEDICAL COLLEGE, 88, College Street, Calcutta.
 SCHOOL OF TROPICAL MEDICINE, Central Avenue, Calcutta.

Veterinary.

VETERINARY COLLEGE, Belgachia, Calcutta.

Private.

R. G. KAR MEDICAL COLLEGE, 1, Belgachia Road, Calcutta.
 CALCUTTA NATIONAL MEDICAL INSTITUTION, 32, Gorachand Road, Calcutta.
 SURENDRA NATH LAW COLLEGE, 24, Harrison Road, Calcutta.
 UNIVERSITY LAW COLLEGE, Calcutta.

SPECIAL INSTITUTIONS

Government.

GOVERNMENT COMMERCIAL INSTITUTE, 15, Netaji Subhas Road, Calcutta.
 GOVERNMENT SCHOOL OF ART, 28, Chowringhee Road, Calcutta.
 BAIGACHI GOVERNMENT BASIC TRAINING SCHOOL, No. 1, Post Office Tababaria, 24, Parganas.
 BAIGACHI GOVERNMENT BASIC TRAINING SCHOOL, No. 2, Post Office Tababaria, 24, Parganas.

TECHNICAL AND INDUSTRIAL INSTITUTIONS

MAHARAJA COSSIMBAZAR POLYTECHNIC INSTITUTE, 3, Nanda Lal Bose Lane, Calcutta.
 CALCUTTA DEAF AND DUMB SCHOOL, 293, Upper Circular Road, Calcutta.
 BHARATI VIDYALAYA, 35/2, Bradon Street, Calcutta.
 MUSLIM ORPHANAGE INDUSTRIAL SCHOOL, 8, Syed Saleh Lane, Calcutta.
 KARAYA INDUSTRIAL SCHOOL, 8, Naalrudin Road, Calcutta.
 CALCUTTA ORPHANAGE TECHNICAL SCHOOL, 1/1, Baram Ghose Street.
 THE REFUGEE, 125, Bowbazar Street, Calcutta.
 ALL-INDIA LIGHT HOUSE FOR THE BLIND, 27, Russa Road.
 L. M. S. BOYS' INDUSTRIAL SCHOOL, Kaurapukur, Tollygunge.

ST. GABRIEL'S INDUSTRIAL SCHOOL, Canning, 24, Parganas.
CALCUTTA BLIND SCHOOL, Behala, 24, Parganas.
SRIRAM INDUSTRIAL SCHOOL, Sultanpur, Birbhum.
DEAF AND DUMB SCHOOL, Suri, Birbhum.
BENGAL AFTER-CARE ASSOCIATION, Bally, Howrah.
B. P. TECHNICAL SCHOOL, Krishnanagar.
DEAF AND DUMB SCHOOL, Murshidabad.
MONERLY TECHNICAL SCHOOL, Hooghly.
MALIARA INDUSTRIAL SCHOOL, Bankura.
COLLEGE OF AERONAUTICAL SERVICES, P-37, Mission Row Extension, Calcutta 13.
BANIPITH GIRLS' INDUSTRIAL SCHOOL, 57/3, Raja Dinendra Street, Calcutta.
BANI MANDIR GIRLS' INDUSTRIAL SCHOOL, 2, Williams Lane, Calcutta.
BALLYGUNGE SILPA VIDYALAYA, 14, Ballygunge Place, Calcutta.
DESHABANDHU SILPA SIKSHALAYA, 124/1, Russa Road, Calcutta.
SHAMSIA GIRLS' INDUSTRIAL SCHOOL, 6, Palm Avenue, Ballygunge, Calcutta.
MUSLIM GIRLS' FREE INDUSTRIAL SCHOOL, 52/D, Bright Street, Calcutta.
LORETO CONVENT INDUSTRIAL SCHOOL, Morapai, Mograhal, 24, Parganas.
VAGINI NIVEDITA GIRLS' INDUSTRIAL SCHOOL, Uttarpara, Hooghly.
MISSION GIRLS' INDUSTRIAL SCHOOL, Bankura.
KRISHNANAGAR MAHILA SAMITY, Krishnanagar.
R. C. GIRLS' INDUSTRIAL SCHOOL, Nabadwip.

GOVERNMENT-SPONSORED TECHNICAL SCHOOLS

KALIKATA SHILPA VIDYAPITH, 13, Jamir Lane, Ballygunge, Calcutta 19.
VISHNUPUR K. G. ENGINEERING INSTITUTE, Post Office Vishnupur, Bankura.
THE MAHARAJADHIRAJ SIR BEJOY CHAND INSTITUTE OF ENGINEERING AND TECHNOLOGY, Burdwan.

HIGH SCHOOLS

Note.—* indicates "Provisionally recognised."
M.T.—Manual Training (Class attached, and
S.F.—School Final (Class attached).
 Institutions for women are shown in Italics.

Government High Schools, Calcutta

BALLYGUNGE HIGH SCHOOL (M. T.), Ballygunge, 38/2, Beltola Road.
BETHUNE COLLEGIATE SCHOOL FOR GIRLS, 181, Cornwallis Street.
CALCUTTA MADRASAH (ANGLO-PERSIAN DEPARTMENT), 21, Wellesley Square.
HARE SCHOOL, 87, College Street.
HINDU SCHOOL, 87, College Street.
SAKHAWAT MEMORIAL GIRLS' HIGH SCHOOL, 17, Lord Sinha Road.
SANSKRIT COLLEGIATE SCHOOL, 1, Bankim Chatterjee Street.

Aided High Schools, Calcutta

ARYA VIDYALAYA, 19, Cornwallis Street.*
ADARSHA VIDYAMANDIR, 52, Mirzapur Street.*
ANJUMAN BOYS' HIGH SCHOOL, 31, Mañdul Islam Lane.*
ADIMAHAKALI PATHSALA GIRLS' SCHOOL, 35C, Kailash Bose Street.*
ANJUMAN GIRLS' SCHOOL, 20, Noor Ali Lane, Entally.*
BAGBAZAR HIGH SCHOOL, 29A, Bose Para Lane.
BRAHMO BOYS' HIGH SCHOOL, 31, Jhampukur Lane.
BRUTNATH MAHAMAYA HIGH SCHOOL, 9, Tengra Road.
BALLYGANJ JAGABANDHU INSTITUTION, 25, Fern Road, Ballyganj.
BELGACHIA MANOHAR ACADEMY (M.T.), 5/1, Olai Chandi Road, Belgachia.

BALLYGANJ GIRLS' HIGH SCHOOL, 14, Ballyganj Place.*
BRAHMO GIRLS' SCHOOL, 204, Upper Circular Road.
BANKIM GHOSE MEMORIAL GIRLS' SCHOOL, 22A & B, Mohan Chand Road, Kidderpore.*
BANIPITH GIRLS' SCHOOL, 57/3, Raja Dinendra Street.*
B. M. S. GIRLS' SCHOOL, 84, Dr. Suresh Sarkar Road, Entally.*
BINAPANI GIRLS' SCHOOL, 49/2A, Beadon Row.*
BELTALA GIRLS' SCHOOL, 17, Beltala Road.
BANI MANDIR GIRLS' HIGH SCHOOL, 2, Williams Lane.
CATHEDRAL MISSION HIGH SCHOOL, 46, Elgin Road.
COSSIPUR HARI SANKAR BANIPITH, 20/1, Ratan Babu Road, Cossipur.*
CALCUTTA GIRLS' ACADEMY, 22/2, Fern Road, Ballyganj.
CHETLA GIRLS' SCHOOL, 66/1, Joynuddin Mistri Lane.*
DESHAPRAN BIRENDRA NATH INSTITUTION, 3, Rajani Sen Road.*
DESHAPRAN BIRENDRA NATH INSTITUTION FOR GIRLS, 34/35, Russa Road.*
DESHBANDHU BALIKA VIDYALAYA, 58/A, Sadananda Road, Koltighat.*
GOKHALE MEMORIAL GIRLS' SCHOOL, 1/1A, Harihar Mukherjee Road.*
ISLAMIA HIGH SCHOOL, 44, Benlapukur Road.*
JEEVA SHIVA MISSION GIRLS' SCHOOL, 11/3, Christopher Road.*
KHALSA HIGH SCHOOL, 73, Paddapukur Road.*
KESHAB ACADEMY, 148, Ramdulal Sarkar Street.
KHIDERPORE MILANI HIGH SCHOOL, 8/1, Braunfield Row, Mominpur.*
KALIDHAN INSTITUTION FOR GIRLS, 20A & B, Southern Avenue.*
KAMALA GIRLS' SCHOOL, 19, Deshapriya Park Road.*
KUMUDINI KANYA VIDYALAYA, 5/1, Olai Chandi Lane, Belgachia.*
LAKE VIEW HIGH SCHOOL, 65, South End Park, Post Office Ballyganj.*
LAKE SCHOOL FOR GIRLS, 159, Lansdowne Road.*
MAHARAJA COSMIBAZAR POLYTECHNIC INSTITUTE (M.T.), 3, Nandlal Bose Lane.
MAHENDRA SRIMANI SRI VIDYANIKETAN, 26, Nilmoni Mitra Street.*
MATHURANATH HIGH SCHOOL, 21, Dr. Suresh Sarkar Road.*
MURALIDHAR GIRLS' SCHOOL, 4, Hindu-dhan Road.*
MAHAJATI SEVAK SAMITY GIRLS' SCHOOL, 83C, Durga Charan Mitra Street.*
NARI SIKSHA MANDIR, 181, Cornwallis Street.*
PRESIDENCY MUSLIM HIGH SCHOOL, 28, Zakariah Street.*
PROFULLA PRATAP VIDYAYATAN, 116A, Mechuabazar Street.*
PARK CIRCUS HIGH SCHOOL, 72, Beck Bagan Row.*
PEARY CHARAN GIRLS' SCHOOL, 146, Tarak Pramanik Road.*
PRESIDENCY SCHOOL FOR GIRLS, 4/20, Fern Road, Ballyganj.*
RAJENDRA VIDYA BHABAN (SOUTHERN ACADEMY), 113A & B, Russa Road.*
RANI BHABANI HIGH SCHOOL, 16A & B, D. L. Roy Street.
RAM KRISHNA MISSION NIVEDITA GIRLS' SCHOOL, 5, Nivedita Lane, Bag-bazar.*
SHYAMBAZAR A. V. HIGH SCHOOL, 126, Shyambazar Street.
SHYAMBAZAR HIGH SCHOOL, 17A, Santl Ghose Street.*
ST. PAUL'S HIGH SCHOOL, 33/1, Amherst Street.*
SOUTH CALCUTTA NATIONAL HIGH SCHOOL, 3, Lansdowne Lane.*

ST. BARNABAS HIGH SCHOOL, 21, Dent Mission Road, Khiderpore.
ST. MARY'S GIRLS' SCHOOL, 1, Convent Lane.*
SAROJINI HINDU GIRLS' SCHOOL, 8, Middle Road.*
SIR R. C. MITTER GIRLS' SCHOOL, 15, Joyesh Mitter Road, Bhowanipur.*
SHYAMBAZAR BALIKA VIDYALAYA, 45, Rose Para Lane.*
SURA KANYA VIDYALAYA, 27A, Hara Mohan Ghose Lane, Beliaghata.*
ST. MARGARET GIRLS' SCHOOL, 19, Duff Street.
ST. JOHN'S DIOCESAN GIRLS' SCHOOL, 17, Lansdowne Road.
SISHU VIDYAPITH GIRLS' SCHOOL, 22, Tarak Dutta Road.*
SUNITI SIKSHALAYA, 148, Ramdulal Sarkar Street.*
UNITED MISSIONARY GIRLS' SCHOOL, 3, Ashutosh Mukherjee Road.
VIDYABHABAN HIGH SCHOOL, 30/1, Beadon Row.*
VICTORIA INSTITUTION, 78B, Upper Circular Road.

Unaided High Schools, Calcutta

ATHENEUM INSTITUTION, 100A, Garpar Road.*
ANGLO-GUZRATI SCHOOL, 28, Pollock Street.*
ADARSHA HINDI HIGH SCHOOL, 4, Paddapukur Road.*
A. C. VIDYAMANDIR, 109/2, Lake Road.
A. T. MITRA INSTITUTION, 56C, Garcha Road.
ARYA KANYA MAHAVIDYALAYA, 20, Cornwallis Street.*
ADARSHA HINDI GIRLS' SCHOOL, 4, Paddapukur Road.*
BIHARATI BOYS' HIGH SCHOOL, 1, Gour Chandra Laha Street.*
BOW BAZAR HIGH SCHOOL, 170, Bow Bazar Street.
BANGABASHI COLLEGIATE SCHOOL, 8/1, St. James Square.
BENJAPURKUR VIDYAPITH, 31, Linton Street.*
BELIAGHATA DESHBANDHU HIGH SCHOOL, 69B, Sura First Lane.*
BHARATI GIRLS' SCHOOL, 1, Gour Laha Street.*
BELIAGHATA DESHBANDHU GIRLS' SCHOOL, 95, Raja Rajendra Lal Mitra Road.*
BIHARATI VIDYALAYA (BOYS'), 35/2, Beadon Street.
BHARATI MAHAVIDYALAYA GIRLS' SCHOOL, 170, Maniktala Street.*
CENTRAL COLLEGIATE SCHOOL, 23/5A, Moy Bagan Lane.
CALCUTTA JUBILEE INSTITUTION, 66, Masjidbari Street.*
CALCUTTA ACADEMY, 72, Amherst Street.*
CALCUTTA HINDU ACADEMY, 50, Amherst Street.
CALCUTTA TRAINING ACADEMY, 13, Simla Street.
CITY COLLEGIATE SCHOOL, 13, Mirzapur Street.
CHANDI CHARAN HIGH SCHOOL, 97/1, Serpentine Lane.*
COLLIN'S INSTITUTION, 140, Dharamtala Street.
CHAKRABARTI HIGH SCHOOL, 23/1, Chakraborti Road (South).
CHETLA BOYS' HIGH SCHOOL, 29/2, Chetla Central Road.
COSSIPUR INSTITUTION, 15/1, Ratan Babu Road.*
COSSIPUR INSTITUTION FOR GIRLS, 15/1, Ratan Babu Road.*
CALCUTTA GIRLS' HIGH SCHOOL, 162, Dharamtala Street.
DIDOO MOHESWARI VIDYALAYA, 377B, Upper Chitpur Road.*
ENTALLY ACADEMY, 53, Police Hospital Road, Entally.

GOPESWAR DUTTA FREE HIGH SCHOOL, 57B, Barrackpore Trunk Road.
GIRINDRA BALIKA VIDYALAYA, 170, Bowbazar Street.*
HARA NATH FREE HIGH SCHOOL, 78, Bagbazar Street.*
HINDI HIGH SCHOOL, 1, Lower Circular Road.*
KAMALA HIGH SCHOOL, 28, W. C. Banerjee Road.
KALIGHAT HIGH SCHOOL, 50, Mohim Halder Street.
KALIGHAT ORIENTAL ACADEMY, 1, Apurba Kumar Mitra Road.*
KIDDERPORE ACADEMY, 35, Ramkamal Street.
KALIDHAN INSTITUTION, 20A & B, South-ern Avenue.
KALIGHAT TIRTHPATI INSTITUTION, 142/1, Rashbehari Avenue.*
KUMAR ASHUTOSH INSTITUTION, 93, South Sinter Road.*
KUMAR ASHUTOSH INSTITUTION (PAD-DAPARA BRANCH), 34, Raja Manindra Street.*
KALIGHAT MAHAKALI PATHSALA, 46, Mohim Halder Street.*
LORETO HOUSE, 7, Middleton Row.
LORETO DAY SCHOOL FOR GIRLS, 122, Lower Circular Road.*
LORETO DAY SCHOOL FOR GIRLS, 65, Bowbazar Street.*
LAKE VIEW SCHOOL FOR GIRLS, 65, South End Park, Ballygunj.*
METROPOLITAN INSTITUTION (MAIN), 39, Sankar Ghose Lane.*
MANIKTALA HIGH SCHOOL, 58/4A, Raja Dinendra Street.*
METROPOLITAN INSTITUTION (BARA-BAZAR BRANCH), 10, Prasanna Kumar Tagore Street.
M. L. JUBILEE INSTITUTION, 29, Mirzapur Street.
MITRA INSTITUTION (MAIN), 69, Mirzapur Street.
MITRA INSTITUTION (BHOWANIPUR BRANCH), 16A, Baram Ghat Road.
MADHUSUDAN VIDYAPITH, 86, College Street.*
METROPOLITAN INSTITUTION (HOW-BAZAR BRANCH), 39, Creek Row.*
MODERN SCHOOL, 2A & B, North Range.*
MODEL HIGH SCHOOL, 1, Lansdowne Lane.*
MOHINI MOHAN UCHHA VIDYALAYA, 16M, Dover Lane.*
MOMIN HIGH SCHOOL, 50, Charakdanga Road.*
MARWARI BALIKA VIDYALAYA, 29, Banstola Lane, Barrabazar.*
METROPOLITAN INSTITUTION (GIRLS' SECTION), 39, Sankar Ghose Lane.*
MANIKTALA GIRLS' SCHOOL, 58/4A, Raja Dinendra Street.*
NASERUDDIN MEMORIAL HIGH SCHOOL, 29, Kansarpura Road, Bhowanipur.*
NATIONAL HIGH SCHOOL, 104, Lansdowne Road.*
NARKELDANGA GEORGE HIGH SCHOOL, 50, Charakdanga Road.
ORIENTAL SEMINARY, 336, Upper Chitpur Road.
ORIENTAL TRAINING ACADEMY, 4/1, Wellington Square.*
ORIENTAL GIRLS' SCHOOL, 336, Upper Chitpur Road.*
PARK INSTITUTION, 12, Mohan Lal Street.
PUDDOPOKUR INSTITUTION, 44, Lansdowne Road.
BANI RASHMONI HIGH SCHOOL, 65A, Surendra Nath Banerjee Road.*
RAMRICK INSTITUTION, 20, Justice Dwarka Nath Road.*
RAJA MANINDRA MEMORIAL HIGH SCHOOL, 59, Barrackpur Trunk Road.*
RAMJOY SEAL SISHU PATHSALA, 15/4, Fakir Chakraborty Lane.*
SHYAMBHAR VIDYASAGAR HIGH SCHOOL, 100, Shyambazar Street.*
SAILENDRA SARKAR INSTITUTION, 62A, Shyampukur Street.

SARADA CHARAN ARYAN INSTITUTION, 206B, Upper Chitpur Road.
SCOTTISH CHURCH COLLEGIATE SCHOOL, 73, Cornwalls Street.
SADHAK RAM PROSAD HIGH SCHOOL, 39, Grey Street.*
SHYAMAPADA INSTITUTION, 206, Viveka-nanda Road.*
SREE MAHESWARI VIDYALAYA, 4, Sova Ram Basak Street.*
SEAL'S FREE HIGH SCHOOL, 127, Chitta-ranjan Avenue.
SREE VISUDDHANANDA SARASWATI VIDYALAYA, 160A, Chittaranjan Avenue.
SARASWAT KSHATRIYA VIDYALAYA, 4, Barman Street.*
SRI SANATAN DHARMA VIDYALAYA, 4D, Mechubazar Street.*
SURENDRA NATH COLLEGIATE SCHOOL, 24, Harrison Road.
ST. ANTHONY'S HIGH SCHOOL, 19, Market Street.
ST. XAVIER'S COLLEGIATE SCHOOL, 30, Park Street.
SOUTH SUBURBAN SCHOOL (MAIN), 1 & 16, Gopal Banerjee Street.
SOUTH SUBURBAN SCHOOL (BRANCH), 110, Lansdowne Road.
SATYABHAMA INSTITUTION FOR BOYS, 41A, Ekdalla Road.*
ST. LAWRENCE HIGH SCHOOL, 27, Ballygunj Circular Road.
SAHANAGORE HIGH SCHOOL, 38, Tollygunj Circular Road.*
SABITRI SIKSHALAYA, 3, Nandadal Bose Lane, Bagbazar.*
SARASWATI BALIKA VIDYALAYA, 15/2, Baram Ghat Street.*
TOWN SCHOOL, 33, Shyampukur Street.
TALTOLA HIGH SCHOOL, 55A, Surendra Nath Banerjee Road.
ULTADANGA UNITED HIGH SCHOOL, 23A, Ultadanga Road.*
VICTORIA GIRLS' SCHOOL, 226, Russa Road, Calcutta.*
YOUR OWN HOME, 38B, Raja Dinendra Street.*

ANGLO-INDIAN HIGH SCHOOLS Calcutta

ST. JOSEPH'S COLLEGE, 69, Bowbazar Street (Aided).
LA MARTINIÈRE (BOYS'), 11, Loudon Street, Calcutta (Aided).
ARMENIAN COLLEGE AND PHILANTHRO-PIC ACADEMY, 10, Hungerford Street, Calcutta (Unaided).
CALCUTTA BOYS' SCHOOL, 72, Corporation Street, Calcutta (Aided).
ST. THOMAS' BOYS' SCHOOL, 4, Diamond Harbour Road, Kidderpore, Calcutta (Aided).
ST. THOMAS' GIRLS' SCHOOL, 4, Diamond Harbour Road, Kidderpore, Calcutta (Aided).
LORETO CONVENT, 1, Convent Lane, Entally, Calcutta (Aided).
ST. JAMES' SCHOOL, 165, Lower Circular Road, Entally, Calcutta (Aided).
ST. PAUL'S MISSION SCHOOL, 5, Scotts Lane, Calcutta (Aided).
LORETO DAY SCHOOL, 65, Bowbazar Street, Calcutta (Aided).
LORETO DAY SCHOOL, 122, Lower Circular Road, Calcutta (Aided).*

Burdwan

ST. PATRICK'S SCHOOL, Asansol, Burdwan (Aided).
ST. VINCENT DE PAUL'S SCHOOL, Asansol, Burdwan (Aided).

Darjeeling

VICTORIA BOYS' SCHOOL, Kurseong, Dar-jeeling (Government).
ST. PAUL'S SCHOOL, Jalapahar, Darjeeling (Aided).*

ST. HELEN'S CONVENT SCHOOL, Kurseong Darjeeling (Aided).*

ST. JOSEPH'S COLLEGE, North Point, Dar-jeeling (Unaided).*

DR. GRAHAM'S HOME, Kalimpong, Darjeeling (Aided).*

VISVA-BHARATI UNIVERSITY

Santiniketan, West Bengal

AIMS AND OBJECTS : To study the mind of Man in its realization of different aspects of truth from diverse points of view.

And with such ideals in view to provide at Santiniketan a centre of culture where research into and study of the religion, literature, history, science and art of Hindu, Buddhist, Jain, Islamic, Sikh, Christian and other civilizations may be pursued along with the culture of the West, with that simplicity in externals which is necessary for true spiritual realization, in amity, good fellowship and co-operation between the thinkers and scholars of both Eastern and Western countries, free from all antagonisms of race, nationality, creed or caste.

Visva-Bharati is an all-India institution with students and teachers drawn from all over India and there is always a fair mingling of teachers, students and visitors from abroad. Students live a community life, dining in the same halls (with separate arrangements for vegetarians and non-vegetarians), playing in the same spacious play-grounds close to the hostels, organizing common socials, picnics, excursions, literary and musical entertainments.

Besides a central general library (containing about 100,000 volumes), there are sectional libraries attached to various departments. The University has its own hospital with a medical officer and his assistants. The Guest House, which makes catering arrangements of its own, is open to visitors and guardians.

Besides the academic institutions, the University conducts two Departments : one for Rural Reconstruction and the other for Publication of Books. The Pulli-Sangathan Vibhaga (Rural Reconstruction Institute) at Sriniketan is concerned mainly with a comprehensive study of the problems of rural life in its social, cultural, economic and other aspects and extension work in the villages. The Institute maintains a model primary school for rural children, a teachers training school for serving primary education in rural areas as well as an agency for propagation of folk education and social education. There is a section for rural industries where training is provided to apprentices in a variety of crafts.

Chancellor : Jawaharlal Nehru.

Vice-Chancellor : Rathindranath Tagore, B.Sc. (Illinois).

Registrar : Nisikanta Sen, M.A.

Principals :

Vidyabhavana, Dr. Prabodh Chandra Bagchi, Dr.-es-lettres (Paris).

Sikshabhavana, Hirendranath Datta, M.A. (Oxf.).

Sangitbhavana, Sallajaranjan Majumdar, M.Sc.

Kalabhavana, Surendranath Kar.

Pathabhavana, Gopal K. Chatterji, M.Ed.

Vinayabhavana, Kulada Prasad Chaudhuri, M.A., Ph.D. (Lond.) (Oxf.).

Cheerabhavana, Tan Yun-Shan.

Hindibhavana, Mohanlal Bajpai, M.A. (Oxf.).

Director, Rural Reconstruction Institute, Dhira-nanda Roy.

Director, Publishing Department, Charuchandra Bhattacharya, M.A.

Librarian, Central Library, Prabhat Kumar Mukherji.

* Affiliated to Calcutta University.

SOCIETIES, ASSOCIATIONS AND OTHER INSTITUTIONS

AGRICULTURAL AND
HORTICULTURAL SOCIETY (OF INDIA,
CALCUTTA)

Patron.—The President of the Republic of India.

Vice-Patron.—His Excellency the Governor of West Bengal.

General Objects and Utility.—The development of horticulture in India and the encouragement, promotion, extension and improvement thereof in all its branches.

Member. Annual subscription Rs. 40. Entrance fee Rs. 10. Associate, Entrance fee Rs. 5. Annual subscription Rs. 20. Life Membership Rs. 600. *Secretary*: S. Percy-Lancaster, F.L.S., F.R.H.S., M.B.A.S., 1, Allpore Road, Allpore.

AKHIL BHARAT LOK-BRATI SANGH

(79-3/A, Lower Circular Road, Calcutta 14).

Object: Social Service.

Life-President, Dr. H. Mukerji, M.D.

Founder and Working President, Dr. Shankar Mukerji.

General Secretary, Mr. Amiya K. Ganguli, M.A., B.L.

ALL BHARAT TEACHERS' ASSOCIATION

15, Bankim Chatterjee Street, Calcutta 12.

Nature of Body: Educational.

Office-Bearers, Manoranjan Sen Gupta (*President*); Satyapriya Roy (*Hony. General Secretary*); Srimati Anila Devi (*Editor, Teachers' Journal*).

ALL-INDIA MARWARI FEDERATION

152-B, Harrison Road, Calcutta 7.

Nature of Body: Social.

Office-Bearers, Brij Lal Blyant (*President*); Iswar Das Jalan (*Vice-President*); Nand Kishore Jalan (*General Secretary*) (*Hony.*).

ALL-INDIA S. P. C. A.

276, Bow Bazar Street, Calcutta.

Nature of Body: Animal Welfare.

Office-Bearers, K. L. Jaitla (*President*); Sir S. N. Roy and E. Lyne (*Vice-Presidents*); Leslie W. Newbond (*Secretary*).

ARYA SAMAJ

19, Cornwallis Street, Calcutta

Nature of Body: Religious.

Office-Bearers, Raghunandan Lal (*President*); Guman Singh (*Secretary*); S. M. Ghilya (*Treasurer*).

ARYA SAMITY

Arya Samity Road, Behala, Calcutta 34.

Nature of Body: Philanthropic.

Office-Bearers: *President*, D. N. Dhar, F.R.G.S., M.B.F.S. (Lond.); *Jt. Secretaries*, I. G. Halder and Sree Gopal Mukerji, *Treasurer*, Sudhir Bhawan.

ASIATIC SOCIETY

1, Park Street, Calcutta 16.

Nature of Body: Cultural and Scientific.

Office-Bearers: *President*, Dr. S. K. Chatterji, M.A., D.Lit., F.A.S.; *General Secretary*, Prof. J. M. Sen, B.Sc., M.Ed., T.D., Dip. Ed., F.R.G.S., F.N.I.; *Treasurer*, Dr. K. N. Bagchi, B.Sc., M.B., D.T.M., F.R.I.C., F.N.I.

ASWINI KUMAR INSTITUTE

5, Janak Road, Calcutta 29.

Nature of Body: Cultural and Social.

Office-Bearers: *President*, Judge (Retd.), S. N. Guha; *Vice-President*, Dr. S. K. Dutt, Bar-at-Law; *General Secretary*, J. C. Guha, M.A., LL.B.

BENGAL LIBRARY ASSOCIATION

Central Library, Calcutta University, Ashutosh Building, Calcutta 12.

Nature of Body: Social.

Office-Bearers: *Patron*, Dr. H. C. Mukherjee, Governor, West Bengal; *President*, Dr. Nihar-ranjan Ray; *Secretary*: Pranul Chandra Bose.

BENGAL MASONIC ASSOCIATION

Freemasons' Hall, 19, Park Street, Calcutta.

Nature of Body: Educating Children of Indigent Freemasons.

Office-Bearers, A. Barr Pollock (*President*); R. D. Lemmon (*Chairman*); Guy D. Robinson (*Hon. Secretary*).

BHARAT SCOUTS AND GUIDES

5, Government Place North, Calcutta 1.

Nature of Body: Social and Boy Scouts.

Office-Bearers, Dr. Parimal Roy, M.A., Ph.D. (Lond.) (*State Chief Commissioner*); Sachindra Nath Banerjee, M.A., LL.B. (*State Commissioner*); Saroj Ghosh, B.A., LL.B., D.C.C. (*State Secretary*).

BHARAT SEVASRAM SANGHA

211, Rash Behari Avenue, Calcutta 19

Nature of Body: Cultural and Social

Office-Bearers: *Founder*, Acharyya Swami Pranabanandaji Maharaj; *President*, Swami Satchidanandaji, *General Secretary*, Swami Vedanandaji Maharaj.

BIBLE SOCIETY OF INDIA, PAKISTAN
AND CEYLON

(CALCUTTA AUXILIARY)

23, Chowringhee, Calcutta 13

Office-Bearers: *President*, A. D. Khan, I.C.S.; *Secretary and Treasurer*, David Featherstone, M.A.; *Women's Branch Secretary*, Miss David Featherstone, B.A.

BLANKET AND SHAWL TRADERS'
ASSOCIATION

To protect the legitimate interests and rights of merchants dealing in piece-goods, particularly blankets and shawls in co-operation with Government.

President: B. N. Bhowaniwalla.

Secretary: J. N. Varma, M.A., F.R.E.C.S. (Lond.).

Address: 30, Cotton Street, Calcutta 7.

BRITISH INDIAN ASSOCIATION

18, British Indian Street, Calcutta 1

Nature of Body: Social.

Office-Bearers: Sir Uday Chand Mahtab, K.O.I.E., Maharajadhiraja Bahadur of Burdwan (*President*); Sir Bijoy Prasad Singh Roy, K.O.I.E., Kt. (*Vice-President*); P. N. Singh Roy (*Hony. Secretary*).

CALCUTTA PINJRAPOLE SOCIETY

34, Armenian Street, Calcutta.

Office-Bearers: *President*, Iswariprasad Goenka; *General Secretary*, Chhotayal Kanoria, *General Manager*, B. D. Sadani.

CALCUTTA TRADES ASSOCIATION

18-H, Park Street, Stephen Court, Calcutta 16.

CALEDONIAN SOCIETY

16, Strand Road, Calcutta 1.

Nature of Body: Charitable Society.

Office-Bearers: W. F. Howe (*President*), Dr. W. G. Macmillan and H. B. Scott, M.C., C.B.E. (*Vice-Presidents*); J. A. Irons and A. Y. Thomson (*Joint Hony. Secretaries and Treasurers*).

CATHOLIC ASSOCIATION OF BHARAT

3, Dhurumtolla Street, Calcutta 13.

Nature of Body: Social.

Office-Bearers: R. J. N. Maher (*President*); J. A. Lewis (*Hony. General Secretary*); A. N. Greene (*Hony. Treasurer*).

CHRISTIAN SCIENCE SOCIETY

Block B, 30, Chowringhee Mansions, Calcutta.

Nature of Body: Religious.

CITIZEN'S INSTITUTE

Sett Villa, 3, Dwarik Ganguly Street, Calcutta 26.

Nature of Body: Social and Cultural.

Office-Bearers: *President*, Faqur Chand Sett; *Hony. General Secretary*, D. B. Pramanick.

CONVENTION OF THE TEACHERS OF
THE DEAF IN INDIA

50, Bondel Road, Ballyganj, Calcutta 19.

Aims and Objects.—To urge for compulsory education for the deaf-mute; To stimulate public interest; Removal of legal disabilities of the deaf-mute; Research in all matters concerning the deaf-mute; Re-settlement of the deaf-mute.

A quarterly journal, *The Deaf in India*, subsidised by the Government of India is published by the Convention. The income is mainly from membership, subscriptions, donations and grants from the Government which comes to about Rs. 5,000.

President: Bhupati Majumdar.

Hony. Treasurer: Nalin Chandra Paul, M.A., B.L.

Hony. General Secretary: Dr. S. N. Banerji.

Editors of the Journal: A. C. Sen; B. K. Chakravarti.

COUNCIL OF Y.M.C.A.'S OF INDIA,
PAKISTAN AND CEYLON

5, Russell Street, Calcutta 16

Nature of Body: Literary, Social, Religious.

Office-Bearers: Sir Samuel Ranganathan (*President*); A. D. Khan, I.C.S. (*Hony. Treasurer*); T. D. Santwan (*General Secretary*).

DILKUSHA INSTITUTE

66, Dilkusha Street, Calcutta 17.

Nature of Body: Literary and Social.

Office-Bearers: Mouvi Md. Khalil, B.A., B.T. (*President*); Ashique Hussain (*Jt. Hony. Secretary*); Qumruzzaman (*Jt. Hony. Secretary*).

GANA KALA MANDAL

(PEOPLES ART ASSOCIATION).

79-3/A, Lower Circular Road, Calcutta 14.

Nature of Body: Social.

Office-Bearers: *Life-President*, Dr. H. Mukerji, M.D.; *Founder and General Secretary*, Dr. Shankar Mukerji, *Treasurer*, Mrs. P. B. Reed.

GOUDIA VAISHNAB SAMMILANI

1/1A, Vaisnab Sammilani Lane, Calcutta 6.

Nature of Body: Religious and Literary.

Office-Bearers: *President*, Prabhupad Chaitanya Charan Goswami; *Secretaries*, Dr. Nripendra Nath Roy Chowdhury, D.Litt. and Krishnadas Nundy.

HINDU MILAN MANDIR

211, Rash Behari Avenue, Ballygunj, Calcutta.

Nature of Body: Socio-cultural.

Office-Bearers: *Founder*, Acharyya Swami Pranavanandaji Maharaj; *Present President*, Swami Satchidanandaji Maharaj; *General Secretary*, Swami Vedanandaji Maharaj.

INDIAN ASSOCIATION

62, Bowbazar Street, Calcutta 12.

Nature of Body : Political and Cultural.

Office-Bearers : *President*, Satinath Roy ; *Secretary*, Harendranath Mozoomder ; *Treasurer*, Sudhir Kumar Bose.

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

Jadavpur, Calcutta 32.

Nature of Body : Scientific.

Office-Bearers : Dr. J. C. Ghosh, D.Sc., F.N.I. (*President*) ; Prof. M. N. Saha, D.Sc., F.R.S. (*Director*) ; S. N. Sen, M.Sc. (*Registrar*).

INDIAN CHEMICAL MANUFACTURERS' ASSOCIATION

23-B, Netaji Subhas Road, Calcutta.

INDIAN JUTE MILLS ASSOCIATION

Royal Exchange, Post Box No. 280, Calcutta.

Now one of the most important, of the bodies affiliated to the Bengal Chamber of Commerce and Industry, was started in 1886.

Working Agreements have since formed the most important link between this Association of members, which today represent 97 per cent of the trade in India, the term of each agreement now being for a 5-year period. In 1937 the need for a Research Department to deal with all the technical problems arising out of quality production and the demand for speciality fabrics resulted in the Association opening a laboratory which now has developed into an institute of notable dimensions with a qualified staff of scientists, and is known as the Indian Jute Mills Association Research Institute, with offices at No. 3, Taratola Road, Calcutta 27.

INDIAN MUSEUM

27, Chowringhee Road, Calcutta 13.

Nature of Body : Scientific and Literary.

Office-Bearers : Mr. Justice Ramaprasad Mukherjee, M.A., B.L. (*Chairman, Board of Trustees*) ; K. P. Khaitan, M.A., B.L., Bar-at-Law. (*Vice-Chairman, Board of Trustees*) ; K. S. Srinivasan, B.Sc. (Hons.), M.Sc. (*Hony Secretary to the Trustees*) ; Dr. B. S. Guha, M.A., A.M., Ph.D. (*Hony. Treasurer to the Trustees*).

INDIAN SCIENCE CONGRESS ASSOCIATION

1, Park Street, Calcutta 16.

Membership of the Association is open to all interested in the activities of the Congress. The Association has an average total membership (Ordinary Members) of 3,500. The annual subscription is Rs. 12. There are also Seasonal Members, and Associate and Student Members who are enrolled at concession rates. The members receive free of cost the proceedings of the annual sessions, which are issued in four parts.

President : Dr. S. L. Hora, D.Sc., F.R.S.E., C.M.E.S., M.I.Biol., F.A.S., F.Z.S.I., F.N.I.

General Secretaries : Dr. U. P. Basu, D.Sc., F.R.S., F.N.I. ; Dr. B. N. Prasad, D.Sc. (Paris), Ph.D. (Liverpool), M.Sc., F.N.I.

Treasurer : Prof. P. C. Mahalanobis, F.R.S.

INDIAN SOCIETY OF ORIENTAL ART, CALCUTTA

11, Wellington Square, Calcutta.

Patrons : Chakravarti Rajagopalachari and Dr. K. N. Katju. *President :* Acharya Nandalal Bose. *Secretary :* S. K. Saraswati.

INDIAN STATISTICAL INSTITUTE

204, Barackpore Trunk Road, Calcutta 35.

Nature of Body : Scientific.

Office-Bearers : *President*, C. D. Deshmukh, Finance Minister, Government of India ; *Secretary and Director*, Prof. P. C. Mahalanobis, F.R.S. ; *Joint Secretaries* S. C. Sen, N. C. Chakravarti.

INDIAN SUGAR MILLS ASSOCIATION

23-B, Netaji Subhas Road, Calcutta 1.

INSTITUTION OF ENGINEERS (INDIA)

8, Gokhale Road, Calcutta 20.

The Institution is administered by a Council consisting of about 50 corporate members representing all branches of engineering. It has twelve Local Centres with their own administrative committees, and the total membership is about 9,500. It publishes a quarterly technical journal and bulletin.

The Council of this Institution act as the Indian National Committee of the World Power Conference. *President*—Dildar Husain. *General Secretary*—P. P. Adalja. *Asst. Secretary (Tech.)*—B. Seshadri.

INTERNATIONAL HOMOEOPATHIC ASSOCIATION

42, South End Park, Calcutta 29.

Nature of Body : Medical.

Office-Bearers : *President*, Dr. N. Nundie (M.B.R.) ; *Vice-President*, K. Chatterjee, M.H.S. ; *Secretary*, S. Banerjee.

IRAN SOCIETY

150-B, Dharamtala Street, Calcutta 13.

Nature of Body : Cultural.

Office-Bearers : *President*, Dr. B. C. Law, M.A., B.L., Ph.D., D. Litt., F.R.A.S., F.R.S.B. ; *Vice-President*, Rev. Fr. V. Courtols, S.J. ; *Hony. Secretary*, Dr. M. Ishaque, B.Sc., M.A. (Cal.), Ph.D. (Lond.).

KESHUB ACADEMY

148, Ramdul Sarkar Street, Calcutta 6.

Office-Bearers, Dr. N. K. Bose, D.Sc. (*President*), J. M. Sen, M.Ed. (Leeds), B.R.S. (Retd.) (*Hony. Secretary*).

KUMARTULI INSTITUTE

19, Abhay Charan Mitter Street, Calcutta 5.

Nature of Body : Literary and Athletic.

Office-Bearers : H. I. Sarkar (*President*), Professor B. N. Mukherji (*Secretary*) ; Ashoke Banerji (*Treasurer*)

MAHA BODHI SOCIETY OF INDIA

4-A, Bankim Chatterji Street, Calcutta 12.

Nature of Body : Religious, Educational, Literary.

Office-Bearers : D. Vallintha (*General Secretary*) ; P. R. Das Gupta (*Treasurer*).

MARWARI ASSOCIATION

160A, Chittaranjan Avenue, Calcutta.

Its chief objects are :—To promote and advance the moral, intellectual, commercial, economic, political and social interests of the Marwari community and to protect its rights and status.

The constituents of the Association are the leading industrialists exporters and Importers of the State of West Bengal.

The Association issues certificates of origin to exporters of indigenous goods.

The Association is a member of the Federation of Indian Chambers of Commerce and Industry.

The following are the Office-bearers :—

President.—Mangturanji Jaipuria.

Vice-Presidents.—Badri Prasad Poddar and Benaraj Pd. Kodla.

Hony. Secretary.—Sheth Bhagwan Goeika.

Asst. Hon. Secretary.—Badradas Khaitan.

Auditor.—Messrs. Slughli & Co.

MARWARI RELIEF SOCIETY

391, Upper Chitpur Road, Calcutta 7.

Nature of Body : Social.

Office-Bearers : Sitaram Seksaria (*President*) ; Tularam Sarangi (*Vice-President*) ; Rameshwar Tanti (*Hon. General Secretary*) ; Kashi Prasad Modi (*Hony. Secretary, Seva Bidhag*).

MEN'S INDUSTRIAL HOME

(SALVATION ARMY)

172, Lower Circular Road, Calcutta 14.

Nature of Body : Social.

Captain John J. Nemes (*Officer-in-Charge*).

MINING, GEOLOGICAL AND METALLURGICAL INSTITUTE OF INDIA

27, Chowringhee Road, Calcutta 13.

Nature of Body : Technical and Scientific.

Office-Bearers : Dr. M. S. Krishnan (*President*) ; Dr. P. K. Ghosh (*Hony. Secretary*) ; Dr. R. K. Dutta Roy (*Jt. Hony. Secretary*).

MULVANY HOUSE

11, Corries Church Lane, Amherst Street P.O., Calcutta 9.

Nature of Body : Social.

Office-Bearers : Mrs. C. I. Remfry (*President*) ; Miss L. Birt (*Hony. Secretary*) ; Miss H. Day (*Supdt.*).

NATIONAL SWIMMING ASSOCIATION

(MEMBER—SWIMMING FEDERATION OF INDIA)

Pavillon, Azad Hind Bagh, Calcutta 6.

Nature of Body : Social (to promote swimming and life-saving).

Office-Bearers : *President*, Lt.-Col. N. F. Barwell, Bar-at-Law ; *Hony. General Secretary*, Bimal Krishna Ghosh ; *Solicitor and Hony. Treasurer*, Prodosh Kumar Ghosh.

RAMAKRISHNA MISSION AND MATH

(P. O. Belur Math, Dt. Howrah).

The Ramakrishna Mission is an association for missionary, philanthropic and educational service.

It is registered under Act XXI of 1860 and has 67 centres spread over India, Pakistan, Burma, Ceylon and some British Colonies.

It has under it eight Indoor Hospitals, 43 Outdoor Dispensaries, three Colleges, 25 High Schools, 78, Middle and Elementary Schools, 5 Night Schools, 34 Students' Homes and 40 Libraries. Besides it undertakes occasional relief work.

The Ramakrishna Math or Monastery, though distinct, is closely related with the Ramakrishna Mission, both having the same office-bearers and doing similar work. The monks of the Ramakrishna Math are the principal workers of the Ramakrishna Mission.

The Ramakrishna Math has 66 branch centres spread over India, Pakistan, Europe and U.S.A. It conducts four Indoor Hospitals, 13 Outdoor Dispensaries, three High Schools, 4 Lower Grade Schools and 25 Libraries.

President : Swami Sankarananda.

General Secretary : Swami Madhavananda.

NADHARAN BRAHMA SAMAJ

211, Cornwallis Street, Calcutta 6.

Nature of Body : Religious.

Office-Bearers : Barada Kanta Basu, B.A. (*President*) ; Aparna Charan Bhattacharyya, M.A. (*Secretary*) ; Jyotirindranath Das, B.Sc. (*Treasurer*).

SAFETY FIRST ASSOCIATION OF INDIA (Bengal Provincial Branch)

24, Dr. Suresh Markar Road; 40, Chowringhee Road, Calcutta.

Patron, Dr. H. C. Mookherjee, Governor of West Bengal; *President*, D. N. Sen; *Vice-Presidents*, Lady Elkins, N. C. Laharry, Major S. C. Dutta, Dr. A. C. Ukil; *Hony. Treasurer*, G. Basu; *Hony. Secretary*, K. K. Das.

SALVATION ARMY

Territorial Headquarters for North Eastern India, 37, Dharamtala Street, Calcutta 13.

Nature of Body : Religious and Social.

Office-Bearers : *Territorial Commander*, Colonel Ivar Palmer; *General Secretary*, Brigadier Fred Jewkes; *Field Secretary*, Lt.-Col. A. D. Andrew.

SAMAJPATI SMRITI SAMITY

47-E, Shampukur Street, Calcutta 4.

Nature of Body : Literary.

Office-Bearers : *President*, Kironchandra Dutt, M.A.S.; *Secretary*, Charu Chandra Majumdar, B.A.; *Librarian*, Debi Pada Nandan.

SATYENDRA PATHAGAR

Arya Samity Road, Behala, Calcutta 34.

Nature of Body : Literary.

Office-Bearers : *President*, D. N. Dhar, F.R.G.S. (Lond.); *Secretary*, Gopal Mukherjee; *Librarian*, L. M. Dutt.

SOCIETY FOR THE PROTECTION OF CHILDREN IN INDIA

2B, Camac Street, Calcutta

The S.P.C.I. is the oldest child protective society in India. It seeks to rescue and protect children who are exposed to any kind of danger, e.g., cruelty, moral danger, exploitation, vagrancy, delinquency and the like. The protection of the Society is open to all children in India, irrespective of caste or creed or nationality.

The Society is supported by public subscriptions and donations, proceeds of charity entertainments, grants-in-aid from Government, etc. Its expenditure on the maintenance and education of children in its custody is over Rs. 12,000 a month.

President : The Hon'ble Mr. Justice Jyoti P. Mitter.

Vice-Presidents : The Maharajahdhiraja Bahadur of Burdwan; The Most Rev. Dr. J. Fernandes, Archbishop of Delhi and Simla; Dr. K. N. C. Chaudhuri; Mrs. N. F. Barwell.

Hon. Treasurer : B. A. Watt.

General Secretary : A. M. Chakravarti.

SREE BHAIKABI JAGESWARI MATT

2, Gour Laha Street, Calcutta 6

Nature of Body : Philanthropical, Social.

Office-Bearers : *Founders*, Kulasjogini Chinnmoye Giri, Kulacharyya Kali Krishnanda Giri, Karmadhakshya Virananda Giri.

SREESH CHANDRA CHARITABLE DISPENSARY

Arya Samity Road, Behala, Calcutta 34.

Nature of Body : Medical.

Office-Bearers : *President*, D. N. Dhar, F.R.G.S. (Lond.); *Secretary*, Lal Gopal Halder; *Attending Physician*, Dr. S. R. Mukherji.

SRI RAMAKRISHNA SARADA MATH

1, Chitpore Bridge Approach, Calcutta 3.

Nature of Body : Religious.

Office-Bearers : *President*, Kiran Chunder Dutt; *Secretary*, Swami Tripurananda; *Treasurer*, Sri Raman Bose.

THE REFUGE

125-A, Bowbazar Street, Calcutta 12

Nature of Body : Social.

Office-Bearers : Mr. Justice K. C. Chunder, I.C.S. (*President*); Rai T. C. Roy Bahadur (*Hony. Secretary*); A. K. Chakravarti, M.A., B.L. (*Supdt.*).

TROPICAL DIET RESEARCH SOCIETY

1/6, Fakir Chukraborty Lane, Calcutta 6,

Beadon Street P.O., Calcutta.

Nature of Body : Scientific.

Office-Bearers : *Director*, Dr. G. B. Das, B.Sc., M.D.; *Secretary*, I. B. Mullick, B.Sc.; *Asstt. Secretary*, S. N. Das, B.Sc.

UNITED KINGDOM CITIZEN'S ASSOCIATION

51, Chowringhee Road, Calcutta.

The Association was formed in 1883 under the title of "The European and Anglo-Indian Defence Association". This name was changed on several occasions and the present name was adopted in 1948.

The objects of the Association are cultural, charitable, social, educational and benevolent, and generally to look after the interests of its members and others. The Head Office (Central Administration) is at Bishop's House, 51, Chowringhee Road, Calcutta. 12 Branches all over India.

President : Sir Anthony Elkins, Kt., C.B.E.
Honorary General Treasurer : J. D. K. Brown

VIVEKANANDA SOCIETY

21, Brindaban Bose Lane, Calcutta 6.

Nature of Body : Religious, Cultural and Philanthropic.

Office-Bearers : Swami Atmabodhananda (*President*); Swami Sraddhananda (*Vice-President*); N. J. Prakash Chandra Banerjee (*Jt. Hony. Secretary*).

WEST BENGAL BASKETBALL ASSOCIATION

94, Chittaranjan Avenue, Calcutta 12; 42, Corporation Street, Calcutta 14

Nature of Body : Sports.

Office-Bearers : *President*, H. S. Ghose Chaudhuri, I.P., J.P.; *Hony. Secretaries*, J. C. Dutt, P. C. Banerjee, A. R. Mukherjee.

YOUNG MEN'S CHRISTIAN ASSOCIATION

25, Chowringhee, Calcutta 13.

Nature of Body : Social.

Office-bearers : J. M. Bannerman (*President*); C. W. Archer, M. L. Sircar (*Vice-Presidents*); K. C. Thornton (*General Secretary*).

YOUNG MEN'S CHRISTIAN ASSOCIATION (INDIA)

5, Russell Street, Calcutta.

The aim of the Association is, through its religious, social, educational and physical work to answer the fourfold—spiritual, social, mental and physical—needs of young men and boys.

The Young Men's Christian Association in India, started in Calcutta in 1857, is spreading rapidly. The 'local' Associations are autonomous and governed by local Boards of Directors. These Associations in Convention elect a General Board which is responsible for the supervision and expansion of all forms of the Association work in India, Pakistan and Ceylon.

The work of the Council (excluding that of the 80 local Y.M.C.A.'s) called for a Budget of Rs. 1,32,469 in 1952. Of this sum Rs. 37,500 had to be raised from the public in India.

The Headquarters of the Council of Y.M.C.A. is 5, Russell Street, Calcutta. The officers are:—

President of the Council :—Sir Samuel Rungtadnan.

General Secretary :—T. D. Santwan, 5 Russell Street, Calcutta 16.

CHAMBERS OF COMMERCE

ASSOCIATED CHAMBERS OF COMMERCE OF INDIA

Royal Exchange, 6, Netaji Subhas Road, Calcutta.

The object is to promote and protect the trade, commerce, industries and manufactures of the country.

In all there are three classes of members, viz., Original, Additional and Associate, there are 11 Chambers of Commerce from different parts of the country as members of the association. Annual subscription of each member whether Original, Additional or Associate is Rs. 150 per vote.

OFFICE-BEARERS FOR 1953-54.—*President*, E. J. Pakes, *Dy. Presidents*, E. L. C. Gwillt, G. E. Longdin; *Secretary*, D. C. Fairbairn, M.A., C.I.E.

BENGAL CHAMBER OF COMMERCE AND INDUSTRY

Royal Exchange, P. Box No. 280, Calcutta 1.

The Bengal Chamber is registered with a declaration of membership of 400. Its objects are briefly to promote and protect the trade, commerce and manufactures of India particularly in Calcutta. There are three classes of members, Chamber, Associate and Honorary.

There are 27 commercial and industrial associations and organisations connected with the Chamber, whose business is transacted by the secretarial staff of the Chamber, subject to the direction of their own committees and sub-committees. A new department has recently been organised for specialisation and consultation in all matters concerned with industrial labour.

An important branch of the work of the Chamber is the measurement and weighing of most of the principal commodities exported from Calcutta. For this work the Chamber has a special department—the Licensed Measurers Department—which has been in existence for nearly 70 years and maintains a staff of some 130 measuring officers who measure and weigh goods chiefly in course of shipment. The measurements so recorded are used by the Steamship Companies as a basis upon which to calculate freights charged to exporters and the weights are required chiefly by exporters for contract purpose.

There is also within the Chamber an old established Tribunal of Arbitration for the settlement and adjustment of disputes and differences relating to trade, business, manufactures, etc. Arbitrators are drawn from among the members of the Chamber and the arbitrations are conducted in accordance with the provisions of the Indian Arbitration Act. Awards may be filed by either party in any particular dispute in the Calcutta High Court and be made a Decree in conjunction with like Arbitration bodies overseas.

To this work there has been added in more recent years the distribution of foodstuffs to employers of labour in the Calcutta Industrial area. The Chamber's Foodstuffs Scheme was started in August 1942 with a central organisation in Calcutta and a chain of Distribution Depots scattered all over the Calcutta Industrial area. At present it caters for the essential food supplies of nearly 700,000 industrial workers and their dependents.

Since 1946 the Chamber has run Language training courses for foreigners taking up appointments in India. Classes in Lower and Higher standard Hindi and Bengali in the Nagari script are organised twice in each year. Examinations of Chamber students and others wishing to sit for them, as also for students studying colloquial Hindustani are held under the Chamber's auspices at the end of each six monthly course.

Chamber Committee:—President, E. J. Pakes; Vice-President, G. M. Mackinlay; Committee Members, R. H. D. Campbell, Sir Anthony J. Elkins, C.B.E., N. D. Harris, O.T. Jenkins, D. D. MacGregor, A.S. Officer, G. A. S. Sim; Secretary, D. C. Fairbairn, C.I.E.; Deputy Secretary, W. D. Bryden; Assistant Secretaries, T. R. Crook, J. J. Rattray, H. A. Long.

BENGAL NATIONAL CHAMBER OF COMMERCE

The objects are to aid and stimulate the development of commercial, agricultural and industrial enterprises in W. Bengal and Assam and to protect the commercial interest of all persons trading therein.

The constitution of the Chamber extends the facilities of Associate and Honorary Membership to the entire trading community in India.

List of Associations Affiliated to the Chamber.—All-India Jute Mill Bobbin Manufacturers' Association; Association of Engineers; Bengal Motion Pictures Association; Bengal Hosiery Manufacturers' Association; Bengal Glass Manufacturers' Association; Belgachia Jute Aradars' Association; National Small Tools and Cutlery Manufacturers' Association; Bengal Industries Association; Bengal Bus Syndicate, Bengal Trades' Association; Bengal Oil Mills' Association; Brickfield Association, Kotrung; Bengali Jute Dealers' & Brokers' Association; Calcutta Motor Dealers' Association; Calcutta Retail Cloth Shops Association; Calcutta Electric Traders' Association; Calcutta Iron Merchants' Association; Calcutta Paper Traders' Association; Calcutta Timber Merchants' Association; Calcutta Salt Association, Ltd.; Calcutta Rice Mills' Association; Calcutta Stevedores' Association; East India Jute & Hessian Exchange Ltd.; Federation of Associations of Small and Medium Industries; Indian Canvas Producers' and Fabricators' Association; Indian Insurance Institute; Indian Lamp Factories' Association; Indian Mining Federation; Indian Pencil Manufacturers' Association; Indian Soap & Toilettes Makers' Association; Plywood Manufacturers' Association of India; Tea Chest and Plywood Trades Association; Indian Tea Chest Batten Manufacturers' Association; Indian Battery Manufacturers' Association; North Bengal Timber Merchants' Associations; Oil Pressure Lamp Manufacturers' Association; Radio Industries Association; Stationery and Office Equipment Association of India; Tripura Tea Association; Retail Textile Dealers' Association; West Bengal Electrical Contractors' Association; West Bengal Iron & Sheet Merchants' Association; West Bengal Lorry Syndicate; West Bengal Saw Mills' Association.

The Chamber enjoys the privilege of electing representatives to the Calcutta Port Trust, the Calcutta Improvement Trust, W. Bengal Industries Board, Economic Enquiry Board, W. Bengal Board of Examiners for Boiler Attendants Appellate Authority under West Bengal Boilers Rules 1950, Indian Central Jute Committee, Indian Central Cotton Committee, Indian Coal Grading Board, Calcutta Corporation, West Bengal State Sugar Board, West Bengal Electricity Licensing Board, West Bengal Boiler Commission, Calcutta Telephone Advisory Committee, P & T Regional Advisory Committee at Calcutta, Eastern Railway Advisory Committee, State Transport Authority and other important bodies.

LIST OF OFFICE-BEARERS FOR THE YEAR, 1953-54.

President:—Dr. N. N. Law, M.A., Ph.D.; **Vice-Presidents:**—P. Mukherjee, G. Basu, B.A.; **Hony. Treasurer:**—Dr. S. B. Dutt, M.A., Ph.D., Bat-at-Law.

Secretary:—S. R. Biswas, M.A.

Sr. Asst. Secretary:—A. R. Dutta Gupta, M.A. **Offes:**—P-11, Mission Row Extension, Calcutta 1.

Telephone: Calcutta City, 3381 (2 lines).

Telegram: "Conjoint."

BHABAT CHAMBER OF COMMERCE

The object of this Chamber is to foster the growth of commerce and industry in the country, to safeguard the interests of the commercial

communities, to protect and promote the trade, commerce, manufactures, agriculture and industries of West Bengal, to watch over and protect the general commercial interests of persons engaged in trade, commerce, manufactures, agriculture or industries in India. It arbitrates in disputes arising out of commercial transactions and also issues certificates of origin to exporters of indigenous goods. The Chamber is generally consulted by Government on questions of public interest and commercial matters. It undertakes special enquiries and action for securing redress of legitimate grievances of any branch of trade or industry. It handles more than 80 per cent of distributive trade in cotton textiles and a good number of members are interested in export and import trade.

President:—P. L. Saraogi, M.L.C.

Vice-Presidents:—G. L. Mehta and R. N. Bangur.

Secretary:—B. N. Sengupta.

The following Associations are affiliated with the Chamber:—Kallimpong Chamber of Commerce, Kallimpong; Darjeeling District Marwarli Merchants' Association, Darjeeling; Calcutta Wheat and Seeds Association, Calcutta; Sonada Merchants' Association, Sonada; Indian Jute & Cotton Association Ltd., Calcutta; Assam Marwarli Chamber of Commerce; Calcutta Salt Association, Calcutta; Cloth Merchants' Association, Siliguri; Upper Assam Marwarli Chamber of Commerce, Jorhat; Darjeeling Chamber of Commerce, Darjeeling; Swarna Rajat Kalakar Samiti, Calcutta; Bengal Sugar Merchants' Association, Calcutta.

Address: Imperial Bank Building, Burrabazar Branch, Calcutta 7.

Telephone No. Jorasanko 5332.

Grams: "Marchamber."

CALCUTTA CHAMBER OF COMMERCE

Object:—To foster and develop Trade, Commerce, Industry, Agriculture, etc. and safeguard the interests of commercial communities of India.

Membership:—Any firm, company, corporation, or individual doing business, lawyer, physician, banker or man of public importance is eligible for membership on payment of subscription as determined by the committee subject to the approval of the Committee.

Administration:—The affairs of the Chamber are executed by an Executive Committee, Calcutta 6. **Secretary:**—T. Mookerjee. Phone: Cal. B.B. 2744.

CALCUTTA STOCK EXCHANGE

President:—B. N. Chaturvedi.

Vice-President:—C. L. Jhunjhunwalla.

Hon. Treasurers:—C. L. Khandelwal; R. M. Seal; Eric Gregory; H. C. Chatterjee.

Secretary:—D. Chakravarty.

Asst. Secy.—B. B. Majumdar.

INDIAN CHAMBER OF COMMERCE, CALCUTTA

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Barkat Ali & Bros., Tailors and Outfitters, 9-A, Chowringhee Place, Calcutta 13.

Basak, G., & Co., Dealers in Commercial, Industrial and Artist's Colour, 76, Bowbazar Street, Calcutta 12.

Basak, P., & Co., Merchants and Manufacturers of Leather and Leather Goods, 9, Chidam Mudli Lane, Calcutta 6.

Basmall & Co. (India) Ltd., Dental and Surgical Goods, Radio and Radio Parts, 56-D, Beadon Street, Calcutta 6.

Basu Brothers & Co., Paper Merchants and Stationers, 14-2, Old China Bazar Street, Room No. 122, Calcutta 1.

Bata Shoe Co., Ltd., Manufacturers and Dealers in Rubber and Leather Shoes and Accessories, 30, Theatre Road, Calcutta 16.

Bawa Glass Co., 21-22, Rodha Bazar Street, Calcutta. Phone Bank 1494.

Bawasons Ltd., Importers and Exporters, Hardware, Chemicals, Minerals, 138, Canning Street, Calcutta 1.

Becharam Dutt, Postage Stamps Collector, Dealer and Importer, 1st Floor A, 19, Siftaram Ghosh Street, Calcutta 9.

Behar Firebricks & Potteries Ltd., Firebricks, Mugma, Manufacturers of Refractory Materials, 22, Strand Road, Calcutta 1.

Bell's Asbestos & Engineering (India) Ltd., Packings Rubber Transmission and Conveyor Beltings, A3, Clive Buildings, Netaji Subhas Road, Calcutta 1.

Belliss & Moreton Ltd., Engineers, Manufacturers of Diesel Engines, Steam Turbines and Engines, A3, Clive Buildings, 8, Netaji Subhas Road, Calcutta 1.

BRITISH TABULATING MACHINE CO., LTD., THE (See Hollerith (India) Ltd.).

Calcutta Accidents Bureau, Claims of Insurance Companies, Industrial Establishments, Shipping Companies, 15B, Clive Row, Calcutta 1.

Calcutta Chemical Co., Ltd., Manufacturers of Fine and Heavy Chemicals, Pharmaceuticals, Medicinal Preparations, 35, Pandita Road, P O Rash Behari Avenue, Calcutta 20.

Calcutta Collapsible Gate Co., Ltd., Manufacturers of Collapsible Gates, 77, Netaji Subhas Road, Old 82, Clive Street, Calcutta 1.

Calcutta Commercial Co., Engineers, Merchants and Agents, 36, Strand Road, Calcutta 1.

Calcutta Credit Corporation Ltd., Bankers, Financiers and Hire Purchase of all kinds of Automobiles, 36, Chowringhee, Calcutta 16.

Calcutta Drug House Ltd., Manufacturers of Alkaloids, Alkaloidal Preparations, 71-A, Netaji Subhas Road, Calcutta 1.

Calcutta Electric Lamp Works Ltd., Manufacturers of Electric Lamp Bulbs, 3, Mangoe Lane, Calcutta 1.

Calcutta Engraving Co., Mould Makers for Plastic and Rubber Goods, 10-2, Malanga Lane, Calcutta 12.

Calcutta Expanded Metal Manufacturing Co., Ltd., Manufacturers of Expanded Metal, P-16, Kalakar Street, Calcutta 7.

Calcutta Hardware Co., Manufacturers of "Tiger Brand" Tools, Cast Steel Carpenters' Augers, 8-A, Ramkissen Das Lane, Calcutta 9.

Calcutta Hardware & Metal Supply Co., Hardware and Metal Merchants, Importers of Tea Garden, 5, Clive Row (1st Floor), Calcutta 1.

Calcutta Industrial Chemicals & Minerals Co., Ltd., Chemical Manufacturers, 43, Dharamtala Street, Calcutta 13.

Calcutta Mercantile Co., Importers, Exporters and Dealers in Mirror, Window Glass, 161-1A, Rash Behary Avenue, Calcutta 19.

Calcutta Mineral Supply Co., Ltd., Dealers in Minerals and Mineral Products, 31, Jackson Lane, Calcutta 1.

Calcutta Optical Co., Ltd., Suppliers of Spectacles according to Doctor's prescriptions, 45, Amherst Street, Calcutta 9.

Calcutta Press Ltd., Letter-Press Printing of all kinds, 1, Wellington Square, Calcutta 13.

Calcutta Rubber Manufacturing Co., Manufacturers of Rubber Hose Pipes, V-Belts, and All Rubber Shoes, 92, Narkeldanga Main Road, Calcutta 11.

Calcutta Serological Institute Laboratory Ltd., Clinical Examination of Blood, Urine, Sputum, Stool, 9-3, Chowringhee, Calcutta 13.

Calcutta Shirts Mfg. Co., Shirts Specialist, and India's Leading Suits Manufacturers, 10-D, Chowringhee Road, Calcutta 13.

Calcutta Supply Agency, Govt. and Ely Contractors, Ship Chandlers and Importers, 8, Canning Street, Calcutta 1.

Das, D. K., & Co., Ltd., Mechanical Engineers, Iron and Brass Founders, 233, Behlilos Road, Bantra, Howrah.

Das Grijia & Co., Automobile Engineers, Manufacturers of "Electron" Brand Storage Batteries for Automobile, 24, Dr. Suresh Sircar Road, Entally, Calcutta 14.

Das Gupta Brothers & Co., Sporting and Athletic Goods and Fishing Tackles, 139-B, Cornwallis Street, Calcutta 4.

Das, H. S., Manufacturers, Dealers, Exporters and Importers of Chemicals and Minerals, 104-1, Serpentine Lane, Calcutta 14.

Das, P. N. & Sons, Jewellers, Enameller, and Precious Stone Dealers, 3-C, Hem Kar Lane, Calcutta 5.

Das, S. C., & Bros., Manufacturing Jewellers, Enamellers, Gold and Silversmiths, 37, Beni Nundon Street, Bhowanipore, Calcutta 25.

Das & Co. (India) Ltd., Importers and Exporters of Chemicals, Minerals Denatured Spirit, 43, Dharamtala Street, Calcutta 13.

Das, B. B., & Co., Mechanical Engineers, General Engineering Stores Manufacturers, 71-1, Benares Road (Belgachia), Howrah.

Das, B. R., Manufacturers of Artistic Jewellery, Diamond and Precious Stone Mounter, 155, Radha Bazar Street, Calcutta 1.

Das, J. N., & Co., Mechanical Engineers and High Class Sluice Valves Manufacturers, 167, Bellilos Road, Howrah.

Dastoor, J. B., Manufacturers Representatives, Wholesaler and Importer, 28, Grant Street, Calcutta 13.

David, C. C., & Co., Land and Estate Agents, Architects, Valuers and Surveyors, Windsor House, Mission Row Extension, Calcutta 1.

David Sassoon & Co., Ltd., Merchants and Bankers, "Sassoon House", 4, Lyons Range, Calcutta 1.

Davidson & Co. Ltd., Tea Machinery for Every Process and "Strocco" Fans, 31, Chowringhee (Entrance Park Street), Calcutta 16.

Debidutt Jamnadhur, Importers and Exporters of Timber, 24, Jorabagan Street, Calcutta 6.

Dewar's Garage & Engineering Works, Importers and Assemblers of Rover Cars, Land-Rovers, Singer Cars, 4, Council House Street, Calcutta 1.

Dey Dhur & Co., Hardware Merchants and Dealers in Small Tools, 53, Netaji Subhas Road, Calcutta 1.

Dey, H. P., & Son, Freight Brokers, Stevedores, Shipchangers, Chipping, 2, Church Lane, Calcutta 1.

Dey's Medical Stores Ltd., Dispensing Chemists, Wholesale and Retail Druggists, 6-2-B, Lindsay Street, Calcutta 16.

Dey's Timber & Building Material Stores, Saw Mill Owners, Dealers in Sal, Salpoles, Teak, Jarool, 132-1-1, Bellaghata Road, Calcutta 15.

Eagle Lithographing Co. Ltd., Multi-Colour Photo-Offset Printers, 26, Christopher Road, Entally, Calcutta 14.

East Asiatic Co. (India) Ltd., Importers, Exporters, Engineers, Manufacturers and Shipping Agents, F-2, Clive Buildings, Netaji Subhas Road, Calcutta 1.

East India Rubber Works Ltd., Manufacturers of High Class Rubber, Ebonite and Moulded Goods of every kind, 161, Chittaranjan Avenue, Calcutta 7.

East India Trading Co., Exporters of Kapok, Shellac, Cotton Waste, Cotton, Indian Spices, 2, Church Lane, Calcutta 1.

East Indian Bakery, Manufacturers of Creamloaf (Bread), Biscuits and Cakes, 106, Lansdowne Road, Calcutta 29.

Eastern Accumulator Co., Manufacturing Storage Batteries (Victor and Volta), 3-1, Mangoe Lane, Calcutta 1.

Eastern Electric & Engineering Co., Dealers in everything Electrical, 25, Chowringhee, Calcutta 13.

Eastern Foundry & Engineering Works, General Founders, Engineers and Railway Contractors, 131, Bellis Road, Howrah.

Eastern Importers Syndicate, Importers and Stockists of Ball Bearings, Drills, Taps and Dies, 91, Netaji Subhas Road, Calcutta 1.

Eastern Law House Ltd., Law Publishers and Law Booksellers, P-13, Ganesh Chandra Avenue, Calcutta 13.

Eastern Stationery Supply Co. Ltd., Stationers, Printers, Publishers, Booksellers and School Furnishers, 25, Ganesh Chandra Avenue, Calcutta 13.

Eastern Stores & Agency, Importers, Exporters and Manufacturers of Complete Equipment for Hand-Loom, 103, Netaji Subhas Road, Post Box 239, Calcutta 1.

Eastland Agency Ltd., Importers and Manufacturers of Scientific Apparatus, Chemicals, 91, Netaji Subhas Road, Calcutta 1.

Edna Lorenz, Artist and Photographers, 30, Chowringhee, Calcutta 16.

Electric Construction & Equipment Co. Ltd., Manufacturers of Electric Motors and Starters, Pumping Sets, 36, Chittaranjan Avenue, Calcutta 12.

Electric Motor Co., Engineers and Contractors, 20, Park Street, Calcutta 16.

Electric Stores & Engineering Co., Govt. Licensed Electrical Contractors, 13-A, Russell Street, Calcutta 16.

Electrical Equipment & Engineering Co., Electrical and Mechanical Engineers, 20, Kali Prasad Banerjee Lane, Howrah.

Electrical Machines Corporation Ltd., Importers of all kinds of Machinery, Refrigeration and Air Conditioning Equipments, P-33, Ganesh Chandra Avenue, Calcutta 13.

Electro-Mechanical Works Ltd., Electrical and Mechanical Engineers, Manufacturers of Switch-Boards, 67-B, Netaji Subhas Road, Calcutta 1.

Fairway Trading Co., Manufacturers of Bandage Cloth, Gauze Cloth, Rolled Bandages, 39, Sitlatola Lane, Narkeldanga, Calcutta 11.

Fakhri, T. M., & Co., Direct Importers and Stockists of Hardware, Machinery, and Tools, 26-E, Netaji Subhas Road, Calcutta 1.

Far East Trading Corporation, Manufacturers' Representatives and Commission Agents, (Room No. 26), 37, Canning Street, Calcutta 1.

Farm & Fruit Products Ltd., Manufacturers of Vinegar, Chutneys, Jams, Jellies, Squashes and Preserves, 71-A, Chakraborty Road, North, P.O. Elgin Road, Calcutta 20.

Farmer's Industries, Manufacturers of Ency Brand National Condiments, 3, Huzurimull Lane, Calcutta 12.

Fashion Furnishers, Cabinet Makers and Furnishers, 264-B, Bowbazar Street, Calcutta 12.

Felt & Tarrant (India) Co., Manufacturers of the Comptometer, P35, Royal Exchange Place Extension, Calcutta 1.

Fenner, J. H. & Co. (India) Ltd., Power Transmission Engineers, Manufacturers of Fenner V-Belts, 10-1C, Mercantile Buildings, Lall Bazar, Calcutta 1.

Figgis, A. W. & Co. Ltd., Tea Brokers, D Block, Clive Buildings, Calcutta 1.

Finnacs Ltd., Tailors, Manufacturing Clothiers, Outfitters, Woollen and Cotton Piece-Goods, 83 & 109 E & A, Park Street, Calcutta 16.

Fire & General Insurance Co. of India Ltd., Fire Insurance, P-2, Mission Row Extension, Calcutta 1.

Firestone Tyre & Rubber Co. of India Ltd., Manufacturers of Tyres, Tubes and Accessories, 28, Central Avenue, Calcutta 12.

Firpo, A. Ltd., Restaurateurs, Caterers and Confectioners, 18-2 to 18-6, Chowringhee, Calcutta 13.

Fitton, F. A. & Son (1931) Ltd., Manufacturers of Spindles, Flyers and Other Machinery Parts, 15, Clive Row, Calcutta 1.

Flaming & Co., Seedsmen and Florists, 19, Bethune Row, Calcutta 6.

Flash Lights (India) Ltd., Manufacturers of Torchlight Batteries, 135, Prinsep Street, Calcutta 13.

Friedlander, M. & Co., Ores, Metals, Chemicals, 109, Stephen House, Dalhousie Square, East, Calcutta 1.

French Motor Car Co. Ltd., Motor Car Importers, Automobile Engineers and Body Builders, 234-3, Lower Circular Road, Calcutta 20.

Free India Dry Accumulators Ltd., Manufacturers of Dry Batteries for Radio Receivers, Radio Transmitters for Portable Life Boat Equipment, 2, Doyehatta Street, Calcutta 7.

Freedom-Valvoline Oil Co., Lubricating Oil Refiners, 2, Clive Row, Calcutta 1.

Ganeshdas Bangopal, Importers, Agents and Stockists of Auto Parts, Accessories and "Aero" Batteries, 1, Chittaranjan Avenue, Calcutta 13.

Ganeshpur Coal Co. Ltd., Coal Mining, 59, Netaji Subhas Road, Calcutta 1.

Ganeshram Gopiram Ltd., Manufacturers, Representatives, Exporters, Importers and Commission Agents, 161-1, Harrison Road, Calcutta 7.

Gangjee, F. & Co., Exporters of Gunnies, Jute, Jute Webbing, Cane, Bamboos, Shellac, "Imperial House", 24, Mission Row Extension, Calcutta 13.

Gangooly Bros., Manufacturers' Representatives and Exporters of Indian Produce, Forest Produce and Minerals, 20, Gokul Mitra Lane, P.O. Hakthola, Calcutta 5.

Gangooly & Mitra, Hardware and Marine Stores Dealers, 115, Netaji Subhas Road, Calcutta 1.

Gangull & Co., General Importers and Dealers in Hardware, Metal and Tea Gardens, 89, Netaji Subhas Road, Calcutta 1.

Ganguly, A. K., Paint Merchant and General Order Supplier, 139, Netaji Subhas Road, Calcutta 1.

Garg & Sons, Exporters of Shellac, Mica, Zari Goods, Saltpetre, Vegetable Oils, 138, Canning Street, Calcutta 1.

Gas Accumulator Co. (India) Ltd., Marine and Aeronautical Lighting Engineers, General Engineers and Merchants, 12, Mission Row, Calcutta 1.

Gavin Bros., Hardware and Metal Merchants, Government and Railway Contractors, 71-A, Netaji Subhas Road, Calcutta 1.

General Produce Co. Ltd., Jute and Gunny Merchants, Balers and Exporters, 8, Royal Exchange Place, Calcutta 1.

Geoffrey Manners & Co. Ltd., Manufacturers, Importers and Distributors of Pharmaceutical Products, 2, Saklat Place, Calcutta 13.

George Spencer Moulton & Co. (India) Ltd., Manufacturers and Supplier of India Rubber for All Mechanical Purposes, 11 & 12, Esplanade Mansions, Calcutta 1.

Gestetner Duplicators Ltd., Gestetner Duplicators and Suppliers, 32, "Groveview House", 21, Old Court House Street, Calcutta 1.

Ghosal, B. N. & Sons (Calcutta), Planters and Industrial Equipment and Welding Accessories, 25-B, Chittaranjan Avenue (South), Calcutta 13.

Ghosh & Co., Locks, Safes and Tanks Manufacturers, 96, Harrison Road, Calcutta 7.

Ghosh, M. L. & Co., Manufacturers of Chrome Colours, Blue, Vermillion, 19-G, Windsor House, Mission Row Extension, Calcutta 1.

Ghulam Mohammed H. & Bros., Tailors and Outfitters, 5, Lindsay Street, Calcutta 16.

Glenice Traders Ltd., General Merchants and Commission Agents, 26, Nakuleswar Bhattacharya Lane, Kalighat, Calcutta 26.

Heath & Co. (Calcutta) Ltd., Tea Exporters, Pollock House, Pollock Street, Calcutta 1.

Heigers, F. W. & Co. Ltd., Merchants and Agents, Chartered Bank Buildings, Calcutta 1.

Henley's, W. T., Telegraph Works Co. Ltd., Manufacturers of Electrical Wires and Cables and Contractors, "Henley House", P.O. Box No. 390, Calcutta.

Herbert & Co., General Merchants, Importers, Exporters, Dealers in Piece-goods, 67-B, Netaji Subhas Road, Calcutta 1.

Her AN, B. K. & Mohatta (India) Ltd., Structural, Mechanical and Electrical Engineers, 19, British Indian Street, Calcutta 1.

Himani Ltd., Soap Makers and Perfumers, 29, Waterloo Street, Calcutta 1.

Himatsingka Timber Ltd., Timber Merchants and Forest Lessees Sawmill Owners, 6, Old Post Office Street, Calcutta 1.

Hind General Trading Co. Ltd., Importers and Exporters, Timber, Groundnuts Seeds and Oils, 61, Strand Road, Calcutta 1.

Hindustan Battery Manufacturing Co., Premier Battery Manufacturers, 167, Old China Bazar Street, Bhola Nath Building, 2nd Floor, Calcutta 1.

Hindustan Carbon & Ribbon Factory, Manufacturers of Carbon Papers, Waxed Papers, Oiled Papers, 24, Bagmati Road, Calcutta 11.

Hindusthan Housing & Land Development Trust Ltd., Dealers in Sale and Purchase of Buildings, Plot and Land, 36, Chowringhee, Calcutta 16.

Hindusthan Industries & Machine Manufacturing Co., Ltd., Manufacturers of Electrical Fans, Motor, etc., 50, Ezra Street, Calcutta 1.

Hindusthan Tannery, Manufacturers of Box and Willow Calf, Suede Leathers, Windsor House, P-14, Bentinck Street, Calcutta 1.

Hindusthan Trading Co., Manufacturers of High Power Incandescent Gas Mantles, 18-4, Akkur Dutt Lane, Calcutta 12.

Hindusthan Type Foundry, Copper Alloy Type Founders and Printing Materials Manufacturers, 8-A, Akkur Dutt Lane, Calcutta 12.

Hindusthan Vegetable Products Ltd., Manufacturers of Vanaspathi and Soap, 47, Zakariah Street, Calcutta 7.

Hindusthan Woodcrafts, Manufacturers of Timber Doors, Window Shutters, Quality Furniture, 8-2, Santosh Mitra Square, Calcutta 12.

Hing's Carpentry Works, Manufacturers of Woodwork of every description, 38, Middle Road, Entally, Calcutta 14.

Hirmit & Dijnit, Exporters of Hides, Skins, Leather, Herbs, Drugs and Gunny Bags, P.O. Box No. 11444, Calcutta 6.

H. Mukerji & Banerjee Surgical Ltd., Manufacturers and Dealers in Surgical Instruments and Appliances, 39-1, College Street, Calcutta 12.

HOLLERITE (INDIA) LIMITED, 17, Chittaranjan Avenue, Calcutta. Manager (Calcutta North) J. R. Birmingham, Manager (Calcutta South) D. Y. Hodorakar. Phone. City. 5294 and Bank: 1870 Grams: "TABULORIAL".

Ideal Toys & Aircraft Co., Premier Steam and Mechanical Toy Makers, 54-A, Palkpara Row, Calcutta 37.

Ideal Trading Co., Importers and Exporters, P-11-1, Brabourne Road, Calcutta 1.

Iford-Selo (India) Ltd., Importers and Distributors of Photographic Materials and Accessories, 15, Chittaranjan Avenue (South), Calcutta 13.

Imperial Chemical Industries (India) Ltd., Suppliers in India of Chemicals, Fertilizers, Dyestuffs, 18, Strand Road, P.O. Box No. 182, Calcutta 1.

Imperial Cosmetic Industries, Manufacturers of First Class Cosmetics, Perfumes and Toilet Requisites, Post Box No. 646, Calcutta 1.

Imperial Enamel Works, Sign Manufacturers, 118-A, Chittaranjan Avenue, Calcutta 7.

Imperial Fruit Preserving Co., Canning and Condiment Manufacturers, 35-A, Murari Pukur Road, Calcutta 4.

Imperial Glass Stores, Dealers in All Sorts of Glass, 88-B, Bow Bazar Street, Calcutta 12.

Imperial Safe Manufacturing Co., Manufacturers of Steel Safe, Almirahs, Strong Doors, 105, Harrison Road, Calcutta 7.

Indestro (India) Agency, Hardware and Mill Stores Merchants, Manufacturers' Representatives, 38, Netaji Subhas Road, Calcutta 1.

India Automobiles, Motor Cars Importers, Automobiles Engineers and Dealers in Studebaker Cars, 12, Govt. Place East, Calcutta 1.

India Biscuit Co., Manufacturers of Biscuits, Biscuits and Cakes, 15-A, Badridas Temple Street, Calcutta 4.

India Electric Works Ltd., Electric Motors, Telephones and Telegraph Instruments, Diamond Harbour Road, Calcutta 8.

India Pulp Plastics, Manufacturers of Toys, 20, Strand Road, Calcutta 1.

India Steel Collapsible Gate Co., Manufacturers of Collapsible Gates, Ornamental Grills, 103, Bellaghata Main Road, Calcutta 10.

India Tea (Blenders) Corporation, Tea Blenders and Exporters, P35-B, Chittaranjan Avenue, Calcutta 5.

India Trading & Agency Co., Dealers in Machinery, Hardware and Welding Materials, 8, Jackson Lane, Calcutta 1.

India Water Supply Corporation, Tube-well Contractors, both for Extraction and Sinking, 203-1, Harrison Road, Calcutta 7.

India Waterproofing & Dyeing Works, Manufacturers of Canvas, Paulins, Raincoats of all kinds, 60-2, Dharamtala Street, Calcutta 13.

Indian Mica Products Co., Mica, Micanite Dealers, Commission Agents and Exporters, 16, Roy Lane, Calcutta 7.

International Paper Co., Dealers in all kinds of Papers, Saxena Building, 2nd Floor, 1-2 Jackson Lane, Calcutta 1.

Jagdish Machinery Stores, Mill Stores Suppliers, Machinery Merchants and Ball Bearings Stockists, 38, Netaji Subhas Road, Calcutta 1.

Jaggi & Co., Cloth Merchants, Commission Agents, General Order Suppliers, 12, Lindsay Street, Calcutta 16.

Jaharlal Pannalal & Co., Cloth Merchants, High Class Tailors and Outfitters, College Street Market, Calcutta 12.

Jaldalay Udairam, Premier Importers and Stockists of Textiles and Sundry Goods, 208, Harrison Road, Calcutta 7.

Jain Wire-Netting Stores, Manufacturers and Stockists of Wire-Netting and Expanded Metal, 62, Netaji Subhas Road, Calcutta 1.

Jakoba Tea Co (India), Tea Merchants, 9, Royal Exchange Place, Calcutta 1.

Jalaluddin & Co., All kinds of Leather and Shoe Material Merchants, 14, Bentinck Street, Calcutta 1.

Jalan Industries Ltd., Merchants, Planters, Bankers, Agents and Financiers to Tea Estates, Jalan House, 62, Ballygunge Circular Road, Calcutta 19.

James Alexander & Co., Ltd., Mechanical and Structural Engineers, Sheet Metal Workers, 8, Dalhousie Square East, Calcutta 1.

James Dew & Co., Manufacturers of Indigenous Drugs, Beauty Aids, Soaps, 43-A, Raja Dinendra Street, Calcutta 1.

Jayer & Co., Manufacturers and Dealers in Surgical Cotton, Gauze Bandage, 12, Netaji Subhas Road, Calcutta 1.

Jay Shree Tea Gardens Ltd., Owners of Tea Gardens and Exporters of Tea, 8, Royal Exchange Place, Calcutta 1.

Jay-Sree Supply Agency, Dealers in Electricals, Fittings, Insulators, Switch-gear, 14-2, Old China Bazar Street, Calcutta 1.

Jeetmal Jaichand Lal, Manufacturers and Dealers of Brass and Copper Wires, 108, Old China Bazar Street, Calcutta 1.

Jenson & Nicholson (India) Ltd., Paint, Colour, Varnish and Enamel Manufacturers, 2, Fairlie Place, Calcutta 1.

Jessop & Co., Ltd., Structural, Mechanical and Electrical Engineers and Railway Wagon, 63, Netaji Subhas Road, Calcutta 1.

Jewell Filter Co., Ltd., Water Purification Engineers, Manufacturers and Suppliers of Filters, 4, Lyons Range, Calcutta 1.

Jivon, B. & Co., Expert in Cooling Plant, Frigidaire, Laboratory, Industrial and Domestic Motors, 97, Grey Street, Calcutta 5.

Jokhiram Bajinath, Exporters of Scrap Iron, Coal and Other Minerals and Importers, Jain House, 8-1, Esplanade East, Calcutta 1.

Johnson, S. U. & Co., Manufacturers of all sorts of Scientific and Laboratory Apparatus and Instruments, 1-2, Jadu Nath Mitra Lane, Calcutta 4.

Kamala Enterprises Ltd., Importers, Exporters, Manufacturers Representatives, Commission Agents, 113-B, Manohardas Katra, Calcutta 7.

Kamala Laundry, Art Dyers and High Class Cleaners, 2, Raja Kalkrishna Lane, Calcutta 5.

Kamalalaya Ltd., Tailor and Cloth Merchants, College Street, Market, Calcutta 12.

Kapoor Company (Agencies) India, 5 & 6, Hare Street, Calcutta 1.

Karfa & Co., Hardware, Metal Merchants and General Order Suppliers, 115, Netaji Subhas Road, Calcutta 7.

Karim Buksh, H. & Son, Gentlemen's Tailors and Outfitters, 18C, Park Street, Calcutta 16.

Karmoker & Co., Manufacturers of High Class Ink and Sealing Wax, 38A, Gokul Mitra Lane, Calcutta 3.

Karnani Metal Fabricators, Manufacturers of everything in Steel Furniture, 3-1, Mohon Bazar Lane, Calcutta 4.

Kartik Chandra Das, Sugar Merchants, P66-4, Strand Bank Road, P.O. Beadon Street, Calcutta 6.

Kartik Chandra Das Ltd., Salt Merchants, "Kartik Kutir", P66-4, Strand Bank Road, Kulpighat, Calcutta 6.

Kasco Metal Products, Manufacturers of Bolts, Nuts and Rivets, 6, Mangoe Lane, Calcutta 1.

Kasi Nath Daw & Co., Importers of Stockists of Sulphur, Saltpetre, Chlorate of Potash, 57, Netaji Subhas Road, Calcutta 7.

Kedarnath Poddar & Co., Stock and Share Brokers and Bankers, 7, Lyons Range, Calcutta 1.

Kedar Nath Mullick & Sons, Stationers, Printers and General Order Suppliers, 147, Old China Bazar Street, Calcutta 1.

Keighley Leather Works, Manufacturers of all kinds of Industrial and Commercial Leathers, B5, Clive Buildings, Netaji Subhas Road, Calcutta 1.

Kellner, G. F. & Co., Ltd., Caterers and Railway Refreshment Room Contractors to the East Indian, 32, Chowringhee, Calcutta 16.

Kemp & Co., Ltd., Manufacturing and Retail Chemists, 21, Old Court House Street, Calcutta 1.

Ker, C. & Co., Ltd., Importers and Dealers in Tubes, Hardware, Pumps, Rice Mill Parts and Tools, 11-A, Raja Woodmunt Street, Calcutta 1.

Kesaria & Co., Exporters and Importers of Tea, Rice, Gunny Hessian and Plywood, 19, Amratolla Street, Calcutta 1.

Keshab Chandra Banerjee & Sons, Iron Founders and Mechanical Engineers, 130, Bellios Road, Howrah.

Khadi Pratishthan, Manufacturers of Ghee, Casein, Condensed Milk, Mustard Oil, 15, College Square, Calcutta 12.

Ladakchand O. Vora, Cotton and Cotton Waste Exporters, Government and Railway Contractors, 68-D, Netaji Subhas Road, Calcutta 1.

Laha Brothers & Co., Importers of and Dealers in Sanitary and Water Supply Appliances, 136, Russa Road, Calcutta 26.

Laha, R. B. & Sons, Fancy Box Manufacturers, Specialists in Jewellery Cases and Watch Boxes, 23, Bochu Chatterjee Street, Calcutta 9.

Lahiri & Co., Homoeopathic Chemists and Druggists, 35, College Street, Calcutta 12.

Lakhiprasad Loknath & Co., Importers of Textiles and Yarn, Exporters of Jute and Jute Manufactured Goods, 35, Chittaranjan Avenue, Calcutta 12.

- Lakshmi Bottle Stores, Manufacturers of Inscribed and Plain Bottles and Phials, 17, Ezra Street, Calcutta 1.**
- Lakshmi Home Industry, Manufacturers of Miniature Toys, 22 Bolal Singhi Lane, Calcutta**
- Langrin Cement Factory Ltd., Emery Powder, Paper and Cloth, Sand Paper, Quartz Sand, Marble Chips, 15, Clive Row, Calcutta 1.**
- Laterite Syndicate Ltd., High Alumina Cement Patented in India and Abroad, 36, Chowringhee, Calcutta 16.**
- Lawrence & Mayo (India) Ltd., Ophthalmic Opticians and Scientific Instrument Makers, B-5, Clive Buildings, Calcutta 1.**
- Lee, C. H., Manufacturers' Representative and Agent for Mill Stores, Hardware, and Machinery, Rooms 38-39, 67-B, Netaji Subhas Road, Calcutta 1.**
- Lens & Scientific Instrument Co., Ltd., Manufacturers of Scientific and Optical Instruments and Spectacle Lenses, 5-2, Old Court House Street, Calcutta 1.**
- Leonard Biermans, S. A., Manufacturers of Playing Cards and Coloured Flint Papers, 13-1-A, Government Place East, Calcutta 1.**
- Leslie, W. (Motors), Automobile Engineers and "Ford" City Dealers in Calcutta, 24, Chittaranjan Avenue, Calcutta 12.**
- Levetus Limited, British and Continental Manufacturers' Representatives and Importers, Pollock House, 18-B, Brabourne Road, Calcutta 1.**
- Lewis, F. C. (Tailors), Civil and Military Tailors, Academic Gowns, Hoods and Caps, 38-A, Park Manslon, Park Street, Calcutta 16.**
- Lewis & Tylor Ltd., Belting and Hose Manufacturers, 6, Church Lane, Calcutta 1.**
- Lightning Electric & Engineering Co., Electrical Engineers and Contractors, 23, Wellesley Street, Calcutta 16.**
- Lotus Oil Co., Manufacturers of Linseed Oil, Mowah Oil, Groundnut Oil, Coconut Oil, 44, Beadon Row, Calcutta 6.**
- Loyal Art Press, Art and Commercial Printers, 20, Strand Road, Calcutta 1**
- Macfarlane & Co., Ltd., Manufacturers of Valamold Plastic Roofing Compound, Vala Brand Paints, 25, Netaji Subhas Road, Calcutta 1.**
- Mackenzie, Lyall & Co., Auctioneers, Wine Merchants, Clearing and Forwarding Agents, 5, Mission Row, Calcutta 1.**
- Mackie Bros., Process Block Specialists, Engravers, Printers and Designers, 53, Bowbazar Street, Calcutta 12.**
- Macneill & Barry Ltd., Merchants and Agents, 2, Fairlie Place, Calcutta 1.**
- Macropolo, D. & Co. Ltd., Manufacturers of Turkish and Egyptian Cigarettes, Tobacco and Cigars, 11, Old Court House Street, Calcutta 1.**
- Madan & Co., Sports Outfitters, Manufacturers of Athletic Footwear, Leg-Guards, 116, Bowbazar Street, Calcutta 12.**
- Madan Gopal Mullick, Dealer in Glassware, Enamelware, Crockery, Hurricane, 10, Brabourne Road, Calcutta 1.**
- Madhavilal & Co., Importers, Exporters, Tea, Rice, Spices and Jute Goods Merchants, 11, Ezra Street, Calcutta 1.**
- Madhuprasad Mahabirprasad, Salt Merchants and Exporters of All Jute Waste and Cadies, 5, Bentinck Street, Calcutta 1.**
- Madona Paint Colour & Varnish Works Ltd., Manufacturers of Paints, Dry Colours, and Varnish, 29-3A, Chetla Central Road, Calcutta 27.**
- Mair, A. M., & Co., Ltd., Jute Merchants and Brokers, Allahabad Bank Buildings, 6, Royal Exchange Place, Calcutta 1.**
- Majhipara Agricultural Farm, Growers of all kinds of Vegetable and Flower Seeds, 3, Huzuri Mull Lane, Calcutta 14.**
- Majumdar, M. B. Ltd., Importers of all types of Hosley Knitting Machines from U.S.A., U.K., and Germany, 3, Chittaranjan Avenue, Calcutta 13.**
- Manick Lall Mullick, Civil and Sanitary Engineers, Contractors and General Order Suppliers, 3-1, New Bowbazar Lane, Calcutta 12.**
- Mansfield & Sons, Saw-mill Owners and Engineers, 16, Tangra Road, Calcutta 15.**
- Mansfield Oil-Gas Co., Ltd., Oil Gas Engineers and Laboratory Filtrators, P-35, Ganes Chandra Avenue, Calcutta 13.**
- Mati Lall Atta, Seller of All Sorts of Cast Iron Goods and Hardwares, 56, Netaji Subhas Road, Calcutta 7.**
- Marine & General Suppliers' Corporation, Manufacturers' Representatives, Jute Mill and Tea Garden Stores Suppliers, 6-1B, Jugal Kishore Das Lane, Calcutta 6.**
- Mars Engineering Co., Electrical Engineers and Contractors, Stockists of all Electrical Goods, Windsor House, P-14, Mission Row, Extension, Calcutta 1.**
- Maritime Supplying Agency, Engineers and Contractors and Manufacturers of Sanitary Equipments, 3, Commercial Buildings, Netaji Subhas Road, Calcutta 1.**
- Nagendra Nath Basu Ltd., Spices, Oil, General Merchants and Commission Agents, A-5, Jagannath Ghat, Calcutta 7.**
- Nagina Musical Products Co., Musical Dealers, 18, Mirzapur Street, Calcutta 12**
- Nalk & Co., Manufacturers and Importers of Wirenettings of all Metals for Every Purpose in all Mesh Sizes, 68-A, Netaji Subhas Road, Calcutta 7.**
- Naltram Sagarmall, Timber Imports, Stone Quarry Owners and General Merchants, 59-60, Strand Road, Calcutta 6.**
- Nan, P. L., Watch and Clock Maker, Kashi Ghose Lane, P.O. Beadon Street, Calcutta 6.**
- Nandan Bros., Jewellers and Manufacturers of Gold and Silver Articles, 2, Chakrabortia Road (South), Bhowanipour, Calcutta 25.**
- Nandoram Khedanalal, Manufacturers of High Class Surti, Zarda and Various Other Preparations, 30, Upper Chitpore Road, Calcutta 7.**
- Naran Chunder Dey, Glass and Tinplates Merchants, Clive Buildings, (China Bazar Side), Calcutta 1.**
- Narandas Gopaldas, Chemical and Metal Broker, 2, Dalhousie Square, East, Calcutta 1.**
- Natabar Paul & Co., Ltd., Stockists, Importers, Exporters of Galvanized and Black Sheets, Natabar Bhaban, 19, Maharshi Debendra Road, Calcutta 7.**
- Natharun & Co., Importers and Stockists of Hardware, Iron and Steel and General Stores, 36, Strand Road, Calcutta 1.**
- National Agencies, Paper, Stationery, Glassware, Earthenware, Crockery and Cutlery, 120, Upper Circular Road, Calcutta 9.**
- National Collapsible Gate Co., Manufacturers of Collapsible Gates, Grills, etc., 35, Akhil Mistry Lane, Calcutta 9.**
- National Cosmetics, Manufacturers of "Diana Talcum Powder" and other quality beauty preparations, 13, Parkside Road, Calcutta 26.**
- National Fire & General Insurance Co., Ltd., Fire, Marine, Motor Car, National Insurance Building, 7, Council House Street, Calcutta 1.**
- National Insulated Cable Co. of India Ltd., Manufacturers of All Standard Types and Sizes of Electric Wires and Cables, Stephen House, 4, Dalhousie Square East, Calcutta 1.**
- National Syndicate, Manufacturers and Importers, Dealers in Asbestos Cement, Roofing, 2, Royal Exchange Place, Calcutta 1.**
- Nationale Handbank, N.V., 1, Royal Exchange Place (East), Calcutta.**
- Natwarial N. Dattary, General Order Suppliers and Commission Agents, Dealers in Screws, 46, Ezra Street, Calcutta 1.**
- New Theatres Ltd., Cinematographic Film Producers, Distributors and Exhibitors, 172, Dharamtala Street, Calcutta 13.**
- N. G. B. Concern Ltd., Scientific and Laboratory Glass Apparatus, 9, Nayan Chand Dutt Street, Calcutta 6.**
- Ocean Accident & Guarantee Corporation Ltd., Transacts All Classes of Accident Insurance, 32, Dalhousie Square, Calcutta 1.**
- Odhavji Devidas & Co., Importers and Manufacturers of Fine and Heavy Chemicals, Colours, 9, Armenian Street Calcutta 1.**
- Olpherts Ltd., Manufacturers of Natural Dry Pigments, Red and Yellow Ochres and Red Oxides, 1-2, Moti Silk Street, Calcutta 13.**
- Olympia Sporting House, Exporters, Importers and Manufacturers of High Grade Fishing Tackles and Sports Goods, 1, Wellington Street, Bowbazar, Calcutta 12.**
- Omega Fan Manufacturing Co., Manufacturers of Electric Fans and Fan Parts, 22, Strand Road, Calcutta 1.**
- Omega Date-stamp Mfg. Co., Manufacturers of Date Stamps, Numbering Stamps, Office Stamps, 13-D, Ghose Lane, P.O. Beadon Street, Calcutta 6**
- Onkarmull Kanailal & Co., Merchant and Banker, 18, Netaji Subhas Road, Calcutta 1.**
- Optics Manufacturing House, American Qualified Consulting and Dispensing Optician, 309, Bow Bazar Street, Calcutta 12.**
- Orient Safe & Cabinet Manufacturing Co., Ltd., Manufacturers of High Class, Jointless Fire Proof and Burglar Resisting Steel Safes, 133, Canning Street, Calcutta 1.**
- Orient Supply Syndicate, Shipchangers and Marine Stores Dealers, 2, Raja Woodmunt Street, Calcutta 1.**
- Panchkail Tat & Sons Ltd., Dealers in Coconut, Groundnut, Mustard, Til, Mahua, Castor, 6, Meerbahar Ghat Street, Calcutta 7.**
- Panna Lall Seal & Co., Importers and Exporters, Paper and Board Merchants, Stationers, 56-1A, Radha Bazar Street, Calcutta 1**
- Pan-Orient Co., Ltd., Import and Export Merchants, 8, Waterloo Street, Calcutta 1.**
- Paper & Stationery Co., Paper Merchants and Importers, 14-2, Old China Bazar Street, Calcutta 1.**
- Paris Collapsible Gate Co., Grilles, Railings and Structural and All Kinds of Brass and Iron Works, 2 & 3, Rifle Road, (Park Circus), Calcutta 17.**
- Quaderia Pharmacy, Chemists and Druggists, 20-1A, Jannagar Road, Calcutta 14.**
- Queensland Insurance Co., Ltd., Fire, Marine, Motor and Accident Insurance, 16, Netaji Subhas Road, (Ground Floor), Calcutta 1.**
- Queen Stationery Stores, Stationers, Account Book Sellers, Manufacturers of Radio Brand, 63-E, Radhabazar Street, Calcutta 1.**
- Quick Photo Service Co., Ltd., Photo Goods Dealers, Printing, Bromide Enlarging and Picture Framing, 157-B, Dharamtala Street, Calcutta 13.**
- Radio Supply Stores Ltd., Manufacturers and Importers of Wireless Apparatus and Radio-Gramophones, 3, Dalhousie Square, Calcutta 1.**

Radon House, Manufacturers of Ammeters, Voltmeters, Transformers, 89, Kallighat Road, Calcutta 26.

Rae & Co., Die Stampers, Card Printers and Engravers, 5-A, Madge Lane, Calcutta 16.

Rahman, S. A. & Sons, Direct Importers of Medicines, Toilet Requisites and General Merchandise, 11, Colootola Street, Calcutta 1.

Railway Appliances & Engineering Co., Mechanical Engineers and Hardware Merchants, 71-A, Netaji Subhas Road, Calcutta 7.

Sadasukh Kabra & Co., Stock and Share Brokers, 2, Royal Exchange Place, Calcutta 1.

Saha, R. N. & Co., Oil Merchants and Dealers, Coal-Tar Manufacturers and Dealers, 26, Gouribari Lane, Calcutta 4.

Satal Engineering Works, Electrical Engineers and Contractors, 16, British Indian Street, Calcutta 1.

Saxby & Farmer (India) Ltd., Railway Signal and Brake Engineers, 17, Convent Road, Entally, Calcutta 14.

S. B. Trading Co., Electrical Dealers, Contractors and Importers, Stockists of Cables, 2, Manook's Lane, Calcutta 1.

Taparia & Co., Dealers in Ball and Roller Bearings, 137, Canning Street, Calcutta 1.

Tarachand Gupta & Co., Hessian Cloth, Gunny Bags, Jute and Hessian Twine, Jute and Flax, 131, Cotton Street, Calcutta 7.

Tarachand Poursram, Manufacturing Jewellers and Diamonds Merchants, 7-1C, Lindsay Street, (4th Floor), Calcutta 16.

Tata Iron & Steel Co. Ltd., Manufacturers of Iron and Steel, 23-B, Netaji Subhas Road, Calcutta 1.

Taylor Bros., Publishers and Publicity Agents, 2, Royal Lane, Calcutta 16.

TECALEMIT (INDIA) LTD., Specialists in Garage Service, Motor Trade, Railway, Agricultural, Industrial and Marine Lubricating Equipment; London, Calcutta, Bombay, Madras and New Delhi; Calcutta Office: 31, Chittaranjan Avenue, Calcutta. Phone: City—5050. Grams: "TECALEMIT." Director and General Manager: Lt.-Col. G. E. Cater; Branch Manager: A. R. Leonard.

Uberoi Limited, Manufacturers of Athletic Goods, 22-1, Chowringhee Road, Calcutta 13.

U. N. Co., Ophthalmic Opticians, 80, Harrison Road, Calcutta 9.

Union Metal Industries Ltd., Brass Electric Lampholders, Connectors, Aerial Fuses, 2, Clive Ghat Street, Calcutta 1.

Union Oil Distributing Co. (India), Specialists in Petroleum Products, Room No. 15, 22, Canning Street, Calcutta 1.

Union Plywood Ltd., Manufacturers of Teacheats Plywood and Commercial Plywood and Casein Dealers, 1, Commercial Buildings, Calcutta 1.

Varat Plywood, Plywood Sheet Manufacturers, 67-B, Netaji Subhas Road, Calcutta 1.

Variety Films, Motion Pictures Producers and Distributors, 68, Dharamtala Street, Calcutta 13.

Variety Trading Co., Hardwares, Metal Merchants, Agents, Dealers in Paints, 221-2, Strand Bank Road, Calcutta 1.

Varma, M. L. & Co., Engineers, Builders and Contractors, 4-1, Revd. Kall Banerji Row, Calcutta 6.

Vax Institute Laboratory Ltd., Manufacturers of Chemical and Pharmaceutical Products, 13, Daspara Road, P.O. Ultadanga, Calcutta 4.

Wakefield, C. C. & Co. Ltd., Manufacturers and Importers of All Classes of Lubricating Oils, 7, Royal Exchange Place, Calcutta 1.

Waverley Pharmacy, Pharmaceutical Chemists and Opticians and Dealers in Photo Goods, 128, Dharamtala Street, Calcutta 13.

Wave Service, Dealer in Radios, Musical Instruments, Photographic Goods, P-22, Mission Row Extension, Calcutta 13.

Wearwell & Co., Leading House for High Class Footwear, 1, New Market, Calcutta 13.

William Jacks & Co., Ltd., Engineers and General Merchants, 16, Netaji Subhas Road, Calcutta 1.

Xanthic Industries, Paints and Varnish Manufacturers, 14, Subhas Nagore Road, Calcutta 28.

Yaqoobali Moosajeg & Co., Importers and Exporters, 67-A, Netaji Subhas Road, Calcutta 1.

Yogendra Brothers, Importers and Exporters, Machinery and Coal Merchants, 24, Netaji Subhas Road, Calcutta 1.

Young & Co., Boot and Shoe Makers, Leather Goods Manufacturers, 44, Chittaranjan Avenue, South, Calcutta 12.

Young India Typewriter Co., Repairers of all makes of Typewriters, 253, Upper Chitpur Road, Calcutta 3.

Young Graduate & Co., Engineers and Manufacturers of Springs and Spring Washers, 128-C, Dharamtala Street, Calcutta 13.

Zenith Assurance Co., Ltd., Transacting Life, Fire, Motor and General Insurance, Norton Buildings, 2, Old Court House Corner, Calcutta 1.

Zenith Ink & Gum Products Co., Manufacturers of "Glufine" Office Paste, Liquid Gum and Zenith Inks, 29, Madan Mitter Lane, Calcutta 6.

Zenith Radio & Electric Stores, Electrical Importers and Dealers, 25, Ezra Street, Calcutta 1.

Ziff & Co., Freight Brokers, 5, Garstin Place, Hare Street, Calcutta 1.

Zenith Wire-Netting Works, Manufacturers of Galvanized, Brass and Copper Wire-Nettings, 113, Netaji Subhas Road, Calcutta 7.

CLASSIFIED LIST OF TRADES AND PROFESSIONS OF WEST BENGAL

ABRASIVES MANUFACTURERS

Krishalal Thirani & Co., Ltd.—8, Royal Exchange Place, Calcutta 1.

ACCOUNTING MACHINES SUPPLIERS

HOLLERITH (INDIA) LIMITED.—17, Chittaranjan Avenue, Calcutta. Phone: City 5294 and Bank 1870.

AGRICULTURAL MACHINERY & IMPLEMENTS MANUFACTURERS

Associated Asby Industries Ltd.—22, Strand Road, Calcutta 1.
Bengal Iron & Steel Works.—8, Canning Street, Calcutta 1.
Great Eastern Cutlery Works.—2A-2B, Chetal Road, Tollygunge, Calcutta 33.
Guchait, S. P. & Sons Ltd.—2, Madhusudan Paul Chowdhury Lane, Howrah.
Howrah Foundry Works Ltd.—53-3, Ashu Bose Lane, Off Bellillo Road, Howrah.
Leslie, W. & Co.—B-3, Clive Buildings, Calcutta 1.

AGRICULTURAL REQUISITES

TECALEMIT (INDIA) LTD.—31, Chittaranjan Avenue, Calcutta. Phone: City 5050. Grams: "TECALEMIT." Lubrication, Refuelling, Metering Equipment and Air Compressors.

AIR COMPRESSORS

TECALEMIT (INDIA) LTD.—31, Chittaranjan Avenue, Calcutta. Phone: City 5050. Grams: "TECALEMIT." Lubrication, Refuelling, Metering Equipment and Air Compressors.

AIRCRAFT PARTS AND ACCESSORIES

TECALEMIT (INDIA) LTD.—31, Chittaranjan Avenue, Calcutta. Phone: City 5050. Grams: "TECALEMIT." Lubrication, Refuelling, Metering Equipment and Air Compressors.

ALUMINIUM MANUFACTURERS

A. G. Bros. & Co.—2, Neogipara Road, Calcutta 36.
Aluminium Corporation of India Ltd.—7, Council House Street, Calcutta 1.
Aluminium Manufacturing Co., Ltd.—56, Free School Street, Calcutta 16.
Ashoka Aluminium Products.—72-73, Old China Bazar Street, Calcutta 1.
Indian Aluminium Co., Ltd.—31, Chowringhee Road, Calcutta 18.
Jeewanlal (1929) Ltd.—31, Netaji Subhas Road, Calcutta 1.

AROMATIC CHEMICALS & ESSENTIAL OIL MANUFACTURERS

Banga Luxmi Chemical Works.—11, Clive Row, Calcutta 1.
Calcutta Chemical Co., Ltd.—35, Pandita Road, B. B. Avenue, Calcutta 29.
Eastern Drug Co., Ltd.—4, Moyerpore Road, Calcutta 27.
Ghose Bros. (Perfumers).—50, Ezra Street, Calcutta 1.
Hindustan Gas Co., Ltd.—8, Royal Exchange Place, Calcutta 1.
Premier Stores Supplying Co., Ltd.—8, Royal Exchange Place, Calcutta 1.
Pt Debi Pershand Prayag Dutt Ltd.—89, Lower Chitpur Road, Calcutta 7.

AUTOMOBILE PARTS AND ACCESSORIES

TECALEMIT (INDIA) LTD.—31, Chittaranjan Avenue, Calcutta. Phone: City 5050. Grams: "TECALEMIT." Grease Nipples and Guns; Filters, Elements, Metal Flexibles, etc.

BATTERY MANUFACTURERS

Associated Motor & Electrical Works.—37-1, Dr. Abani Dutt Road, Howrah.
Bharat Battery Manufacturing Co., Ltd.—P-1-A, Rashbehari Avenue, Calcutta 19.
Caesar Engineering & Accumulator Co.—6, Bramhan Para Lane, Calcutta 6.
Chloride & Exide Batteries (Eastern) Ltd.—4, Lyons Range, Calcutta 1.
Eastern Accumulator Co.—3-1, Mangoe Lane, Calcutta 1.
Eastern Electro-Chemical Co.—112, Narkeldanga Main Road, Calcutta 1.

Electrical Storage Co., Ltd.—112, Narkeldanga Main Road, Calcutta 11.

Free India Dry Accumulators Ltd.—2, Doyehatta Street, Calcutta 7.
Hard Storage Battery Co.—13-23, Russa Road, Calcutta 26.
Hindustan Battery Manufacturing Co.—187, Old China Bazar Street, Bhole Nath Building, 2nd floor, Calcutta 1.

BELTING AND HOSE MANUFACTURERS

Bengal Belting Works Ltd.—2, Dalhousie Square, East, Calcutta 1.
Brand S. B. & Co.—90, Pathuriaghata Street, Calcutta 6.
Chowdhury Belting Works.—2, College Square, Calcutta 12.
Zenith Stores & Agency Co.—19, Strand Road, Calcutta 1.

BISCUIT AND CONFECTIONERY MANUFACTURERS

Arizona.—2, Lindsay Street, Calcutta 16.
Aryan Bakery.—53, Kali Temple Road, Calcutta 26.
Bengal Confectionery Works.—99-3, Canning Street, Calcutta 1.
Britannia Biscuit Co., Ltd.—5-1, Mangoe Lane, Calcutta 1.
Calcutta Crown Biscuit Co.—99-3, Canning Street, Calcutta 1.
East Indian Bakery.—106, Lansdowne Road, Calcutta 29.
Empire Confectionery Co.—157-A, Dharamtala Street, Calcutta 13.
Ferrazzini's Ltd.—Humayan Court, 21, Lindsay Street, Calcutta 16.
Flurry's Swiss Confectionery Ltd.—18-A, Park Street, Calcutta 16.
G. S. Emporium Ltd.—47-A, Chittaranjan Avenue, Calcutta 12.

BOBBIN AND SPOOL MANUFACTURERS

Associated Timber Products Ltd.—Stephen House, Dalhousie Square, Calcutta 1.
Bengal Bobbin & Plywood Co., Ltd.—44-46, Canning Street, Calcutta 1.
Dey Wood, Iron & Steel Works.—36, Strand Road, Calcutta 1.
General Stores Supplying Co.—137, Canning Street, Calcutta 1.
General Supply Syndicate.—12, Raja Woodmunt Street, Calcutta 1.
Greenway & Co.—3, Mangoe Lane, Calcutta 1.
National Industrial Works.—135, Canning Street, Calcutta 1.
S. K. Woodproducts Co.—86-2, Bahir Surah Road, Calcutta 10.
Standard Wood Works.—200, Manicktolla Main Road, Calcutta 11.
Wood Crafts Products.—8, Royal Exchange Place, Calcutta 1.

BOLT, NUT & RIVET MANUFACTURERS

Adarson & Co.—36, Strand Road, Calcutta 1.
Alliance Engineering Works.—Santragachi, Howrah.
Ashly & Co.—28, Strand Road, Calcutta 1.

BOOKSELLERS AND PUBLISHERS

C. RINGER & CO.—Homoeopathic Chemists, Booksellers and Publishers, 23, Lall Bazar Street, Calcutta 1. Phone: Bank 4747. Grams: "RINGERCOY." Business running 75 years.

BOTTLE CAP AND CAPSULE MANUFACTURERS

British Merchandise Co.—137, Canning Street, Calcutta 1.
Chemical Association (Calcutta) Ltd.—55, Canning Street, Calcutta 1.
Crown Cork Mfg. Co. (Calcutta).—1, Umakanto, "Swastika" Sen Lane, Calcutta 30.
Dutt, P. S. & Bros.—7, Ezra Street, Calcutta 1.
Nunday, P. & Sons.—39, Ratan Babu Road, Calcutta 2.
Paul, N. B. & Co.—Manicktolla Bazar Lane, Calcutta 6.

BRASS AND COPPER SHEETS MANUFACTURERS

United Metal Industries Ltd.—62, Netaji Subhas Road, Calcutta 7.

BRUSH FACTORIES

Bengal Brush Factory.—20, Serpentine Lane, Calcutta 14.
Bepin Pal Sons & Co.—174-A, Dharamtala Street, Calcutta 13.
Britannia Brush Works.—123-124, Canning Street, Calcutta 1.
Caledonian Brush Works.—137, Canning Street, Calcutta 1.
Champatola Brush Factory.—18, Amherst Street, Calcutta 9.
Climax Brush Works.—64-A, Mirzapur Street, P.O. Amherst Street, Calcutta 9.
Cornwallis Brush Factory.—15, Ghosh Lane, Calcutta 6.
Crown Brush Factory.—132, Old China Bazar Street, Calcutta 1.
Dutt, S. K.—20, Strand Road, Calcutta 1.
Ghosh, B. C. & Bros.—44, Old China Bazar Street, Calcutta 1.

BUTTON AND COMB MANUFACTURERS

Dacca Button Works.—16, Windsor House, Mission Row Extension, Calcutta 1.
Jannadas Ramkissandas.—42, Sir Hariram Goenka Street, Calcutta 7.
Smith, J. & Co.—185-6, Gopal Lall Thakur Road, Calcutta 35.

CANDLE MANUFACTURERS

Rupali Candle Works.—9, Mondal Street, Calcutta 6.

CANNING AND CONDIMENT WORKS

Bengal Collective Industries & Farm Ltd.—56, Huzurimal Lane, Calcutta 14.

Daw, Sen & Co. Ltd.—29, Dr. Suresh Sarkar Road, Entally, Calcutta 14.

Farm & Fruit Products Ltd.—71-A, Chakrabere Road, North, Calcutta 20.

Farmer's Industries—3, Huzurimull Lane, Calcutta 14.

Great Eastern Preserving Works.—18 Blochmann Street, Calcutta 13.

CANVAS AND PAULIN MANUFACTURERS

Harley, F. & Co.—5, Dehi Serampore Road, Entally, Calcutta 14.

India Waterproofing & Dyeing Works.—60-2, Dharamtala Street, Calcutta 13.

Manton & Martin.—70, Netaji Subhas Road, Calcutta 1.

Shew Prosad Bishnu Prosad.—11, Dinu Rakhit Lane, P.O. Hatkhola, Calcutta 5.

Soobashah, A. S. & Bros.—83, Netaji Subhas Road, Calcutta 1.

CARBONIC ACID GAS FACTORIES

Hajee Ismail Sait & Sons Ltd.—P.O. Box No. 141, Calcutta.

CARD BOARD BOX MANUFACTURERS

Antool, S. & Co. Ltd.—91, Upper Circular Road, Calcutta 9.

Artacademy 3, Noormul Lohia Lane, Barrabazar, Calcutta 7.

Bengal Box Mfg Co.—1 & 4, Raj Coomer Chatterjee Road, Cossipur, Calcutta 2.

Bengal Card Board Box Co.—14, Amherst Street, Calcutta 4.

Bengal Card Board Box Factory.—3-B, Noormul Lohia Lane, Calcutta 7.

CARPET MANUFACTORIES

Birla Jute Manufacturing Co. Ltd.—8, Royal Exchange Place, Calcutta 1.

Cosmo Trading Co.—98, Netaji Subhas Road, Calcutta 1.

Indain Carpet Corporation.—30, Central Avenue, Calcutta 12.

Shroffs Carpets.—12, Chowringhee Road, Calcutta 13.

CELLULOSE AND CELLULOID ARTICLE MANUFACTURERS

Calcutta Celluloid Works Ltd.—8, Jackson Lane, Calcutta 1.

CHAMOIS LEATHER MANUFACTURERS

Hindustan Tannery.—Windsor House, P-14, Bentinck Street, Calcutta 1.

National Tannery Co. Ltd.—Cannal South Road, Pagladanga, P.O. Tangra, Calcutta 15.

CHEMICAL AND PHARMACEUTICAL PRODUCT MANUFACTURERS

Adcco Ltd.—29-3-A, Chetla Central Road, Calcutta 27.

Albert David Ltd.—15, Chittaranjan Avenue, Calcutta 13.

Allied Drug Industries Ltd.—2, Mission Row, Calcutta 1.

Arrow Co.—10-1, Bipradas Street, P.O. Amherst Street, Calcutta 9.

Aryan Drug House Ltd.—28, Kali Kumar Banerjee Lane, Calcutta 2.

CHEMICAL PLANT & MACHINERY MANUFACTURERS

C. S. A. (Mfg.) Co.—Porul Road, Behala, Calcutta 34.

Chemical Industries & Eng. Co.—2-1, Barrackpore Trunk Road, P. O. Barnagore, Calcutta.

CHEMISTS (IMPORTERS AND STOCKISTS)

C. RINGER & CO.—Homeopathic Chemists, Booksellers and Publishers, 23, Lal Bazar Street, Calcutta 1. Phone: Bank 4747. Grams: "RINGERCOY." Business running 75 years.

COTTON MILLS

Arati Cotton Mills Ltd.—29, Strand Road, Calcutta 1.

Associated Mills Ltd.—5, Hastings Street, Calcutta 1.

Banga Sri Cotton Mills Ltd.—23, Hurro Chunder Mullick Street, P. O. Hatkhola, Calcutta 5.

Bangshwar Cotton Mills Ltd.—63, Radhabazar Street, Calcutta 1.

Basanti Cotton Mills Ltd.—14, Netaji Subhas Road, Calcutta 1.

Bengal Cotton Cultivation & Mills Ltd.—21, Old Court House Street, Calcutta 1.

Bengal Luxmi Cotton Mills Ltd.—11, Clive Row, Calcutta 1.

Bengal Workers' Cotton Mills Ltd.—17, Mangoe Lane, Calcutta 1.

Bowresh Cotton Mills Co., Ltd.—21, Strand Road, Calcutta 1.

Deshabandhu Cotton Mills Ltd.—61, Cross Street, Calcutta 7.

D. N. Choudhury Cotton Mills Ltd.—23, Hurro Chunder Mullick Street, Calcutta 5.

Dunbar Mills Ltd.—21, Strand Road, Calcutta 1.

Hindusthan Cotton Mills Ltd.—P-2, Mission Row Extension, Calcutta 1.

Mahalaxmi Cotton Mills Ltd.—15, Netaji Subhas Road, Calcutta 1.

COTTON GINNING AND PRESSING FACTORIES

Rail Bros. Ltd.—Rance Cotton Ginning and Pressing Factory, Cossipore, Calcutta 2.

COTTON-WASTE MANUFACTURERS

Khan Industries Ltd.—14, Hare Street, Calcutta 1.

Ladakchand O. Vora.—68-D, Netaji Subhas Road, Calcutta 1.

Textile Waste Co.—113-C, Netaji Subhas Road, Calcutta 1.

CUTLERY MANUFACTURERS

Bengal Cutlery Works.—123-A, Dharamtala Street, Calcutta 13.

Bengal Iron & Steel Works.—8, Canning Street, Calcutta 1.

Edward Miller & Co.—20, Strand Road, Calcutta 1.

Great Eastern Cutlery Works.—2A-2B, Chetla Road, Tollygunge, Calcutta 33.

Indian Cutlery Manufacturing Co., Ltd.—A-3, Clive Buildings, Netaji Subhas Road, Calcutta 1.

CYCLE MANUFACTURERS

India Cycle Manufacturing Co., Ltd.—4, Clive Ghat Street, Calcutta 1.

Sen-Raleigh Industries of India Ltd.—Mercantile Buildings, Lalbazar Street, Calcutta 1.

DISTILLERIES AND BREWERIES

Bengal Breweries Ltd.—6, Mission Row, Calcutta 1.

Carew & Co. Ltd.—4, Fairlie Place, Calcutta 1.

DYE-STUFF MANUFACTURERS

Indian Chemical & Colour Works.—66, Shmla Street, Calcutta 6.

ELECTRIC WIRE AND CABLES

National Cable Works Ltd.—12, Dalhousie Square, East, Calcutta 1.

ELECTRICAL PLANT, APPARATUS, FANS AND LAMPS MANUFACTURERS

Allied Iron & Steel Co., Ltd.—12, Dalhousie Square, East, Calcutta 1.

Argentiferous Metal Processing Co.—119-B, Harrison Road, Calcutta 7.

Associated Electrical Industries (Mfg.) Co., Ltd.—Crown House, 6, Mission Row, Calcutta 1.

Asia Electric Lamp Co., Ltd.—45, Durga Charan Mukherji Street, Calcutta 3.

Bengal Electric Lamp Works Ltd.—100-C, Rash Behari Avenue, Calcutta 29.

ELECTRICITY SUPPLY WORKS

Associated Power Co., Ltd.—8, Clive Row Calcutta 1.

Calcutta Electric Supply Corporation Ltd.—Victoria House, Chowringhee Square, Calcutta 1.

Dishergarh Power Supply Co., Ltd.—8, Clive Row, Calcutta 1.

Jalpaiguri Electric Supply Co., Ltd.—2, Church Lane, Calcutta 1.

Kurseong Hydro-Electric Supply Co., Ltd.—12, Netaji Subhas Road, Calcutta 1.

ELECTROPLATED WARE & BRASSWARE MANUFACTURERS

Calcutta Metal Store.—62, Netaji Subhas Road, Burra Bazar, Calcutta 7.

Indian Brassware Store.—P-37B, Kalakar Street, Calcutta 7.

Metal House.—59-1, Cotton Street, Burra Bazar, Calcutta 7.

Nath's Brassware Factory.—8-2, Hospital Street, Calcutta 13.

ENAMELLED WARE MANUFACTURERS

Sur Enamel & Stamping Works Ltd.—24, Middle Road, Entally, Calcutta 14.

EXPANDED METAL MANUFACTURERS

Calcutta Expanded Metal Mfg. Co., Ltd.—P-16, Kalakar Street, Calcutta 7.
Hindusthan Wire & Metal Products Ltd.—57-74, Stephen House, Dalhousie Square, Calcutta 1.

FLOUR MILLS

Bengal Flour Mills Co., Ltd.—21, Netaji Subhas Road, Calcutta 1.
Calcutta Flour Mills.—242-1, Upper Circular Road, Calcutta 14.
City Oil & Flour Mills Ltd.—6 & 7, Netaji Subhas Road, Calcutta 1.
Howrah Flour Mills Ltd.—21, Rupchand Roy Street, Calcutta 7.
Marwar Flour Mills.—244-2, Upper Circular Road, Calcutta 4.

FOOTWEAR MANUFACTURERS

Bata Shoe Co., Ltd.—30, Theatre Road, Calcutta 16.
Bengal Tannery Co.—31-14, Lower Chitpore Road, Calcutta 1.

GALVANIZED HOLLOW-WARES AND METAL-WARES

Bengal Bucket & Steel Works.—68-D, Netaji Subhas Road, Calcutta 1.
Day, M. L. & Co.—9, Harinbari 1st Lane, Calcutta 27.
Dhur Galvanizing Works.—92, Ultadanga Main Road, Calcutta 4.
Electric Welding & Manufacturing Co. (India) Ltd.—2, Fairlie Place, Calcutta 1.
Ghosh & Co.—96, Harrison Road, Calcutta 7.

GLASS WORKS

Bengal Glass Manufacturers' Association.—P-11, Mission Row Extension, Calcutta 1.
Artistic Glass Works.—1-2, Tagore Castle Street, Calcutta 6.
Ashok Glass Works.—9, Ezra Road, Calcutta 1.
Balur Glass Works.—203-1, Harrison Road, Calcutta 7.

GLUE MANUFACTURERS

Bengal Paste Co.—10, Dehi Entally Road, Entally, Calcutta 14.
East India Glue Co.—82, Sambhunath Pandit Street, Calcutta 25.
India Glue Works.—11, New Tangra Road, Calcutta 15.
King Perfumery Works.—13, Khetra Das Lane, Calcutta 12.
Unita Trading Co.—76, Lower Circular Road, Calcutta 14.

GRAMOPHONES & RADIO MANUFACTURERS

Dey, K. C. & Sons.—161-1, Harrison Road, Calcutta 7.
Electro Radios Ltd.—10, Chowringhee Road, Calcutta 13.
Great India Technical & Wireless Association.—2, Cornwallis Street, Calcutta 6.
India Radio Manufacturing Co.—236, Chittaranjan Avenue, Calcutta 6.
International Radio Emporium Ltd.—3, Madan Street, Calcutta 13.

HOSIERY MILLS

Bangalakshmi Hosiery Mills.—68-1A, B. T. Road, Calcutta 2.
Banwari Hosiery Factory.—1, Raja Gurudas Street, Calcutta 6.
Basanti Hosiery Mills.—7, Marcus Square, Calcutta 7.
Broadway Textile & Hosiery Mills.—123-B, Raja Dinendra Street, Calcutta 4.
D. N. Bose's Hosiery Factory.—36-1A, Sarkar Lane, Calcutta 7.

HOSPITAL APPLIANCES AND APPARATUS MANUFACTURERS AND DEALERS

SCIENTIFIC GLASS APPARATUS CO.—5-A, Prosenno Kumar Tagore Street, Calcutta 6. Makers of Scientific and Medical Apparatus ; Govt. and Railway Contractors.

HOSPITAL FURNITURE MANUFACTURERS

Hospital Appliances Manufacturing Co.—101-B, Chittaranjan Avenue, Calcutta 12.
Hospital Supply Co.—111, Chittaranjan Avenue, Calcutta 12.
Jayer & Co.—12, Netaji Subhas Road, Calcutta 1.
Surgical Antiseptic Dressing Co.—194, Old China Bazar Street, Calcutta 1.

ICE AND AERATED WATER COMPANIES

Bengal Ice Co. Ltd.—49, Stephen House, 4, Dalhousie Square, Calcutta 1.
Byron & Co. (Original Firm).—5, Chowringhee Place, Calcutta 13.
Campbell's Minerals Co.—6-1, Sudder Street, Calcutta 16.
Cotton & Co.—18, British Indian Street, Calcutta 1.
Crystal Ice & Co.—50, Tangra Road, Entally, Calcutta 15.

IMPORTERS AND EXPORTERS

Dr. Shankar Mukerji.—79-3/A, Lower Circular Road, Calcutta 14.

INK MANUFACTURERS

Bandyo, S. & Co.—P. O. Alambazar, Calcutta 35.
Banerji, A. C.—Alambazar, Calcutta 35.
Bharat Carbon & Ribbon Mfg Co. Ltd.—543, Basantatal Saha Road, P. O. Tollygunge, Calcutta 33.
Bishop & Co. —Barnagore, Calcutta 36.
Calcutta Miscellany.—12, Ghose Lane, Calcutta 6.

INSECTICIDE MANUFACTURERS

D. C. M. Products (1937) Ltd.—9, Convent Road, Entally, Calcutta 14.
Eastern Physiological Institute—94, Harrison Road, Calcutta 7.
Jardine Henderson Ltd.—4, Clive Row, Calcutta 1.
John Paterson & Co. (India) Ltd.—14, Netaji Subhas Road, Calcutta 1.
Saratn & Co.—41, Tengra Road, Calcutta 15.

IRON AND STEEL WORKS

INDIAN IRON & STEEL CO. LTD. (Works : Burnpur and Kulti, West Bengal).—Managing Agents and Sales Office : Martin Burn Ltd., 12, Mission Row, Calcutta 1. Producers of Steel Blooms and Billets, Sections, Light and Heavy Rails, Bars, Black and Galvanised Sheets, Pig Iron, Iron Castings, Spun Iron Pipes, Cast Iron Pipes, etc.

JUTE MILLS

Adamjee Jute Mills Ltd.—5, Dalhousie Square, East, Calcutta 1.
Anglo-India Jute Mills Co. Ltd.—31, Netaji Subhas Road, Calcutta 1.
Bally Jute Co. Ltd.—4, Clive Row, Calcutta 1.
Barnagore Jute Factory Co. Ltd.—Barnagore, Calcutta 36.
Bharat Jute Mills Ltd.—29, Strand Road, Calcutta 1.

JUTE PRESSES

Atlas & Union Jute Press Co. Ltd.—3, Kali Prasanna Singhee Street, Cossipore, Calcutta 2.
Calcutta Hydraulic Press Co. Ltd.—8, Clive Row, Calcutta 1.
Camperdown Pressing Co. Ltd.—23-A, Netaji Subhas Road, Calcutta 1.
Central Hydraulic Press Co. Ltd.—8, Clive Row, Calcutta 1.
Cossipore Hydraulic Press.—15, Ratan Babu Road, Cossipore, Calcutta 2.

LAC FACTORIES

Angelo Bros. Limited.—6, Lyons Range, Calcutta 1.
Associated Commercial Concerns.—14, Bow Bazar Street, Calcutta 12.

LEAD MILLS

Dutt, K. L., & Sons.—1, Nirode Behary Mullick Road, Calcutta 6.
India Rolling Mills Ltd.—9, Netaji Subhas Road, Calcutta 1.

LENS AND OPTICAL INSTRUMENT MANUFACTURERS

Instrument Research Laboratory Ltd.—309, Bow Bazar Street, Calcutta 12.
Lens & Scientific Instrument Co. Ltd.—5-2, Old Court House Street, Calcutta 1.

LIME, STONE AND CEMENT WORKS

Burn & Co. Ltd.—12, Mission Row, Calcutta 1.
 Dr. Harendra Kumar Ghosh & Sons.—21, Barwaritola Road, Bellaghata, Calcutta 10.
 Indian Patent Stone Co. Ltd.—Chartered Bank Building, Calcutta 1.
 Swalka Brick Works.—Pollock House, 28A, Pollock Street, Calcutta 1.
 Sylhet Lime Co. Ltd.—4, Fairlie Place, Calcutta 1.

LOCK AND SAFE MANUFACTURERS

Bengal Iron Safe & Lock Works. 120 Sovabazar Street, Calcutta 5.
 Bombay Safe & Steel Works.—39, Netaji Subhas Road, Calcutta 1.
 Das & Co., Lock & Safe Specialists Ltd.—Protection House, 31A, Barrackpore Trunk Road, P. O. Cossipore, Calcutta 2.
 Das Lock & Safe Mfg. Co. Ltd.—77B, Rash Behari Avenue, P. O. Kallighat, Calcutta 26.

MACHINE PARTS MANUFACTURERS

Dutt, S. K.—20, Strand Road, Calcutta 1.
 Hindusthan Development Corporation Ltd.—Hindusthan Buildings, 4, Chittaranjan Avenue, Calcutta 13.
 New India Engineering Syndicate.—113-G, Netaji Subhas Road, Calcutta 1.
 Pasupati Engineering Co.—2, Dalhousie Square, East, Calcutta 1.
 Shalimar Foundry Ltd.—32, Chittaranjan Avenue, Calcutta 13.

MACHINE SCREWS MANUFACTURERS

Ashly & Co.—28, Strand Road, Calcutta 1.
 Jugal Kishore Karmoker & Bro.—12, Jadu Pandit Road, Beadon Street, Calcutta 6.
 Khan Pal Chowdhury & Co. Ltd. 71A, Netaji Subhas Road, Calcutta 1.
 Mullaek, A. M. & Co.—84-A, Room No. 169, Netaji Subhas Road, Calcutta 1.

MACHINE TOOLS

Bharatmata Engineering Works.—28, Strand Road, Calcutta 1.
 Hardware & Metal Industries Co. 30, Netaji Subhas Road, Calcutta 1.
 Heores Engineering Works Ltd. 20, Paul Street, Shambazar, Calcutta 4.
 Hindusthan Development Corporation Ltd.—Hindusthan Buildings, 4, Chittaranjan Avenue, Calcutta 13.
 India Machinery Co. Ltd. 29, Strand Road, Calcutta 1.

MACHINERY MANUFACTURERS

Ashly & Co.—28, Strand Road, Calcutta 1.
 Atlas Works Ltd.—119, Ripon Street, Calcutta 16.
 Bengal Metal & Machinery Syndicate.—P-30, Mission Row Extension, Calcutta 1.
 Bery Brothers. 135, Canning Street, Calcutta 1.
 Corporated Engineers (India) Ltd.—7, Chittaranjan Avenue, Chowringhee Square, Calcutta 13.

MATCH FACTORIES

Esavi India Match Manufacturing Co.—47, Muraripukur Road, Maniktolla, Calcutta 4.
 Laxmi Match Ltd.—243, Upper Chitpore Road, Calcutta 3.

MECHANICAL AND STRUCTURAL ENGINEERS

D. N. BOSE & CO. LTD.—12, Kali Das Singhee Lane, Calcutta 9. **Mechanical and Structural Engineers. Office-Bearers:**
D. N. Bose, P. C. Ghosh and S. N. Dey.

METAL & METAL ALLOYS

Binani Metal Works Ltd.—38, Strand Road, Calcutta 1.
 Eastern Metal & Alloy Corporation Ltd.—38A, Belgatchia Road, Calcutta.
 Indian Metals & Alloys Co. Ltd.—Hide Road, Kidderpore, Calcutta 23.
 Kamani Metal Refinery & Metal Industries.—B-3, Clive Buildings, 8, Netaji Subhas Road, Calcutta 1.
 Lillooh Steel & Wire Co. Ltd.—5-B, Mukhtaram Babu Street, Calcutta 7.



STANDARD METAL

PROPS. B. C. GUIN & CO. LTD.

HARDWARE AND MILL STORES

101, NETAJI SUBHAS ROAD, CALCUTTA-1

METAL POLISH

Hutchison, J. & R. Ltd.—10, Clive Row, Calcutta 1.
 Lily Chemical Works. Ultadanga, Calcutta.

METAL SMELTERS & REFINERS

Ashok Metal Industries —157, Netaji Subhas Road, Calcutta 1.
 Associated Metal Industries of India Ltd.—16, Mangoe Lane, Calcutta 1.
 Bengal Ingot Co. Ltd. — 5, Hide Road, Kidderpore, Calcutta 23.
 Bengal Wire Nails Co. Ltd.—37, Cross Street, Calcutta 7.
 Binani Metal Works Ltd.—38, Strand Road, Calcutta 1.

MOULDERS & BRASS FOUNDERS

Billias Engineering Co.—137, Canning Street, Calcutta 1.
 India Machinery Co. Ltd.—29, Strand Road, Calcutta 1.
 Kapoor, K., L. & Co.—90, Central Avenue (South), Calcutta 12.

OFFICE SUPPLIES & EQUIPMENT MANUFACTURERS

Bharat Carbon & Ribbon Mfg. Co. Ltd.—543, Basanta Lal Saha Road, P. O. Tollygunge, Calcutta 33.
 Oriental Sealing Wax Co.—31, Stephen House, Dalhousie Square, Calcutta 1.
 Sulekha Works Ltd.—Jadavpur, Calcutta 32.

OIL MILLS

Banga Luxmi Oil Mills.—11, Clive Row, Calcutta 1.
 Banshidhar Baijnath Oil Mills.—32-4, Sahitya Parishad Street, Calcutta 6.
 Basak Oil Mills.—44-1, Beadon Row, Calcutta 6.
 Bhagat Oil Mills.—32-4, Sahitya Parishad Street, Calcutta 6.
 Bharat Oil Mill.—243, Upper Circular Road, Calcutta 6.

ORCHARDS & NURSERIES

Alexander Nursery.—57-1, Durga Charan Mitter Street, Calcutta 6.
 Bhur Nursery.—57-1C, Durga Charan Mitter Street, Calcutta 6.
 Blaswas Nursery.—29, Blaswas Nursery Lane, Bellaghatta, Calcutta 10.
 Bolo Nursery.—7, Sristdhar Dutt Lane, P. O. Beadon Street, Calcutta 6.
 Calcutta Seed House.—1B, College Row, Calcutta 9.

OXIDE OF LEAD MANUFACTURERS

Indian Lead Products Ltd.—14, Netaji Subhas Road, Calcutta 1.
 Indian Red Lead Factory Ltd.—14, Netaji Subhas Road, Calcutta 1.

OXYGEN & ACETYLENE GAS MANUFACTURERS

Asiatic Oxygen & Acetylene Co. Ltd.—8, Dalhousie Square, East, Calcutta 1.
 Indian Oxygen & Acetylene Co. Ltd.—48-1, Diamond Harbour Road, Calcutta 27.

PAPER BOARD MILLS

Himalay Paper & Board Mills.—“Canning House”, 137, Canning Street, Calcutta 1.
 Mahabir Paper & Board Industries.—3, Canal Road, Tollygunj, Calcutta.
 United Board & Paper Mills Ltd.—100, Netaji Subhas Road, Calcutta 1.

PAPER MILLS

Aryan Paper Mills Ltd.—12, Chowringhee Square, Calcutta 1.
 Bengal Paper Mills Co. Ltd.—21, Netaji Subhas Road, Calcutta 1.
 Calcutta Paper Mills Ltd.—61, Cross Street, Calcutta 7.
 India Paper Pulp Co. Ltd.—8, Clive Row, Calcutta 1.
 Titagur Paper Mills Co. Ltd.—Chartered Bank Buildings, Calcutta 1.

PEN & PENCIL FACTORIES

Bharati Works.—2, Cornwallia Street, Calcutta 6.
 India Pen & Allied Industries Ltd.—86/2, Bahir Surah Road, Bellaghatta, Calcutta 10.
 Indian Small Industries.—14, Jamini Kaviaraj Row, Calcutta 4.

PIPES & TUBES MANUFACTURERS

Indian Conduit Pipes Ltd.—Stephen House, Dalhousie Square, Calcutta 1.
 National Pipes & Tubes Co. Ltd.—67-74, Stephen House, 4, Dalhousie Square, East, Calcutta 1.

PLASTIC PRODUCTS MANUFACTURERS

Davco Products Ltd.—P31, Mission Row Extension, Calcutta 1.
 Hindusthan Industrial Syndicate.—2, Rash Behari Avenue, Calcutta 26.
 Kiron Products Ltd.—15-G, Fern Road, Calcutta 19.
 Pioneer Plastic Works Ltd.—46, Strand Road, 3rd Floor, Calcutta 1.
 Plastics Moulders.—38, Strand Road, Calcutta 1.

PLYWOOD MANUFACTURERS

Bengal Best Plywood Works.—19, Strand Road, Calcutta 1.
 Bengal Bobbin & Plywood Co. Ltd.—44-46, Canning Street, Calcutta 1.
 Bengal Plywood.—5-H-7, Canal East Road, Calcutta 4.
 Bengal Plywood Manufacturing Co.—1, Commercial Buildings, Calcutta 1.
 Bengal Saw Mill & Plywood Co.—3A, Dr. Jagabandhu Lane, Bowbazar, Calcutta 12.

POTTERIES, BRICK & TILE WORKS

A. B. C. Floors.—13, Dalhousie Square, Calcutta 1.
 Art Tiles & Concrete Works (India) Ltd.—11, Gobra Goristhan Lane, Entally, Calcutta 14.
 Bengal Porcelain Co. Ltd.—3, Moti Sil Street, Calcutta 13.
 Bengal Potteries Ltd.—45, Tangra Road, Calcutta 15.
 Bharat Fire Bricks & Pottery Works Ltd.—33, Canning Street, Calcutta 1.

PUMP MANUFACTURERS

Alihussain, A. T. & Co.—29, Strand Road, Calcutta 1.
 Allied Iron & Steel Co.—12, Dalhousie Square, East, Calcutta 1.
 B. G. H. & Co.—18, Raja Woodmunt Street, Calcutta 1.
 Darling Pump Manufacturing Co.—58, Netaji Subhas Road, Calcutta 1.
 Hindusthan Plumbers & Traders Ltd.—34, Strand Road, Calcutta 1.

RADIO MANUFACTURERS, DEALERS AND PART SUPPLIERS

UNIVERSAL RADIO CO.—3/2, Madan Street, Calcutta 13.

REFRACTORY MATERIAL MANUFACTURERS

Associated Mining Industries Ltd.—4, Lyons Range, Calcutta 1.
 Balsukh Ceramics Ltd.—7, Swallow Lane, Calcutta 1.
 Burn & Co. Ltd.—12, Mission Row, Calcutta 1.
 Hindusthan Potteries.—12, Shib Krisno Daw Lane, Calcutta 7.

RICE MILLS

Mahabir Rice Mill.—New Basti, P. O. Tollygunge, Calcutta.
 Usha Rice Mill Co.—32, Tollygunge Circular Road, Tollygunge, Calcutta.
 Victoria Rice Mills Co.—10C, Rajendra Deb Road, Calcutta 7.

ROLLING MILLS

Bengal Rolling Mills Ltd.—86B, Netaji Subhas Road, Calcutta 1.
 Bhartia Electric Steel Co. Ltd.—42, Shibtoila Street, Calcutta 7.
 Chailha Rolling Mills. P-21, Golf Club Road, Tollygunge, Calcutta 33.
 Hindusthan Iron & Steel Co.—8, Mukhtaram Road, Calcutta 7.
 India Rolling Mills Ltd.—Stephen House, 4, Dalhousie Square, East, Calcutta 1.

ROPERIES

Anadi Nath Manna.—62, Netaji Subhas Road, 2nd Floor, Calcutta 1.
 Bengal Mercantile Co.—7, Swallow Lane, Calcutta 1.
 Bengal Rope Mfg Co.—63A, Radha Bazar Street, Calcutta 1.
 Calcutta Rope Manufacturing Co. Ltd.—22, Raja Woodmunt Street, Calcutta 1.
 Chatra Cottage Industrial Works Ltd.—12, Umakanto Sen Lane, Cossipore, Calcutta 2.

RUBBER GOODS MANUFACTURERS

Assam Bengal Rubber Works Ltd. 11, New Tangra Road, Calcutta 15.
 Central Rubber Works Ltd.—20B, Tangra Road, Calcutta 15.
 Dunlop Rubber Co. (India) Ltd. “Dunlop House”, 57B, Free School Street, Calcutta 16.
 East India Rubber Works Ltd.—161, Chittaranjan Avenue, Calcutta 7.
 Goodyear Tyre & Rubber Co. of India Ltd.—60, Chowringhee, Calcutta 20.

SAW MILLS & TIMBER MERCHANTS

Bengal Saw Mill & Plywood Co.—3A, Dr. Jagabandhu Lane, Bowbazar, Calcutta 12.
 Bhagwandas Bagla Raj Bahadur.—67-22, Strand Road, Calcutta 7.
 Commercial Timbers.—44-46, Canning Street, Calcutta 1.
 Dear H. & Co. Ltd.—Clive Buildings, Netaji Subhas Road, Calcutta 1.
 East India Timber Co.—9, Netaji Subhas Road, Calcutta 1.

SCIENTIFIC AND SURGICAL APPARATUS AND INSTRUMENTS MANUFACTURERS

Alcock, W. J. & Co.—7, Hastings Street, Calcutta 1.
 Allied Glass Industries.—33, Fakir Chakrabarty Lane, Calcutta 6.
 Artico.—5, Dalhousie Square, East, Calcutta 1.
 Ashly & Co.—28, Strand Road, Calcutta 1.
 Basnall & Co. (India) Ltd.—56D, Beadon Street, Calcutta 6.
SCIENTIFIC GLASS APPARATUS CO.—5-A, Prosonnokumar Tagore Street, Calcutta 6. Makers of Scientific and Medical Apparatus ; Govt. and Railway Contractors.

SEWING MACHINE MANUFACTURERS

Hind Sewing Machines Ltd.—14, Sircar Lane, Calcutta 7.
 Joy Engineering Works Ltd.—183A, Prince Anwar Shah Road, Calcutta 31.
 Mullick, K. C. & Sons Ltd.—77-13, Dharamtala Street, Calcutta 13.
 Tara Sewing Machine Manufacturing Co. Ltd.—31, Halderpara Lane, Howrah.

SHIPBUILDERS AND REPAIRERS

East Bengal Engineering Works.—2, Rustomjee Parsae Road, Cossipore, Calcutta 2.
 Hernan, B. B. & Mohatta (India) Ltd.—19, British Indian Street, Calcutta 1.
 I. O. N. & Bly. Co.'s Dockyard.—44, Garden Reach, Calcutta 24.
 Shalimar Works.—6, Lyons Range, Calcutta 1.

SILICATE OF SODA MANUFACTURERS

Calcutta Mineral Supply Co. Ltd.—31, Jackson Lane, Calcutta 1.
 Raj Silicate & Chemical Co. Ltd.—26, Burtolla Street, Calcutta 7.
 Shewbuxrai Rameshwariall.—26, Burtolla Street, Calcutta 7.

SILK FILATURES AND MILLS

Aryan Silk & Cotton Mills Ltd.—12, Chowringhee Square, Calcutta 1.
 Bengal Silk Mills Co. Ltd.—3, Amratolla Lane, Calcutta 1.
 Calcutta Silk Manufacturing Co. Ltd.—37, Vivekananda Road, Calcutta 7.
 Calcutta Silk Mills.—5, Narain Babu Lane, Calcutta 7.
 India Silk & Textiles Ltd.—3 & 4, Hare Street, Calcutta 1.

SMALL TOOLS

Asiatic Manufacturing Co.—84A, Netaji Subhas Road, Calcutta 1.
 Basmail & Co. (India) Ltd.—56D, Beadon Street, Calcutta 6.
 Bengal Iron & Steel Works.—8, Canning Street, Calcutta 1.
 Buher & Co.—6 & 7, Netaji Subhas Road, Calcutta 1.
 Diamond Metal Products Co.—22, Raja Woodmunt Street, Calcutta 1.

SOAP FACTORIES

Bagmari Soap Factory.—27, Bagmari Lane, Calcutta 11.
 Banga Luxmi Soap Works Ltd.—11, Clive Row, Calcutta 1.
 Behar & Orissa Soap Factory.—28, Raja Brojendra Street, Calcutta 7.
 Bengal Soap Factory Ltd.—NO. 11, Paikpara Road, P. O. Cossipore, Calcutta 2.
 Chemical House (India) Ltd.—P. O. Dhakural, Calcutta.

SPRING MANUFACTURERS

"A. C. A." Spring Mfg Co.—34, Dr. Jagobondhu Lane, Calcutta 12.
 All India Spring Manufacturing Co. (Regtd. Original Firm)—135, Netaji Subhas Road, Calcutta 1.
 All India Spring Mfg Co.—22, Strand Road, Calcutta 1.
 Army Engineering Corporation.—42, Strand Road, Calcutta 7.
 British India Spring & Steel Co.—67B, Netaji Subhas Road, Calcutta 1.

STEEL FURNITURE MANUFACTURE

Acme Manufacturing Co.—8-1, Esplanade, East, Calcutta 1.
 Bengal Iron Safe & Lock Works.—120, Sovabazar Street, Calcutta 5.
 Bombay Safe & Steel Works.—39, Netaji Subhas Road, Calcutta 1.
 Bungo Steel Furniture Ltd.—57, Diamond Harbour Road, Kidderpore, Calcutta 23.
 East India Steel Works Ltd.—24, Netaji Subhas Road, Calcutta 1.

TANNERIES AND LEATHER GOODS MANUFACTORIES

Basak, P. & Co.—9, Chhidam Mody Lane, Calcutta 6.
 Basak Setti & Co.—P18, Durga Charan Mitter Street, Calcutta 6.
 Bata Shoe Co. Ltd.—30, Theatre Road, Calcutta 16.
 Brand, S. B. & Co.—80, Pathuriaghata Street, Calcutta 6.
 Calcutta Tanneries (1944) Ltd.—14, Netaji Subhas Road, Calcutta 1.

TAR PRODUCTS MANUFACTURERS

Mumtaz, H. & Co.—1, Colootola Street, Calcutta 1.
 Shalimar Tar Products (1935) Ltd.—6, Lyons Range, Calcutta 1.

TEA**ORPHAN TEA CO.**

18, Raja Woodmunt Street,
 CALCUTTA 1, (INDIA)

Grams: "ORPHANCHA"

Phone: Bank 2990

EXPORTERS AND
 COMMISSION AGENTS

TIN CANISTER MANUFACTURERS AND TIN PRINTERS

Associated Metal Industries of India Ltd.—16, Mangoe Lane, Calcutta 1.
 Bengal Tin Box Mfg Co Ltd.—1, Jadunath Mitter Lane, Calcutta 4.
 Calcutta Tin Factory.—14-2, Nirode Behary Mallick Road, Calcutta 6.
 Dhur Tin Factory, 101, Aukhoy Mukherjee Road, P. O. Barnagore, Calcutta.
 Ganga Tin Factory.—5, Raja Rajkissen Street, Calcutta 6.

TOBACCO FACTORIES

Abinash Chunder Dutt & Co.—39, Nimtolla Ghat Street, Calcutta 6.
 Bengal Tobacco Manufactory.—282, Upper Chitpore Road, Calcutta 5.
 National Tobacco Co of India Ltd.—Norton Buildings, 1 & 2, Old Court House Corner, Calcutta 1.

TOY MANUFACTURERS

Bengal Toy Industries.—22, Canning Street, Calcutta 1.
 Daveo Products Ltd.—P31, Mission Row Extension, Calcutta 1.
 Dey, G. C. & Co.—4, Raja Radha Kanta Deb Lane, Calcutta 5.
 Ideal Toys & Aircraft Co.—54A, Paikpara Row, Calcutta 37.

VEGETABLE PRODUCTS MANUFACTURERS

Hindusthan Development Corporation Ltd.—4, Chittaranjan Avenue, Calcutta 13.
 Hindusthan Vegetable Products Ltd.—47, Zakariah Street, Calcutta 7.
 Kusum Products Ltd.—23 24, Radha Bazar Street, Calcutta 1.
 Nisir Oil Industries Ltd.—242-2, Upper Circular Road, Calcutta 4.
 Snow White Food Product Co. Ltd.—18, Netaji Subhas Road, Calcutta 1.

VICE MANUFACTURERS

India Machinery Co. Ltd.—29, Strand Road, Calcutta 1.
 Indian Supercraft Industries.—21A, Canning Street, Calcutta 1.
 International Mechanical & Electrical Works. 5, Braunfield Row, Alipore, Calcutta 27.
 Leslie, W. & Co.—B3, Clive Buildings, Netaji Subhas Road, Calcutta 1.

WATERPROOFING AND DYEING WORKS

Bengal Fast Colour Dye Works.—59, Cross Street, Barabazar, Calcutta 7.
 Bengal Waterproof Works (1940) Ltd.—32, Theatre Road, Calcutta 16.
 Hindusthan Rubber Works Ltd.—243-1, Kasba Road, Calcutta 31.
 India Waterproofing & Dyeing Works.—60-2, Dharamtala Street, Calcutta 13.
 Ras Behary Dey & Sons.—82, Old China Bazar Street, Calcutta 1.

WEIGHING MACHINE, WEIGHT AND SCALE MANUFACTURERS

Avery Co. Ltd.—"Avery House," Waterloo Street, Calcutta 1.
 Barnagore Scale Manufacturing Co.—21, Bhoia Nath Street, Barnagore, Calcutta 36.
 Bhupendranath Das Brothers.—84A, Netaji Subhas Road, Calcutta 1.
 Dhara, M. C. Engineering Works.—38, Kamarpara Lane, Barnagore, Calcutta 36.
 Girish Chandra Ghosh (Estd. 1874).—58, Netaji Subhas Road, Barabazar, Calcutta 7.

FORMER PRINCELY STATES

THE integration of what used to be called Princely India with the larger India was completed in 1950.

When the process of merger was complete the position of the former 562 Princely States was as follows: 216 states with an area of 108,739 sq. miles and a population of 19,158,000 were merged with the Governors' States. Sixty-one States with an area of 70,769 sq. miles and a population of 7,305,000 were converted into Centrally administered Chief Commissioners' States. And 275 States with an area of 217,358 sq. miles and a population of 40,156,000 were merged into States Unions under Rajpramukhs.

The number of Centrally administered units formed out of the old Princely States was 7: Himachal Pradesh, Kutch, Bilaspur, Bhopal, Tripura, Manipur, and Vindhya Pradesh.

The number of States Unions formed out of the old Princely States was 5: Saurashtra, Rajasthan, Madhya Bharat, Patiala and East Punjab States Union, and Travancore-Cochin.

The total area affected in all was 387,893 sq. miles and the population 60,783,000.

There were only three former States which retained their old frontiers: Hyderabad, Jammu and Kashmir and Mysore.

Today the position is the same with two exceptions: 1. Ten of the States which at first merged into Vindhya Pradesh were later merged with Uttar Pradesh. 2. Out of the seven Centrally administered areas three obtained legislatures with a partially responsible Ministry in 1952. These three were: Bhopal, Himachal Pradesh and Vindhya Pradesh. Himachal Pradesh and Vindhya Pradesh have Lieutenant-Governors.

PROPERTY AND PRIVILEGES

Every Covenant between a Ruler and the Government of India contains a clause fixing the Rulers' privy purse which is calculated to cover the expenses of the Rulers and their families including such expenses as those on residence, marriage, ceremonies, etc.

The privy purse is guaranteed by Article 291 of the Constitution, the money being a charge on the Consolidated Fund of India, subsequently to be recovered wholly or partly from the States Governments.

The basis of calculation is the revenue of the State. For the first lakh the Ruler is allowed 15 per cent, for the next four he is allowed 10 per cent, above 5 lakhs 7½ per cent, the maximum being 10 lakhs. This maximum is exceeded only in the case of the Rulers of some of the major States recognized as viable, and even here it is agreed that the amount is to be paid only during the life-time of the present Ruler.

The total annual privy purse commitments amount to 5.8 crores at the present time. When the amounts guaranteed to certain rulers during their life-time are refixed the total annual expenditure on this account would be reduced to 4 crores. Then there are the savings resulting from fixing the privy purses which will, it is calculated, amount to about two crores exclusive of the savings in Vindhya Pradesh, Patiala and East Punjab States Union, Baroda and Kolhapur.

Here, for instance, is a list of the annual pensions which are to be paid to some of the Rulers of the former States during their life-time only: Jaipur, Rs. 18,00,000; Jodhpur Rs. 17,50,000; Hikaner, Rs. 17,00,000; Patiala, Rs. 17,00,000; Baroda, Rs. 26,50,000; Travancore, Rs. 18,00,000; Indore, Rs. 15,00,000; Hyderabad, Rs. 50,00,000; Mysore, Rs. 26,00,000; Gwalior, Rs. 25,00,000; Bhopal, Rs. 11,00,000.

Here is a list of other Princes with privy purses amounting to Rs. 10 lakhs and over.

Kolhapur: 10,00,000; Mewar: 10,00,000; Nawanshar: 10,00,000; Bhavnagar: 10,00,000; Rewa: 10,00,000.

The question of private property was settled by the States Ministry on an *ad hoc* basis, mainly through discussion between the repre-

sentatives of the Ministry, the Rulers concerned, and the representatives of the Governments of the States or Provinces. No uniform system was followed in settling the question. The criterion applied was that if a building, for instance, was used exclusively by the Ruler or his family, it was considered to be his private property and if it was used for public purposes, it automatically became the property of the State.

The main features of the settlement are: The Ruler is entitled to retain the palace in which he lives. He can also have one more residential building only, either at a sea-side resort or at a hill station. All buildings in excess of these are to be made over to the State.

In no case is the Ruler allowed to retain any land except where there is positive proof that the land is his ancestral property. Even here, he is subject to the tenancy laws of his State and has to pay taxes like any other landowner. Generally no forest areas have been given to Rulers; though limited rights of grazing and obtaining fuel have been recognized in some cases. Shooting rights are conceded in well-defined areas subject to the laws in force in the place. The principle involved in agricultural land is that the Ruler is not entitled to any income besides the privy purse. In fact, wherever proprietary right over land is recognized it is done mainly on the ground that many ex-rulers have the time and the resources to undertake modern and mechanical methods of farming. The States Ministry has however restored to the States administrations thousands of acres of such land and in the case of one Ruler, 154 big villages have been taken away and handed over to the State.

The States Ministry declined to recognize the grant of lands made by Rulers to their relatives or others on the eve of integration or merger of their States. In cases where such assignments were made long before the integration, the property becomes subject to land assessment and tenancy laws of the Union or of the province.

Several Rulers are stated to have parted with their money and investments without demur. For example, the Maharaja of Gwalior made over to his Government Bombay Improvement Trust scrips bearing an annual interest of about Rs. 50 lakhs. Similarly, the Gangajali (reserve fund) of Rs. 1,62,37,000 was also given to the State. The Maharaja of Baroda agreed to create a trust with a corpus of Rs. 2 crores the income from which was to be available for works of public utility in the territory of the former Baroda State, and the advancement of education.

Jewellery—priceless sapphires, emeralds, diamonds and pearls were all divided into two categories. Those actually used by the Ruler himself and those used as regalia at State functions. A list was then made of the jewels falling into the latter category, and though the Ruler could keep this jewellery in his custody the Union Government or the Provincial Government, as the case may be, were given the right of inspection and check up.

The Rulers had a civil list reserve funds intended to relieve the State of the expenditure in connection with marriages, etc. This was allowed to be retained by the Rulers.

Temples and properties attached to them are constituted into trusts. Temples situated within the palaces were classed as personal property.

Half the number of cars of Rulers, some of whom maintained fleets of 50 and more, were assigned to the State and are now being used by Ministers and other State officials.

Some Rulers were generous enough to make over to the State larger slices of property than they were obliged to do under the terms of the agreement. The Maharaja of Travancore for instance granted to the State property to the extent of as much as 20,000 acres.

There are some 35 palaces and houses belonging to Rulers in Old and New Delhi about which no decision was taken. Some of the States

administrations claim them as State property while the Rulers challenge the claim.

The States Ministry arranged for the payment of pensions "in deserving cases," which include the aged mothers of certain Rulers, widowed sisters and other near relatives having no personal property.

The final result of the award is that most of the Rulers have been left with one-fourth of what they considered as their private property, the rest going to their Government.

When the administration was taken over the new Governments inherited cash balances and investments of the value of nearly Rs. 70 crores. During the settlement of the private properties the Rulers gave up their claims to approximately another 4.5 crores. Other property given up includes palaces, buildings, stables, garages, shops and aeroplanes.

There is a clause in every Agreement which says that all the rights and dignities (enjoyed till then by the Princes) would continue under the new constitution. These Agreements are excluded from the jurisdiction of law courts by Article 368, while Article 362 requires every legislative or executive authority to give due regard to the clauses of the Agreement in the exercise of its functions. Some of these rights have already been outlined. Others may be mentioned here. The Princes are guaranteed succession according to law and custom. Then there are minor rights and dignities which vary from State to State and are exercisable both inside and outside the State. No exhaustive list has ever been drawn up of such privileges and dignities, though some like the use of red plates on cars, immunity from civil and criminal jurisdiction and exemption from customs duties are well known.

GENERAL ELECTIONS

Elections were held in Princely India on the same basis of adult franchise as in the former British Indian provinces.

The Congress emerged as the largest single party in all Princely States except two. It did not succeed in obtaining an adequate majority in PEPSU and Travancore-Cochin Unions with the result that ministerial stability in these two Part 'B' States could not be guaranteed.

The Congress and other political parties faced bitter opposition from Princes or the candidates belonging to royal families. Actually, the Congress suffered serious reverses in Rajasthan at the hands of Princes and other royal candidates. The late Maharaja of Jodhpur provided the spearhead of electoral opposition and the present Chief Minister of Rajasthan, Mr. Jai Narain Vyas, was defeated by the Maharaja in person in two constituencies.

This provoked political agitation on the part of Congressmen and other candidates who alleged that the Princes had exploited their power, prestige and position for political advantage at the polls. It was even alleged that some of them had won elections by means of a campaign of terrorism against the voters.

Princely participation in the elections led to a more serious complication in Saurashtra. The Congress was returned with an overwhelming majority but after the elections the Congress Ministry had to carry out vigorous investigations into the manner in which some members belonging to royal families had supported Congress opponents.

It was alleged that these Princes had helped and supported notorious dacoits of the State in launching a campaign of terrorism against the voters in a desperate effort to dislodge the Congress Ministry and take power. Among the Princes and members of royal families who were arrested in this connection were Prince Nirmal Kumar Singhji of Bhavnagar, Prince Fatehsinhji of Limbdi, a Girasdar leader, Prince Kalika Prashad, younger brother of Maharaja of Morvi, Thakur Chandrasinhji of Dhrol, a member of the Saurashtra State Assembly and Mr. Harisinh Gohel, former president of Rajkot Municipality and Secretary of Girasdar Association.

* Died in aircrash. The present ruler gets Rs. 10 lakhs.

In PEPSU also the Congress and other parties faced considerable opposition from princely candidates, prominent among them being the Nawab of Malerkotla but the Congress concern in this States Union was due to the fact that the Akali Dal and other opposition parties had reduced its chances of securing an absolute majority.

Despite this, the Congress in PEPSU did better than was predicted and managed to form

a Ministry with the support of a few independents who came forward to support the Congress.

If in PEPSU the right wing parties had snatched away a good number of seats from the Congress, in Travancore-Cochin Union it was the left wing parties that registered an unexpectedly large number of successes. The Congress itself was a divided house in Travancore-Cochin but it managed to emerge from the

elections as the largest single party. With the support of a few independents the Congress formed a Ministry though its tenure of office was very precarious.

In the second general elections in PEPSU and Travancore-Cochin the Congress did well in the former and took office, while in the latter it was defeated though it emerged as the largest single group.

STATEMENT SHOWING AREA AND POPULATION OF PRINCELY STATES THAT MERGED WITH UNION STATES

Date of merger	Names of Princely States	No. of States	Union State with which merged	Area in sq. miles	Population in lakhs	Average pre-merger Revenue in lakhs
Jan. 1, 1948 ..	Athgarh, Athmalik, Bamra, Baramba, Baudh, Bonal, Daspalla, Dhenkanal, Gangpur, Hindol, Kalahandi, Keonjhar, Khandpara, Narsingpur, Nayagarh, Nilgiri, Pal Lahara, Patna, Rairakhol, Rampur, Sonapur, Talchar, Tigiria ..	23	Orissa ..	23,637	40.48	98.74
Jan. 1, " ..	Bastar, Changubhakar, Chhulkhadan, Jashpur, Kankar, Kardha, Khairagarh, Kores, Nandgaon, Raigarh, Sakti, Sarangarh, Surguja, Udaipur ..	14	Madhya Pradesh ..	31,598	28.20	88.06
Feb. 1, " ..	Makrai ..	1	Ditto ..	151	.14	.25
Feb. 23, " ..	Loharu ..	1	Punjab ..	226	.28	1.94
Feb. 23, " ..	Banganapalle ..	1	Madras* ..	259	.45	3.25
Mar. 8, " ..	Pudukkottai ..	1	Madras ..	1,185	4.38	27.58
Mar. 8, " ..	Dujana ..	1	Punjab ..	91	.31	4.16
Mar. 8, " ..	Akalkot, Aundh, Bhor, Jamkhandi, Jath, Kurundwad (Junior), Kurundwad (Senior), Mudhol, Ramdurg, Sanzli, Janjira, Phaltan, Savanur, Savantwadi, Wadi Jagir, Miraj (Junior), Miraj (Senior) ..	17	Bombay ..	7,651	16.93	142.15
April 7, " ..	Pataudi ..	1	Punjab ..	53	.22	4.28
May 18, " ..	Seraikella, Kharawan ..	2	Bihar ..	623	2.05	6.46
June 10, " ..	The 17 full jurisdictional Gujarat States of Balasinor, Banada, Baria, Cambay, Ohhota Udaipur, Dharampur, Jawhar, Lunawada, Rajpipla, Sachin, Sant, Idar, Radhanpur, Vijayanagar, Palanpur, Jambhugodha, Surgana and non-jurisdictional thanas, estates and talukas of Gujarat ..	144	Bombay ..	17,680	26.24	165.00
Nov. 6, " ..	Danta ..	1	Ditto ..	347	.31	—
Jan. 1, 1949 ..	Mayurbhanj ..	1	Orissa ..	4,034	9.91	46.87
Jan. 6, " ..	Sirohi † ..	1	Bombay ..	1,994	2.39	—
Mar. 1, " ..	Kolhapur ..	1	" ..	3,219	10.92	128
April 1, " ..	Sandur ..	1	Madras ..	158	.16	—
May 1, " ..	Baroda ..	1	Bombay ..	8,236	28.55	700
Aug. 1, " ..	Tehri-Garhiwal ..	1	U.P. ..	4,516	3.97	—
Oct. 15, " ..	Banares ..	1	Ditto ..	866	4.51	—
Dec. 1, " ..	Rampur ..	1	Ditto ..	894	4.77	—
Jan. 1, 1950 ..	Cooch Behar ..	1	W. Bengal ..	1,321	6.41	—
	Total ..	216		108,739	191.58	—

† Partitioned between Bombay and Rajasthan.

* Now Andhra.

AREA AND POPULATION OF PRINCELY STATES WHICH WERE FORMED INTO CENTRALLY ADMINISTERED AREAS*

Date of merger	Names of Princely States	No. of States	Name of Area	Land Area in sq. miles	Population in lakhs
April 15, 1948 ..	The Punjab Hill States of Baghal, Baghat, Balsan, Bashahr, Bhajji, Bija, Darkoti, Dhami, Jubbal, Keonthal, Kumarhain, Kunihar, Kuthar, Mahlog, Sangri, Mangal, Sirmur, Tharoch, Chamba, Mandi and Suket ..	21	Himachal Pradesh	10,451	9.83
June 1, " ..	Kutch ..	1	Kutch ..	16,724	5.68
Oct. 12, " ..	Bilaspur ..	1	Bilaspur ..	453	1.26
June 1, 1949 ..	Bhopal ..	1	Bhopal ..	6,878	8.36
Oct. 15, " ..	Tripura ..	1	Tripura ..	4,032	6.39
Oct. 15, " ..	Manipur ..	1	Manipur ..	8,628	5.78
Apr. 4, 1948 ..	Ajalgarh, Baoni, Baraundh, Baijwar, Chhatarpur, Charkhari, Datia, Malhar, Nagod, Orchha, Panna, Rewa, Samthar, Alipura, Banka, Pahari, Bori, Bhaisaundha, Bihat, Bijna, Dhurwal, Gaurihar, Garrauli, Jaso, Jigni, Kanta-Rajaula, Khandadhana, Kothi, Lugasi, Naigawan-Rebal, Pahara, Paldeo (Nayagaom), Sarila, Sohawal, Taraon and Tori-Fatehpur†	35†	The United State of Vindhya Pradesh ..	23,603	35.75
	Total ..	61		70,789	73.05

* After the general elections of 1952 Ministries were formed in the following States: Himachal Pradesh, Bhopal, Vindhya Pradesh. They cannot now be regarded as Centrally administered areas. Himachal Pradesh and Vindhya Pradesh have Lieutenant-Governors.

† Ten of these were later merged with U.P.

AREA AND POPULATION OF PRINCELY STATES WHICH WERE FORMED INTO UNIONS

Date of merger	Names of Princely States	No of States	Name of Union	Land Area in sq. miles	Population in lakhs
April 15, 1948.	222 Units including the 31 jurisdictional States of Nawanagar, Bhavnagar, Porbandar, Dhrangadhra, Morvi, Gondal, Jafrabad, Rajkot, Wankaner, Palitana, Dhrol, Chuda, Limbdi, Vadhwani, Lakhtar, Sayla, Vala, Jasdan, Amarnagar (Thana Devi), Vadia, Lathi, Muli, Bajana, Virpur, Maliya, Kotla-Sangani, Jetpur, Bikhra, Patdi, Junagadh and Khiraara	222	Saurashtra ..	21,451	41 37
June 16, ..	Allrajpur, Barwani, Dewas (Senior), Dewas (Junior), Dhar, Gwalior, Indore, Jaora, Jhabua, Khilchipur, Narsingarh, Rajgarh, Ratlam, Saliana, Sitamau, Jobat, Kathiawara, Kurwal, Mathwar, Piploa, Muhammadgarh, Pathari, and the Bhumi estates of Nimkhera, Jamnia, and Rajgarh	25	Gwalior-Indore-Malwa Union — Madhya Bharat .. .	46,478	79 54
July 15,	Patiala, Kapurthala, Malerkotla, Faridkot, Nabha, Jind, Nalagarh and Kalsia .. .	8	Patiala and East Punjab States Union	10,078	34 94
April 18*,	Jodhpur, Jaipur, Bikaner, Jaisalmer, Banswara, Bundi, Dungarpur, Jhalawar, Kishangarh, Kotah, Partabgarh, Shahpura, Tonk, Udaipur, Alwar, Bharatpur, Dholpur and Karauli	18	The United State of Rajasthan* .. .	130,207	152 91
July 1, 1949 ..	Travancore, Cochin	2	Travancore-Cochin Union .. .	9,144	92 80
	Total	275		217,358	401 56

* The original Rajasthan State was formed on April 18, 1948; Jodhpur, Jaipur, Bikaner and Jaisalmer joined it on April 7, 1949, the Matsya States of Alwar, Bharatpur, Dholpur and Karauli were integrated with it on May 15, 1949.

HYDERABAD STATE

Capital Hyderabad.

Districts - Aurangabad, Bhil, Parbhani, Nanded, Gulbarga, Raichur, Osmanabad, Bidar, Medak, Mahbubnagar, Nalgonda, Nizamabad, Hyderabad, Warangal, Karimnagar, Adilabad, Khammam

Hyderabad State, formerly known as the Nizam's Dominions, forms the eastern portion of the Deccan. The State lies between 15°10' and 20°40' N, and 74°40' and 81°35' E, covering an area of 82,168 square miles. The population according to the 1951 census is 18,655,108. The languages spoken are Telugu, Marathi, Kanarese, Hindi, Lambadi and Urdu.

About two thirds of the State consists of an extensive plateau with an elevation varying from 1,250 to 3,000 feet above sea-level. The remaining portion lies at a lower altitude reaching down to 350 feet above sea level.

The river system of the State consists of two great basins, that of the Godavary and the Krishna. The former with a length of more than 600 miles in the State has a number of tributaries, the chief of which are the Painsanga, the Wardha and the Parantha from the north, and the Manjira and the Maner from the south. The Krishna forms the boundary of a number of Districts in the State and also part of the southern frontier of the State. Among its tributaries the most important are the Bhima, the Musi on which the capital stands, and the Tungabhadra, which forms the southern boundary of the Raichur-Mudgal Doab. The State, specially the Telangana region, abounds in tanks and artificial lakes constructed mainly for the purpose of irrigation.

The State may be divided into two fairly definite regions, the western, generally called Marathwada and the eastern called Telangana, although the State contains some Kanarese speaking population as well. If a line were drawn from the confluence of the Tungabhadra and the Krishna in the south to the confluence of the Manjira and the Godavary in the north, and extended right up to the Hyderabad-Berar boundary, this would serve as a good demarcation of the two tracts. The two regions differ not only linguistically but also in their physical formation, for the Marathwada is covered by trappean rock, while the Telangana has granitic and calcareous formation. The western trap or black cotton soil region (which is continued northward in Berar) is the land of wheat and cotton, while the granitic Telangana is the land of rice and jowar. Moreover, the former is covered with luxuriant vegetation, cliffs, crags and undulating hills, while in the granite and limestone region the hills are bare of vegetation and the land is covered with huge fantastic tors and boulders. Also as the soil in the east is sandy, the rivers dry up in hot weather, necessitating the storage of water in tanks and artificial lakes for purposes of irrigation.

POLITICAL SET-UP

Since, H.E.H. the Nizam agreed to integrate Hyderabad State with the Indian Union the contemplated elections to form a constituent assembly were cancelled, and instead General Elections were held under the new Constitution of India. The new Legislative Assembly consists of 175 members including 31 members of Scheduled Castes and 2 of Scheduled Tribes. The State returns 25 members to the House of the People out of which 4 seats are reserved for Scheduled Castes. The elected members of the Legislative Assembly have returned 11 members to the Council of States.

Almost all the local bodies have been reorganised so as to be representative in character.

Besides the two Corporations of Hyderabad and Secunderabad, there are 26 Municipal Committees, 125 Town Committees and 16 District Boards functioning at present in the local administration of the State.

CIVIL DIVISIONS

For purposes of revenue administration the State is divided into 17 Districts and 138 Taluqs (including 9 Mahals, & 8 Sub-Taluqs).

Each District except Khammam is under a Collector assisted by a Revenue Assistant; and each subdivision consisting of two to four taluqs is placed in the charge of a Deputy Collector. Khammam is placed under an Additional Collector with the over-all supervision of the Collector, Warangal.

The names of the Districts, Taluqs and Mahals into which the State is divided are as follows —

Aurangabad District Aurangabad, Kannad, Vajapur, Gangapur, Bhokardan, Ambad, Patthan, Jalna, Jafferabad, Khuldabad and Billo.

Bhil District Momnabad, Manjgaon, Gevrai, Bhil, Ashti, Patoda and Kalji.

Parbhani District Parbhani angakhed, Pathri, Jintur, Hingoli, Basmat and Kalamnuri.

Nanded District Deglur, Kandhar, Billoi, Nanded, Hadgaon, Bhokar, Mukhed and Mudhole.

Gulbarga District Aland, Gulbarga, Chitapur, Afzalpur, Shahpur, Jeevargi, Tandur, Seram, Kodangal, Chincholi, Yadgir and Shorapur.

Raichur District Raichur, Gadwal, Alampur, Manvi, Deodrug, Lingsugur, Gangavati, Sindhnur, Koppal, Yelburga and Kushtagi.

Osmanabad District Latur, Tuljapur, Usmanabad, Kalam, Omerga, Owsa, Bhoom and Pandah.

Bidar District Homnabad, Udgir, Ahmedpur, Nilanga, Bidar, Zahirabad, Naryankhed, Sunitapur and Bhalki.

Medak District Medak, Siddipet, Sangareddi, Vikarabad, Narasapur, Gajwel and Andole.

Mahbubnagar District Mahbubnagar, Makhtal, Pargi, Shadnagar, Wanaparti, Kalwakurti, Atmakur, Nagarkurnool, Kolhapur and Achampet.

Nalgonda District Bhongir, Jangaon, Miriyalguda, Devarkonda, Rammannapet, Huzurnagar, Nelgonda and Suriyapet.

Nizamabad District Nizamabad, Kamareddi, Armur, Yellareddi, Bodhan and Banswada.

Hyderabad District Hyderabad West, Shahabad, Hyderabad East, Medchal and Ibrahimpatan.

Warangal District Warangal, Parkal, Mulug, Mahbubabad, Borgamphad, Yellandu, Paloncha, Khammam and Madhira.

Karimnagar District Jagtial, Sirsilla, Huzurabad, Parkhal, Metpalli, Mahadeopur, Karimnagar and Sultanabad.

Adilabad District Adilabad, Kinwat, Roath, Nirmal, Asifabad, Sirpur, Rajura, Chinnur, Laksettipet, Khanapur and Utnur.

The total population of the State as has already been stated is 18,655,108. There are over 22,000 villages. Hyderabad City, the capital, has, according to the last census in 1951, a population of 1,085,722 (includes Secunderabad), Warangal 133,130, Aurangabad 66,636, Gulbarga 77,180. Besides Telugu, Kanarese, Marathi and Urdu, which are the chief languages of the State there are languages so geographically apart as Tamil, Punjabi, Malayalam, Rajasthani, Gujarati and Bengali.

COMMUNICATIONS AND TRANSPORT

The City of Hyderabad is the railway communications centre. From here lines radiate east, south, west and north. The line which goes east passes through Warangal and joins the Madras Calcutta line at Bezwa. The line which goes south connects with the Madras-Bombay line at Guntakal. The western line links up with the Madras-Bombay line at Wadi. The northern line goes north-west rather than north and joins the main Bombay-Bhusaval line at Manmad. The total mileage open for traffic is 139,566. This Railway is now in the Central Railway system.

The Railway used to operate a Road Transport Service covering 5,116 miles, which has now been converted into an R.T. Corporation. This includes suburban and district services. A large fleet of buses is maintained for this purpose.

The State has 6,176 miles of road of which 5,368 miles are metalled. 746 miles murum road, 51 miles C.C. road and 10 miles tar road. In addition to the above, a further length of about 400 miles of other roads is under construction.

Hyderabad City is connected by air with Bombay, Nagpur, Madras and Bangalore. There are 2 major aerodromes in the State—Begumpet and Hakimpet aerodromes. There are also one intermediate aerodrome, 4 minor aerodromes and 2 landing strips.

Hyderabad City has an automatic telephone system with one main exchange and three satellite exchanges and with 1,798 connections in the City and in the suburbs.

Besides the above, there are Telephone Exchanges at Warangal, Janagan and Bhongir, connected to Hyderabad by long distance lines. There are also Telephone Exchanges at Raichur, Nanded, Nizamabad, Latur, Jalna and Aurangabad. These Exchanges have also been connected to All India Trunk to encourage business and thus enhance trade.

Thirty-eight Public Call Offices are working in Hyderabad, Aurangabad, Bhongir, Bidar, Bhil, Jangaon, Jalna, Kurnool, Kurnoolpet, Kurnool Chowk, Narayalguda, Raichur, Trimulgherry, Warangal, Secunderabad S.O., Kingway Post Office, Bolaram, Basar Post Office, Trimulgherry Post Office, Gulbarga, Jachheria, Khammameth, Nizamabad, Sillio, Nanded, Peddapalli, Parbhani, Nalgonda, Mahboobnagar, Baral, Gadwal, Shahabad, Latur, Karimnagar, Hingoli, Alland, Yadgir, Osmanabad and Sirpur. Kagas-nager. These stations put through Trunk Calls, all over India and foreign countries.

Eleven Radiophone Stations have been opened at Hyderabad, Munirabad, Aurangabad, Raichur, Kothagudam, Nizamabad, Nizam-sagar, Nanded, Osmanabad, Bidar and Adilabad. These stations put through Trunk Calls, in addition to accepting messages from the public where there are no telegraph offices.

Seventy-seven Combined Offices have also been opened in Hyderabad to facilitate the receiving and sending of telegrams to all places. Besides this a Phonogram system has also been introduced in the State which enables telephone subscribers to send and receive their messages over their telephones.

The telephone system was taken over by the Indian Posts and Telegraphs Department on April 1, 1950.

There are two radio broadcasting stations, one at Hyderabad and the other at Aurangabad, the latter being a regional station. Both these are now controlled by A.I.R.

MINERAL RESOURCES

Hyderabad has long been known for gold, diamond and iron mines; the Konasamudram steel known as Indian "wootz" was used in the manufacture of the world famous Damascus swords.

At present, coal is mined at Kothagudum, Tandur, Sati and Yellandu and the output from all the coalfields in 1952 was 14,34,194 tons.

Gold was being mined at Huttli in Raichur District and the Huttli (Nizam's) Gold Mines Ltd., which had a successful career for nearly 20 years, closed down its operation in 1920 after the first world war. Gold mining has been revived at Huttli and a new company, the Hyderabad Gold Mines Ltd., was formed to work the mines. Production started in October 1948, and output of gold in 1952 was 9,291.53 fine ounces.

The world famous Golconda diamonds were mined along the Krishna valley, particularly round about Partial in Warangal District. In the nineties of the last century, the Hyderabad Deccan Co. worked the Partial mines and collected about 3,444 stones weighing 2,085 carats. Since then there has been no serious effort to prospect or mine for diamonds.

The iron ores of Hyderabad are mostly siliceous low grade ores, and are abundantly found in Adilabad, Karimnagar, Warangal and Raichur Districts. The quantity of iron ores available in these localities is estimated at about 40 million tons, ranging upto 40 per cent iron; the richer ores do not occur in large quantities anywhere. The Hyderabad coals are non-coking and the exploitation of the iron ores has to wait modern developments in the technique of iron smelting.

There are abundant ceramic raw materials like Kaoline, white and refractory clays, felspar and quartz suitable for the manufacture of pipes, pottery, porcelain, sanitary ware, refractory bricks as well as glass. The clay deposits of Adilabad and Bidar Districts supply raw material for local consumption. About 1,957 tons of white clay were quarried in 1952.

The Muscovite (ruby) mica deposits of Kallur, and graphite mines in Paloncha in Warangal District, produce marketable quantities of the materials. Abrasive materials like corundum, garnet, staurolite and other valuable minerals like zircon, kyanite and andalusite are found in parts of Warangal District. About 1,000 lb. of mica was produced in 1950.

Stray deposits of chromite occur in Madira taluq while old workings for copper have been noted in Raichur, Gulbarga, Warangal and Nalgonda Districts. Extensive old workings also occur near Yellambailu not far from Kothagudum collieries. Iron pyrites, a source for sulphur in sulphuric acid manufacture, is found as thin layers and lenses in the coal seams at Tandur and Kothagudum but only about 30 to 40 tons of the mineral can be collected in a month from both the collieries.

Soapstone or steatite deposits in Karimnagar District are worked by Sirpur Paper Mills which quarried 205 tons of the material in 1952, for use in their factory. Coloured clays, ochres, lithomarge and bole suitable for paints and distempers are found in commercial quantities in various parts of the State. During 1950, 39 tons of red ochre was extracted.

The building stones of Hyderabad are perhaps one of the most important and useful mineral assets of the State. The hard, durable and varied coloured granites yield unlimited supplies of excellent building material for heavy construction and decorative work. They take a smooth and fine polish. The lime stone deposits supply large quantities of flag stones for flooring and roofing and also for construction purposes. These limestones are available in different colours, take a fine polish and provide excellent material for flooring and design work. The Government controlled limestone quarries produced about 2,00,438 tons of flagstones and 45,764 tons of building stones in 1952.

Marble in white, grey, yellow, black and streaked varieties is obtained in large quantities in Warangal District. The quarries worked successfully in the recent past, and there is a large scope for the development of this industry on a large scale. Marble is also burnt for making superior quality lime. About 44 tons of marble were extracted in 1952.

The limestones are suitable for cement manufacture. The Associated Cement Co., Ltd., at their Shahabad Works, use the locally available limestones and shale as raw material. In 1952 the output of cement was 1,88,720 tons and the company quarried 2,24,723 tons of limestone.

FORESTS

The State possesses 9,455 square miles of forest. The forests in the east are good, while those in the west have little economic value. The principal forests are situated in the Districts of Adilabad, Warangal, Karimnagar and the Amarabad Taluq of the Mahbubnagar District. Forests capable of producing fine timber are confined to the eastern parts of Adilabad, Karimnagar and Warangal Districts along the river Godavari. The State has 7,304 acres under afforestation and 1,000 families are engaged in afforesting the waste belts of the Marathwada Districts.

AGRICULTURE

Agricultural conditions differ considerably in the three main regions of the State. In the Telangana tract, which is generally full of hills and valleys, wet cultivation is carried on a large scale, the water being supplied by tanks and irrigation reservoirs. The number of major tanks is 8,000 and of minor 25,000. Conditions in the Marathwada country are quite different as the rainfall is less and the soil so rich that the ryots are never anxious to grow wet crops. In some places advantage has been taken of the water obtainable from rivers and wells, and garden crops which are more profitable than dry crops, are extensively grown. Conditions in the Karnatak tract are much the same as in the Marathwada, and the ryots are not anxious to grow rice. This is the reason why the Telangana people generally have rice and the Marathwada and Karnatak people wheat or jowar.

There are usually four crops in the year in the Telangana, namely, *kharif*, *rabi*, *abi* and *tabi*, but in the Marathwada, where irrigation sources are very limited, only two crops are raised, namely, *kharif* and *rabi*. These are known as 'dry crops' because they are cultivated without the help of artificial irrigation and depend on the monsoon rains. The principal *kharif* crops are yellow jowar, bajra, cotton, sara, kodru, til, groundnut, castor, kangri, maize and pulses, such as moong, urad, toor, and kaulthi. The principal *rabi* crops are cotton, white jowar, chenna (Bengal gram), karad, wheat, linseed, chillies, sugarcane and tobacco.

Hyderabad is second in the Indian sub-continent only to the pre-partition Punjab and Madras in the number of horses and sheep. The State has excellent indigenous types of cattle, classified as the Krishna-Valley type, the Red Khandari type, the Deoni type, and the Malvi type. Buffaloes however form the main source in most Districts for the supply of milk and ghee. There is a special breed of buffaloes in the western tracts of the State and these are a very satisfactory source of supply of both milk and ghee. Stud bred stallions have been posted in the Marathwada tracts, while the Stud Farm at Hingoli has been transferred to the Army. A sheep breeding farm has been established at Mahbubnagar. Cross breeding with the Bikaner type is making good progress.

Main Food crops of the State: Rice, Wheat, Barli, Jowar, Bajra, Maize, Ragl and other small millets.

Main cash crops of the State: Groundnut, Castor, Linseed, Sesamum, Sugarcane, Cotton and Tobacco.

Total production of Food Crops: 16,66,519 tons.

Production of individual food crops in 1951-52: Rice (4,36,197 tons), Wheat (45,541 tons), Barley (3,057 tons), Jowar (9,84,948 tons), Bajra (1,04,707 tons), Maize (35,047 tons), Ragl (14,496 tons); Other small millets (62,526 tons).

Production of individual cash crops in 1951-52: Groundnut cake (5,76,087 tons); Castor (60,648 tons); Linseed (31,315 tons); Sesamum (48,868 tons); Rape and Mustard (442 tons); Other Oilseeds (56,147 tons); Sugar cane (2,16,053 tons); Cotton (4,30,012 Bales); Tobacco (4,910 Tons).

Total area of the State in 1951-52	5,29,26,720 acres
Total area cultivated	2,41,69,392 "
Total area un-cultivated	2,81,57,328 "
Total area under wet cultivation	17,94,000 "
Total area under food crops	1,21,70,015 "
Total area under cash crops	83,42,981 "

Area under individual food crops in 1951-52: Rice (15,56,819 acres); Wheat (4,78,164 acres); Barley (19,463 acres); Jowar (75,68,432 acres); Bajra (12,81,924 acres); Maize (3,67,897 acres); Ragl (3,19,255 acres); Other small millets (7,71,041 acres).

Area under cash crops: Groundnut (20,75,004 acres); Castor (9,19,457 acres); Linseed (4,17,135 acres); Sesamum (7,30,207 acres); Rape and Mustard (7,007 acres); Other oilseeds (9,30,510 acres); Sugar cane (1,02,502 acres); Cotton (31,97,341 acres); Tobacco (22,458 acres).

Cultivable waste lands in 1952: 9,96,556 acres.

In the Crop Competition held in 1951-52 the results were as follows beginning with the highest yield per acre: Paddy—Abi, Nizamabad District, 7,650 lbs.; Paddy—Tabi, Mahbubnagar District, 7,040 lbs.; Jowar—Kharif, Nanded District, 3,760 lbs.; Jowar—Rabi (un-irrigated), Bhil District, 3,328 lbs.; Jowar—Rabi (irrigated), Osmanabad District, 4,000 lbs.; Jowar—Rabi (irrigated), Aurangabad District, 4,000 lbs.; Wheat (un-irrigated), Aurangabad District, 2,020 lbs.; Wheat (irrigated), Bhil District, 2,400 lbs.

**STATEMENT SHOWING THE AREA, PRODUCE AND
VALUE OF FRUIT CROPS IN HYDERABAD STATE**

Name of fruit.	1952		Value in Rupees
	Area in Acres.	Produce of each in Tons	
Banana	9,359	2,33,975	1,96,53,000
Citrus	12,247	61,235	30,61,750
Mangoes	4,880	24,400	48,80,000
Guava	4,830	24,150	24,15,000
Fig and Pomegranate	733	1,099	1,09,900
Grape	517	4,755	23,77,500
Miscellaneous fruits	9,015	9,015	4,50,750
Total	41,381	3,58,620	3,20,48,800

**STATEMENT SHOWING THE AREA, PRODUCE AND
VALUE OF VEGETABLE CROPS IN HYDERABAD STATE, 1952**

Kind of Vegetables	Area in Acres	Produce of each variety in tons	Value in Rupees
Lady's-finger	13,366	33,415	60,83,000
Sweet Potato and other root crops	10,416	52,080	1,04,10,000
Brinjal	8,591	21,477	42,95,400
Greens	8,284	12,426	37,27,800
Tomato	4,309	10,522	10,52,200
Potato	927	3,808	15,23,200
Cabbage and Cauliflower	714	2,142	8,50,800
Total	46,307	1,35,870	2,85,51,400

Total number of Cattle : 9,219,980 ; Buffaloes : 2,522,336 ; Bullocks : 453,379 ; Horses : 89,951 ; Sheep : 3,880,759 ; Goats : 2,313,292 ; Fowls : 3,153,591 ; Donkeys : 62,001 ; Stud Bulls in the State : 40,430 ; Stud Buffalo Bulls : 12,109.

Number of Veterinary Experimental Stations : 2 ; Veterinary Hospitals : 28 ; Veterinary Surgeons : 62 ; Stockmen : 34.

Number of Doses of Vaccines prepared : H.S. : 3,91,200 ; B.Q. : 2,09,610 ; A.R.P. : 96,500 ; Anthrax Vaccine : 11,360 ; Tissue Vaccine : 77,65,000.

Budget allotment for Veterinary Department for the year 1953-54 : Rs. 20,01,000.

Number of animals that can be accommodated at all the Hospitals of the State : 175.

STATE HELP FOR AGRICULTURE

Names of manures and seeds and their quantities distributed by the State during the year 1951-52 : Groundnut cake : 7,808 tons ; Paddy mixture : 8,893 tons ; Other fertilizers : 1,145 tons ; Compost, Rural : 74,288 tons ; Compost, Urban : 48,469 tons ; Green manure seed : 198 tons ; Rice seed : 1,32,035 md. ; Jowar seed : 11,341 md. ; Wheat seed : 6,426 md. ; Potato seed : 6,000 md.

Number of new wells constructed : 905.

Number of old wells repaired : 392.

Supply of oil engines : 842 ; Rahata : 87 ; Tractors : 22 ; Ploughs : 527.

Number of farms in the various districts of the State : 17.

Plant protection services :

Distribution of sulphur : 42,402 lb. Distribution of Paddy Hissa : 16,476 acres.

Budget provision for Grow More Schemes for 1952-53 :

Compost : H.S. : Rs. 23,000.

Oil cake and fertilizers : H.S. : Rs. 76,86,207.

Quantity of improved seeds distribution : H.S. : Rs. 73,83,299.

Agricultural implements distributed or loaned : H.S. : Rs. 3 lakhs.

Monetary help given by Government to cultivators. Award of prizes : H.S. : Rs. 1,80,463.

Total amount of 'D' Experimental farms : H.S. : Rs. 5,57,100.

Total amount of F-7 Schemes for control : H.S. : Rs. 5,23,337.

INDUSTRIES & TRADE

Total number of registered factories in the State : 1,061

Average daily number of workers employed in the factories : 70,721.

Number of registered factories in individual industries with the average daily number of workers employed in each industry within brackets : Ginning 124 (2,246) ; Rice milling 61 (677) ; Oil expelling

11 (289) ; Ginning and Pressing 58 (5,595) ; Ginning, Pressing and Decorticating 16 (1,407) ; Ginning, Decorticating and Oil 54 (1,714) ; Ginning, Pressing, Decorticating and Oil 12 (1,448) ; Decorticating and Oil 62 (1,710) ; Decorticating and Rice 29 (417) ; Decorticating, Rice and Oil 88 (2,028) ; Beedi 101 (6,613) ; Tanneries 27 (1,188) ; Printing 34 (1,647) ; Saw milling 16 (293) ; Maintenance of Automobiles 27 (1,278) ; Button 18 (6,79) ; Textile 16 (14,440) ; Sugar 3 (1,991) ; Paper 1 (2,412) ; Glass 2 (1,254) ; Cigarettes 4 (1,873) ; Cement 1 (2,445) ; Asbestos Cement 1 (463) ; Handloom weaving 4 (235) ; Electricity generation 10 (1,401) ; General Workshop 27 (5,178) ; Liquor distillation 2 (260) ; Maintenance of Aircraft 1 (434) ; Machine Tool 1 (351) ; Metal Industry 7 (1,345) ; Mint and Stamps 1 (330) ; Hume Pipes 6 (178) ; Safety Matches 15 (332) ; Chemicals, Pharmaceuticals and Fertilizers 4 (446) ; Blending and packing of Tea 1 (280) ; Others 216 (5,838).

The rice mills are numerous in the districts of Nizamabad, Warangal, Medak, Mahboobnagar, Nalgonda and Karimnagar. Oil crushing mills are situated in the districts of Warangal, Gulbarga, Raichur, Nalgonda, Mahboobnagar and Karimnagar. Cotton ginning and pressing factories are found in Aurangabad, Parthani, Raichur, Nanded, Bhilr, Gulbarga and Adilabad. The largest number of factories engaged in beedi and tobacco products are in Nizamabad District followed by Aurangabad, Gulbarga, Warangal and Mahboobnagar Districts.

The State has 6 cotton mills (Hyderabad, Gulbarga, Warangal, Nanded and Aurangabad) producing annually 6,54,52,000 yards of cloth and 2,03,20,000 lb of yarn. The sugar factory at Bodhan in the Nizamsagar area produces annually 21,000 tons of sugar and the Sirpur Paper Mills (Adilabad District) produce 3,250 tons of paper. The production of cement (Gulbarga District) amounts to 1,86,000 tons ; of power alcohol (Nizamabad District) 415,000 gallons and of cigarettes about 45 crores.

Names of minerals produced in the State, showing within brackets their output, value and labour employed during 1952 : Coal (14,34,194 tons, Rs. 3,05,86,549, 16,132 workers) ; Gold (9,291.53 fine oz. ; Rs. 25,33,079 ; 1,227 workers) ; Limestone (4,70,935 tons ; Rs. 32,13,794, 8,357 workers) ; Marble (14 tons ; Rs. 1,760) ; Mica (600 lb. ; Rs. 180 ; 16 workers) ; Graphite (39 tons ; Rs. 3,900 ; 53 workers) ; Garnets (30 tons ; Rs. 1,800 ; 40 workers) ; Red Ochre (57 tons, Rs. 1,530 ; 13 workers) ; Steatite (205 tons ; Rs. 22,839, 63 workers) ; Slate (12 tons ; Rs. 72, 10 workers) ; Sand (63,719 tons ; Rs. 1,63,584 ; 312 workers) ; White Clay (1,057 tons ; Rs. 20,565 ; 107 workers) ; Quartz (1,965 tons, Rs. 8,225 ; 224 workers) ; Lime kanker (1,387 tons, Rs. 3,755 ; 110 workers) ; Building stores (11,29,608 tons ; Rs. 21,37,374 ; 820 workers) ; Mill stores (877 tons ; Rs. 1,920, 40 workers).

The total number of companies on the register at the end of December 1952 was 234 out of which 222 companies were limited by shares. The authorised, issued, subscribed and paid-up capital of the above companies was approximately Rs. 46 crores, Rs. 22 crores and Rs. 17 crores respectively.

COTTAGE INDUSTRIES

Small scale and cottage industries consist of yarn spinning, cloth weaving, Patthan industry of gold embroidery, Aurangabad Himru, Mahru and Kamkhab, blanket making, cloth dyeing and printing, silk weaving, wool carpet and durr making, Bidriware, silver filigree work, Nirmal toys work, hand-made paper, metal industry, tanning, button industry, soap manufacture, cane work, brush work, mat making, tusser work, clay work, brass industry, brick and tile making, carpentry, smithy, rattan work, biscuit making, fruit and vegetable processing, bangle manufacture, perfumery, tape making, Shatranji making, knife and scissors, ceramics, salt, jaggery and sugar, Palm gur, oil, ivory and horn work, matches.

The rural areas in Hyderabad State have the largest share of the Cottage Industrial establishments functioning in the State. The total number of Cottage Industrial establishments in the State is 221,097. These establishments do not come under the purview of Indian Factories Act or Indian Mines Act. The total number of Textile Establishments is 96,514 and non-textiles is 1,25,183. The total number of Handlooms working in Textile establishments is 1,31,649, out of which, 1,15,115 are cotton looms and 16,534 other than cotton looms (woollen and silk).

The approximate total number of persons employed in the various types of small-scale and cottage industries is as follows. —

Textile : Cotton Spinning and Weaving (2,39,142) ; Woollen Spinning and Weaving (37,919) ; Silk reeling, twisting and weaving (4,437) ; Manufacture of rope, twine string, etc. (9,874).

Non-Textile : Salt making (734) ; Food industries (6,123) ; Oil extraction (12,495) ; Dairy products (2,801) ; Gun manufactures (64,864) ; Beedi making (12,601) ; Tailoring (5,710) ; Cobblers (47,730) ; Blacksmiths (16,867) ; Copper and Brass workers (2,892) ; Cart making (4,083) ; Toilet and Soap manufacturing (1,436) ; Goldsmiths (19,154) ; Bricks and Tiles (2,955) ; Potters (48,123) ; Lime burners (2,834) ; Carpenters (24,281) ; Basket makers (26,970) ; Furniture and Wood industry (3,204) ; Paper industry (185) ; Printers and Bookbinders (1,023) ; Glass bangles (381) ; Toy makers (486).

The budget provision for expenditure on schemes for the development of Cottage Industries under Commerce & Industries Directorate during 1953-54 is as under

Reorganisation of small-scale Industries in Indian Government, Rs. 1,06,800; Palm Gur Scheme, Rs. 21,850; Village Industries Training Centre, Rs. 97,940; Textile Designing Scheme Rs. 17,830; Integrated Village Industries Development Scheme, Rs. 4,50,489; Cottage Industries Sales Depot, Rs. 50,960; Sericulture Development Scheme, Rs. 10,410.

TRADE

The principal imports during the year 1951-52 in O.S. Rs. in lakhs were as follows.

Piece goods (cotton, silk, and woollen), 14,89.29; Industrial machinery, 4,22.31; Metals and their manufacture, 3,51.04; Petrol, 1,82.53; Foodgrains, 6,23.72; Others, 48,63.05.

Total imports: O.S. Rs. 79,31.94 lakhs.

The principal exports during the year 1951-52 in O.S. Rs. in lakhs were as follows.

Cotton, 15,51.82; Edible oils, 11,72.28; Oil seeds, 10,27.02; Coal, 1,43.57; Hides, skins and leather, 1,22.98; Foodgrains, 3,98.33; Others, 11,03.82.

Total exports: O.S. Rs. 55,19.82 lakhs.

Power Projects: Total number of units generated in the State by the Hussainsagar Power House, the District Power Schemes and the Azamabad Thermal Power Schemes stations: 5,55,01,863 kwt.

Total units purchased by District Power Schemes, for distribution purposes: 52,61,951 kwt

Total number of towns electrified: 14.

Total number of consumers to end of 1952: 34,076.

STATE'S FINANCE

As a result of constitutional changes after January 26, 1950, i.e. the date of the coming into force of the new Constitution of India, the administration of such of the subjects in Hyderabad State as are included in the list of Union subjects was with effect from April 1, 1950 taken over by the Central Government as falling within their functional ambit. The principal subjects which have been transferred to the control of the Central Government are the following: Taxes on Income; Central Excise Duties (i.e., duties on sugar, matches, tobacco, etc.); Railways; Posts; Telephones; Currency and Mint; Army; Audit and Accounts; Aviation and Broadcasting.

Revenue Receipts for 1953-54 are estimated at Rs. 2801.73 lakhs and the expenditure at Rs. 2821.83 lakhs leaving a deficit of Rs. 20.10 lakhs.

The main items of Revenue Receipts and Service Expenditure for the year under reference are as below:—

Revenue Receipts (In lakhs of rupees): Union Excise Duties (95.03); Share of Income-tax and tax on agricultural income (245.09); Land Revenue (502.29); State Excise Duties (942.86); Forest (90.00); Export, Customs and Surcharges (257.14); Sales Tax (197.14); Interest on investments (72.22).

Service Expenditure (In lakhs of rupees): Land Revenue (135.14); State Excise Duties (78.80); Irrigation (89.83); Debt Services (322.29); General Administration (90.38); Police (338.57); Education (475.76); Medical (111.54); Public Health (75.80); Agriculture (72.86); Veterinary (20.01); Co-operation (20.93); Civil Works (203.30); Superannuation Allowances and Pensions (221.37); Compensation to the Nizam and the Jagirdars (164.57).

A sum of Rs. 145.33 lakhs, has been provided for new Development Schemes and Schemes under the Five Year Plan as detailed below: Agriculture (4.29 lakhs); Veterinary and Animal Husbandry (2.57 lakhs); Co-operation (5.91 lakhs); Forest (4.29 lakhs); Education (25.57 lakhs); Medical (4.29 lakhs); Public Health (3.57 lakhs); Repairs to and restoration of breached tanks and canals (35.00 lakhs); Development under Tungabhadra Project (21.43 lakhs); Development under Nizamagar Project (12.85 lakhs); Harijan Welfare (6.85 lakhs); Community Projects (18.00 lakhs); Amelioration of Backward Classes (1.71 lakhs).

As a result of the recommendations of the Finance Commission, the Central Government have discontinued the grant-in-aid of O.S. Rs. 135.00 lakhs to the State under the Federal Financial arrangements from 1st April 1953 and have decided to allocate 40 per cent of the net proceeds of the Union Excise Duties on tobacco (including cigarettes, cigars, etc.), matches and vegetables products. Hyderabad's share in this divisible pool has been fixed as 5.39 per cent which is expected to yield Rs. 95.08 lakhs in the year 1953-54.

In addition to the above, the Budget Estimate for 1953-54 also includes State's share in the divisible pool of Income-Tax (other than Corporation Tax), which, on the basis of the recommendations of the Finance Commission, has been fixed as 4.50 per cent of the divisible pool, which in its turn is 55 per cent of the net proceeds

of Income-Tax, excluding Corporation Tax. Hyderabad's share of the divisible pool of Income-Tax is estimated as Rs. 238.23 lakhs for the year 1953-54.

Currency: Both I.G. Currency and O.S. Currency continue to be legal tender and adequate facilities have been provided for their exchange at a prescribed rate at all District Treasuries and at the Hyderabad State Bank and its Branches. The value of Hyderabad Paper Currency, in circulation at the end of March 1953 was O.S. Rs. 33.97 crores.

Currency is a Central subject. The Central Government have decided to demonetise the State Currency. The demonetisation of O.S. Currency which was to take effect from the 1st of April 1953 has been postponed to 1st April 1955.

Banking: As recommended by the Rural Banking Enquiry Committee, the Reserve Bank of India has been appointed as Bankers to the Government of Hyderabad with effect from the 1st April 1953, and the Hyderabad State Bank is now functioning as Agents of the Reserve Bank of India conducting Government business on behalf of the Reserve Bank of India throughout the State with effect from 1st April 1953.

During the year 1952-53, the Hyderabad State Bank continued to discharge its normal functions as Bankers to Government under the Hyderabad State Bank Act.

CO-OPERATION

Number of Co-operative Societies: 15,077.

Total membership: 14,56,478.

Total working capital: Rs. 10,13,28,235.

Types of Co-operative Societies and their numbers: Multi purpose Co-operative Societies (67); Tenant and Joint Farming Societies (8); Milk (Dhee Producers) Societies (8); Consumers Societies (136); Agricultural Credit Societies (4,242); Non-agricultural Credit Societies (1,070); Consolidation of holding Societies; Housing Societies (24); Co-operative Bank (Grain) and Rural Banks (8,248).

Number of Central Banks and District Co-operative Banks: 45.

Provincial Co-operative Bank: The Hyderabad Co-operative Dominion Bank Ltd. Working Capital: Rs. 139,45,011; Deposits: Rs. 94,34,201; Paid up Share Capital: Rs. 11,50,325; Reserve and other Funds: Rs. 12,64,439; No dividend was declared for 1951-52. Budget allotment for the Department for 1952: Rs. 23,39,700.

CIVIL SUPPLIES

Rice was decontrolled on February 25, 1954.

Monthly requirements on a quantum of 6 oz. per day per adult of Hyderabad and Secunderabad in tons: 5,130.

	Prices in I.G. ex-godown rate per palla	Retail rate per palla	Retail rate per seer
Rice:			
Coarse rice	Rs. 49-86	51-0-0	0-6-10
Medium fine rice	Rs. 71 6-6	73-2 0	0 9- 9

Requirement of rice of rationed areas of the State (i.e.) Hyderabad City and Secunderabad: 52,234 bags of 110 seers each for one month.

LABOUR

Average daily number of workers in registered factories in 1951: 70,655.

Names of Industries in which minimum wages have been fixed: Only two industries namely the beet factories and the tanneries. Subsequently committees were set up to revise these wages.

Cost of living index in December 1952 in the following six centres: Hyderabad (168); Warangal (183); Nizamabad (178); Nanded (185); Aurangabad (165); Gulbarga (144).

Average monthly earnings of workers in O.S. Rs. in the following industries in 1951: Textiles (Cotton) (Rs. 79-2-4); Textiles (Others) (Rs. 48-10-3); Engineering (Rs. 19-8-5); Minerals and Metals (Rs. 69-6-11); Food, Drink and Tobacco (Rs. 48-5-7); Chemicals and Dyes (Rs. 43-15-3); Wood, Stone and Glass (Rs. 51-10-1); Ginning and Pressing (Rs. 18-10-8); Paper and Printing; (Rs. 65-0-11); Hides and Skins (Rs. 31-0-3); Transport (Rs. 119-3-3); All Industries (Rs. 66-7-10).

Total number of trade disputes for the year 1952: 78.

Number of workers affected: 26,114.

Number of strikes: 69.

Number of workers affected: 22,258.

Number of man days lost: 84,790.

The Industrial Disputes Act, 1947 (Central) has been extended to Hyderabad State also.

Number of Trade Unions registered till end of March 1953 : 255.
Total membership : 111,862.

Welfare Centres : The Municipality is running four welfare centres for the benefit of the employees. Labour Department itself is running a Welfare Centre at Azamabad (Hyderabad City) for the benefit of the workers. Some of the big industrial concerns like A.C.C., Shahabad have provided clubs, etc.

The Act applies to all factories using power and employing 20 or more persons. Seasonal factories as defined in the Employees' State Insurance Act, 1948 and mines subject to the Indian Mines Act, are excluded from the scope of the Act.

The Government appointed a Labour (Factory) Investigation Committee in June 1949 to investigate labour conditions in the State. The report of the Committee was accepted by the Government with some modifications, and the minimum earning of the lowest paid employee in Government factories was raised from Rs. 43 to Rs. 52. Employees of other Government concerns which are not factories, viz. those of Drainage Department, Water Works Department, State Agricultural Farms are also paid wages on a similar scale.

The Hyderabad Maternity Benefit Act, 1940 has been amended to provide for payment of maternity benefit at Annas 12 per day six weeks before and six weeks after confinement. The Hyderabad Shops and Establishments Act, 1951 has been promulgated to regulate the conditions of employees of shops and establishments in the State. The State Government proposed to construct 10,000 houses in the period of 5 years for industrial workers in the State under the Industrial Housing Scheme sponsored by the Government of India. Works of construction is progressing steadily.

HOUSING

298 two-room houses have been constructed at Mushirabad (Hyderabad City) under the Government of India Housing Scheme, 1949. 443 one-room houses were constructed at Mushirabad, Chikadpalli and Sanatnagar (Hyderabad City) under the subsidized Housing Scheme of Government of India for the year 1952-53, a special feature being that the construction was entrusted to the Labour Co-operative Societies instead of to usual contractors.

JUDICIARY

There are one Chief Justice and 8 Puisne Judges in the High Court. There are 173 Judicial Officers administering criminal and civil justice, including one Special Magistrate for all the Districts and two Railway Magistrates—one at Secunderabad and the other at Aurangabad.

POPULATIONS OF DISTRICTS

Hyderabad 1,511,336; Mahbubnagar 1,186,496; Raichur 1,151,987; Gulbarga 1,448,944; Bidar 1,172,702; Osmanabad 807,452; Bhir 826,046; Aurangabad 1,179,404; Parbhani 1,010,864; Nanded 949,936; Adilabad 902,522; Nizamabad 773,158; Medak 1,027,293; Karimnagar 1,581,067; Warangal 1,581,326; Nalgonda 1,543,975.

GOVERNMENT OF HYDERABAD

Rajpramukh, Nawab Mir Osman Ali Khan Bahadur, the Nizam of Hyderabad.

Chief Minister, Genl Adm., Tenancy, B. Ramakrishna Rao.

Deputy to Chief Minister, Shanker Deo.

Home, Law, Rehabilitation, D. G. Bindu.

Deputy to Home Minister, S. Ekhlekar.

Revenue, Excise, Forests, K. Venkata Ranga Reddy.

Deputy to Revenue Minister, P. Hanumantha Rao.

Finance, Statistics, Customs, Commerce, Industry, V. K. Vidyulankar.

Deputy to Finance Minister, Virupakshappa.

Public Works, Labour, Dr. G. S. Melkote.

Dy. to Public Works Minister, S. Rajalingam.

Public Health and Medical, Nawab Mehdi Nawaz Jung.

Dy. to Health Minister, Bhagwanthrao Gadhe.

Supply, Agriculture, Planning, M. C. Reddy.

Dy. to Supply Minister, A. Ramaswamy.

Local Self-Govt., Education, G. R. Ekkote.

Dy. to Local Self-Govt. Minister, Sangam Laxmi Bai.

SECRETARIAT

Chief Secretary, K. Srinivasan, I.A.S.

Secretary, Public Works Department & Medical Department, Ramlal, I.A.S.

Education Department and Jagir Administration, L. N. Gupta, I.A.S.

Finance Department, C. Damodar Reddy, I.A.S.

Commerce and Industries & Textile, S. N. Bilgrami, I.A.S.

Home Department, C. Godsay, M.C.S.

Revenue Department, M. Abdullah, I.A.S.

Legal Department, S. M. Younus.

Local Government Department, Najaf Ali Khan, I.A.S.

Planning and Development and Rural Reconstruction, Jagjivan Chand, I.A.S.

Joint Secretary and ex-Officio Labour Commissioner, Abdul Lateef

Rasvi.

BOARD OF REVENUE

Senior Member, and ex-Officio Commissioner, Development, Zaheer Ahmed, I.A.S.

Members, Ghulam Hyder; Nagender Bahadur; I. Ramachander Rao.

PUBLIC SERVICE COMMISSION

Chairman, N. B. Bonarji, I.C.S. (Retd.)

Members, Baker Ali Mirza; Dhonde Raj Bahadur.

Secretary, B. L. Oates, I.A.S.

HEADS OF DEPARTMENTS

Commissioner, Sales Tax, Rai Dilsukhram.

Inspector-General of Police, Shivkumari, I.P.S.

Commissioner, Excise Dept., Abid Ali Khan

Nazim Atiqat, Kalimullah Kadri

Chief Conservator of Forests, Doulat Rai

Chief Engineer, Irrigation Projects, P.W. Department, D. V. Rao.

Chief Engineer, P.W. Department, J. C. Hardikar

Chief Electrical Engineer, S. A. Qunder

Commissioner, Settlement and Land Records, Behramji Darabjung Chitao.

Director, Medical and Public Health Departments, Dr. L. D. Khatri.

Director, Public Instruction, Sethu Madhav Rao, I.A.S.

Director of Agriculture, Ekbal Chand, I.A.S.

Director, Commerce and Industries, K. I. Vidyasagar, I.A.S.

Director, Government Printing, Syed Asghar Hussain, I.A.S.

Director, Information and Public Relations, Bindu U. Rao.

Director, Bureau of Economics and Statistics, M. V. Divatia.

Inspector-General of Prisons, C. J. Bhavnani

Director, Veterinary Department, Dr. K. S. Shetty.

Director, Central Records, Raja Trimbak Raj.

Registrar, Co-operative Societies, R. V. Madhusudhan Rao.

Director, Engineering Research, Dr. S. P. Raju.

Director, Archaeological Department, P. Srinivasachari

Director, Central Laboratories, Dr. Hussain Zaher.

Commissioner, City Police, A. Sundaram Pillai.

Chief Inspector, Inspectorate of Offices, Nizamuddin Ahmed, M.C.S.

HIGH COURT

Chief Justice, Laxmi Shanker Misra.

Judges, Sripat Rao Palitkar; Syed Qamar Hassan; Rai Manohar

Pershad; Mohd. Ahmed Ansari; Dr. Mir Shadat Ali Khan;

A. Sreenivasachari; Vithal Rao Deshpande; Pingli Jagan Mohan

Reddy

Special Officer, High Court, Sharfuddin Ahmed, M.C.S.

LEGISLATIVE ASSEMBLY

(For list of members see under General Elections).

HYDERABAD MUNICIPAL CORPORATION

Mayor, Madapati Hanumanth Rao.

Dy. Mayor, Mir Ahmed Ali Khan.

Commissioner, M. Ramappa.

City Engineer, Mir Mahboob Ali Khan

Medical Officer of Health, Dr. C. R. Naidu.

Secretary, Prem Chand.

Asst. Commissioner, Mohd. Liaquat Ali.

Assessor and Collector, Mohd. Abdul Ali.

Examiner of Accounts, Gopal Kishan.

Registrar, B. R. Kapoor.

Licence Officer, C. Balaji.

MEMBERS

Names of members showing within brackets the Constituency which each member represents :

Ansuddin Ahmed (Mushheerabad); Sheikh Ahmed (Khairtabad);

G. Arjunker (Nallakunta); Madhav Rao Anwar (Nominated

by Govt.); Shrimati Shanta Bai (Osman Shahi); Mulla Abdul Basith

(Chanchalguda); Mirza Mahmud Rashid Beg (Begum Bazar);

Shrimati Shahjahan Begum (Imampura); Habib Hussain Bilfaqla

(Hussainalam); Jaya Chari (Narayanguda); Ramanuja Chari

(Chanchalguda); Parankush Das (Nominated by Govt.); Miss

Dellima (Nominated by Govt.); B. Ram Deo (Malakpet); Shrimati

Sumitra Devi (Mushheerabad); K. Seetiah Gupta (Siddamber Bazar);

Miss Gool D. Italia (Nominated by Govt.); Maqbool Ahmed Jamai

(Gosha Mahal); Gopal P. Joshi (Ramkote); Laxman Rao Karchalkar

(Begum Bazar); Abdul Ali Khan (Somajiguda); Abid Ali Khan

(Somajiguda); Khaja Baidarullah Khan (Charminar); Mir Ahmed

Ali Khan, Deputy Mayor (Jubilee Hills); Mohd. Fazlullah Khan

(Shah Ali Banda); Mohd. Mandoor Khan (Azampura); Mohd.

Muniruddin Khan (Alilabad); Mustafa Yar Khan (Kachiguda);

Shahabuddin Ahmed Khan (Azampura); Brji Lal (Brahmanwadi);

Kishen Lal (Afzal Ganj); Gulam Mohd. Khan Lodhi (Pathergatti);

Govind Das Mehta (Gowli Guda); Syed Mohd. Ali Moosavi (Darushafa);

Krishnaswamy Mudraji (Troop Bazar); Ram Murthi Naidu

(Troop Bazar); Laxmi Narayan (Donalguda); C. K. Narayanswamy

(Mushheerabad); Bojjam Narasimlu (Amberpet); Dwarka Pershad

Nigam (Darushafa); Dr. U. R. Fargoonkar (Nominated by Govt.);

Keshav Pershad (Dhooipet); Narasing Pershad (Nallakunta); Onkar

Pershad (Charninar); Rajeshwar Pershad (Nampally Syed); Ahmeddullah Qadri (Narayanguda); N. Bhoj Raj (Gowli Guda); Ganga Ram (Gowlipura); K. Papa Rao (Ashtnagar); K. Ranga Rao (Karawan); Madapati Hanumanth Rao, His Worship the Mayor (Falakuma); Shama Rao (Khairatabad); Yadgir Rao (Malakpet); Bal Reddy (Tadban); B. Ram Reddy (Falakuma); K. Ram Reddy (Domalguda); Dharni Dhar Sanghi (Gulzar Houz); Erram Satyanarayan (Ramkote); Shankerji (Husaincalam); Ram Nivas Sharma (Dhoolpet); Manohar Singh (Allabad); Ranjit Singh (Rahimpura); Sardar Avtar Singh (Nominated by Govt.); B. Venkateswamy (Gowlipura); S. Venkateswamy (Doodh Bawli); Vacant (Chanchalguda).

SECUNDERABAD MUNICIPAL CORPORATION

Commissioner, M. Dharamraj Mathur, B.A.
City Engineer, M. Ramaswamy, B.E., A.M.I.E.
Assistant Engineer, Sri Hari, B.E., A.M.I.E.
Assistant Commissioner, M. Venkatapathy Raju, B.A.
Assistant Health Officers, Dr. Maruthi Rao, L.M.S., D.P.H. (Cal.); Dr. M. S. Govindaraman, L.M.P.; Dr. V. M. Raghunatha Rao, L.M.P.
Municipal Secretary, Hari Shanker, B.A., LL.B., L.S.G.D.
License Officer, Gote.
Examiner of Accounts, V. Veeraraghavachary.
Taxation Officer, Rama Chary, B.A.
Conservancy Officer, Nawab Ali Khan.

MEMBERS

B. V. Gurumurthy (*Mayor*); Venkatesam, S. R. (*Deputy Mayor*); Anantha Buchanna, M. P.; Veeriah R. Buchi; Shrinathi J. Mahwari Bal; G. S. Gajapathi Rao; S. B. Giri; Gadepalli Jagannadham; V. Jagannadham; J. P. Kasinatham, M. Laxmiah; B. Mallikarjun Rao; P. V. Manohar; E. M. Michael, Malani Mukundas; V. C. Muthanna Mudalliar; C. S. Naidu, Uppu Narayana, U. Narayanaswamy; M. Ramchandralah; A. Rangapandu; T. Sambiah, A. Sardar Singh; Gupta S. Satyanarayana; M. Siddique; Shrimathi Sunanda Devi; Shrimathi Susheela Devi; Dr. Y. N. Timmarapl; R. K. Vasudeva Mudalliar, J. Venkatesham, Venkatnatha Sastry; A. Viswanadham.

OSMANIA UNIVERSITY

Hyderabad, Deccan, 7.

The Osmania University was established in 1918, and its charter was revised in 1947 and 1950. It is both a residential and affiliating university. It comprises nine Faculties, namely, Arts, Science, Commerce, Medicine, Engineering, Agriculture, Veterinary Science, Education and Law. There are 6 University Colleges, 2 constituent Degree Colleges (including one exclusively Women's College), 7 constituent Inter Colleges, 7 Affiliated Colleges (including one Medical College and four degree Colleges), 2 Constituent Evening Colleges (one Degree and one Inter) for those in employment.

In all Degree and Inter Colleges English is the main medium of instruction, but in a few Colleges parallel classes are conducted in Hindustani. In all professional courses English is the only medium of instruction. Compulsory Theology and Ethics have been abolished and replaced by a regional or allied classical language. The place of the Faculty of Theology has been taken by the Department of Religion and Culture under the Faculty of Arts. It also includes a study of comparative religion.

The University is completely autonomous though it is wholly financed by the Government. The University Council, consisting of 16 members, is the governing body. The Vice-Chancellor is the chief administrative officer. The other bodies of the University are the Finance Committee, Academic Council, Senate, Faculties and Boards of Studies.

Budget (1952-53): O.S.Rs. 82,40,810. (O.S.Rs. 116-10-8 are equal to Indian Govt. Rs. 100-0-0).

Contribution by State Government : O.S.Rs. 60,00,000.

Library : 111,341 Volumes (English 32,743; Urdu, Persian, Arabic 16,183; Oriental 15,277; Gift 16,874; Salarjung 30,464). There are 3,304 MSS and 1,244 Palm Leaf MSS.

Admission : The qualification necessary for entrance to the Inter Course is the Higher Secondary Certificate or equivalent certificate.

Degrees : B.A., M.A., Ph.D. in Arts, B.Sc., M.Sc., Ph.D. in Science; B.Com. and M.Com. in Commerce; B.E., M.B.B.S., B.V.Sc., B.Sc. (Agriculture), B.Ed., M.Ed., LL.B. and LL.M. Diplomas in French and German and Hindi.

CHANCELLOR

Dr. B. Ramakrishna Rao, B.A., LL.B., LL.D.

VICE-CHANCELLOR

Dr. S. Bhagavantam, M.Sc. (Hons.), D.Sc. (Andhra), F.I., A.S.C., F.N.I.

REGISTRAR

Dr. I. Topa, Ph.D. (Freiburg).

DEANS OF FACULTIES

Arts, Dr. M. Nizamuddin, Arts College, Osmania University
Science, Dr. S. Bhagavantam, Vice-Chancellor, O.U.
Agriculture, Dr. P. D. Nair, Director, Agricultural Department, Hyderabad, Deccan.
Medicine, Maj.-Gen. S. L. Bhatia, Inspector-General, Health and Medical Services, Hyderabad, Deccan.
Veterinary Science, Dr. K. S. Nair, Veterinary College, O.U. Hyderabad, Deccan.
Law, Prof. Husain Ali Mirza.
Education, T. Suryanarayana, Director, Public Instruction, Hyderabad, Deccan.
Commerce, Imtiaz Husain Khan, Arts College.
Engineering, Prof. M. Athar.

UNIVERSITY PROFESSORS

Chemistry, Dr. Syed Husain.
Law, Prof. Husain Ali Mirza.
Persian, Dr. M. Nizamuddin.
Physiology, Dr. S. A. Rahman.
Civil Engineering, Prof. M. Athar.
Veterinary Science, Dr. K. S. Nair.
History, Miss G. M. Linnell.
Agriculture, Dr. Hashim Amir Ali.
English, Prof. M. S. Doraiswami.
Botany, Prof. M. Sayeeduddin.
Education, Prof. M. Ahmed Ali Khan.
Civil Engineering, Prof. Z. Ansari.
English, Prof. S. Fazle Haq.
Physics, Dr. S. Mehdi Ali.
Physics, Prof. S. Mohd. Ali Khan.
Urdu, Dr. S. M. Qadir Zore.
Veterinary Science, Prof. M. Habeeb Khan.
Chemistry, Dr. N. Ram Lal.
Economics, Shri B. V. Ram Narsu.
Politics, Shri S. Ali Akhtar.
Physics, Dr. R. Satyanarayana.
English, Shri Pedda Rama Swamy.
Chemical Technology, Dr. S. Husain Zaheer.
Medicine, Dr. Mufti Shah Nawaz.
Arabic, Dr. Qari Qutubuddin.
History, Dr. Yousuf Hussain Khan.
Mechanical Engineering, Prof. S. Ahmed Ali.
Sociology, Dr. Jaffar Hasan.
Agricultural Agronomy, Prof. M. Baqar Hussain.
Pharmacology, Dr. Yousufuddin Ansari.
Physics, Dr. J. C. Kameshwar Rao.
Philosophy, Dr. Mir Valluddin.
Economics, Prof. M. Abdul Qader.
Electrical Engineering, Prof. V. M. Gadgil.
Chemistry, Dr. N. V. Subba Rao.
Sanskrit, Dr. A. Sharma.
Mathematics, Dr. V. P. Venkatachari.
Anatomy, Dr. S. P. Sahgal.
Pathology, Dr. V. Gopal Rao.

UNIVERSITY COLLEGES

University College of Arts & Commerce, Osmania University, Hyderabad, Deccan 7.
 University College of Agriculture, Osmania University, Hyderabad, Deccan 7.
 University College of Education, Osmania University, Hyderabad, Deccan 7.
 University College of Engineering, Osmania University, Hyderabad, Deccan 7.
 University College of Science, Osmania University, Hyderabad, Deccan 7.
 University College of Veterinary Science, Osmania University, Hyderabad, Deccan 7.

CONSTITUENT COLLEGES

Nizam College, Gunfoundry, Hyderabad, Deccan.
 Women's College, Sultan Bazar, Hyderabad, Deccan.
 College of Law, Salfabad, Hyderabad, Deccan.
 City Intermediate Science College, Hyderabad, Deccan.
 Salfabad Intermediate Science College, Hyderabad, Deccan.
 Chanderghat Intermediate Arts College, Hyderabad, Deccan.
 Evening College of Arts & Commerce, Hyderabad, Deccan.
 Evening College of Arts & Commerce, Secunderabad, Deccan.
 Mahboob Intermediate Arts & Science College, Secunderabad, Deccan.
 Intermediate Arts & Science College, Aurangabad, Deccan.
 Intermediate Arts & Science College, Gulbarga, Deccan.
 Intermediate Arts & Science College, Warangal, Deccan.

AFFILIATED COLLEGES

Medical College, Afzal Gunj, Hyderabad, Deccan.
 Vivek Vardhini College, Gaulliguda, Hyderabad, Deccan.
 Badruka College of Commerce, Nampalli Station Road, Hyderabad, Deccan.
 People's Education Society's College, Cantonment, Aurangabad, Deccan.
 People's College, Nanded (Deccan).

Total number of Arts and Science Colleges : 16 Arts and 10 Science Colleges (as seven Colleges impart education in Arts and Science).

Total number of Women's Colleges : One.

Total enrolment in Arts and Science Colleges : 9,276.

Total number of Professors : 22; Lecturers : 538.

Total number of Professional Colleges : 6 (Education, one; Agriculture, one; Veterinary Science, one; Engineering, one; Law, one; Medical, one).

Total enrolment in Professional Colleges : 1,878.

SECONDARY EDUCATION

Statement in respect of institutions, students and expenditure during the year 1951-52.

Type of institution	Number of institution	Number of students	Expenditure Rs.
High Schools	139	89,165	1,03,13,497
Middle Schools	224	87,031	57,86,942
Primary Schools	10,288	610,363	2,91,55,330
Professional Schools	17	1,130	13,91,201
Schools for special education	528	35,781	8,52,933
Direction, Inspection and miscellaneous indirect expenditure	—	—	62,02,929
Total	11,196	8,23,470	5,37,02,832

During the year 1952 two Basic Training Centres were established in the State at a cost of Rs. 68,742 recurring and Rs. 43,500 non-recurring, one at Bilknor and the other at Mombabad.

Educational, Personnel and Organisation : For administrative purposes the State is divided into five divisions each under a Divisional Inspector of Schools. Each division is divided into 17 units, each unit being under a District Inspector of Schools. Each Inspector has under him 6 to 10 Deputy Inspectors of Schools. All these officers are subordinate to the Director of Public Instruction who has two Deputy Directors and six Assistant Directors to assist him.

The Board of Secondary Education consisting of one Secretary, and one Assistant Secretary is entrusted with the Higher Secondary Certificate, Training and other examinations.

The total direct expenditure on recognised primary institutions in 1951-52 was Rs. 192 lakhs of which the Government bore 97 per cent. The medium of instruction throughout the primary stage is the mother tongue of the pupil.

Though a scheme was sanctioned to make elementary education compulsory, it had to be dropped as it did not work successfully.

The regional languages of the State namely Telugu, Marathi and Kannada have been made the media of instruction throughout the Secondary stage since June 1951. Hindi is compulsory in all classes.

Social Education : Adult Education Schools are under an Inspector for Adult Education with two Assistants and necessary establishments. The number of Adult Schools at the end of the year under report was 325 out of which 266 were Government ones. The number of Adults under instruction in them was 16,364 (15,624 men and 740 women) as against 6,689 during the preceding year. During this year 10,246 men and 396 women were made literate as against 5,404 men and 326 women in the preceding year.

The expenditure on Adult Education incurred by various Managements amounted to Rs. 1,15,090 as against Rs. 80,587 during the preceding year.

Training classes were conducted for the benefit of 50 students who volunteered to undertake Adult Education.

200 new Adult Schools were sanctioned during the month of January 1952 most of which could not be opened by the end of March 1952. They were however opened later.

62 Libraries for the Adults were opened in the Telangana area of the State.

There is a special Committee for Adult Education to advise on matters relating to Adult Education.

Non-Official Co-operation : In order to secure non-official co-operation in educational matters, the following committees have been formed with a non-official majority : Advisory Board of Education ; Special Committee for Basic Education ; Special Committee for Women's Education ; Special Committee for Adult Education ; Special Committee for Secondary Education ; Special Committee for Hindi Education.

HIGH SCHOOLS

CAMBRIDGE LOCAL CERTIFICATE SCHOOLS (5)

Mahbubia Girls' High School, Hyderabad (Dn.) (Govt.).
St. George's Grammar School, Hyderabad (Dn.) (Aided, Boys').
St. Patrick's European High School, Secunderabad, Hyderabad (Dn.) (Aided, Boys').
St. George's Girls' Seminary, Hyderabad (Dn.) (Aided, Girls').
St. Ann's Convent High School, Secunderabad (Dn.) (Aided, Girls').

HIGH SCHOOLS UNDER THE BOARD OF SECONDARY EDUCATION (125)

Government High Schools for Boys (62)

Collegiate High School, Hyderabad City.

" " " Chadarghat, Hyderabad (Dn.)

Public School, Begampett, Hyderabad.

Madrasa-I-Allya, Hyderabad.

The Darul Uloom High School, Hyderabad.

High School, Darush Shafa, ..
" " Chanchalguda, ..
" " Mustaidpura, ..
" " Kachiguda, ..
" " Goshia Mahal, ..
" " Sultan Bazar, ..
" " Chowk, ..
" " Nampalli, ..
" " (Mashki), Khairatabad, Hyderabad.
" " Secunderabad, Hyderabad.
" " Bolaram.
" " Medak.
" " Sangareddy (Medak Dist.).
" " Shidlipet " "
" " Nizamabad, " "
" " Mahbubnagar, " "
" " Narayanpet (Mahbubnagar).
" " Wanparthi, ..
" " Nalgonda.
" " Bhonglr (Nalgonda).
" " Suripet, ..
" " Maddoor, ..
" " Warangal.
" " Lashkar Bazar (Warangal).
" " Khammam ..
" " Madhra ..
" " Mahboobabad ..
" " Karimnagar, ..
" " Jagtial (Karimnagar).
" " Manthani, ..
" " Adilabad ..
" " Nirmal (Adilabad).
" " Chinnoor.

Collegiate High School, Gulbarga.

High School, Yadgir (Gulbarga).

" " Tandur, ..
" " Kodangal, ..
" " Shorapur, ..
" " Raichur ..
" " Gadwal (Raichur)
" " Gangawathi (Raichur)
" " Kopbal.
" " Bidar.
" " Yadgir (Bidar)
" " Osmanabad.
" " Latur (Osmanabad).
" " Tuljapur, ..

Collegiate High School, Aurangabad.

High School, Chelipura, ..

" " Jalna (Aurangabad).
" " Vaizapur, ..
" " Nanded.
" " Degloor (Nanded).
" " Parbhani.
" " Hingoli (Parbhani).
" " Beed.
" " Mominabad (Beed).

Government High Schools for Girls (22)

Zenana High School, Nampalli, Hyderabad (Dn.)

Girls' High School, Majidla, " "

City High School for Girls, " "

Girls' High School, Chadarghat, " "

" " " Kachiguda, " "

" " " Goshamahar, " "

" " " Hyderguda, " "

" " " Husaini Alam, " "

" " " Bolaram, " "

" " " Mahbubnagar, " "

" " " Nalgonda, " "

" " " Nizamabad, " "

" " " Hanamkonda, Warangal.

" " " Karimnagar

" " " Gulbarga.

" " " Bidar.

" " " Raichur.

" " " Aurangabad.

" " " Jalna (Aurangabad).

" " " Nanded.

" " " Parbhani.

" " " Beed.

Aided High Schools for Girls (39)

Madrasa-i-Aizza, Hyderabad.
 Madrasa-i-Aafia, Malakpet, Hyderabad.
 Musdul Anan High School, "
 Anwarul Uloom, Nampalli, "
 All Saints' High School, Chadarghat, Hyderabad.
 Vivek Vardhani High School, Gowliguda, "
 Keshav Memorial High School, Narayanguda.
 Dharamwant High School, Yakutpura, Hyderabad (Dn).
 Methodist High School, King Kothi Road, Hyderabad (Dn).
 Nrupatunga High School, Sultan Bazar, Hyderabad.
 Andhra Vidyalaya, Hyderabad.
 Refah-i-Aam, Hari Bowli, Hyderabad (Dn).
 Wesleyan Mission High School, Secunderabad.
 Mahbub College, "
 Sir William Barton Technical, "
 Islamia High School, "
 St. Mary's High School, "
 Islamiah High School, Matwada, (Warangal).
 Andhra Vidyarthi Vardhani, Matwada (Warangal).
 Vijay Vidyalaya (Methodist) High School, Gulbarga.
 Nutan Vidyalaya High School, Gulbarga.
 High School, Omerga (Osmanabad Dist.).
 Hamdard High School, Raichur.
 Marwadi Rajasthan Vidyalaya, Latur, Osmanabad.
 Saraswati Bhawan, Aurangabad.
 Maratha High School, Aurangabad.
 Church of Scotland Mission School, Jalna, Aurangabad.
 Sri Yogeshwari Nootan Vidyalaya, Mominabad (Beed).
 Nutan Prathmic Schlksalaya, Parbhani.
 Stanley Girls' High School, Hyderabad.
 Convent of the Most Holy Rosary, Hyderabad (Dn).
 Girls' High School, Narayanguda, Hyderabad (Dn).
 Vivek Vardhani Kanya Shala, Gowliguda, Hyderabad (Dn).
 Arabia Girls' High School, Moazzam Jahl Market, Balda.
 Keyes' High School, Secunderabad.
 St. Francis High School, Secunderabad.
 Wesleyan Girls' High School, Secunderabad.
 Nutan Vidyalaya Kanya Patshala, Gulbarga.
 Sharda Mandir High School.
Recognised Unaided High Schools for Boys :
 Preston Institute, Jangaon (Nalgonda).
 Mennonite High School, Mahbubnagar.

SPECIAL SCHOOLS (21)

Osmania Training College for Men, Balda (Govt.).
 Training School for Men, Balda (Govt.).
 Telugu Training School for Men, Mahbubnagar (Govt.).
 Telugu Training School for Men, Hanamkonda, Warangal (Govt.).
 Kannada Training School for Men, Raichur (Govt.).
 Marathi Training School for Men, Aurangabad (Govt.).
 Central Training School for Women, Balda (Govt.).
 Training School for Women, Mahbubnagar (Govt.).
 Training School for Women, Hanamkonda, Warangal (Govt.).
 Training School for Women, Raichur (Govt.).
 Training School for Women, Aurangabad (Govt.).
 W.M. Training School for Men, Medak.
 Gramaya Sikshanalya Methodist Teachers' Training School, Raichur.
 Most Holy Rosary Training School for Women, Hyderabad (Aided).
 Wesley Mission Normal School, for Women, Secunderabad (Aided).
 St. Francis Normal School for Women, Secunderabad (Aided).
 College of Physical Education for Men (Govt.).
 College of Physical Education for Women, Balda (Govt.).
 School for the Deaf, Dumb and the Blind, Balda (Boys').
 Criminal Tribes Schools (2).

TECHNICAL AND VOCATIONAL INSTITUTIONS

Osmania Technical College, Salfabad, Hyderabad, Deccan.
 Domestic Science Training College, Salfabad, Hyderabad Deccan.
 School of Commerce, Salfabad, Hyderabad, Deccan. (Co-educational Institution).
 School of Art, Hyderabad, Deccan. (Co-educational Institution).
 School of Music & Dance, Hyderabad, Deccan. (Co-educational Institution).
 Technical Training Centre, Kachiguda, Hyderabad, Deccan.
 Boys' Technical High School, Marredpally, Secunderabad.
 Boys' Technical High School, Dinabad, Warangal.
 Boys' Technical High School, Aurangabad.
 Agricultural School, Parbhani.
 Central Boys' Industrial School, Mallepalli Lines, Hyderabad, Deccan.
 Boys' Industrial School, Karimnagar.
 Boys' Industrial School, Nizamabad.
 Boys' Industrial School, Nirmal.
 Boys' Industrial School, Nanded.
 Boys' Industrial School, Parbhani.
 Boys' Industrial School, Jalna.
 Boys' Industrial School, Bhilr.
 Boys' Industrial School, Gulbarga.
 Boys' Industrial School, Raichur.
 Boys' Industrial School, Bidar.
 Girls' Vocational High School, Salfabad, Hyderabad Suburbs.
 Girls' Vocational High School, Osmanpura, Hyderabad City.

Girls' Industrial School, Hanamkonda, Warangal.
 Girls' Industrial School, Nizamabad.
 Girls' Industrial School, Aurangabad.
 Girls' Industrial School, Gulbarga.

ASSOCIATIONS

Hyderabad Women's Association for Educational & Social Advancement, Bashir Bagh Road, Hyderabad.
 Hyderabad Jagirdars' Association, Bashir Bagh, Hyderabad.
 Hyderabad Boy Scouts' Association, Narayanguda Road, Himayathnagar, Hyderabad.
 Hyderabad Bar Association, Hyderabad High Court, Hyderabad.
 Hyderabad Students' Union, Sultan Bazaar, Hyderabad.
 Hyderabad Manufacturers' Association, Dowlat Mansion, Begum Bazar, Hyderabad.
 Hyderabad Trades Association, Abid Road, Hyderabad.
 Hyderabad Economic Society, Mukkaram Jahl Road, Hyderabad.
 Hyderabad (Deccan) Chamber of Commerce, 171, Chapel Road, Hyderabad.
 Hyderabad Youths' Congress, Hashwat Gunj, Sultan Bazaar, Hyderabad.
 Hyderabad Shankaran & Valparan Association, Giyan Bagh, Hyderabad.
 Hyderabad Industrial Exhibition Committee, Mukarram Jahl Road, Hyderabad.
 Hyderabad Athletic Association, Narayanguda Road, Hyderabad.
 Indian Christian Association, Hyderabad.
 Institution of Engineers (India), Hyderabad Centre, Hyderabad.
 Osmania Graduates' Association, Mukkaram Jahl Road, Hyderabad.
 Oil Mills Owners' Association, Sultan Bazar, Hyderabad.
 Secunderabad Boy Scouts' Association, Alexandra Road, Secunderabad.
 Students' Union, Mahbub College, Secunderabad.
 Students' Union, Nizam College, Hyderabad.
 Young Men's Christian Association, Hyderabad Branch, Narayanguda Road, Hyderabad.
 Young Men's Christian Association, Secunderabad Branch, Alexandra Road, Secunderabad.
 Young Women's Christian Association, King Koti Road, Hyderabad.
 Young Women's Christian Association, Marrepalli Road, Secunderabad. Completed its 50th year of existence and celebrated its Golden Jubilee on 12th August, 1949. The new ventures of the Secunderabad Y.W.C.A. are :—

1. A free night school conducted in co-operation with the local Y.M.C.A.
2. To give opportunities to members to develop the very essential art of Public Speaking, the Toast Masters Club is organised. The other activities are Sports, Lectures, Cooking classes and devotional meetings, etc.

Hyderabad Branch of the Indian Conference of Social Work.
 Hyderabad Economic Association.
 Agricultural Co-operative Association.
 Hyderabad Social and Boating Association.
 Karnatak Sahitya Mandira Association, Lingampalli Road, Hyderabad.

Karnatak Sikshana Samiti, Abid Road, Hyderabad.
 Krishna Dev Raya Andhra Basha Nilayam, Sultan Bazaar, Hyderabad.
 Bal Hanuman Sangh, Gowliguda, Hyderabad.
 Young Men's Improvement Society.
 Maharashtra Mandal, Hyderabad.
 Hyderabad Olympic Association, Hyderabad.
 The Hyderabad Sea-Scout Troop Association.
 Hyderabad Football Association.
 Hyderabad Football Referees' Association.
 Hyderabad Karnatak Vidyarthi Seva Sangh.
 Young Men's Association, Allabad, Hyderabad.
 Hindusthani Culture Society, Hyderabad Branch.
 Mahila Navajivan Mandal.
 Nava Yuvak Seva Sangh.
 National Union of Students, Hyderabad.
 Hyderabad Music and Dance Academy.
 Gou Raksha Mandal, Hyderabad.
 Nizam College Old Boys' Association.
 Karnatak Mitra Mandal.
 Progressive Writers' Association.
 Premchand Society.
 Hindi Prachar Sabha.
 The Divine Life Society.
 Ramkrishna Parmahansa Vivekananda Samiti, Secunderabad.
 Andhra Saraswat Parishad.
 Anjuman-e-Taraqi Urdu.
 Aligarh Old Boys' Association.
 Sahitya Mahila Sangh.
 Sweetmeat Merchants' Association.
 Hyderabad Sheet Metal Manufacturers' and Workers' Association.
 Hyderabad Branch of Indian Medical Association.
 All Hyderabad Journalists' Association.
 Hyderabad Working Journalists' Union.
 Osmania University Teachers' Association.

Women's Food Council
 Women's Association for Social and Educational Advancement
 Karnatak Women's Association
 Hyderabad Art Society
 Women's Hospital Welfare Committee.
 Discharged Prisoners' Aid Society
 Hyderabad Teachers' Association
 Children's Aid Society
 Federation of Commerce & Industries, Sektarimbagh, Hyderabad
 Cloth Merchants' Association, Sultan Bazar, Hyderabad
 Grain Merchants' Association, Nizamshah Road, Hyderabad
 Grain and Seed Merchants Association, 874, Residency Road, Hyderabad

HYDERABAD STATE MEDICAL COUNCIL
 C/o Office of the Director, Medical & Health Services,
 Sultan Bazar, Hyderabad, Deccan

Nature of Body: Medical

Ex officio President Dr. I. D. Khatri, M.B.B.S. (Bom), F.R.C.I. (Lond), M.R.C.S. (Eng), D.F.M. (I'pool), D.I.H. (Lond), F.R.F. & S. (Glasgow), Director, Medical and Health Services, Hyderabad
Members Dr. M. K. Pandit, M.B.B.S. (Bom), M.I.C.I. (Edin), D.T.M. (I'pool), D.D. (Wales), Principal, Osmania Medical College (ex officio Member)

Dr. M. Y. Ansari, M.B.B.S. (Osm), M.P.C.S. (Eng), F.R.C.I. (Lond), D.D. (Edin) and Dr. S. P. Sahgal, M.B.B.S. (Bom) (Elected by the Medical Faculty, Osmania University)

Dr. Digambar Singh, Dip. for Assistant Surgeon (Hyd) and Dr. Shanker Rao, F.D.S. M.B.B.S. (Osm), F.R.C.I. (Lond), M.R.C.S. (Eng), M.R.C.I. (Edin) (Elected by registered medical practitioners)

Dr. (Mrs.) Shanti Satwolkar, M.B.B.S. (Pun), D.M. (Rotunfa), F.C.O. (Dublin) and Dr. P. Ramchander, M.B.B.S. (Mad), M.D. (Med) (Nominated by Govt.)

Dr. I. R. Deshpande, F.M.A.S. (Osm), F.C.P.A.S. (Bom), D.F.M. (Edin) (Representative of the Hyderabad Medical Association)

Registrar, Secretary and Treasurer Major L. L. Ross, F.A.M.C. (Ind), F.C.I. & S. (Bom)

SECUNDERABAD TRADERS ASSOCIATION

1st, Supers Street, Secunderabad (Dn)

Nature of Body: Commercial

President C. L. Patel

Vice President Rai Hukumchandra

Honorary Secretary and Treasurer I. R. Parikh

CHURCHES IN HYDERABAD STATE

Methodist Church in Southern Asia
 (Hyderabad Area)

The Methodist Church, Hyderabad, Deccan

Nature of Body: Religious

Bishop Rt. Rev. Bishop S. K. Mondol, D.D., F.D.

Church of South India

Bishop's House, Medak, Hyderabad State

There are two dioceses of the Church of South India in the State of Hyderabad. Medak Diocese has its Cathedral in Medak. It also includes the Churches in Secunderabad, Hyderabad and Trimalgherry. The other diocese is the Dornakal diocese which has its Cathedral in Dornakal.

Bishop in Medak, The Rt. Rev. Frank Whittaker, M.A.

The Hyderabad & Secunderabad D.C.C. Chairman The Rev. J. I. Westly, B.D.

The following are the Churches in the Medak Diocese

THE DIOCESAN OFFICE
 Secunderabad

The Rev. W. LeCato Edwards, B.A.

ST. GEORGE'S CHURCH
 Hyderabad

Chaplain, The Rev. C. E. W. Bellingham, M.A., Dip. Ed.

CHRIST CHURCH
 Hyderabad.

The Rev. S. Christodoss, B.A., B.D.

HINDUSTANI CHURCH
 Hyderabad

The Rev. T. R. Krishna Rao, B.D.

URDU EVANGELISTIC

Sister Kathleen H. Culshaw, B.A.

WESLEY CHURCH

Hyderabad

The Rev. J. P. Cotelingam, B.A.

ST. JOHN THE BAPTIST CHURCH

Secunderabad

(Christ Church, Talagulla)

The Rev. Canon I. C. Philip, M.A.

ST. THOMAS CHURCH

Secunderabad

The Rev. S. Christodoss, B.A., B.D.

ALL SAINTS CHURCH

Trimalgherry

Chaplain The Rev. S. Christodoss, B.A., B.D.

WESLEY CHURCH (Lond)

Secunderabad

The Rev. M. Arthur

WESLEY CHURCH (Lond)

Secunderabad

The Rev. M. Vidyamantham, B.D.

BOHARIUM

The Rev. M. Arthur

The Medak D.C.C. Chairman The Rev. F. I. Ananta Rao, B.D.

MEDAK CATHEDRAL PASTORAL

The Rev. M. G. Prakasham

EVANGELISTIC

Miss S. A. A. Anday

MEDAK CENTRAL

The Rev. J. W. Gallagher, B.A., B.D.

SARJANA

The Rev. M. Timothy

JEFFREDDY

The Rev. B. Manikam

SHANKARAMPETT

The Rev. B. C. W. Luck

PAPANNAPETT

The Rev. B. Samuel

KOILCHELIME

The Rev. A. Smith, B.D.

WADIARAM

The Rev. W. I. C. Edwards, B.A.

RAMANAPETT

The Rev. B. J. Johnson

SIDDIPETT

The Rev. P. Y. Luk, B.D.

CHOWTAKUR

The Rev. P. Prakasham

SANGAREDDY

The Rev. F. I. Ananta Rao, B.D.

The Godavari D.C.C. Chairman The Rev. I. P. Vasudass

DICHPAL & KAMAREDDY

The Rev. W. G. Cartledge

NADIPAL

The Rev. L. I. Israel

NIZAMABAD

The Rev. W. G. Cartledge

EVANGELISTIC

Miss M. English

ARMUR

The Rev. M. Y. Jeevaratnam.

DOODGAON (IBRAHIMPAINAM)

The Rev. E. P. Yesudass

SOAN

The Rev. P. A. Muthiah, B.A., B.D.

BOATH

The Rev. B. Eleazer.

KHANAPUR

The Rev. N. S. Matthew.

LUXETYPETT

The Rev. C. G. Early.

MANCHERIAL

The Rev. C. G. Early.

NIRMAL (S.I.M.S.)

The Rev. T. Ashirvadam.

NOTE : The following are under the direction of the Bishop :

A. M. Palmer, B.A., L.T., B.D.

T. Chinniah.

DIOCESE OF DORNAKAL

The following are the Churches in the Dornakal diocese:

Bishop in Dornakal : The Rt. Rev. A. B. Elliott, D.D.

Secretary, Diocesan Council, K. J. G. Sundaram.

Treasurer : Rev. J. L. Gortoth.

THE CATHEDRAL OF THE EPHIPHANY

Dornakal.

ST. MARY'S

Khammamett.

ST. JOHN'S

Ellandu.

ST. ANDREW'S

Kothagudum.

CHRIST CHURCH

Karimnagar.

There are other Churches at Jagtlal, Aler, Velugupalli, Nekonda, Dummagudem, Kazipet, Nidanapuram, Peddamupparam and Gopavaram. There are also another 20 buildings used chiefly for worship, and a large number of prayer houses also used as schools. None has permanent Chaplains but are ministered to by the pastor.

HOSPITALS IN HYDERABAD

Names of the hospitals with their addresses and names of the Doctors-in-Charge :

Osmania Hospital, Afzalgunj, Hyderabad : Dr. M. K. Pandit, M.B.B.S. (Bom.), M.R.C.P. (Edin.), D.T.M. (L'Pool), T.D.D. (Wales), F.R.F.P. & S. (Glasgow).

Victoria Zennana Hospital, Hyderabad Deccan : Dr. Mrs. Sumitrabai Shrikhande, M.B.B.S. (Bom.), D.C.O.G. (Lond.), M.M.S.A. (Lond.).

City Police Hospital, Malakpet, Hyderabad : Dr. I. Bhooshana Rao, M.B.B.S., M.D. (Andhra).

Golkonda Hospital, Golkonda, Hyderabad : Dr. Mohd. Maqbool Ali, B.A. (Osm.), L.R.C.P. (Lond.), M.R.C.S. (Eng.).

Sultan Bazar Hospital, Hyderabad Deccan : Dr. B. K. Naik, M.B.B.S. (Bom.), M.R.C.P. (Lond.), D.T.M. & H. (Eng.).

Chaderghat Hospital, Hyderabad Deccan : Dr. C. L. Modi, F.R.C.S. (Ire.).

King Edward VII Memorial Hospital, Secunderabad : Dr. V. G. Borgaonkar, M.B.B.S. (Bom.), L.R.C.P. (Lond.), M.R.C.S. (Eng.), L.M. (Rot.).

District Civil Hospital, Aurangabad : Dr. S. A. Razvi, M.B.B.S. (Bom.), L.R.C.P. (Lond.), M.R.C.S. (Eng.).

District Civil Hospital, Farbhani : Dr. V. S. Raghunathan, M.B.B.S., M.D. (Madras).

District Civil Hospital, Nanded : Dr. D. Shiva Rao, L.M. & S. (Hyd.).

District Civil Hospital, Beed : Dr. N. S. Ganesh, L.M. & S. (Hyd.).

District Civil Hospital, Gulbarga : Dr. Arifullah Qadri, L.R.C.P., L.R.C.S., F.R.F.P.S. (Edin.).

District Civil Hospital, Raichur : Dr. J. J. Dharma Raj, M.B.B.S., M.S. (Madras).

District Civil Hospital, Osmanabad : Dr. G. V. Alurkar, L.M. & S. (Hyd.).

District Civil Hospital, Bidar : Dr. M. A. Hafeez, L.M. & S. (Hyd.), L.R.C.P. (Lond.), M.R.C.S. (Eng.), L.M. (Rot.).

District Civil Hospital, Medak (Sangareddy) : Dr. Feroze Hussain, B.Sc., M.D., D.N.B. (America), L.R.C.P. (Edin.), L.R.F.P. & S. (Glas.).

District Civil Hospital, Mahboobnagar : Dr. Joseph Israel, L.M. & S. (Hyd.).

District Civil Hospital, Nizamabad : Dr. L. R. Deshpande, L.M. & S. (Hyd.), L.C.P.S. (Bom.), D.T.M. (Cal.).

District Civil Hospital, Nalgonda : Dr. Abdul Kalam Siddiqui, M.B.B.S. (Osm.), M.R.C.P. (Edin.).

District Civil Hospital, Warangal : Dr. B. Dayanand Rao, B.A., M.B.B.S., M.S. (Andhra).

District Civil Hospital, Karimnagar : Dr. N. R. V. Swamy, M.B.B.S. (Osm.), M.R.C.P. (Lond.).

District Civil Hospital, Adilabad : Dr. D. B. Narayan, L.M. & S. (Hyd.).

Mental Hospital, Jalna District Aurangabad : Dr. R. Natarajan, D.M. & S. (Mad.), M.R.C.P. (Edin.), D.F.M., R.O.P.S. (Eng.).

Tungabhadra Project Hospital, Munirabad (District Raichur) : Dr. Mir Mostquddin, M.B.B.S. (Osm.), M.R.C.P. (Edin.), F.R.F.P. & S. (Glas.).

Sarojini Devi Hospital, Assafnagar, Hyderabad Dn. : Dr. P. Ramchander, L.R.C.P. (Lond.), M.R.C.S. (Eng.), D.O.M.S. (Lond.).

Isolation Hospital, Lingumpally, Hyderabad : Dr. Syed Ali Medical Officer.

Isolation Hospital, Latur, Osmanabad. Dr. Charles Verma Butt, Leprosy Sanatorium, Osmanabad, Osmanabad : Dr. Paknider.

Victoria Leprosy Hospital, Dichpally (Aided), Nizamabad : Dr. E. J. Currant.

Narayanpet Leprosy Clinic, Narayanpet, Mahboobnagar : Dr. Dattatray Rao Jawlaker.

Leprosy Investigation & Treatment Centre, Zaheerabad, Bidar (Aided) : Dr. E. B. Christlan.

T.B. Hospital, Erramnuma, Hyderabad : Dr. Kanwalchander Superintendent.

T.B. Sanatorium, Vikarabad, Medak : Dr. Hakim Abdur Rahman, T.B. Sanatorium, Momnabad, Bhilr : Dr. G. R. Bajl, C.S.

Number of dispensaries (Unani and Ayurvedic) in the City of Hyderabad : 15.

Number of dispensaries in the Districts of the State : 142.

CLUBS

Secunderabad Club, Bolarum Road, Secunderabad.

Nizam Club, Public Gardens Road, Hyderabad.

Aligarh Old Boys' Club, Hyderabad.

Railway Recreation Club, Old Rifle Ranges, Secunderabad.

Lallaguda Railway Institute, Lallaguda, Secunderabad.

Hyderabad Catholic Institute, Gunfoundry, Hyderabad.

Hyderabad Boat Club, Hussainsagar Road, Hyderabad.

Secunderabad Boat Club, Hussainsagar Bund Road, Hyderabad.

The Deccan Club, Old Staff Lines, Secunderabad.

Lady Hydari Ladies Club, Bashir Bagh Road, Hyderabad.

Railway Institute, A. B. C. Blocks, Secunderabad.

Hyderabad Cricket Club, Hyderabad.

Secunderabad Cricket Club, Secunderabad.

Deccan Blues Cricket Club, Hyderabad.

Rotary Club, Salfabad, Hyderabad.

Hyderabad Table Tennis Association, Hyderabad.

"Buccaneers" Literary, Arts and Sports Club, Hyderabad.

Ideal Cricket Club, Hyderabad.

Hyderabad Swimming Club, Hyderabad.

HOTELS

Montgomery's Hotel, Oxford Street, Secunderabad.

Percy's Hotel, Alexandra Road, Secunderabad.

Viccaji's Hotel, Abid Road, Hyderabad.

Royal Hotel, Station Road, Nampalli, Hyderabad.

Kingsway Hotel, Kingsway, Secunderabad.

Rock Castle Hotel, Jubilee Hills, Hyderabad.

Aziz Hotel, Abid Road, Hyderabad.

Welcome Hotel, Kingsway, Secunderabad.

Taj Mahal Hotel, Oxford Street, Secunderabad.

White Hotel, Alexandra Road, Secunderabad.

Woodlands Hotel, Begumpet, Hyderabad.

John's Hotel, Hyderabad.

Grand Hotel, Abid Road, Hyderabad.

Madina Hotel, Pathernathli, Hyderabad.

Tourists' Home, Station Road, Aurangabad.

State Hotel, Aurangabad.

COMMERCIAL FIRMS IN HYDERABAD STATE

Abdul Basack Haji Shukoor, Merchant and Commission Agent, Secunderabad.
Abdul Rasack & Co., Chemists and Druggists, Charkaman, Hyderabad.

Adam Hajee Peer Mohamed Essack, Grain Merchant, Exporter and Importer, Nizam Sahi Road, Hyderabad.

Ahmed Aladin & Co., Khan Bahadur, Aerated & Ice Factory, Secunderabad.

Akkl, D. B., & Co., Gulberga.

Alemble Distributors Ltd., 542, Sultan Bazar, Hyderabad (Dn.).

All Mohamed Hashim Dorajiwala, General Merchant, Secunderabad.

Amman Bole Nagiah, Kerana Merchant, Secunderabad.

Ananthaswamy, M., Kerosene Oil and General Merchant, Secunderabad.

Azam Steam Press, Educational Printers, Moghulpura, Hyderabad.

Aziz & Co., Abid Road, Hyderabad (Dn.).

Badshah & Sons, Aerated Water Manufacturers, and Sole Agents for Vimto; Standard Works, Station Road, Hyderabad.

Balle Latchmiah & Sons, Hardware Merchants, Siddiambar Bazar, Hyderabad (Dn.).

Bankatall Loya, Proprietors: Prakash Button Factory, Chowral Sulaiman Jah, Hyderabad.

Barman Brothers, Sanitary and Civil Engineers & Contractors, Barman Building, Gunfoundry, Hyderabad (Dn.).

Basvaraj Sharanabassappa Appa & Sons, Yarn and Cloth Merchants, Secunderabad.

Bijjala Veeriah Gupta, Gold and Silver Merchant and Jeweller, Siddiambar Bazar, Hyderabad.

Bombay Cycle and Motor Agency of Secunderabad Ltd., Automobile Engineers and Distributors, Secunderabad.

Bulchand & Co., Abid Road, Hyderabad (Dn.).

Burjor Ardeshir & Co., Chirag Ali Lane, Hyderabad.

Central Bank of India Limited, Hyderabad (Dn.).

Ch. Legnalah & Sons, Burnmah-Shell Agents & Contractors, Kingsway, Secunderabad.

Chandulal T. Parikh & Co., Distributors, I.C.I. Colour Goods, Secunderabad.

Cheekoty Veerannah & Sons, Printers, General Merchants and Contractors, Secunderabad.

Chidura Vasudev Kantiah Srinivasulu & Co., Hardware Merchants, Bashirbag, Hyderabad.

Chinoy Challani & Co., Abid Road, Hyderabad.

Chotooram Jagadeah Pershad, General Merchants, Osman Gunj, Hyderabad.

Dacha Buchi Veeriah Ramalingam, Timber Merchant, Secunderabad.

Dandu Augiah Telkonti Balkrishtiah, Oil Mills, Secunderabad.

Dandu Balanarasiah & Sons, Hardware Merchants, Secunderabad.

Dastagir & Co., S. G., Registered Accountants and Auditors, Jam Bagh, Hyderabad.

Debonier, Interior Decorators and Furnishers, Proprietor: Mr. Hyath Hussain Khan, Nampally, Hyderabad.

Deccan Chronicle, 147, Sardar Patel Road, Secunderabad. Rates: Casual Rs. 4-8-0; Contract: Rs. 3.

Deccan Engineering and Refrigeration Co., 188, Kingsway, Secunderabad (Dn.).

Deccan Porcelain & Enamel Works Ltd., Bakaram, Hyderabad.

Deccan Wine and General Stores, Secunderabad.

Deen Dayal & Sons, Raja, State Photographers, Secunderabad.

Deen Dayal Indrumull, Jewellers, Houz, Hyderabad.

Deen, M. A., Auctioneers, Commission Agents and Contractors, Moazzam Jahi Market, Hyderabad.

Defiance Automobiles, Dealers in Motor Parts, Cars & Trucks, Secunderabad (Dn.).

Douglas Bros., 6802, Kingsway, Secunderabad. Distributors for P.Y.E. Radios.

Eamajee & Sons, D., Hardware and General Merchants, Afzalgunj, Hyderabad.

Eastern Federal Union Insurance Co., Bashir Bagh Road, Hyderabad.

Empire of India Life Assurance Co., Ltd., Branch Office: Abid Road, Hyderabad (Dn.).

G. RAGUNATHMULL BANK LTD., Hyderabad (Dn.). Tel. Address: "Singhvra." Telephone Nos. 4040 & 4041.

Branches at: Pathargatl, Hyderabad (Dn.), Secunderabad (Dn.), Kolhapur, Wanaparthi (Hyderabad State), Jodhpur, Rani, Sumerpur, Sojat Road (Greater Rajasthan), Oldest Banking Institution in the State, Tourist Agents, Recognised by the Government of India, approved Agents: International Air Transport Association and A.I.T.A. Agents for: Air India Ltd., Deccan Air Ways Ltd.; Trans World Air Ways; Air India International Ltd.; Pan American Air Ways; British Overseas Air Ways Corporation, K.L.M. Royal Dutch Air Ways, etc., etc.

Ganga Bishen Mohanlal, General Merchants and Bankers, Osman Gunj, Hyderabad.

General Stone Supplying Co., Shahbad Stone, Lime and Bricks, Moazzam Jahi, Market Road, Hyderabad.

Gopalkrishnah, Y. Laxmiah, Timber Merchant and Contractor, Secunderabad.

Gowrishanker, Mill Cloth Wholesale Merchant and Commission Agent, Osman Gunj, Hyderabad.

Gunda Augiah & Sons, Timber Merchants, Secunderabad.

Gubba Ramalingaharl Mallah, General Merchant and Commission Agent, Osman Gunj, Hyderabad.

H. Abbas Hussain Mulla Ehsan Ali, Siddi Amber Bazar, Hyderabad (Dn.).

Habib Radio Co., Abid Road, Hyderabad (Dn.).

Habib Ahmed Khan, General Contractor, 88, Public Garden Road, Hyderabad.

Haji Abdul Sathar Ismail, Kerana Merchants, Secunderabad.

Haji Ahmed Haji Ismail Lace Merchants and Embroiderers, Lad Bazar, Hyderabad.

Haji Dada Haji Abba, Gold Lace Merchant, Lad Bazar, Hyderabad.

Haji Razack Haji Mohd. Saya, Nizam Sahi Road, Hyderabad (Dn.).

Hindustan Co-operative Insurance Society Ltd., 113, Station Road, Hyderabad (Dn.).

Hiranand Ramsukh, Commission Agent, Maharaj Gunj, Hyderabad.

Hussaini Stores, Madan Building, Hyderabad (Dn.).

Hyderabad Agricultural Marketing Co., Gunfoundry, Hyderabad.

Hyderabad Button Factory, Charminar, Hyderabad.

HYDERABAD CHEMICAL AND PHARMACEUTICAL WORKS LTD., The Largest Manufacturers of "Aether Sulphuric" in India, P.O. Box No. 182, Azamabad, Hyderabad (Dn.).

Hyderabad Commercial Corporation Ltd., Station Road, Nampally, Hyderabad.

Hyderabad Construction Co., Ltd., Secunderabad.

Hyderabad Skins and Hides Tanneries, Bakaram, Hyderabad.

Hyderabad Starch Products, Ltd., Azamabad, Hyderabad.

Hyderabad Steel and Wire Products Ltd., Domalguda, Hyderabad.

Hyderabad Bank Ltd., Nizamshahi Road, Hyderabad (Dn.).

Hyderabad Asbestos Cement Products Ltd., Sanatnagar, Hyderabad (Dn.).

Hyderabad Chemicals & Fertilizers Ltd., Belampalli (N.S.R.).

Hyderabad Allwyn Metal Works Ltd., Factory: Samatnagar, Hyderabad (India).

The Hyderabad Investment Syndicate Limited, Shahrah-E-Osmani, Hyderabad (Dn.).

Indian Iron and Steel Corporation, Kingsway, Secunderabad. Controlled Stockists and Structural Engineers.

Ishaq & Sons, H. M., Installers of Loud Speakers and General Merchants, Secunderabad.

Jalal Mian, H. M., Hardware Merchants, Afzal Gunj, Hyderabad.

J. C. Pinto & Co., Newspaper Agents & Tailors & Outfitters, 113/1, Sarojinidevi Road, Secunderabad (Dn.). Telegrams: "Plutoooo." Phone: 7372.

Jamnalal Bansilal, Kirana Merchants and Commission Agents, Begum Bazar, Hyderabad.

Jethmal Mundada, Stock and Share Brokers, Sultan Bazar, Hyderabad.

Kareem & Sons, J. A., General Merchants, Secunderabad.

Khadleria Karkhana, Suppliers of Samane Taqurreeb, Kasaratta, Hyderabad.

Komma Veeriah & Sons, Importers, Papers and General Goods, Tobacco Bazar, Secunderabad (Dn.).

Koniyalal Buchiah, Pandura Pundaricium, Bankers and Gold and Silver Merchants, Siddiambar Bazar, Hyderabad.

Kooshappa Thakur Shah Chavan, Yarn Merchant, Secunderabad.

Kylasa Sarbhayya, Paint and Dye Merchant, Secunderabad.

Kylasa Veeriah Chitambariah, Bombay Cloth Merchant and Agent, Secunderabad.

Lalji Meghji, Iron Merchant, Secunderabad.

Leslie Gay & Co., Chemists and Druggists, Station Road, Hyderabad (Dn.).

Light House Talkies, Gunfoundry, Hyderabad (Dn.).

Madan Gopal Jamnalal, Kerana Merchant, Begum Bazar, Hyderabad.

Madanlal Brothers, Stock and Share Brokers, General Merchants and Managing Agents, The Hyderabad Bulletin Ltd., Begumpet, Hyderabad.

Madhav Rao & Sons, Furnishers and Decorators, Secunderabad.

Madras Cycle & Motor Mart, 7036, James Street, Secunderabad (Dn.). Authorised Ford Dealers.

Majestic Radio House, Gunfoundry Road, Hyderabad (Dn.).

Meer Husain & Son, General Merchant, Abid Road, Hyderabad.

Mehta, D. J., Wine, Provision and General Merchant, Secunderabad.

Mohamed Ali & Brothers, Fruit Merchants, Moazzam Jahi Market, Hyderabad.

Mohamed Ali & Sons, Furniture Dealers and Curio Merchants, Secunderabad.

Mohamed Noorullah & Peddy Shivralliah, Hardware Merchants, Afzal Gunj, Hyderabad.

Mohamed Yahya Mohd. Ibrahim, General Merchant and Commission Agent, Shahrah-Osmani, Hyderabad.

Mohamed Younus & Sons, General Merchants, Abid Road, Hyderabad.

Mohanlal Nalani, Yarn and Colour Merchant, Secunderabad.

Mudliar & Co., General Merchants, Abid Road, Hyderabad.
 Mulla Abdul Kader Mulla Fida Ali, Petrol Merchant, Khulratnabad, Hyderabad (Dn.).
 Nagindas Chunilal, Benares Sarcea and Gold Lace Merchants, Lad Bazar, Hyderabad.
 Nanakram Bhagwandass, Provision Merchants, Osman Gunj, Hyderabad.
 National Pharmacy, 8733, Imperial Post Office Lane, Abid Road, Hyderabad (Dn.).
 National Sanitary Engineering Co., Secunderabad.
 National Soap Factory, Secunderabad.
 National Trading Agencies, Secunderabad.
 Peer Mohamed & Co., Sha-Rah-Osmani, Hyderabad.
 Peer Mohamed & Co., Stockists of Charminar Brand Shahabad Cement, Secunderabad.

Raja Deen Dayal & Sons, State Photographers, Secunderabad.
 Radio Talkie House and Educational Films Guild, opp. State Bank, Gunfoundry, Hyderabad (Dn.).
 Ramannah & Sons, K. B., Hardware and General Merchants, Secunderabad.
 Ramashwar K. Anjliah, Hardware Merchant, Afzal Gunj, Hyderabad.
 Ramaswamy & Sons, Hardware Merchants, Secunderabad.
 Row Ponde & Co., 148, Kingsway, Secunderabad.
 R. R. Gopal, Cloth Merchants, Pathergatti, Hyderabad.
 Salarjung Sugar Mills Ltd., 499/A-2, New Road, Bashir Bagh, Hyderabad (Dn.).
 Sebastian & Sons, G. E. C. Radio Distributors, 113, Oxford Street, Secunderabad.
 Secunderabad Trading Co., Iron and Steel Merchants, Secunderabad.

Standard-Vacuum Oil Co., Marketers of Stanvac Petroleum Products, 2538, Kingsway, Post Bag No. 5, Secunderabad (Dn.).
 Syed Abdul Khadar & Sons, Booksellers, Machlikaman, Hyderabad.
 Syed Mohamed Sayeeduddin, Hardware Merchant, Siddlambar Bazar, Hyderabad.
 Taj Clay Works Ltd., Tiles, Porcelain and Chinaware Factory, Husain Sagar, Tank Road, Hyderabad.
 Tayeb Ali & Sons, Furniture Dealers, Secunderabad.
 Tayeb Ali Haji, Government Electrical Contractor and High Class Aerated Water Manufacturer, Charkaman, Hyderabad.
 Totaram Ramgus Brothers, Abid Road, Hyderabad (Dn.).
 Vishwanath Dayaram Jahl, Cloth and Yarn Merchant and Commission Agent, Secunderabad.
 Zimat Store, 203, Abid Road, Hyderabad (Dn.)

TRADES & PROFESSIONS

ACCOUNTANTS & AUDITORS

G. M. Oka & Co.—508, Sultan Bazar, Hyderabad (Dn.).

AUTOMOBILE DEALERS

Bombay Cycle and Motor Agency Ltd., Automobile Engineers and Distributors, Secunderabad.
 Dehance Automobiles, Mehta Mahal, James Street, Secunderabad (Dn.).

BISCUIT MANUFACTURERS

J. B. MANGHARAM & CO., Tank Bund, Hyderabad (Dn.).

BOOK SELLERS AND PUBLISHERS

Premier Publicity Co., Kasaratta Road, Hyderabad 2.

BOOT & SHOE MAKERS & DEALERS

John Lee & Co., Kingsway, Secunderabad (Dn.), Boots and Shoe Makers.

BULLION

Amlockchand Umedmull, Abid Road, Hyderabad (Dn.).

BUTTON MFRS.

OZA & CO., Kasaratta Road, Hyderabad (Dn.). Manufacturers of Buttons, Buckles, Badges, etc. Electroplaters, Govt. Contractors, Importers, Exporters, Dealers in non-ferrous Metals, Chemicals, Machinery, etc. Grams: "OZA."

CHEMISTS AND DRUGGISTS

Abdur Razack & Co., Chemists and Druggists, Charkaman, Hyderabad.

CHUNNILAL DAYALDAS, Post Box 5, Hyderabad 2; Importers, Exporters & Stockists for Country Drugs, Aromatic Chemicals, Perfumery Compounds, Essential Oils, Capsules, Empty glass bottles and other Toilet requisites.

Hyderabad Chemical and Pharmaceutical Works Ltd., Azamabad, Hyderabad.

Syed Abdul Razack & Co., Hyderabad (Dn.).

CLOTH MERCHANTS

Basvaraj Sharanbasappa Appa & Sons, Yarn and Cloth Merchants, Secunderabad.

Chindura Kantilal Durwasulu, Cloth Merchant, Secunderabad.

Gopal, B. B., Cloth Merchant, Pathergatti, Hyderabad.

Gowrishanker, Mill Cloth Wholesale Merchant and Commission Agent, Secunderabad.

Koosappa Thakur Shah Chavan, Yarn Merchant, Secunderabad.

Kylasa Veeriah Chitambariah, Bombay Cloth Merchant and Commission Agent, Secunderabad.

Mohanlal Malani, Yarn and Colour Merchant, Secunderabad.

Vishwanath Dayaram Jahl, Cloth and Yarn Merchant and Commission Agent, Secunderabad.

CONFECTIONERS

John & Co., Abid Road, Hyderabad (Dn.)

Rose Biscuits Works, Hyderabad (Dn.).

Star Confectionery Works, Esaman Bazar, Hyderabad (Dn.).

ELECTRICAL ACCESSORIES

Bashir, G. M. & Co., Elda Building, Osmania Bazar, Hyderabad (Dn.). Grams: "TRADESKEY".

FURNITURE DEALERS & MANUFACTURERS

Godrej, Godrej & Boyce Mfg. Co. Ltd., 1239, Abid Road, Hyderabad.

GENERAL MERCHANTS AND COMMISSION AGENTS

Abdul Razack Haji Shukoor, Merchant and Commission Agent, Secunderabad.

Ali Mohamed Hashim Dorajiwala, General Merchant, Secunderabad.

Chotooram Jagadish, General Merchant, Begum Bazar, Hyderabad.
 Deccan Agencies, 35, Ghasmandy Road, Post Box No. 57, Secunderabad (Dn.).

Deen, M. A., Auctioneer, Commission Agent and Contractor, Mozazzam Jahl Market, Hyderabad.

Gubba Ramalingiah Gari Malliah, General Merchant and Commission Agent, Osman Gunj, Hyderabad.

Hitanand Ramsukh, Commission Agent, Maharaj Gunj, Hyderabad.

Kareem & Sons, J. A., General Merchants, Abid Road, Secunderabad.

M. Ananth Swamy, 17, Mahakall Street, Secunderabad (Dn.).

Meer Hassan & Sons, General Merchants, Abid Road, Hyderabad.

Mohamed Yahya Mohamed Ibrahim, General Merchant and Commission Agent, Shahrah-Osmani, Hyderabad.

GLASS

Taj Glass Works Ltd., Sanatnagar, Hyderabad (Dn.)

HARDWARE DEALERS AND IRONMONGERS

Baile Latchmiah & Sons, Hardware Merchants, Siddlambar Bazar, Hyderabad (Dn.).

Chindura Vasudev Kantiah Sreenivasulu & Co., Hardware Merchants, Bashir Bagh Road, Hyderabad.

Dandu Balanarasiah & Sons, Hardware Merchants, Secunderabad.

Deccan Agencies, 35, Ghasmandy Road, P. O. Box No. 57, Secunderabad (Dn.).

Eamajee & Sons, D., Hardware & General Merchants, Afzal Gunj, Hyderabad.

Jalal Mian, H. M., Hardware Merchant, Afzal Gunj, Hyderabad.

Lalji Meghji, Iron Merchant, Secunderabad.

National Tube Co., Pipe and Hardware Merchants and Military Contractors, Secunderabad.

Ramannah & Sons, K. B., Hardware and General Merchants, Secunderabad.

Rameshwar K. Anjliah, Hardware Merchant, Secunderabad.

Secunderabad Trading Co., Iron and Steel Merchants, Secunderabad.

Syed Mohamed Sayaduddin, Hardware Merchant, Siddlambar Bazar, Hyderabad.

HOSPITAL EQUIPMENT & SUPPLIES

Godrej, Godrej & Boyce Mfg. Co. Ltd, 1239, Abid Road, Hyderabad.

HURRICANE LANTERNS

Bashir, G. M. & Co., Fida Building, Osmania Bazar, Hyderabad (Dn.).
Grams: " Tradeskey ".

LOCKS & SAFE MERCHANTS

Godrej, Godrej & Boyce Mfg. Co. Ltd, 1239, Abid Road, Hyderabad.

MATCH FACTORIES

Aasifa Match Works, Nizam's State.
Badrudin Match Works, Nizam's State.
Deccan Match Works, Vizapur, Nizam's State.
Hyderabad Match Works, Nizam's State.
Krishna Match Works, Nizam's State.
Nizamia Match Co., Bakaram, Hyderabad (Dn.).
The Osmania Match Factory, Secunderabad.
The Royal Match Works, Nizam's State.
The Swastik Match Works, Nizam's State.
The Vishnu Match Co., Adikkamet, Hyderabad (Dn.).
The Zenith Match Factory, Chikkatpalli, Industrial Area, Hyderabad (Dn.).

METAL MANUFACTURERS & MERCHANTS

Hyderabad Allwyn Metal Works Ltd, Factory Sanatnagar, Hyderabad (India)

MANUFACTURERS' REPRESENTATIVES

Bashir, G. M. & Co., Fida Building, Osmania Bazar, Hyderabad (Dn.).
Grams: " Tradeskey ".

INDIA STAR

Manufacturing Confectioners

Isamia Bazar

HYDERABAD (Dn.).

NEWSPAPERS

Rainbow English Illustrated Weekly, Estd. 1944. Editor & Publisher, S. N. Shastri. Phone. 7368. Grams: " Rainbow ", Secunderabad.

PHARMACEUTICALS

Industrial Enterprises Ltd., Char Kaman, Hyderabad (Dn.).

PHOTOGRAPHERS

Raja Deen Dayal & Sons, State Photographers, Secunderabad (Dn.).

PHOTOGRAPHIC MATERIALS

Central Studio, Prem Mansion, Bashir Bagh Road, Hyderabad (Dn.).

PIPE AND PIPE FITTINGS MERCHANTS

Deccan Agencies, 35, Ghasmandy Road, P. O. Box No. 57, Secunderabad (Dn.).

Sait S. H. Ismailjee, Ismail Building, Afzal Gunj, Hyderabad (Dn.).

RAW MATERIALS DEALERS

ARVIND & CO., P.O. Box No. 10, Hyderabad 2. Industrial Equipment and Supplies; Specialists in Electroplating Chemicals, Government & Railway Suppliers.

SANITARY ENGINEERS & CONTRACTORS

Barman Brothers, Barman Building, Gunfoundry, Hyderabad (Dn.).

SOAP FACTORIES

Godrej, Godrej Soaps Ltd, 1239, Abid Road, Hyderabad.

SPINNING & WEAVING MILLS

Aurangabad Mills, Ltd., Aurangabad. Messrs. Gupta & Sons, Agents, Empire House, Hornby Road, Fort, Bombay. Mills at Aurangabad. Spindles 11,538, Looms 271.

Azam Jahl Mills, Ltd., Warrangal, The Industrial Trust Fund, Government of Hyderabad, Agents, 159, Gunfoundry Road, Hyderabad (Dn.). Spindles 19,944, Looms 440.

Mahaboob Shahi Kulburga Mills Co., Ltd., Gulbarga. Messrs. Dayaram Surajmal Lahoti, Agents, Begumpet (Dn.). Spindles 27,764, Looms 598.

Osmanshahi Mills, Ltd., Nanded, The Industrial Trust Fund, Government of Hyderabad, Agents, 159, Gunfoundry Road, Hyderabad (Dn.). Spindles 26,016, Looms 668.

THE DEWAN BAHADUR RAMGOPAL MILLS, LTD., Secunderabad (Dn.). Messrs. Lachminarayan Ramgopal & Son, Ltd., Agents, Post Box No. 5, Secunderabad (Dn.). Spindles 24,416, Looms 585.

STATIONERS

Osmania General Agency, 87, Klingway, Secunderabad (Dn.).

SURGICAL INSTRUMENTS

Pearl Surgical Dressings Works, Industrial Area, Azamabad, Post Box No. 120, Hyderabad (Dn.).

JAMMU AND KASHMIR STATE

AREA: 92,780 sq. miles, Population: 4.41 millions (1951), Capital Srinagar.

The Jammu and Kashmir State constituting the extreme western section of the Himalayas, lies between 32°17' and 36°58' north latitude, and 73°28' and 80°30' east longitude. The total area of the State is 92,780 sq. miles—65 sq. miles less than the area of Hyderabad, and the population 4,410,000 with an average density of 48 per sq. mile. For administrative purposes, the State is divided into three provinces: Kashmir, Jammu and the Frontier.

Non-Muslims form about 23 per cent of the total population—a percentage slightly higher than the one which Muslims formed in India before the partition. Culturally both Muslims and Hindus belong to the same group. Consequently, they speak the same language and have common customs and conventions, and sometimes even places of common worship.

About 10.3 per cent of the total population is urban. There are 2 cities, 37 towns and 8,740 villages in the whole State.

In recent years, the State has made all round progress. To give a fillip to State Trade, a network of Kashmir Arts & Crafts Emporia has been established in important cities in India. These account for Kashmir goods worth about 17 lakhs annually. The State owns a transport fleet of nearly 500 vehicles. Distribution of essential commodities within the State is made mostly through multi-purpose co-operative societies. This has resulted in all areas of the State being fully served with essential supplies and elimination of the black market. The State runs two Radio Stations in Srinagar and Jammu. From the point of literacy, the State is well ahead of many former States in India, with a University of its own established in 1949. In 1951, there were 2,216 educational institutions in the State including seven colleges, one of them being exclusively for women. A Kashmiri script has been evolved for the first time in history. Text books in Kashmiri have been introduced in elementary schools.

The State occupies an important position in the political geography of India as it has common frontiers with China, the U.S.S.R., Pakistan and Afghanistan.

EARLY HISTORY

About the beginning of the 14th century Rentshen Shah, a Buddhist fugitive from Tibet happened to capture power and occupy the throne of Kashmir. He then wanted to change his religion and adopt Hinduism. The Brahmins of the State refused to accede to his request. He therefore embraced Islam, and started a regular campaign to kill the Brahmins.

After Rentshen Shah came a long succession of Sultans who, for more than two centuries, ruled Kashmir with an iron hand. They were followed by the Mughals. Then the Afghans captured power in 1750. In 1819 the Afghans were ousted by the Sikhs.

Gulab Singh, the great great grandfather of the present Sadar-i-Riyasat, Karan Singh, ascended the throne in 1846. Gulab Singh was one of the most important generals in Maharaja Ranjit Singh's army, and after Ranjit Singh's death, became the Prime Minister of the Sikh dominion. At the time he had absolute control over Jammu, Ladakh and other adjoining territories and had spread his conquests to Kashmir to the extent that by 1846 he was the virtual ruler of that land. That year, in return for his neutrality during the Sikh wars and also for the payment of a small sum of Rs. 75,00,000, the British signed a treaty with him whereby they recognized his sovereignty over Kashmir. This treaty is called the Treaty of Amritsar. It is against this treaty which is described as a sale deed that sentiment in Kashmir is very strong and that the ex-Prime Minister of Kashmir Sheikh Mohammad Abdullah led an agitation.

AGRICULTURE

Kashmir State has a delightful climate, though winter months are very cold. The maximum recorded temperature of the Kashmir Valley is 99.3 degrees and the minimum 11°. In Jammu the temperature in summer goes up to 115°, or sometimes even higher, but comes down to 30° and even to 20° during winter in some parts of the State. The average rainfall for the whole of the State is 28.45".

Forests hold an important place in the economy of the State. They yield fine wood of many varieties, medicinal herbs and also provide game and fodder for the cattle. The forest operations do not extend to the Frontier Province which forms three-fourths of the total area of the State. In the two remaining provinces, 10,865 sq. miles or about 50 per cent of their total areas constitute forest land.

Agriculture is the main occupation of the people. But the soil is not very fertile. Only 5.6 per cent of the total area is cultivable, and the remaining portion is full of mountains and deserts. The total amount of land actually under cultivation in the State is about 2,300,000 acres. The main crops grown are rice and maize, and in Jammu wheat and maize. The State on the whole is deficit with regard to food supply.

The Government passed the 'Big Landed Estates Abolition Act' in 1951, by virtue of which the right of ownership held by a landlord owning more than 22½ acres is extinguished and is thereafter vested in tillers of such lands. In pursuance of this Act, the Government has distributed the land held by big landlords (as defined in the Act) among the tillers and thus landlordism, to a large extent, has been abolished in the State.

The Land Compensation Committee appointed by the Constituent Assembly presented its report to the Assembly in the last week of March 1953. The Constituent Assembly accepted its recommendations and unanimously passed a resolution on March 31, 1953, that no compensation be paid for land expropriated under the Big Landed Estates Abolition Act.

INDUSTRY, MINERALS

Woollen textile manufacturing is the biggest single industry in the State. It gives employment to about 800,000 people, including both part-time and whole time workers. Kashmir woollens, such as shawls, carpets, namdas and gabhas have a world-wide popularity. During the 18th and 19th centuries especially Kashmir shawls had a wide demand in England, and, as it was expressed at the time, 'adorned the proudest beauties in Europe and the rest of the world.'

Next in importance comes the silk industry. Kashmir filatures are the largest in the world for a single unit of production, and produce one of the finest quality silks.

Papier-mache, silver-ware, and wood-carving are among the other minor industries of the State.

Woollen manufactures, silks, forest products such as timber, herbs, some chemicals, furs and skins, and fruit and vegetables are the main items of export, whereas foodstuffs, textiles, sugar and tea, spices and hardware form the main imports into the State.

The following is a list of the minerals found in the State: Coal, Lignite (possibilities of petroleum), Bauxite, Iron ore, Copper ore, Lead, Zinc, Nickel ore, Manganese, Gold, Arsenic, Chromite, Ochre, Gypsum, Graphite, Kaoline, Bentonite, Fuller's Earth, Marble, Slate, Steatite, Serpentine, Barytes, Corundum (Sapphire and Ruby), Beryl and Aquamarine and Tour-mallin. There are other minerals too, suitable for glass manufacture. But it is not known, whether the exploitation of all these minerals is an economic proposition. Coal, Lignite and Iron ore and some other minerals are supposed to be in existence in fairly large quantities.

Tourist traffic is one of the main sources of income both to the State and the people. It is estimated that before the trouble started in Kashmir, about 40,000 people used to visit that place annually, spending about Rs. 1,50,00,000 during their stay of a few months in the Valley. Great efforts are now being made by the State to develop this traffic to the maximum possible extent.

To evolve an integrated plan for the progress and prosperity of the State, the Government set up a Planning Committee. A Five-Year Plan for the development of the State has been prepared. The total expenditure under the Plan is estimated at Rs. 13 crores—7 crores will be met from Central Assistance Programme and 3 crores from the State Revenues.

TRANSPORT

The total mileage of roads maintained by the P.W.D. is about 2,650, out of which 562 miles are metalled, 620 unmetalled and the remaining mileage bridge paths. The Five-Year Plan provides for the construction of 233 miles of new roads and upgrading of 225 miles of existing roads. Jammu is connected with Srinagar by a fine motorable road of 203 miles. Being navigable, the rivers in Kashmir Valley play a great part as means of transport.

The Pathankot-Jammu road, 65 miles long, built in three months at a cost of about Rs. 3,00,00,000, was opened for traffic by the Prime Minister of India, on July 7, 1948. Considering the sort of country in which it was built the road is regarded as a very remarkable feat of engineering. Three important bridges on the road, 2,800 ft., 2,000 ft., and 1,000 ft. long were also declared open on July 7, 1948.

For the 1953-54 budget receipts were estimated at Rs. 479.54 lakhs and expenditure at Rs. 469.01 lakhs.

A sum of Rs. 65.35 lakhs was provided for capital expenditure. Besides this, provision was made for Rs. 204.13 lakhs under the 7-crore part of the Five-Year Plan by debit to funds provided from Central assistance.

The main sources of income are customs,* land revenue, forests, profits of silk reeling (which is a State monopoly), courts, etc., and the main items of expenditure are salaries, public utility works, education, sanitation, irrigation, electricity, etc.

POLITICAL SET-UP

Kashmir acceded to India on October 26, 1947. Simultaneously, to fulfil one of the conditions of the acceptance of accession by the Government of India, the Maharaja invited Sheikh Mohammad Abdullah, President of the All Jammu and Kashmir National Conference, to form an Interim Government, and to carry on the administration of the State. The Interim Government later changed into a full-fledged Cabinet, with Sheikh Abdullah as the first popular Prime Minister.

The Maharaja withdrew from the State and handed over power to his 21-year old son who was to act during his absence as a constitutional ruler. The latter, Yuvraj Karan Singh, formally took over from his father on June 20, 1949.

For the first time in history, the people of Kashmir elected a sovereign Constituent Assembly which met in Srinagar in October-November 1951. The Constituent Assembly had before it four main tasks, (1) to devise a Constitution for the future governance of the country, (2) to decide the future of the ruling dynasty, (3) to decide whether or not compensation should be paid to the landlords whose lands had been transferred to the tillers and (4) to declare its mind on the future affiliations of the State.

On November 20, 1951 was promulgated the Jammu and Kashmir Constitution (Amendment) Act which amends 42 Sections of 78 clauses of the old constitution. By this the State attained complete and unfettered responsible democratic government.

* Now abolished. See below.

The new enactment transferred power from the ruler to the popular Government and gave legal recognition to the principle of full, responsible Government which, in theory only, was enforced by the Maharaja's proclamation of March 5, 1948.

Independence of the judiciary was fortified further by extending the normal tenure in keeping with the law in other parts of India. The Board of Judicial Advisers was retained.

The enactment also amended the oaths of office for Ministers and Judges. Unlike the old oath, under which one had to swear and owe allegiance to the Maharaja, his heirs and successors, the new one specified allegiance to "the Constitution of the State as by law established."

The amended Constitution authorised the Constituent Assembly to convert itself or set up another body to discharge the functions of the State Legislature until the new one was elected. The Government would be collectively responsible to that Assembly which would be unrestricted in its powers. The Legislature will have the right to legislate for all parts of the State, even Azad Kashmir. The Government has been given extra territorial jurisdiction not enjoyed by any other State in India.

The report of the Basic Principles Committee was presented to the Constituent Assembly on June 10, 1952. On June 12, the Assembly adopted the recommendations of the Committee and passed a resolution terminating hereditary rulership in the State and making the office of the Head of the State (Sadar-i-Riyasat) elective. The resolution added:

"The Head of the State shall be a person recognised by the President of the Union on the recommendation of the Legislative Assembly of the State."

The resolution fixed the term of the office of the Sadar-i-Riyasat at five years. On 14th November, 1952, the Legislative Assembly elected Yuvraj Karan Singh as the first Sadar-i-Riyasat. He was sworn in on November 17, 1952.

The constitutional position of Kashmir is now based on the Delhi Agreement between Mr. Nehru and Sheikh Abdullah concluded in 1952 July.

The provisions as set forth by the Drafting Committee were accepted by the Kashmir Constituent Assembly on February 15, 1954.

They were to be brought into force through an order of the President under Article 370 of the Indian Constitution on April 13.

Kashmir is now legally a part of India while retaining certain autonomous rights. The division of powers between the Centre and the State are clearly demarcated and there is no concurrent list. Residuary powers vest with the State. The emergency powers of the President will be exercised only on the advice of the State Government. Though citizens of Kashmir will be citizens of India also, within the State they enjoy a special position in respect of Government service and purchase of immovable property.

The Supreme Court of India will serve as the Appellate Court for Kashmir. It will have the power to interpret the constitution of the State. It will thus have the power to enforce the fundamental rights accepted by the State—rights with safeguards for land reforms and such security measures as the Public Security Act.

As in the rest of India the Centre and not the State will levy income tax and certain excises, and also customs duties.

SADAR-I-RIYASAT

Sadar-i-Riyasat, Yuvraj Karan Singh.
Military Secretary, Col Ghulam Qadir
Secretary, Rajkumar Shivdev Singh

COUNCIL OF MINISTERS

Prime Minister, Bakshi Ghulam Mohanmud.
Health, G. M. Sadiq.
Finance, Pandit Girdhari Lal Dogra.
Development, Pandit Sham Lal Saraf
Revenue, Mir Qasim
Education, Sardar Budh Singh.

DEPUTY MINISTERS

Home, D. P. Dhar.
Ludakh Affairs, Kaushak Bakula.
Education, Health, Ghulam Rasul Renzu.
Development, Asadullah Mir.
Revenue, Major Piar Singh.

SECRETARIES

Chief Secretary, M. K. Kidwai.
Private Secretary to P. M., R. C. Raina.
Law, Badri Nath.
General, A. A. Fazili.
Home, Sarendar Singh
Education and Health, Ghulam Mohammed.
Finance, Ram Lal Gupta.
Development, Abdul Rashid
Revenue, N. Aga
Works, Power, Irrigation, Planning, P. N. Chakur.

HEADS OF DEPARTMENTS

Inspector General of Police, Baldev Singh Samyal
Accountant General, Ghulam Ahmed.
Director of Industries and Commerce, T. C. Wazir.
Transport Controller, S. M. Aga.
Director of Information and Broadcasting, J. N. Bhan.
Director of Veterinary, V. L. Wazir.
Chief Conservator of Forests, Harnam Singh Pathania.
Registrar of Co-op Societies and Director, Rural Development, Syed Ahmed.
Inspector General of Excise and Customs, Nil Kanth.
Director, Visitors' Bureau, B. L. Jalali.
Supdt. Archaeology, Research, T. N. Kazanchi
Chief Engineer, D. N. Gupta.
Chief Engineer, Electrical and Mechanical, R. S. Jainwal.

OTHER OFFICIALS

Commandant, J and K Additional Police, G. R. Thappa
Chief Medical Officer, Jammu, S. S. Gupta.
Chief Medical Officer, Kashmir, Ghulam Ahmed.
Chairman, Public Service Commission, Prithi Nandan Singh.
General Manager, Kashmir Arts Emporia, Dina Nath Saraf.

TRADE COMMISSIONERS

New Delhi: Khwaja Ahsan Ullah
Bombay: S. S. Nishat.
Pathankot: D. N. Jalali.
Amritsar: Amar Singh Khorana.
Calcutta: V. N. Saraf.

High Court

Chief Justice, Hon'ble Janki Nath Wazir.
Judges, Hon'ble M. A. Shahmiri; Hon'ble Pandit Jia Lal Kilam.
Registrar, Ghulam Mohammad

CONSTITUENT ASSEMBLY

President, Ghulam Rasool Renzu
Secretary, Pandit Hiranand Raina.
Jt. Secretary, P. L. Gupta

Members: Mirza Mohammad Afzal Beg (Anandnagar); Ghulam Rasool (Amra Kadal); Pt. Ram Lal (Akhnoor); Mohammad Ayub Khan (Arnas); Sayed Abdul Qadus (Biruwa); Aga Syed Ali Saffir (Badgam); S. Harbans Singh Azad (Baramulla); Kh. Abdul Kabir Khan (Bandipora-Gurez); Mahant Ram (Basohli); Pt. Ram Chand Khajuria (Bullawar); Mahasha Nahar Singh (Bishnah); K. Chuni Lal (Bhadrawah); Abdul Gani Goni (Bhatana-Bhunjoah); Bakshi Abdul Rashid (Char-Shariff); S. Chela Singh (Chhamb); Mir Qasim (Duru-Shahabad); Ghulam Ahmed Mir (Dachin-pora); Malik Ghulam Hussain (Deraaar); Kh. Ghulam Nabl (Darhgam); Kh. Ghulam Qadir Masala (Daragmulla); Jamal-ud-Din (Darhal); Kh. Ghulam Ahmed Dew (Doda); Kh. Noor-ud-Din Suffi (Ganderbal); Pt. Sham Lal Saraf (Haba Kadal); Sheikh Mohammad Abdullah (Hazarabhal); Kh. Ghulam Rasool Kar (Hamal); Sayeed Alla-ud-Din Gilani (Haudwara); Master Ghulam Ahmad (Harshi); Girdhari Lal Dogra (Jamerghar); Shrinati Isher Devi Malil (Jammu City Northern); Wazir Ram Saran (Jandrah-Gharota); Pt. Janki Nath Kakroo (Kothar); Noor Din Dar (Khowarpora); Shrinati Ram Devi (Jammu City Southern); D. P. Dhar (Kulgam); Mian Nizamuddin (Kangan); Kh. Ghulam Mohd-ud-Din Khan (Khan Sahib); Kh. Mohammed Anwar Shah (Karnah); Sayed Ibrahim Shah (Kargil); Piar Singh (Kathua); Ram Rakha Mal (Kahna-Chak); Kh. Ghulam Rasool Karapak (Kushwar); Kh. Ghulam Nabl Wani (Lolab); Ghasas Bakula Nawang Labzang Thupstan Gijaltean Alias Kaushak Bakula (Leh); Pt. Baghat Ram (Landar-Tikri); Kh. Mubarak Shah (Magam); Maulvi Jamaitali Shal (Mendhar); Mirza Ghulam Mohd Beg (Nanbug-Brang Valley); Ghulam Rasool Raina (Nandi); Ghulam Hussain Khan (Narwaw); Krishan Dev Sethi (Nowshera); Pirzada Ghulam Jilani (Pampore); Sanaulah Sheikh (Pulwama); Kh. Ghulam Mohd. Bhat (Pattan); Sagar Singh (Parmandal); S. Kulbir Singh (Poonch City); Kh. Abdul Gani Trill (Rajpura); Ghulam Mohomed Rajpuri (Ramhal); Bhagat Chhajju Ram (Ranbirnang-pura); Abdul Aziz Shawi (Rajouri); Hen Raj (Ramnagar); Mansukh Rai (Reani); Asadullah Mir (Ramban); Ghulam Rasool Sheikh (Shopian); Bakshi Ghulam Mohammed (Saffakadal); Hakim Habib Ullah (Sopore); Abdul Khaliq Buth (Saniwara); L. Ram Piar Saraf (Samba); Pir Ghulam Mohd. Masoodi (Tul); G. M. Sadiq (Tangpora); Sheikh Mohd Akbar (Tang Mary); Mohd. Afzal Khan (Uri); Pt. Moti Ram (Udhampur); Mirwais Ghulam Nabl Hamdani (Zaddihal); Kh. Ghulam Mohd-ud-Din Hamdani (Khanyar).

MADHYA BHARAT

Area : 46,478 square miles.
 Population (1951) : 7,954,154 (Males : 4,133,075, Females : 3,821,079).
 Capital : Gwalior, Indore (summer).
 Administrative Division : Northern Division and Southern Division.
 Districts (Headquarters in brackets) :
 Northern Division—Gird (Gwalior); Bhind (Bhind); Morena (Morena); Shivpuri (Shivpuri); Guna (Guna); Rajgarh (Rajgarh), Shahjapur (Shahjapur); and Bhilsa (Bhilsa).
 Southern Division—Indore (Indore); Dewas (Dewas); Ujjain (Ujjain); Dhar (Dhar); Nimar (Kargone); Ratlam (Ratlam); Mandsaur (Mandsaur); and Jhabua (Jhabua).
 Number of Districts : 16.
 Number of Tehsils : 80.
 Number of Villages : 21,201.
 Number of District Boards : 16 Mandal Panchayats.
 Number of Municipalities : 84.
 Notified Area : Residency Area Authority, Indore, is, *su generis*, a local body administered under the Residency Area Authority Act, 1934.
 Number of Panchayats : 4,557. (Gram Panchayats 4,111, Kendra Panchayats 223, and Nyaya Panchayats 223).
 Towns with more than 50,000 population : Indore (including Gautampura) 310,859; Lashkar (including Gwalior and Morar) 241,577; Ujjain 129,817; Ratlam 63,403.
 Strength of Legislative Assembly : 99.
 Number of members returned to the House of the People : 11.
 Number of members returned to the Council of States : 6.
 Total Income of State : Rs. 14,29,78,000 (Budget estimate, 1953-54).
 Per capita Income : Survey not yet made, an attempt, however, to estimate national income of State for 1946-47 indicated *per capita* income at Rs. 174 per annum.
 Revised Five Year Plan : Rs. 28.5 crores.
 Plans for employment : Rs. 3 crores.

LARGE-SCALE INDUSTRIES

Names of Industries with their location, production in 1952 and approximate value within brackets : Textile Mills (Indore, Ujjain, Gwalior, Ratlam, Dewas and Mandsaur; 289,33,595 yards Cloth); Cement (Bannore; 58,866 tons; Rs. 41,79,480); Potteries (Gwalior, 560 tons; Rs. 5,25,124); Thymol (Rau-Indore; 3,248 lb.); Texmaco Looms (Gwalior; 1,899); Footwear (Gwalior; 25,466 pairs); Art Silk (Indore, Ujjain and Gwalior; 2,123,447 yards); Carpets (Gwalior; 2,956 sq. yards; Rs. 1,37,246); Hume and Spun Pipes (Indore; 57,959 Rft.; Rs. 1,98,572); Straw Board (Ratlam; 292 tons); Kattha (Shivpuri; 740 md.); Razor Blades (Ujjain; 936,900); Mangalore Tiles (Indore and Ujjain; 464,386); Biscuits (Gawlior; 764 tons); Confectionery (Indore and Gwalior; 746 tons); Starch (Mandsaur; 616 tons); Fruit Products (Ratlam; Rs. 30,465); Diesel Engines (Indore; 517; Rs. 13,22,150); Glass (Gwalior, Rau and Basoda; 115 tons (One factory only)); Sodium Silicate (Gwalior; 2,436 cwt.; Rs. 21,480); Sugar (Dabra, Dalauda, Jaora, Narangpur and Mahidpur; 203,755 md.); Match Factory (Gwalior; 76,456 Gross boxes).

Total number of registered factories : 720 (as on 31st March 1953).

Total number of workmen employed in registered factories : 83,325.

Industrial Research Organisation : Jiwaji Industrial Research Laboratory, Gwalior.

Number of workmen employed in individual industries : Cotton Textiles, 41,622; Oil mills, 3,583; Cement, 750; Thymol, 20; Texmaco Looms, 995; Footwear, 85; Art Silk, 685; Carpets, 450; Hume and Spun Pipes, 60;

Straw Board, 180; Kattha, 245; Razor Blades, 20; Mangalore Tiles 201; Biscuits and Confectionery, 870; Starch, 100; Fruit Products, 10; Diesel Engines, 250; Glass, 173; Matches, 150; Gwalior Engineering, 500; Hosiery, 982; Vanaspali, 250; Sugar, 3,631; Potteries, 499; Ginning, 15,170; Pressing, 3,414.

Number of registered factories in individual industries : Textile Mills, 16; Engineering and Metal Works, 94; Hosiery Factories, 18; Oil Mills (including composite Dal-Flour-Rice mills), 92; Power Houses, 28; Ice Factories, 6; Cement Pipes, 2; Glass factories, 3; Chemical and Pharmaceutical, 4; Ginning, 238; Pressing, 56; Distilleries, 8; Sugar (including 5 vacuum), 10; Bricks and Tiles, 2; Cement, 1; Water Works, 6; Dal-Rice-Flour Mills, 24; Bone Mills, 3; Rayon Silk, 4; Wool, 2; Printing Presses, 20; Dairi and Carpets, 3; Gold and Silver Ornaments, 1; Biscuit and Confectionery, 3; Umbrella, 3; Cold Storage, 1; Soda Water, 1; Match, 1; Boot Polish, 1; Potteries, 1; Rubber Plastic, 1; Tanneries, 2; Saw Mills, 2; Kattha, 1; Bidi, 7; Blades, 1; Starch, 2; Cardboard, 1; Vanaspali, 1; Dyeing and Printing, 3; Thymol, 1; Dairy, 1; Furniture and Motorbody, 3; Perfumery, 1; Opium, 1; Fire-works, 1; Groundnut Decorticating, 6; Soap, 5; Stone-breaking, 5; Staple Fibre, 1; Power-looms, 3.

COTTAGE INDUSTRIES

Main cottage industries : Hand spinning, Handloom weaving; Cotton ginning by hand; Hosiery; Cloth dyeing and printing; Block-making for cloth-printing; Wool carding; Wool spinning and blanket weaving; Lacquerware; Manufacture of *khandari* sugar; Manufacture of palm *Gur*; *Bidi*; Grass mats; Slates and slate pencils; Sericulture; Lac and coconut bangles; Cloth, paper, clay and leather toys.

Number of units and workers in individual cottage industries : Cotton spinning, sizing and weaving, 4,065 and 19,150; Cotton dyeing and printing, 707 and 3,981; Wool spinning and weaving, 353 and 2,119; Cotton ginning and pressing, 269 and 1,554; Oil presses, 4,952 and 12,742; Fire-works, 193 and 531; Bangle manufacture, 358 and 956; *Bidi*-making, 209 and 1,926.

Production and sale of cottage industries products (1952-53) : Mandsaur woollen centre—Production Rs. 1,30,404 and Sale Rs. 1,37,253; Leather toys—Production Rs. 6,497 and Sale Rs. 4,031; Khadi centres—Production Rs. 30,720 and Sale Rs. 30,475; Industrial shop-production Rs. 83,680; Sericulture—40 lb. silk and 529 lb. cocoons; Leather goods (Dewas, Agar and Shivpuri)—Production Rs. 7,519 and Sale Rs. 6,583; Palm *Gur*—Production Rs. 1,482.

Cottage Industries Centres and Emporia : Adivasi Handloom Centres; Government Handloom Factory, Maheshwar; Chanderi Textiles, Chanderi; Textile Institute, Chanderi; Government Handloom Centres; Khadi Production Centres; Government Blanket Factory, Manasa; Kambal Production Centre, Mandsaur; Tuitional Class, Bhind; Tanneries; Peripatic Party, Bhind; Leather Stitching Centres; Government Palm *Gur* Centres; Government Sericulture Farm, Indore; Carpentry Centres; Cabinet-making Centre, Indore; Wood Working Centre, Gwalior; Leather Toys Centre, Indore; Bamboo Work Centre, Chanderi; Arts and Crafts Emporia; Oil Pressing Centres; Mechanised Cottage Industries Centre, Indore; Bee-keeping Centre, Shivpuri; Glazed Pottery Centre, Mandsaur.

MINERALS

Manganese—Kajli Dongri mines in Jhabua district; prospecting in a number of other villages in the district.

Iron Ore—Jhabua and Gird districts.

Soap Stone, Asbestos and Vermiculite—Jhabua district.

Barytes—Dewas district.

Lime Stone—Jhabua, Dhar, Nimar, Mandsaur and Morena districts.

China and Fire Clay—Gird and Mandsaur districts.

Glass Sand and Marble—Morena district.

Red and Yellow Ochre—Gird district.

Slate—Mandsaur district.

AGRICULTURE

Main Food Crops : Rice, wheat, barley, Jowar, bajra, maize, gram and pulses.

Main Cash Crops : Sugarcane, cotton and Jute. Total Food Crop Production : 799,841 tons (1951-52).

Individual Crop Production : Rice, 14,419 tons; Wheat, 141,066 tons; Barley, 23,441 tons; Gram, 233,213 tons; Bajra, 46,509 tons; Maize, 48,356 tons; Jowar, 222,874 tons; Pulses, 68,763 tons.

Individual Cash Crop Production : Sugarcane, 45,112 tons; Cotton, 192,396 bales; Jute, 6,507 tons.

Total area of State : 27,813,260 acres.

Area Cultivated : 10,916,951 acres net.

Uncultivable Land : 9,081,164 acres.

Twice-cultivated area : 11,271,856 acres.

Area under Dry Cultivation : 10,449,891 acres (un-irrigated).

Area under Wet Cultivation : 467,060 acres (irrigated).

Area under Food Crops : 8,126,477 acres.

Area under Cash Crops : 1,594,913 acres.

Area under individual food crops : Rice 241,437 acres; Wheat, 1,532,826 acres; Barley, 95,109 acres; Jowar, 2,928,740 acres; Bajra, 390,681 acres; Maize, 532,808 acres; Gram, 1,415,053 acres; Pulses, 761,594 acres.

Area under individual cash crops : Sugarcane, 53,314 acres; Cotton, 1,462,997 acres; Jute, 59,103 acres.

Area possibly available for further cultivation : 7,335,740 acres through reclamation measures.

FORESTS

Total forest area in State : 11,718 sq. miles (Indore—1,454,76 sq. miles; Kamod—734.15 sq. miles; Dhar—1,123 sq. miles; Nimar—1,814.63 sq. miles; Gwalior—1,140.32 sq. miles; Shivpuri—1,811.83 sq. miles; Sheopur—2,004.45 sq. miles; Guna—1,635.13 sq. miles).

Private forests : About 4,000 sq. miles, expected to vest in Government with Zamindari and Jagirdari abolition.

Total forest revenue : Rs. 67,04,000 (1951-52).

Total forest expenditure : Rs. 24,06,000 (1951-52).

Main forest produce : Timber, 2,775,000 Cft. Rs. 24,68,017; Firewood and Charcoal wood, 11,625,000 Cft., Rs. 10,89,862; Bamboos, 200,000 tons, Rs. 3,52,147; Grass and grazing, 5,000,000 maunds, Rs. 11,00,520; Other forest produce, Rs. 11,11,808.

Afforestation : In Van Mahotsava, 1952, 9,026,619 trees were planted; other activities included construction of contour bunds, field drainage and terracing, strip planting ridges, gully plugging, planting of gander grass and canal plantation.

LIVESTOCK

Cattle in Madhya Bharat : Cows, 2,017,682 (Nimar, 137,250; Malvi, 1,544,928; Hariana, 335,469); Buffaloes, 1,013,171; Bullocks, 2,090,108; Horses, 106,541; Sheep, 279,675; Goats, 1,206,132; Mules, 746; Camels, 10,982; Pigs, 29,828; Calves, 1,946,092; Donkeys, 35,629; Fowls, 671,148; Duck, 2,096.

Number of stud bulls : 141; Buffalo bull : 1; Rams : 7; Stallions : 3.

Veterinary experimental stations: 16 (M. B. Vaccine and Research Institute, Lashkar; Bull breeding farms, Simrel and Agarpura; Sheep breeding farm, Agar; Poultry centres and farms, 6; Key village centres, 3; Key farms, 3).

Number of veterinary hospitals: 154.

Number of surgeons: 52; stockmen: 315.

Doses of vaccine and serum issued: G.T.V. 1,594,500; H.S.V., 583,500; A.R.P., 32,125; H.S., 73,408; B.Q., 18,016; Anthrax, 3,920.

Budget for Veterinary Department: Rs. 16,00,000.

Fisheries: Variety of fish (inland) produced: Rohu, Narnin, Bawa, Calabasu and Cutley.

Fishing population: 36,408.

TRANSPORT

Total road mileage: 4,046 miles.

National Highway (Agra-Bombay Road): 440 miles.

Length of routes covered by private buses: 6,775 miles.

Routes operated by private buses: 161.

Number of private buses: 375.

Number of private trucks: 1,437

Aerodromes: Gwalior (Maharajpura) and Indore.

Transport has been nationalised in the State. Name of Authority: Madhya Bharat Roadways (Government owned and operated).

Capital invested (31st March 1952): Rs. 50,46,000.

Total mileage covered: 17,135.

Annual mileage: 62,51,275.

Passenger routes covered: 110.

Passenger vehicles owned: 275; goods vehicles owned: few only for departmental use.

City bus services: 26 vehicles operate bus services in Gwalior, Indore and Ujjain cities.

Total number of passengers carried: 78,00,600 annually.

Total revenue: Rs. 61,78,792.

Profit: Rs. 4,62,117

Amenities provided: Waiting and retiring rooms, passenger shelters and supply of cold water at important stations.

Rate per passenger mile: Between six and nine ples.

Ratio of total wage bill to total working expenses: 18 per cent.

Repair and over-haul workshops: One central workshop and seven running workshops.

TRADE

The amounts of export and import duties realised during 1952-53 were:

Export Duty—Rs. 61,88,872.

Import Duty—Rs. 47,58,072.

Regulated Markets: Gwalior, Morar, Lashkar, Dabra, Bhind, Bhandar, Gohad, Mo, Morena, Sabalgarh, Sheopur, Shivpuri, Guna, Pachhar, Mungaoli, Bhilka, Basoda, Gulab-Ganj, Ujjain, Khachraud, Barhnagar, Nagda, Tarana, Shajapur, Shujalpur, Agar, Susner, Nalkheda, Akoda, Kala Pipal, Mandasaur, Jawad, Bhagane, Suwasera, Rajgarh (Dist. Dhar), Manawar, Amsera, Bagh, Dehari-Saraya, Sonkath, Kannod, Indore, Sendhwa, Bhikangaon, Barwaha, Khargone and Sanawad.

ELECTRICITY

Total installed power capacity in State: 17,244 kW.

Total effective capacity: 12,500 kW.

Total production: 31.7 million units (1952).

Units supplied to industry: 3.4 million units.

Units supplied for domestic use: 5.72 million units.

Power stations (Government): M.B.E.S. (Madhya Bharat Electric Supply), Indore, capacity 9,540 kW., 12-276 million units per annum; M.B.E.S., Gwalior, 2,000 kW., 8.58 million units p.a.; M.B.E.S., Ujjain, 1,000 kW., 3.346 million units p.a.; M.B.E.S., Shivpuri, 180 kW., 315,000 units p.a.; M.B.E.S., Dhar, 425 kW., 556,000 units p.a.; M.B.E.S., Jaora, 226 kW., 512,000 units p.a.; M.B.E.S., Dewas, 250 kW., 390,000 units p.a.; M.B.E.S., Morena, 100 kW., 147,000 units p.a.; M.B.E.S., Khargone, 125 kW.; M.B.E.S., Narsinggarh, 115 kW., 73,000 units p.a.; M.B.E.S., Kurwal, 42 kW., 26,000 units p.a.; M.B.E.S., Mahldpur, 100 kW., 96,000 units p.a.; M.B.E.S., Rajgarh, 50 kW., 88,000 units p.a.; M.B.E.S., Barwan, 30 kW., 52,000 units p.a.

Private Power stations: Shri Krishna Electric Supplies, Sitamau, 30 kW., 24,000 units p.a.; Khilchipur Electric Supply, Khilchipur, 20 kW., 17,000 units p.a.; Mhow Electric Supply, Mhow, 653 kW., 1.565 million units p.a.; Tarana Electric Supply, Tarana, 36 kW., 71,000 units p.a.; Malwa Electric Supply, Bhilsa, 70 kW., 162,000 units p.a.; Malwa Electric Supply, Guna, 137 kW., 216,000 units p.a.; Sallana Power House, Sallana, 52 kW., 17,000 units p.a.; Ratlam Electric Supply, Ratlam, 800 kW., 1.889 million units p.a.; Barhnagar Electric Supply, Barhnagar, 120 kW., 157,000 units p.a.; Gwalior & Malwa Electric Supply, Neemuch, 155 kW., 217,000 units p.a.; Mandasaur Electric Supply, Mandasaur, 520 kW., 522,000 units p.a.; Jhabua Power House, Jhabua, 55 kW., 11,000 units p.a.; Dewas (Sr.) Electric Supply, Dewas (Sr.), 128 kW., 318,000 units p.a.; Municipal Power House, Shajapur, 150 kW., 106,000 units p.a.; Alirajpur Electric Supply, Alirajpur, 50 kW., 89,000 units p.a.

Government power projects: (1) Installation of two 5,000 kW. generating sets with auxiliaries at Central Power House, Indore, and transmission lines to Mhow, Dewas and Ujjain; estimated cost, Rs. 1,39,32,000. (2) Installation of 3,000 kW. plant at Indore; estimated cost, Rs. 12,50,000. (3) Installation of 2,500 kW. plant at Gwalior, remodelling of mains and change-over from D.C. to A.C., estimated cost, Rs. 54,60,000. (4) Increasing capacity at Ujjain by power-supply from Indore and remodelling of mains; estimated cost, Rs. 25,00,000. (5) Installation of 50 kW. D.C. set at Narsinggarh. (6) Installation of two 112 kW. A.C. sets and change-over from D.C. to A.C. and remodelling of mains at Jaora; estimated cost, Rs. 3,94,000. (7) Installation of another 125 kW. set at Khargone; estimated cost, Rs. 3,50,000. (8) Power House at Bhind, 250 kW.; estimated cost, Rs. 5,75,000. (9) Power House at Shujalpur, 100 kW.; estimated cost, Rs. 2,76,000. (10) Power House at Sanawad, 200 kW.; estimated cost, Rs. 4,00,000. (11) Augmentation of power plant at Morena. (12) Installation of one more 50 kW. set at Mahldpur. (13) Installation of two 137 kW. sets and remodelling of mains at Shivpuri; estimated cost, Rs. 2,40,000.

Total expected capacity in State after completion of projects: 30,296 kW.

CHAMBAL HYDEL PROJECT

Part of the Inter-State Chambal River Valley Development Project to benefit Madhya Bharat and Rajasthan and included in India's national five-year plan, the Chambal Hydel scheme envisages construction of Gandhi Sagar Dam at a site five miles down-stream of Chauransgarh Fort in Mandasaur district and of power house with generating capacity of 60,000 kW. at an estimated cost of Rs. 14,27,00,000.

IRRIGATION

Total area irrigated in State: About 200,000 acres.

Irrigation projects planned: (1) Dam across Mola river about nine miles from Bahadurpur in Mungaoli tehsil of Guna district with 577 million cubic feet capacity to irrigate 4,000 acres, cost Rs. 10,00,000. (2) Dam across Kouch river near Jassaiya-Banskhed villages

in Mungaoli tehsil of Guna district with 1,700 million cubic feet capacity to irrigate 30,000 acres, cost Rs. 34,00,000. (3) Dam across Borad river near Thikri in Nimar district with 4,000 million cubic feet capacity to irrigate 40,000 acres, cost Rs. 80,00,000.

Estimated rise in output: Some 8,000 tons of grain.

Irrigation by Chambal: Twelve lakh acres of land in Madhya Bharat and Rajasthan are expected to be irrigated as a result of the Chambal River Valley Development Project included in India's national five-year plan.

The additional yield of food grains is estimated at 400,000 tons.

Areas to be irrigated will be Kotah, Bandi, Sawal, Madhopur and Bharatpur districts of Rajasthan and Bhind, Morena and Gird districts of Madhya Bharat.

Land reclaimed in the State. Ending May 1953: 35,000 acres of land reclaimed by tractors of the State Agricultural Department.

In the same period, 184,000 acres of land reclaimed by tractors of the Central Tractor Organisation.

LAND TENURE

Land tenure system in State: Ryotwari. Number of cultivators under the system: 1,560,182.

Law governing land tenure system: Madhya Bharat Land Revenue and Tenancy Act, Samvat 2007.

Main provisions of the Act: No land to be allotted to a person holding 50 acres or more as *pucca* tenant. Allotment of land for agricultural purposes to a non-bona fide agriculturist only by Government sanction.

No partition of *pucca* tenant's holding unless the tenant is left with at least 15 acres: Unfructuary mortgage effected by a *pucca* tenant to a bona fide agriculturist for a period of not more than six years to be deemed to have been satisfied or redeemed after the expiry of the period.

Pucca tenant's rights not to be sold if his total holding is 15 acres or less. Tenant to be exempt from arrest and imprisonment in execution of decree passed by civil court or revenue authority.

Subject to rules under the Act, *pucca* tenant entitled to have, free of charge, suitable house site in village. Allotment of land to be made by auction, preference being given to Harijans and others having less than 15 acres or no land on *pucca* tenure.

Zamindari and Jagirdari abolition: Laws for abolition of Zamindari and Jagirdari (Madhya Bharat Zamindari Abolition Act, Samvat 2008, and Madhya Bharat Jagirdari Abolition Act, Samvat 2008) have been enacted in the State. The first has been enforced while enforcement of the second awaits decision of appeals in Supreme Court. Compensation payment to zamindars already commenced.

Provision of compensation: Eight times the net income for zamindars and seven times the net income for jagirdars.

Persons affected: 121,993 zamindars and 1,327 jagirdars.

Area of land: Zamindari—18,636 sq. miles; Jagirdari—4,449 sq. miles.

Beneficiaries: *Pucca* tenancy rights to accrue to tenants.

CIVIL SUPPLIES

Food rationing in State: Wheat, 56 oz. per adult per week.

Monthly requirement: 200,000 maunds.

Procurement: Procurement through authorised traders; there is ban on inter-tehsil movement. Procurement, 1952—540,846 md.

Yearly food requirements: Wheat—2,400,000 md.; Rice—200,000 md.; Millets—1,500,000 md.

Deficit : Rice—1,50,000 md.

Food imports. Wheat and millets are imported as required if crops fail.

Population under rationing : 2,802,548 (including 893,388 urban).

Rationing system : There is no statutory rationing in the State. Non-statutory rationing prevails in Gwalior, Indore, Ujjain and Ratlam cities while there are relief quota shops in district and tehsil headquarters.

Food subsidy : Imported food grains are sold at subsidised rates.

Monthly requirements of Madhya Bharat : Rice—18,000 md.; Wheat—200,000 md.; Millets—125,000 md.; Sugar—2,500 tons; Salt—125,000 md.; Kerosene—7,000 tins; Cloth—5,500 bales; Yarn—1,500 bales.

Surplus in cloth : about 10,000 bales per month in medium and coarse varieties.

Kerosene and salt are imported.

Sugar deficit : 1,225 tons.

CO-OPERATION

Co-operative banks : 25.

Agricultural societies : 5,559 (Credit societies, unlimited.—5,453; Credit societies, limited.—49; Sale and purchase societies.—24; Land mortgage society.—1; Better living societies.—29; Other societies.—3).

Non-agricultural societies : 635 (Credit societies, limited.—184; Credit societies, unlimited.—37; Consumers' stores.—191; Production societies.—177; Production and sale societies.—6; Miscellaneous societies.—40).

PUBLIC HEALTH

Number of allopathic hospitals : 49.

Number of allopathic dispensaries : 516 (70 urban and 446 rural).

Number of beds in allopathic hospitals : 3,324.

Number of ayurvedic dispensaries : 231 (7 urban and 224 rural).

Special hospitals with number of beds : T. B. Clinic (J. A. Hospital), Lashkar, 52; Mental Hospital, Lashkar, 120; Lepers Asylum, Rajgarh, 36; T. B. Ward (M. T. Hospital), Indore, 56; Lepers Asylum, Indore, 46; K. N. Home, Indore, 22; Mental Hospital, Indore, 50; T. B. Sanatorium, Rau, 50; K. E. M. Hospital, Indore, 181; Lepers Asylum, Ujjain, 46; T. B. Clinic, Ujjain, 16; T. B. Clinic, Guna, 6; T. B. Clinic, Ratlam, 6; T. B. Clinic, Barwani, 6; T. B. Clinic, Mandasaur, 6.

Number of allopathic doctors : 312 (70 urban, 242 rural); Ayurvedic doctors : 231 (7 urban, 224 rural); Nurses : 93; Dais : 253 (100 urban; 153 rural); Compounders : 705.

Number of in-patients treated at hospitals : 61,349; out-patients : 4,208,558.

Medical colleges : Allopathic 2; Ayurvedic 1.

Students in medical colleges : Allopathic 593; Ayurvedic 12.

Medical Research Institutes : G. R. Medical College, Gwalior; Mahatma Gandhi Memorial College, Indore.

Medical Staff : Dist. Health Officers, 10; Asstt. Health Officers, 16; Sanitary Inspectors, 21; Vaccinators, 146; Laboratory Assistants, 2; Malariaologist, 1.

Diseases with number of patients treated and deaths (indoor) (1951-52) : Cholera, 214-6; Dysentery, 13,762-8; Malaria, 72,084-1; Small pox, 33-4; Tubercle of lungs, 7,675-27; Tubercular diseases, 1,999-14; Diseases of nervous system, 22,191-81; Eye diseases, 23,315-1; Diseases of respiratory system, 57,372-15; Dyspepsia, 19,892-30; Diarrhoea, 21,674-14; Diseases of liver, 2,564-27; Diseases of digestive system, 72,315-21; Ulcers, 51,364-9; Skin diseases, 58,235-21; Injuries, 18,525-68; Labour (abnormal), 163-13; Ear diseases, 34,578.

Budget (1953-54) : Public Health, Rs. 6,28,090; Medical, Rs. 70,37,000.

EDUCATION

The information relates to 1951-52.

Nursery Schools : 20 (19 urban and 1 rural); students, 697; teachers 14 male and 25 female; total expenditure Rs. 29,842 (including Government contribution of Rs. 19,864).

Elementary Schools : 4,155 for boys and 357 for girls; students, 208,827 boys and 27,148 girls; teachers, 7,611 male and 872 female; total Government expenditure, Rs. 55,80,152.

Secondary Schools : 350 for boys and 64 for girls; students, 84,614 boys and 23,130 girls; teachers, 4,149 male and 940 female; total expenditure, Rs. 64,27,328 (including Rs. 55,04,427 from State fund).

Sanskrit Pathshalas, 35; students, 1,066 boys and 150 girls; expenditure, Rs. 61,287.

Colleges (Arts, Science, Commerce and Law) : 17 for boys and 1 for girls; students, 9,536 boys and 898 girls; professors, 585 male and 16 female; total expenditure, Rs. 21,39,120 (including Rs. 15,99,040 State contribution).

Professional Colleges : Training colleges 2; students, 89 boys and 18 girls; teachers, 15; Medical colleges, 2; students, 451 boys and 60 girls; teachers, 59 male and 8 female; Agriculture College, 1; students, 110; teachers, 14; total expenditure from Government funds on professional colleges, Rs. 8,01,271.

Normal Schools : 4 for boys and 2 for girls; students, 245 boys and 57 girls; total Government expenditure, Rs. 1,35,630.

Technical Institute, 1; students, 66; total Government expenditure Rs. 1,13,845.

Research Institutes : Scindia Oriental Institute, Ujjain and Jiwajirao Observatory, Ujjain.

School for Deaf and Blind, 1; students, 25; teachers, 7; total expenditure, Rs. 12,530 (including Rs. 5,200 from Government funds).

Adult Social Education Centres, 198 for boys and 9 for girls; students, 4,956 boys and 129 girls; total Government expenditure, Rs. 44,461.

Government and Aided Institutions : Elementary (Primary) Schools, 4,421 Government and 91 aided; Secondary Schools, 376 Government and 38 aided; Colleges, 13 Government and 5 aided; Teachers' Training Colleges, Government 2; Normal Schools, Government 6; Sanskrit Pathshalas, 28 Government and 7 aided; Nursery Schools, 14 Government and 6 aided.

Primary education is compulsory for boys between six and eleven years of age in all towns which are headquarters of districts in Madhya Bharat. It is proposed to extend this scheme to some other towns or areas in each district soon.

The medium of instruction is the mother tongue of the pupil in the elementary and primary stages. It is Hindi in secondary stages and upto intermediate. In higher colleges it is English.

COLLEGES

Victoria College, Gwalior—Prin. D. N. Bhalla.

Holkar College, Indore—Prin. H. Ghosh.

Madhava College, Ujjain—Prin. A. M. Dalaya.

Christian College, Indore—Prin. Dr. Mrs. Bryce.

Karnala Raja Girls' College, Gwalior—Prin. Dr. Mrs. G. D. Mathur.

Jiwajirao Inter College, Gwalior—Prin. B. B. Agarwal.

Parwatibai Gokhale Inter College, Gwalior—Prin. H. R. Divekar.

Inter College, Guna—Prin. B. K. Shrivastava.

Inter College, Morena—Prin. S. N. Bagchi.

Inter College, Barwani—Prin. H. L. Nagar.

Inter College, Dhar—Prin. B. M. Baje.

Gujrati Samaj Inter College, Indore—Prin. D. A. Mehta.

Sajjan Inter College, Ratlam—Prin. A. R. Shinde.

Inter College, Rajgarh—Prin. R. P. Johri.

Inter College, Rampura—Prin. S. P. Shrivastava.

Inter College, Mandasaur—Prin. D. N. Khajanchi.

Inter College, Bhilsa—Prin. S. C. Jain.

Inter College, Bhind—Prin. S. N. Singh.

Malav Inter College, Indore—Prin. Mrs. P. Indurkar.

Scindia Inter College, Gwalior (Fort)—Prin. K. C. Shukla.

HIGH SCHOOLS

V. C. High School, Lashkar; High School, Morar; High School, Morena; High School, Sheopur; High School, Bhind; High School, Shilpuri; High School, Jaora; High School, Ambah; High School, Sabalgarh; High School (J. C. Mills), Gwalior; D. A. V. High School, Gwalior; High School, Alampur (Unaided).

M. S. High School, Indore; S. G. High School, Indore; Malharashram, Indore; Bai Vinaya Mandir, Indore; Government Sindhi High School, Indore; D. B. A. High School, Khargone; M. G. Vidyalaya, Mandasaur; S. P. High School, Alirajpur; Darbar High School, Jabua; Vidyalaya, Kannod; Narayan Vidya Mandir, Dewas; Sacred Heart High School, Mhow; T. J. High School, Indore; N. B. High School, Indore; V. High School, Indore; St. Raphael's High School, Mhow; K. B. E. P. High School, Mhow; Rasulpura High School, Mhow; N. D. Jain High School, Indore; R. R. M. Gujarati High School, Indore.

M. B. High School, Ujjain; High School, Khachraud; High School, Barhagar; High School, Mahidpur; High School, Narsinggarh; High School, Agar; High School, Shajapur; High School, Shajapur; High School, Sallana; Gandhi High School, Jaora; High School, Sitamau; High School, Neemuch; High School, Manasa; Model High School, Ujjain; Jain High School, Ratlam.

GIRLS' HIGH SCHOOLS

Gajra Raja Girls' High School, Gwalior; Padma Vidyalaya, Gwalior; Vijaya Rajee Girls' High School, Ujjain; Mahila Vidyalaya, Indore; Girls' High School, Dhar; K. K. Vidyalaya, Indore; Chinnabai Girls' High School, Dewas; Girls' High School, Mandasaur; St. Riffes Canadian High School, Indore; Convent Girls' High School, Mhow; Canadian High School, Indore.

(Note—Aided institutions are marked with asterisks)

LIBRARIES

Madhav Library, Lashkar; M. B. Hindi Sahitya Sabha, Lashkar; Public Library and Reading Room, Morar; Chaturvedi Pustakalaya, Tarokhar (Bhind); Bhada Prantik Digambar Jain Pustakalaya, Bhind; Sarvajani Pustakalaya and Vachanatalaya, Bhind; Public Library, Karera; Gandhi Gyan Mandir, Pohri; Samarth Vachanatalaya, Pachhar; Sarvajani Vachanatalaya, Mungaoli; Sarvajani Vachanatalaya, Chanderi; Jiwaji Pustakalaya, Guna; Laxmi Narayan Bhagwan Library, Dewas; Sarvajani Vachanatalaya, Basoda; Sarvajani Vachanatalaya, Kurwai; Sarvajani Vachanatalaya, Gyraspur; Sarvajani Vachanatalaya, Bhilsa; Sarvajani Vachanatalaya, Alot (Bhilsa); Sarvajani Vachanatalaya, Khajuria (Rajgarh); Sarvajani Vachanatalaya, Pachhore (Rajgarh); Sarvajani Vachanatalaya, Boda (Rajgarh); Ganesh Vachanatalaya, Chaphera (Rajgarh); Bajrang Vachanatalaya, Katera (Rajgarh); Gandhi Library, Rajgarh; Yashwant Vachanatalaya, Sarangpur; Krishna Vachanatalaya, Machalpur; Ramkrishna Vachanatalaya, Bhoora; Ranaji Jodhpuri Vachanatalaya, Khilchpur; Maharani Chandrawati Library, Mahidpur; Gyan Mandir, Khachraud.

TECHNICAL INSTITUTES

Central Technical Institute, Lashkar—Principal : R. P. Pradhan ; Vice-Principal : M. P. V. Nair.
Textile Institute, Mandasaur.
Textile Institute, Narwar.

MEDICAL COLLEGES

G. R. Medical College, Lashkar—Principal : Dr. B. Sahai, M.D.
Government Ayurvedic College, Lashkar—Principal : Dr. L. S. Bhatnagar, A.M.S.
Gandhi Memorial Medical College, Indore—B. C. Bose, D.Sc., M.D.
Rajkumar Singh Ayurvedic College, Indore—Principal : Kaviraj Pratap Singh.

HOSPITALS

J. A. Hospital, Lashkar—Dr. J. L. Razdan.
King Edward Hospital, Indore—Dr. B. C. Bose.
M. T. Hospital, Indore—Dr. R. R. Rishi.
Ayurvedic College Hospital, Lashkar—Dr. L. S. Bhatnagar.
Dist. Hospital, Bhand—Dr. A. S. Mishra
Dist. Hospital, Guna—Dr. K. A. Taore
Dist. Hospital, Rajgarh—Dr. M. L. Shukla.
Dist. Hospital, Ratlam—Dr. B. N. Sibal.
Gandhi Chikistalaya, Dewas—Dr. Prakash Narain.
King Edward Hospital, Dhar—Dr. D. K. Tiloo.
King Edward Hospital, Barwan—Dr. Ravindra Nath.
Dist. Hospital, Mandasaur—Dr. R. Bhattacharya
Dist. Hospital, Ujjain—Dr. Abdul Hamid.
Dist. Hospital, Shivpuri—Dr. S. M. Mishra.
Civil Hospital, Jabua—Dr. Jagdish Prasad.
Main Hospital, Khargone—Dr. Lajpat Rai.
Shajapur Hospital, Shajapur—Dr. D. S. Salpekar.
Civil Hospital, Bilasa—Dr. N. M. Sawant.
Civil Hospital, Morena—Dr. S. L. Gupta.
Civil Hospital, Jaora—Dr. S. L. Shah.
Civil Hospital, Alirajpur—Dr. V. M. Ranade.
Civil Hospital, Narsinggarh—Dr. C. S. Apte.

PICTURE HOUSES

Agra—Anand ; Alot—Shrikant and Vikram ; Anjad—Virendra and Anrudhha ; Alirajpur—Ranchhod and Surana ; Berchha—Mohan ; Bilasa—Laxmi ; Bhand—Padma and Chitra ; Bhatnagar—Jai Hind ; Barwaha—Prabhat ; Barwan—Laxmi and Mahendra ; Badinawar—Prakash ; Banswara—Bakrishna ; Bhaora—Kamal ; Bhikangon—Mohan ; Bistan—Amit ; Basoda—Jai Hind ; Chanderi—Ashoka ; Dewas—Novelty and Nagar Niwas ; Dhar—Mohan ; Guna—Jai Bharat and Darbar ; Gwalior—Chhaya, Chitra, Gwalior, Light House, Regal, Yadav and Ashoka ; Indore—Alka, Krishna, Maharaja, Arun, Navin Chitra, Prakash, Raj, Regal, Saroj, Jyoti and Yeshwant ; Jaora—Kamal ; Jawad—Kamal ; Jhabua—Vinod ; Khachraud—Ashoka and Gopal ; Khargone—Krishna and Bameshwar ; Khetla—Devi Singh ; Kukal—Surya ; Mahidpur—Jai Hind and Prakash ; Malhargarh—Kamal ; Mandasaur—Krishna, Sharda and Ashoka ; Manasa—Jai Hind and Prakash ; Manawar—Durga ; Mhow—Dreamland, Mohun, Narayan, Rose and Orpheum ; Morar—New Garrison ; Morena—Morena and Jai Hind ; Neemuch—Vijay and Khurshid ; Pachhar—Vijay and Surana ; Rajgarh—Vijay ; Rajgarh-Sardarpur—Jai Hind ; Rajpur—Dashrath and Prakash ; Ratlam—Lokendra, Laxmi, Mohan, Narayan and Regal ; Shajapur—Vikram and New Radha ; Shahpur (Nimar)—Jai Hind and Arun Chitra ; Shargarh—Surya Prakash ; Sheopur—Jivan ; Sheopur—Kalan—Krishna and Jivan ; Rampura—Krishna ; Sallana—Sallana ; Sonkatch—Rajkumar ; Shivpuri—Mahavir and Shivpuri ; Shujalpur—Kamal ; Serangpur—Krishna ; Tarana—Omprakash ; Ujjain—Mohan, Narendra, Kamal, Prakash and Regal.

ADMINISTRATIVE PERSONNEL

RAJPRAMUKH

Lt.-Gen. H. H. Maharaj Sir Jiwajirao Madhavrao Scindia, Alifjah Bahadur, G.C.S.I., G.C.I.E., Maharaja of Gwalior.

Secretary to Rajpramukh, Col. Eknathrao Patil, B.Sc.

A.D.C.s. to Rajpramukh, Capt. K. R. Ponde ; Capt. Mukat Singh.

UP-RAJPRAMUKH (Senior)

Maj.-Gen. H. H. Maharaja Sir Yashwantrao Holkar, G.C.I.E., LL.D., Maharaj of Indore.

COUNCIL OF MINISTERS

Chief Minister in charge of General Administration, including Planning but excluding Information and Appointment, Mishri Lal Gangwal.

Revenue, Food and Civil Supplies, Local Self-Government—Urban excluding Public Health, Engineering and Government Roadways, Shyam Lal Panditya.

Medical and Public Health, Tribal Welfare, Scheduled Castes and Forests, Dr. Prem Singh.

Home and Public Works excluding Chambal Hydel Works, Manohar Singh Mehta.

Development excluding Tribal Welfare and Forests, Labour, Hydel Works and Public Health Engineering including Town Improvement and Housing, V. V. David.

Law and Justice, Commerce and Industries and Information, Sitaram S. Jajoo.

Finance and Separate Revenue, Soubhagya Mal Jain.

Education and Relief and Rehabilitation, Nar-singh Rao Dixit.

DEPUTY MINISTERS

Food and Home, Radha Vallabh Vijayavargiya.

Development, Sawal Singh Sisodia.

Harijan and Tribes, Sajjan Singh Vishnar.

Parliamentary Secretary (Petitions), Shiva Bhanu Singh Solanki.

SECRETARIAT

Chief Secretary, K. Radhakrishnan, I.C.S.

Home Secretary, S. N. Banuroo, I.A.S.

Revenue Secretary, G. R. Garde, LL.B.

Finance Secretary, B. K. Chatterji, M.A., M.Sc. (Offg.).

Law Secretary, M. I. Mittal

Public Works Secretary, Y. Bhargava, I.A.S.

Education Secretary, Dr. Bool Chand, I.A.S.

Development Secretary, L. O. Joshi, LL.B.

Industries and Commerce Secretary, J. K. Kaul, A.A.S.

Jt. Secy. (Gen. Adm.), K. V. Kalewar, LL.B.

Add. Secy. (Revenue), C. G. Matkar, I.A.S.

Dy. Secy. (Home), K. M. Ranade, LL.B.

Dy. Secy. (Labour), S. S. Joshi, LL.B.

Dy. Secy. (Comm.-Industries and Food-Civil Supplies), J. M. Kochar, B.Com., B.L.

Dy. Secy. (Education), P. C. Gupta, LL.B.

Dy. Secy. (Finance), Sitala Sahai, B.Com. (Offg.).

Dy. Secy. (Law), Y. Bhargadwaj, LL.B.

Dy. Secy. (Gen. Adm.), G. E. Cornelius, LL.B.

Heads of Departments

Accountant-General, V. N. Singh, I.A.S.

Customs Commissioner, K. M. Bapna, LL.B.

Chief Conservator of Forests, G. S. Soudhi, B.Sc. (Offg.).

Chief Engineer (P.W.D. & Irrigation), P. V. Divetia, B.E.

Chief Inspector of Factories, V. N. Sherlekar, LL.B.A.M.

Labour Commissioner, A. S. Banawalikar, B.A., A.T.A.

Director of Agriculture, M. G. Karnikar, M.A.

Director of Veterinary Services, Dr. H. K. Mehra, M.B.C.V.S.

Director of Education, S. N. Chaturvedi, M.A., T. Dip. L.T.

Director of Industries, G. N. Swami, B.A.

Director of Public Health, Dr. S. L. Gargya, L.R.C.P., M.R.C.S.

Director of Land Records, K. M. Phalke.

Director of Information, A. M. Shastri, M.A., M.O.L.

Census Commissioner, Rang Lal, B.A.

Transport Commissioner, K. K. Deshmukh, LL.B.

Jagir Commissioner, C. G. Matkar, I.A.S.

Chief Engineer (Electrical), B. S. Sibal, M.I.E.E.

Supdt., Govt. Printing, G. C. Natarajan

Chief Inspector, Offices and Records, G. V. Raghavan.

Senior Member, Board of Revenue, Brijraj Narain, I.A.S.

Commissioner, Northern Division, T. S. Pawar, I.A.S.

Commissioner, Southern Division, K. R. Gawade.

Inspector-General of Police, Badan Singh, I.P.

Inspector-General of Prisons, Darshan Singh, LL.B.

Inspector-General of Municipalities, Masood Quli Khan.

High Court

Chief Justice : Mr. Justice G. K. Shinde, Bar-at-Law.

Justice : Mr. Justice P. V. Dixit, Bar-at-Law.

Justice : Mr. Justice A. H. Khan, Bar-at-Law.

Justice : Mr. Justice B. K. Chaturvedi, Bar-at-Law.

Justice : Mr. Justice V. R. Newaskar, LL.B.

Justice : Mr. Justice S. M. Samvatsar, LL.B.

Registrar : M. K. Kaul, LL.B.

Advocate-General : K. A. Chitale, LL.B.

Public Service Commission

Chairman, D. V. Rege, I.C.S. (Retd.).

Member, S. S. Gaur, LL.B.

Member, N. Padmanabhan, M.A.

Secretary, C. M. Mulak, LL.B.

ASSOCIATIONS AND CHURCHES

THE ASSOCIATION OF ELECTRICAL UNDERTAKINGS

Madhya Bharat, Rajasthan and Ajmer, Mandasaur (Madhya Bharat).

Founded in 1950, this Association is a member of the Federation of Electricity Undertakings of India, Bombay.

Objects : To promote, advance and develop generation and supply of Electrical energy. To promote and originate improvements in the law of governing Electric Supply Industries ; To give facilities to the Government of India and State Governments of M.B., Rajasthan and Ajmer for conferring with and ascertaining the views of members of the Association ; To encourage inventions affecting the industries ; To promote efficiency and just and honourable dealing to suppress malpractices in the industry ; To promote study of engineering subjects.

CHRIST CHURCH

Mhow (Madhya Bharat).

Nature of Body : Religious

Priest in charge, Rev. R. Jacob.

Hon. Secretary, Capt. D. H. J. Gear.

CHURCH OF ENGLAND

Nemuch (Madhya Bharat).

Nature of Body : Religious.

Visiting Chaplain, Revd. C. E. Bolsin.

Secretary & Treasurer, P. G. White.

DIOCESE OF INDOREBishop's House, Catholic Church,
Indore (Madhya Bharat).

Nature of Body : Religious.

Bishop of Indore, Rt. Rev. Dr. Francis M.
Simons, S.V.D.Delegate, Very Rev. Father J. Leinenbach,
S.V.D.Superior Regular, Very Rev. Father R.
Schoepe, S.V.D.**KASTURBA GANDHI NATIONAL
MEMORIAL TRUST**Address :—P. O. Kasturbagram, Dist. Indore
(Madhya Bharat).Aims and Objects :—Welfare of women and
children in rural areas of India. The Trust
trains women workers for educational, voca-
tional and health programmes and after training
deputes them to rural areas.The Trust Fund amounts to Rs. 1,08,00,000
which has been invested in Government
Securities. The sources of income are :—Corpus
of the original Trust Fund ; Interest on Govern-
ment Securities ; Subscriptions collected in
States towards part of the expenses of the
village centres.The Trust at present runs about 250 centres in
pre-basic, basic, adult education and craft
centres, maternity homes, leprosy relief centres,
etc.Besides running 15 training schools, the Central
Training Institute is located at Kasturba-
gram, five miles from Indore, where the Madhya
Bharat Government has made available to the
Trust about 500 acres of land.

Chairman : G. V. Mavalankar.

Vice-President : Lady Premilla Thackersey.

Secretary : Susheela Pal.

**MADHYA BHARAT CHAMBER OF
COMMERCE AND INDUSTRY**

"Chamber Bhavan", Lashkar (Gwalior).

Advisory Body for the promotion of Trade
and Industry.

President, D. P. Mandella.

Vice-President, G. D. Valsanya.

Hon'y. Secretary, T. M. Harkhvat, B.Com.

**MADHYA BHARAT MILLOWNERS'
ASSOCIATION**

9, South Tukoganj, Indore.

Secretary, G. B. Zalani.

ST. PETER'S CHURCH

Morar, Gwalior.

Honorary Secretary, B. A. Cornelius.

Honorary Treasurer, A. Marshall.

UNITED CHURCH OF CANADA MISSION

Ratlam.

Nature of Body : Missionary.

General Secretary, Rev. R. M. Clark.

Associates Secretary, Miss A. B. Munns.

Treasurer, Miss M. E. Martin.

POPULATION

Populations of Districts are given below :

Blind : 527,978 ; Gird : 530,299 ; Morena :
633,581 ; Shivpuri : 476,092 ; Guna : 478,810 ;
Rajgarh : 427,523 ; Shahajpur : 433,216 ; Ujjain :
544,200 ; Ratlam : 383,804 ; Mandasaur : 636,915 ;
Bhilsa : 293,023 ; Indore : 596,622 ; Dewas :
315,306 ; Dhar : 505,268 ; Jabua : 382,673.

TRADES & PROFESSIONS

All Hussain, Stationery and Paper Mart, Ranipura Road, Indore.

Aspl & Company, Manufacturers' Representatives, 64, Maharani Road, Indore. Wholesale Dealers in Toilettries, Soaps, Cutlery and General Merchants.

BANK OF INDORE LIMITED, Head Office: Prince Yeshwant Road, Indore City. Branch Offices at Cloth Market, Siyaganj and Sanyogitaganj, Indore City. Other Branches at 44, Hamam Street, and Jai Hind, Bhuleshwar, Bombay, Anjar, Khargone, Sanawad, Mhow, Ujjain, Ratlam and Tarana, Pay Offices at Jaora and Sendhwa.

Bharat Radio and Auto Electric Co., The, Radio and Automobile Engineers, 55, Snehalata Gunj, Indore City (M.B.).

Dayashankar, R. (Estd. 1880), Wholesale and Import Druggist, Indore City. Grams: "Ardikemist."

Gangadhar Waman & Co., News and Commission Agents, Prince Yeshwant Road, Indore City.

General Stores, Topkhana Main Road, Indore City. Civil, Police and Military Uniforms Contractors.

International Produce Exchange, Exporters, Importers and General Agents, 84, Topkhana Main Road, Indore City.

Jain Brothers, Maharani Road, Siyaganj, Indore (M.B.).

J. B. MANCHARAM & CO., Gwalior (M.B.).

Keshrimal Bherulal, General Merchants, Jaora, Malwa.

Khandekar, G. W., Stationer, Bookbinder, Printer and Rubber Stamp Maker, 72, Juna Topkhana Road, Indore City.

KRISHNA CYCLE COMPANY, 14, Maharani Road, Indore City; Importers & Manufacturers' Representatives in Cycles, Parts, Petromax and Parts.

Madhyam Vargeya Vyaparik Limited, 26, Gandhi Road, Indore City. Dealers in Radios and Fancy Silken and Woollen Cloth.

Malwa Traders, Maharani Road, Indore.

Nalk, K. G., R.C.C. Specialist, Designer, Builder, Contractor, 33, Juna Kaserabakhil, Indore City.

Paspalnath, G., General Merchant and Commission Agent, 62, Siyaganj, Indore.

Patel Shah & Co., Hardware Merchants, Maharani Road, Indore City.

Pioneer Dairy Farm, Oil and Flour Mills. Manufacturers of Table Butter and Ghee, Manorama Ganj, Indore.

Poorer Brothers, Typewriter Dealers and Repairers and General Merchants, 68, Topkhana Main Road, Indore.

Rajputana Motors, Ford Car and Truck Distributors for Madhya Bharat, Bhopal, Kotah, Bundi, Jabalwar and Udaipur.

THE HUKAMCHAND MILLS, LTD. INDORE

Managing Agents: Sir Hukamchand & Mannalal Co.

Office: Mill Premises. Telegrams: Textiles.

Telephone No. Indore 6095.

(Chaddars, dhoties, drills, striped and plain, jeans, cambrics, lawns, shirtings, longcloths, khadi, blankets, checks, cashmeres, coatings, sushis, sarrees, twills, tent cloth, etc.); 45904 spindles (468 Mule, 43,920 Ring, 1,136 doubling, 380 waste); counts 1s 3s, 4s, 6s, 13s, 14s, 18s, 24s, 30s, 36s; 1,443 looms; cloth width 27-72 inches; also bleaching, dyeing, calico printing and calendering; and yarn dyers.

Managing Directors: Danvir Seth Mannalalji Onkarmalji and Shri R. C. Jall, M.A., LL.B.; Manager: Shri K. A. Desai, Chief Engineer: Shri I. B. Pathak, Spg. Master: Shri R. N. Kotwal; Wg. Master: Shri M. C. Jherwar; Dyeing & Bleaching Master: Shri K. G. Patkey.

THE BANK OF INDORE LIMITED

(Incorporated in Indore, 1920)

Authorised Capital	..	..	..	..	..	Rs. 50,00,000
Subscribed Capital	..	..	..	..	..	Rs. 30,60,750
Paid-up Capital	..	..	..	..	..	Rs. 15,30,375
Reserve Fund	..	..	..	..	..	Rs. 24,00,000

Safe deposit lockers are available at Head Office, Siyaganj Cloth Market, Indore Branch Offices, Mhow, Ratlam, Tarana and Ujjain on favourable terms.

Head Office: **PRINCE YESHWANT ROAD, INDORE.**
 Bombay Offices: **FORT & BHULESHWAR.**
 Branch Offices: **CLOTH MARKET, SIYAGANJ and SANYOGITAGANJ (INDORE CITY).**
 Branches: **ANJAR, KHARGONE, MHOW, RATLAM, SANAWAD, TARANA and UJJAIN.**
 Pay-Offices: **JAORA and SENDHWA.**

N. D. JOSHI,
Manager.

★

BANKING BUSINESS OF EVERY DESCRIPTION TRANSACTED

Ramaji Kishanlal Modi & Sons, 13, Sardar Bazar, Dhar.

Rising Sun Watch Co., 1he, 67, Mahatma Gandhi Road, Indore City.

SANGHI BROTHERS (INDORE) LTD., Indore. Austins and Bedfords Distributors for Madhya Bharat and Bhopal Agents, Air Services of India Ltd., Agents for Godrej Steel Goods, Madhya Bharat.

STATIONERY AND PAPER MART, THE, 4/11, Ranipura Main Road, Indore City (India). Wholesale Stationers, Specialists in Art, Drawing and Survey Instruments and Equipments and General Suppliers. Phone : 6186.

Girams "MANGAL" Estd 1915. Phone No 1

SURAJMAL MUNNALAL

S V O C Agents and Registered Stockholder of Iron & Steel DHAR (Madhya Bharat)

Branches BARNAGAR (W. Rly), RADNAWAR (M B)
Stockists for —Petrol Kerosene, Light-Diesel, Oils, Mobil-power, Iron and Steels, Motor Parts, Mill Gin Stores, A C Roofing sheets and pipes, etc., etc

SWADESHI COTTON AND FLOUR MILLS LTD., Shilnath Camp, Indore (Madhya Bharat), Managing Agents : Jagannath Narayan & Co. Tel. Address : "SWADESHI." Tel.

No. : Indore 486. 24968 Ring Spindles, 556 Looms. Manufacturers of Grey Sheeting, Long Cloth, Coatings, Kashmiras, Twills, Drills, Dots and all types of Dyed, Bleached and Printed Piece-goods. Largest Exporters of Piece-goods in Madhya Bharat.

Surajmal Munnalal, Dhar, Madhya Bharat.

The College Stores, Mahatma Gandhi Road, Indore.

The Jaora High Class Confectionery Works, Jaora.

The Union Stores, Mahatma Gandhi Road, Indore

Typewriting and Shorthand Institute, Typewriter Dealers, Book-sellers and General Merchants, Topkhana Main Road, Indore.

Tyeebi Dawakhana Unani (Indore) Ltd., Unani Laboratory for Indian Pharmaceutical and Chemical Products, 19, Bohra Bazar, Indore.

Varma Metal Turning Works, 27, Gorakund, Indore (M B)

Vasanji Torkhia, A. & Co, Manufacturers' Representatives, Exporters of Tamarind, Oil Cakes, etc., 35, Sutargall, Indore City (M.B)

Venus Medical Stores, Dealers in Patent Medicines, 72, Maharani Road, Indore City.

Wazir Mohamed Noormohamed, Cloth Merchant, Cloth Market, Indore City.

THE BINOD MILLS COMPANY LIMITED

(Including THE DEEPCHAND MILLS)

Established in 1914 under the Patronage of H. H. Maharaja Scindia.

Paid-up Capital Rs. 60,00,000 • Divided into Shares of Rs. 100 each.

Cotton Spinners, Weavers and Manufacturers of Absorbent Cotton Wool and Lint, Art Silk Fabrics, Textile Auxiliaries, Oils, Washing and Toilet Soaps and small Oil Engines, Dyeing and Bleaching Machinery, Cast Iron Pipes and Specials Machinery Spare Parts, etc., etc.

UJJAIN - MADHYA BHARAT

Telegrams : "BINOD". Phone No 11. Codes used : A B C 5th and 6th Editions and Bantleys



Rai Bahadur Seth Lalchand B. Sethi, Chairman and Managing Director.

Total No. of Spindles at work—Binod : 35,968. Deepchand : 21,344. Total No of Looms at work—Binod : 860. Silk Looms : 60. Deepchand : 480. Total No. of hands employed : 5,000.

Secretaries, Treasurers and Agents :
Seth Binodiram Balchand.

Auditors :
Messrs. S. B. Bilmoria & Co.,
Registered Accountants.

Type of goods produced :
All kinds of Dyed, Bleached, Printed, Grey Cloth, Absorbent Cotton Wool and Lint, Sitins, Voiles and Georgettes, Etc., Etc., Etc.

Other Concerns : Binod Art Silk Mills, Bhupendra Iron and Metal Works, Naresh Ginning and Pressing Factory, Naresh Oil Mills, Narendra Chemical Works, Binod Ginning Factory, Kailash Soap Works, Pradeep Tape and Webbing Factory, Rajendra Pressing Factory, Agar.

Other Directors : 1. Sir Seth Hukamchand Sarupchand, Kt., 2. Vanijya Bhushan Seth Nemichand B. Sethi, 3. Seth Bhanwarlal D. Sethi, 4. Danvir Seth Mannalal Omkarmal, 5. Seth Jawerilal Ramlal Gangwal, 6. Mr. R. C. Jall, M.A., LL.B., 7. Mr. Kailashchand B. Sethi, 8. Seth Chandmal Srikishna.

MYSORE*

Area : 33,189 square miles (after merger of Bellary).

Population before the merger of Bellary : 9,074,972 (Males 4,657,409; Females 4,417,563).

Population after the merger : About one crore.

Capital : Bangalore.

Names of Districts with names of District Headquarters : Bangalore, Mysore, Mandya, Hassan, Chikmagalur**, Shimoga, Chitaldrug, Tumkur, Kolar and Bellary. The above are also names of District Headquarters.

Number of talukas : 82.

Number of District Boards : 10.

Number of municipalities : Town and Minor 105; City 4.

Number of panchayats : 12,610.

Number of villages : 16,517.

Names of towns with a population of over 50,000 : Bangalore, Mysore, Kolar Gold Fields, Davangere, Bellary.

Strength of the State Legislative Council : 40. Strength of the State Legislative Assembly : 100. (Elected 99; nominated Anglo-Indian 1). (The Delimitation Committee has proposed 117).

Number of members returned to the House of the People : 11 (The Delimitation Committee has proposed 13).

Number of members returned to the Council of States : 6. Total income of the population : About Rs. 225 crores.

LARGE-SCALE INDUSTRIES

Main large-scale industries in the State with location : Textiles (Bangalore, Davangere, Mysore), Engineering (Bangalore, Harihar), Mineral and Metal (Bangalore, Bhadravati, Kolar, Shimoga), Food, drink and tobacco (Bangalore); Chemicals, dyes, etc (Bangalore, Mysore), Paper and printing (Bhadravati, Nanjangud and Bangalore); Process relating to wood, stone and glass (all over the State); Process connected with hides and skins (Bangalore); Gins and presses (Davangere and surrounding areas).

Industries owned by Government : The Central Industrial Workshop, Bangalore; The Mysore Iron and Steel Works, Bhadravati; The Government Soap Works, Bangalore; The Mysore Silk Weaving Factory, Mysore; The Government Porcelain Factory, Bangalore; The Mysore Implements Factory, Hassan; The Government Dichromite Factory, Belagola, near Mysore; The Government Electric Factory, Bangalore and The Silk Filature Factory, Kanakapura.

Other major industries : The Hindustan Aircraft Ltd., Bangalore; The Indian Telephone Industries, Bangalore; The Radio & Electrical Manufacturing Co., Bangalore; The Mysore Lamp Works, Bangalore; The Mysore Match Company, Shimoga; The Mysore Paper Mills, Bhadravati; The Mysore Sugar Company, Mandya and The Mysore Industrial & Testing Laboratory Ltd., Bangalore.

Total number of registered factories : 579.

Number of factories in individual industries : Textiles (115); Engineering (86); Minerals and Metals (88); Food, drink and tobacco (140); Chemicals, dyes (50); Paper and printing (23); Process relating to wood, stone and glass (63); Process connected with hides and skins (80); Gins and presses (22); Miscellaneous (13).

Total number of workmen employed in the State : 106,231.

Number of workers employed in individual industries : Textiles (28,044); Engineering (28,632); Minerals and Metals (29,852); Food, drink and tobacco (12,218); Chemicals, dyes

(2,509); Paper and printing (2,430); Process relating to wood, stone and glass (3,610); Process connected with hides and skins (1,753); Gins and presses (981); Miscellaneous (1,187).

(About 60 per cent of the industries in the State is controlled by the Government.)

COTTAGE INDUSTRIES

Main cottage industries : Leather stitching and ornamental work, faying, brass works, tannery and smithy, pottery, mat weaving, lacquerware, carpentry, basket-making, tile-making, hand-made paper, coil industry, rattan industry, sandal-wood and ivory inlay works, toy-making, druggists, palm gur from Nira, agarbatti, glazing, etc.

Number of cottage industries under the Department of Industries : 53.

Budget allotment for the development of cottage industry for 1953-54 : Rs. 4,00,000.

The raw silk industry is carried on on a cottage industry scale; about 55,000 families are directly engaged in this industry; total production 160,000 lbs.; income to the Government : Rs. 6 crores.

Value of total production of cottage industries : Rs. 61,858-12-5.

Value of production of individual industry : Tannery (Rs. 3,220); Leather stitching (Rs. 440-9); Smithy (Rs. 32,216-15-7); Pottery (Rs. 4,489-4); Rattan (Rs. 1,833-9-9); Mat-weaving (Rs. 1,402-9); Coil Centre (Rs. 3,800-15); Hand-Made Paper (Rs. 1,503-2); Lacquerware (Rs. 368-9-10); Volegari (Rs. 490); Carpentry (Rs. 3,659-3-11); Tailoring (Rs. 1,864-9-7); Brass Works (Rs. 1,785); Palm-Gur (Rs. 847-14); Oil Gana (Rs. 3,133-2-11); Glass Bangles (Rs. 802-4-10).

Total number of workers in cottage industries : About 25,000 (excluding the silk industry).

Budget grant for the year 1953-54 : Rs. 4,00,000.

Chief minerals local quantity (annual average) : Gold (Kolar, 170,000 ounces, Bellary, 1,700 ounces), Iron Ore (Bhadravati), Asbestos (Chikmagalur and Bangalore districts, 30 tons), Chromite (Mysore, Mandya and Shimoga districts, 9,893 tons); Manganese (Shimoga, Chitaldrug and Tumkur districts, 1,558 tons); Mica (Mandya, Hassan, Mysore and Shimoga districts, 26.8 tons); Kayolin (Bangalore, Chikmagalur districts, 10,390 tons). Other minerals (Corundum, feldspar, kyanite, magnesite, copper, lead, antimony, lime-stones, soap-stones and ornamental stones found in various parts of the State).

Total number of men employed : About 35,000

Number of men employed in each mineral industry : Gold (25,900), Other minerals (10,000).

Total value of mineral production in 1951 : Rs. 6,97,20,082.

AGRICULTURE

Main food crops : Paddy, Ragi, Jawar.

Main cash and other crops : Sugarcane, fruits, coffee, areca, spices, coconuts, oilseeds, cotton, tobacco, mulberry, potato and tea.

Total production of food crops : 950,000 tons (under normal conditions).

Total production of individual food crops : Paddy (600,000 tons); Ragi and Jowar (450,000 tons).

Production of cash and other crops : Sugarcane (1,416,000 tons); Coffee (13,000 tons); Areca (14,000 tons); Coconuts (35,159,600 nuts); Groundnut (132,000 tons); Cotton (20,200 bales); Tobacco (6,800 tons); Tea (1,253 tons).

Area of the State in acres : 18,868,480 acres. Area cultivated : 6,655,732 acres.

Area of uncultivable land : 5,210,259 acres.

Area under dry cultivation : 5,500,000 acres.

Area under wet cultivation : 1,100,000 acres.

Area under food crops : 5,200,000 acres.

Area under other crops : 1,450,000 acres.

Area under individual main food crops : Paddy (795,000 acres), Ragi (2,200,000 acres); Jawar (580,000 acres).

Area under individual cash and other crops : Sugarcane (18,000 acres); Coffee (10,000 acres); Areca (30,000 acres); Coconuts (176,000 acres); Groundnut (227,000 acres); Cotton (85,000 acres); Tobacco (22,000 acres); Potato (11,000 acres); Potato (sweet) (6,500 acres); Mulberry (105,000 acres); Condiments and Spices (100,000 acres); Tea (4,877 acres); Fruits (70,000 acres); Oilseeds excluding Groundnut (280,000 acres).

Area possibly available for further cultivation : (through reclamation measures) : 2,034,578 acres.

Plantations in the State : Coffee, tea, coconut, areca.

Total area under plantation : 350,000 acres.

Number of Workers : 60,000.

Fruit gardens : Orange, Mango, Banana

Total area under fruits : 70,000 acres.

Kinds of fruits : Orange, mango, banana, pomegranate, apples, papai, etc.

Kinds of vegetables : Beans, brinjals, carrots, cabbage, tomato, lady's fingers, cucumbers, etc.

Variety of fish : Inland fish.

Quantity of each variety annually in basket : Catfish (12,000), Murrela (12,600); Carps (9,000); Others (9,600).

Value : Rs. 10,00,000.

Strength of fishing population : 400,000.

Total forest area in the State : 4,448 sq. miles.

Location of forests : Shimoga, Chikmagalur, Hassan, Mysore, Bangalore districts.

Total revenue from forests for the year and total expenditure : Estimated revenue for 1953-54 : Rs. 75.21 lakhs. Estimated expenditure for 1953-54 : Rs. 38.21 lakhs.

Main forest produce : Teak (900,000 cft.); Sandal wood (2,000 tons); Green wood & Charcoal (150,000 tons); Lac (500 tons).

Afforestation, if any, undertaken during the year 1952-53 : 4,000 acres.

Number of cattle : 57.8 lakhs.

Number of horses : 25,418.

Number of sheep : 42.9 lakhs, Goats : 28.5 lakhs.

Other livestock : Mules (313); Camels (162); Pigs (88,877).

Number of fowl : 35.1 lakhs.

TRANSPORT

Total mileage of roads : 10,978 miles.

Mileage of metal roads : 4,952 miles.

Mileage of unmetalled roads : 5,377 miles.

Concrete and asphalted roads : 467 miles.

Mileage of roads maintained by P.W.D. : 2,315 miles (including 330 miles of national highways).

Mileage of roads maintained by district boards : 4,680.

* Unless otherwise stated the figures given refer to those before the merger of Bellary into Mysore State. For some particulars about Mysore after the merger of Bellary see end of article.

** Also called Kadur.

Total mileage of railways in the State: 760.
 Number of aerodromes: Four.
 Number of passenger service buses: 1,860.
 Number of goods carrying trucks and lorries: 3,400.
 Number of taxis: 200 (Autorickshaws: 120 excluded).
 Number of private cars: 7,700 (Motorcycles: 2,500).
 Number of post offices: 850, Telegraph offices: 125.
 Number of telephone exchanges: Four.
 Number of broadcasting stations: One (in Mysore).

Transport has been nationalised in the State under the name of Mysore Government Road Transport Department. It is a Government department.

Capital invested: Rs. 28,58,092.
 Total mileage covered: 11,200 per day.
 Names of routes covered by nationalised passenger services: Bangalore-Mysore, Mysore-Gundlupet, Mysore-Nanjund, Bangalore-Belur, Bangalore-Tumkur, Bangalore-Doddaballapur, etc.
 Six routes have been monopolised.
 Number of passenger vehicles: 179 (in actual operation: 95).
 Total number of passengers carried in a year by authority: Daily average: 10,742.
 Total expenses of authority: Rs. 40,80,000 (in 1952-53).
 Total income: Rs. 30,30,000 (in 1952-53).
 Profit/Loss: Rs. 4,50,000 (Loss).
 Number of main and sub-workshops for repair and overhaul: One.

TRADE

Statement showing the total Imports and Exports of merchandise by Rail and Road arranged under four main groups during the year ending 31st March 1952 (1951-52)

Main Groups.	Imports		Exports	
	Quantity in Railway mounds	Value in Rupees	Quantity in Railway mounds	Value in Rupees
Food, Drink and Tobacco	7,160,726	19,34,47,488	2,572,300	6,94,92,292
Raw-materials	9,977,226	26,95,40,996	2,003,118	5,41,15,430
Articles wholly or mainly manufactured	5,942,700	16,05,45,742	2,287,556	6,17,99,755
Miscellaneous	74,691	20,17,824	37,707	10,18,678
Total	23,155,343	62,55,52,050	6,900,679	18,64,26,155

Note.—The figures furnished above are provisional and tentative.

POWER PROJECTS

Total capacity of power plants installed in the State: 22,400 kva.

Total effective capacity: 179,200 kW

Production during the year 1952-53: 550 mKWH.

Number of units generated: 550,327,300.

Number of units sold by the Government to industries, domestic establishments, etc.: 418,359,155.

Names of power stations now in operation with their capacity within brackets: Mahatma Gandhi Hydro-Electric Station: (Jog Falls—Shimoga Dist.) (12,000 kW); Shimsha Station: (Shimshapura—Mandya Dist.) (17,200 kW); Shivassamudram Station (42,000 kW).

Power projects under execution—their location, etc.:

1. Bhadra project, Chikmagalur Dist., capacity 14,000 kW cost Rs. 20 crores. The project was started in 1948 and is to be completed in 1963. When completed, it will be one of the biggest multi-purpose projects in the country. The Union Government and the Mysore Government have both financed the scheme, but execution of the project may be delayed as it is not included in the Five-Year Plan.

2. Honnemaradu project, Shimoga Dist., capacity 340,000 kW cost Rs. 10 crores. The initial survey has been completed. The State Government will finance the project and no Central aid is expected. The scheme is not included in the Five-Year Plan.

Estimated rise in output: 432,600 kW.

Power projects planned but not executed: Mekedatu project, Mysore Dist., capacity 22,000 kW cost Rs. 8 crores. The scheme has been worked out and is to be taken up immediately the State Government can finance it.

IRRIGATION

Total area irrigated: 963,261 acres (By masonry wells 70,000 acres, by tanks 679,014 acres, by Government Irrigation works 241,217 acres)

Location of larger irrigation works, their capacity, etc.:

1. Vanivilas Reservoir, across the Vedavathi river in Chitaldrug Dist. Its capacity is 30,000 mcf. The dam is 142 feet high and 1,330 feet long. The area of waterspread of the reservoir is about 34 square miles. The speciality of this work is the use of surki mortar in place of cement. The dam is perfectly water-tight and is a work of beauty and skill.

2. Krishnarajasagar, across the river Cauvery in Mysore District. Length of the dam 8,600 feet; height 130 feet above the river bed. Depth of storage 124 feet, capacity 44,000 mcf. The dam is built of stone masonry and surki mortar. One of the biggest irrigation works in India, the scheme is intended to irrigate 125,000 acres of land of which about 90,000 acres have already been developed.

3. Anjanapur Reservoir, across the river Kumudavathi in Shimoga Dist. Height 70 feet; length 4,200 feet; capacity 600 mcf. Twelve thousand acres of land are fed by the reservoir which has possibilities of further extension.

4. Marconahalli Reservoir, across the river Shimsha in Tumkur Dist. The dam is 65 feet high. The speciality of the dam is the introduction of volute siphons (invented by Mr. V. Ganesha Iyer, Retired Superintending Engineer, Mysore) in the body of the masonry dam for the disposal of floods. The extent of irrigation developed so far is 10,000 acres and there is scope for further extension by utilising the seepage water. The capacity of the reservoir is 2,300 mcf.

5. Kanva Reservoir, in Bangalore district. Length 4,700 feet; height 60 feet; capacity 1,000 million cft. Designed to irrigate 5,000 acres of which 3,000 acres have been so far developed. Five hood siphons each of dimensions 17 feet long and eight feet deep as designed by Mr. V. Ganesha Iyer have been installed for the disposal of flood waters.

6. Hirebhasgar Reservoir, across the river Sharavati in Shimoga Dist. Storage capacity 25,000 mcf.; length 1,150 feet; maximum height 100 feet. Water stored in this reservoir is to be utilised only for power generation at the Mahatma Gandhi Hydro-Electric Works at Jog Falls.

Irrigation projects in execution, their location, etc.:

1. Tunga Anicut Project, across Tunga River in Shimoga Dist. Started in 1947, to be completed in 1956. Expected to irrigate 27,000 acres. Cost Rs. 2 crores. Financed by the State Government.

2. Nugu Reservoir in Mysore District. Acreage expected to be irrigated 20,000. Started in 1948, to be completed in 1956. Capacity 3,500 mcf. Cost Rs. 2.2 crores, borne by the State Government.

Estimated rise in output of food after completion: 1½ lakh tons.

Irrigation projects planned but not executed: Kabbini reservoir (Mysore District); Dandavati reservoir (Shimoga Dist.); Extension of the Vishvesvaraya Canal (Mysore Dist.); Homavati reservoir (Hassan Dist.); Jambadahalla reservoir (Chikmagalur Dist.); Pennar-Kumudavati reservoir (Kolar District).

(The above constitutes a skeleton plan of irrigation developments for the ten-year period after the completion of the five-year plan.)

Estimated rise when completed: About one lakh tons of food.

LAND RECLAMATION

Area of land reclaimed by the State tractor organisation: 35,000 acres.

Ratio of reclaimed land to land reclaimable: 1/60

Area developed: 10,796 acres

Number of tractors available: 121. (Also 25 bulldozers.)

Number of families settled: 1,960 families, comprising 8,436 persons (in 1952).

Basis of settlement: Individual farming.

Financial and other help given to colonisers: A total sum of Rs. 2,56,077 was disbursed during 1952 by way of rehabilitation loans, trade, business and industry loans.

Number of lift irrigation wells: 4,460 by power.

Number of diesel oil engine wells: 660.

Area rendered free of malaria, etc. through use of D.D.T.: One third of the State.

Area of State farms: 13 farms: nearly 2,000 acres.

CIVIL SUPPLIES

Rationing has been abolished all over the State.

Monthly requirements of State according to quota: About 115,000 tons of food grains were received by the State Government during 1952.

State's requirements per year: 1,150,000 tons (Wheat: 1 lakh tons; millets: 5 lakh tons; rice: 5 lakh tons; Kerosene: 50 lakhs gallons; cloth: 5,000 bales; yarn: 24,000 bales).

Articles in which the State is deficit: Rice (20,000 tons); Wheat (40,000 tons); Millets (20,000 tons).

Procurement in 1952: Paddy (1,783,262 pallas); Wheat (14 pallas); Raggi (310,184 pallas); Jola; (Jowar) (24,549 pallas); Other grains (18,167 pallas).

CO-OPERATION

Number of Co-operative Societies : 5,186

Total membership : 5.5 lakhs.

Working capital : Rs. 7 crores.

Paid-up capital : Rs. 1.5 crores.

Types of co-operative societies etc. and their number as on 31st December 1952 : Central co-operative banks : 5; Central co-operative societies : 9; Village co-operative societies : 3,454; Urban co-operative societies : 281; Land Mortgage co-operative societies : 80; Agricultural Products Marketing co-operative societies : 84; Housing co-operative societies : 101; Milk co-operative societies : 29; Weavers' co-operative societies : 101; Women's co-operative societies : 40; Employees and Labourers co-operative societies : 196; Other co-operative societies : 806.

Number of central and district co-operative banks : 5.

Provincial Co-operative Bank. The Mysore Provincial Co-operative Apex Bank Ltd., Bangalore.

Budget allotment for the year 1953-54 : Rs. 1,55,100.

STATE HELP FOR AGRICULTURE

Manures distributed under State auspices and their quantity : 50,388 tons (from 1919 to 1952) including compost, oil cakes and fertilizers.

Quantity of improved seeds distributed : 7,685 tons.

Agricultural implements distributed or loaned : Tractors : 22; Irrigation pumps : 311.

Monetary or other help given to cultivators.

During 1951-52, 812 wells benefiting an area of 1,624 acres were sunk. Eighteen major irrigation works at a total cost of Rs. 1.03 crores were pushed through, 134 tanks were restored, 55 tanks desilted, two lift irrigation schemes in river valleys were undertaken, 1,700 tons of paddy, 1,802 tons of ammonium sulphate, 959 tons of superphosphate and 3,416 tons of groundnut cake were distributed, 3.7 lakh tons of compost were prepared in urban and rural areas, over Rs. 21 lakhs worth of implements were supplied to cultivators, 10,000 acres tractor ploughed and 1,000 acres bulldozed, 80,000 acres were protected against pest and diseases.

Amount spent for land improvement and loan during 1952-53 : Rs. 253,650; Subsidy grant and loan : Rs. 388,000.

Taqavi loan and land improvement loans were given to 9,687 families excluding 101 Harijan families.

Fallow land distributed among cultivators 239,774 acres.

Taqavi and other loans : Rs. 12,23,506

Number of agricultural experimental farms : About 20.

Plant protection organisation and its operation: The Entomological Section of the Agricultural Department is in charge of the control and eradication of plant pests. Kerosene film treatment against ground beetles, application of the

powder of the stem and root bark of the fish poison plant mandala suberosa to prevent damage from pulse beetles, trash heap traps and earthing up for sugarcane borers are a few of the novel methods of pest control evolved by this Section. The Mycology Section is one of the few departments in India which have a spraying organisation to combat disease as large and as well knit as the Mysore Agricultural Department has. The discovery of the organism causing Koleroga of coffee and the working out of its complete life history, the study of Anaheroga of areca and coconut, the study of coffee diseases and the technique of spraying and the discovery of intracellular bodies in the sandal spike diseases are some of the notable contributions by the Department in regard to plant protection.

Targets set for food or cash crops under the Five-Year Plan : Food : Two lakh tons (more). Cotton : 120,000 acres (more) under cotton.

Rise in production : Estimated additional production of food grains owing to intensive food production drive : 1949-50 : 43,448 tons; 1950-51 : 69,828 tons.

Highest yield per acre of different crops : (1952-53 Monsoon Season) : Paddy (4108 25 lb.), Ragl (2093.75 lb.); Jowar (1300 00 lb.), Bajra (1956.25 lb.); Castor (1285.00 lb.); Cotton (863.75 lb.).

Budget grant, for work outlined above : (1953-54)

Establishment of Agricultural College, Hebhal (Rs. 2,59,800), Investigation on the biological control of sugarcane pests (Rs. 53,400), Starting additional Kannada agricultural schools (Rs. 56,400); Propaganda and demonstration (Rs. 71,000), Starting more experimental farms in the State (Rs. 42,900), More demonstration farms in Taluk headquarters (Rs. 7,600), Departmental cultivation of lands at Malavalli, etc. (Rs. 14,300), Reorganisation of department (Rs. 85,100), Tractor and lorry service in State (Rs. 12,30,200), Multiplication and distribution of improved varieties of seeds (Rs. 10,60,200); Manufacture and distribution of rural compost (Rs. 6,50,200); Protective measures against pests and diseases (Rs. 82,300); Subsidy for construction of irrigation wells (Rs. 3,75,000), Miscellaneous (Rs. 6,68,000).

Number of veterinary experimental stations : 23.

Number of veterinary hospitals : 206 (One for every 18,200 animals and one for every 141 sq. miles)

Budget allotment for 1953-54 : Rs. 12,48,000

LAND TENURE

Land tenure system in the State : Mainly Ralyatwari. At some places the Bataya system that of equal division of the crop between the Government and the cultivator - and Inam and Jodi systems (land gifts) are in force.

Number of cultivators living under such system : Nearly 80 per cent under Ralyatwari.

Names of tenancy acts in force : The Mysore Tenancy Act, The Cultivation of Fallow Lands Act.

Important provisions of each act : The Mysore Tenancy Act has the object of fixing fair rents to lands rented out for cultivation. The Cultivation of Fallow Lands Act empowers the Government to force a landlord to cultivate cultivable land or take such land in its own hand for cultivation.

Name of law passed, for non-proprietary rentier class : The whole tenure system has been re-examined by a committee recently appointed by the Government and the recommendations of the committee are before the Government. One of the important recommendations is the abolition of the Inam and Jodi system.

PUBLIC HEALTH

Commonest diseases in the State giving mortality in 1952 within brackets : Malaria (13,295), T.B. (3,202).

Epidemics : Plague (1,122); Smallpox (3,213); Cholera (3,185).

Other diseases and number of patients treated at Government Hospitals : Diseases of Nervous system (147,139), Diseases of digestive system (473,102); Diseases of teeth and gums (78,755); Gonorrhoea (32,221); Syphilis (1,913).

Number of allopathic hospitals : 87.

Number of allopathic dispensaries : 404.

Allopathic institutions : Urban (99), Rural (491).

Number of beds : 5,461

Number of ayurvedic and unani dispensaries : 3,250 (Nearly 75 per cent of these are in rural areas)

Number and type of special hospitals : T.B. Sanatoria : 4; Hospitals and clinics : 6; Mental Hospital : 1; Loper Asylum : 1; Ophthalmic : 1; Epidemic Diseases hospital : 1.

Number of indoor patients treated in hospitals (Government) in 1952 : 150,140.

Number of outdoor patients : 7,385,654.

Number of Government hospitals : 108

Number of doctors : Surgeons : 28; Assistant Surgeons : 140; Medical probationers and doctors : 515.

Number of nurses : 456

Number of compounders : 339.

Medical colleges giving number of students within brackets : Medical College, Mysore : Allopathic (410), Ayurvedic College, Mysore : (130); Unani College, Mysore : (10); Medical School, Bangalore : (466).

Medical Research Institutions : Pathological Laboratory (attached to Victoria Hospital, Bangalore); Cancer Research Institute (Victoria Hospital, Bangalore); Malaria Research Institute, Sakaleshpur; Ramanagaram Nutrition Centre; Central Vaccine Institute.

Strength of Health Officers : About 200.

Budget allotment for 1953-54 : Rs. 42.84 lakhs.

(The State has 502 medical institutions, one for every 59.8 sq. miles. It also has 175 health centres).

EDUCATION

Class of Institution	Number	Total enrolment	No. of teachers or Professors	Total expenditure Rs.	Contribution by State Govt. Rs.	Funds and contributions Rs.	Fees Rs.
Nursery Schools	64	4,057	100	5,43,277	4,06,282	63,248	13,747
Primary Schools	10,474	639,635	20,909	1,31,84,460	1,29,07,116	2,33,686	43,668
Middle Schools	703	162,717	4,769	41,15,307	37,74,503	2,07,853	1,32,947
High Schools	217	65,730	2,590	41,14,808	17,46,494	8,53,036	15,15,278
European and Anglo-Indian Schools	20	1,400					
Sanskrit Patashalas	86	2,394			2,10,000		
Arabic Madrasahs	1,300						
Arts and Science Colleges	25	15,348	701	20,73,318	9,62,121	83,969	10,27,228
Professional Colleges	11	4,295	317	10,12,771	6,05,357	17,339	3,90,075
Teachers' Training Institutions excluding degree institutions	9	1,523		9,18,000	Borne entirely by State.		
Teachers' Training Institutions conferring degrees	1	76					
Commercial and Technical Institutions	75	8,019	455	17,37,677	13,96,728	80,050	2,60,899
Schools for defectives	2	126					

Names of research institutes and other notable institutions : Indian Institute of Science, Bangalore ; Central Food Research Institute, Mysore ; Indian Dairy Research Institute, Bangalore ; Sir C. V. Raman's Institute, Bangalore.

Name and location of University : University of Mysore. The University has both Constituent and affiliated colleges.

Grant by State for 1953-54 : Rs. 46,00,000.

Number of adults socially educated in a year : 30,339.

Number of adult education classes : 2,093.

Contribution by State Government : The Adult Education Council is a non-official council and gets a grant of Rs. 5 lakhs.

Degree of literacy in State : 20.6 per cent (30.2 per cent among males and 10.3 per cent among females.)

Total number of institutions in the State : 13,888.

Total number of pupils in the State : 927,133.

Elementary education is compulsory in nine talukas : Bangalore, Chikmagalur, Chitaldrug, Hassan, Kolar, Mandya, Mysore, Shimoga and Tumkur talukas.

Of 121,000 children of 6-10 age group, 86 per cent are attending school. The percentage of enrolment in the whole State is 63 per cent.

Technique of social education : The Adult Education Council, which is a non-official body entrusted with the work is now a well organised group doing planned work every year, with an annual budget of five lakhs of rupees.

In the last year nearly 2,093 adult literacy classes were held, their strength was 42,179. The number of persons made literate was 30,339, new rural libraries started 85, and total number of adult education libraries 2,116.

Social service camps for students, development of folk arts, visual education, bhajans, harikirtans and dramas are some of the activities undertaken in this connection. Classes are held daily and weekly. Most of them are night classes.

Certificates are given after the completion of the course. Literacy, library service and follow-up of literacy, training of village leaders, general education through films and talks, revival of folk arts and crafts, publishing books for adults made literate, organising social service camps and community centres have been items of the work of the Mysore State Adult Education Council. Their Vidyapeetha Scheme for training village leaders has won appreciation of international organisations.

Plans for educational reconstruction or expansion : A 40-man committee appointed by the Government in September 1952 submitted its proposals in February 1953 for the reorientation of the educational system in the State. The Committee has made suggestions for the remodelling of education at all stages, laying down the future lines of policy. These suggestions are under the consideration of the State Government.

Place of language in the educational system in Mysore : The Regional language, Kannada, is compulsory at primary and middle school stages (eight years). It is not compulsory at secondary schools and University stages.

In 1949 Hindi was made a compulsory subject of study in all High Schools, a pass in this language being required for promotion from class to class. But it was not prescribed as a subject for the S.S.L.C. examination as it was considered that this would make the burden of languages too heavy under the existing scheme. The teaching of Hindi in High Schools is continued for three years.

The teaching of English becomes compulsory from the first year of Middle School and onward. It is continued all through the Middle School (four years), the High School (three years), Intermediate (two years) and degree classes, barring Engineering and Medicine. The medium of instruction at the College stage is English. At the High School stage, however, instruction is given both in English and Kannada, the students being given the option to choose the medium of instruction.

There has been no official proposal to replace the English medium at the University stage by the Kannada medium. The Educational Reforms Committee, appointed by the Government, has recommended that English should continue to occupy the same position as heretofore.

Working of Wardha Basic Education : A scheme of Basic Education was launched in 1947 by the establishment of a training centre at Vidyannagar, a village about 14 miles from Bangalore, to provide teachers for basic schools, run along the lines inspired by Gandhiji's Nayi Talim.

The course of study includes principles of basic education, organisation of community life, community and personal cleanliness, production of cloth and food, social education in villages, cultural education, i.e., literature, religion, history and science.

The Institute covers a campus of 81 acres amidst rural surroundings and is residential. So far about 276 teachers have undergone training and about 50 teachers are being trained. The trained teachers are now working in 104 basic schools, which have been started in different parts of the State during the last five years.

Names of public examinations which a student has to take during school :

1. Lower Secondary Examination conducted by the Department of Public Instruction.

2. Secondary School Leaving Certificate Examination conducted S.S.L.C. Board. Number of students appeared in 1953 : 19,818. Percentage of failure : 67.

LABOUR

Average daily number of workers in registered factories : (Men 72,000, Women : 8,000, Children : 500)

Number of industries in which a minimum wage is fixed : All industries mentioned in the Central Minimum Wages Act and minimum wages fixed according to provisions of the Act.

Cost of living index : The working class cost of living index in March 1953 : for Bangalore : 344.1 points ; for Mysore : 347.8 points. (These are calculated with 1935-36 as the base.)

Number of strikes in 1952-53 : Ten as against 13 in the previous year. The Central Industrial Disputes Act is in force.

Number of trade unions : 16.

Total membership : 60,574 (74.3 per cent)

Number of labour welfare centres : 4.

HOUSING AUTHORITY

Names of the Authority : The Mysore Labour Housing Corporation.

Finance available for Housing : About Rs. 1 crore.

Sources from which finances are drawn : Both from the State Government and the Government of India. Three per cent levy on the earnings of a labourer drawing less than Rs. 150 is collected from employers for labour housing schemes.

Different classes of houses : One-room tenements, each costing about Rs. 2,700.

Rate of rent : 7½ per cent of cost or 10 per cent of the wages of an employee, whichever is less.

The Corporation which started functioning only in December 1952 has built about 500 houses, through the City Improvement Trust.

ADMINISTRATION

RAJPRAMUKH

His Highness Maharaja Sri Jaya Chamaraja Wadiyar Bahadur, G.C.B., G.C.S.I., Maharaja of Mysore.

RAJPRAMUKH'S PERSONAL STAFF

Private Secretary, Saifi Durashah.

Huzur Secretary, H. N. Pallegar.

COUNCIL OF MINISTERS

Chief Minister-in-Charge of Finance, Political Department, Planning, etc., K. Hanumanthalya.

Law and Education, A. G. Ramachandra Rao.

Public Health and Local Self-Government, T. Chenniah.

Revenue and Public Works, Kadidal Manjappa.

Home and Industries, H. Siddaveerappa.

Agriculture, Dr. R. Nagan Gowda.

SECRETARIAT

Bangalore

Chief Secretary, N. Puttarangaswami.

Home and Revenue Secretary, G. N. Nagaraja Rao.

Finance Secretary, Vacant.

Development Secretary, R. J. Bego.

Agriculture and Forest Secretary, A. S. Khaleel.

Education Secretary, L. Mundswamy.

Local Self-Government and Planning Secretary, G. V. K. Rao.

Law Secretary, C. V. Channappa.

Public Works and Electricity Secretary, D. K. Sreenivasachar.

REVENUE DEPARTMENT

BANGALORE

Revenue Commissioner, Vacant.

First Assistant to the Revenue Commissioner, V. Byrappa, B.Sc.

Second Assistant to the Revenue Commissioner, F. L. D'Souza, B.A.

Additional Assistant to the Revenue Commissioner, K. K. Appiah, B.A.

DEPARTMENT OF LAND RECORDS, SURVEY & SETTLEMENT

BANGALORE

Ex-Officio Commissioner for Settlement and Land Records, N. Madhava Rao, B.A., I.A.S.

Superintendent of Land Records, K. Gopalraj Urs, B.A.

Headquarters Assistant, D. M. Raghunatha Rao Manay, B.A. A.M., I.S.E.

District Survey Officer, Tumkur, I. Anthony-swamy, LL.B.

Assistant Superintendent of Land Records, Mysore, S. A. Gani, B.A.

Assistant Superintendent of Land Records, Hassan, L. Krishna Nalk, B.A.

Assistant Superintendent of Land Records, Mandya, S. M. R. Askari, B.A., LL.B.

District Survey Officer, Bangalore, M. S. Narayanaswamy, M.A.

District Survey Officer, Shimoga, H. B. Puttaswamappa, B.A.

District Survey Officer, Kolar, B. Thippoji Rao, M.A.

AGRICULTURE DEPARTMENT

Director of Agriculture, Commissioner for Food Production and Development Commissioner (Community Project), Bangalore, M. K. Appajappa, I.A.S.

Joint Director of Agriculture and Director of Extension Services, O.O.D. as Director of Research, Coffee Research Station, Balehonnur, Dr. B. T. Narayanan, B.A., Ph.D., D.I.C.

Headquarters Assistant to the Director of Agriculture, Bangalore, B. P. Balakrishna, B.Sc., B.Sc. (Agrl.) (Edin.).

Offg. Accounts Assistant to the Director of Agriculture, Bangalore, C. Britto, B.A.

Senior Assistant Director, O.O.D. as Principal, Agricultural College, Hebbal, Bangalore, M. Mallaraj Urs, B.Sc., B.Sc., (Agrl.) (Edin.).

Senior Assistant Director of Agriculture, O.O.D. as General Manager, Mysore Tobacco Company Ltd., Bangalore, M. L. Subbanna, B.Sc. (Hons.).

Senior Assistant Director-in-charge, Babbar Farm, Hiriyur, H. A. Abdur Rubb, B.Sc.

Senior Assistant Director, O.O.D. as Extension Officer (Agronomy), Training-run-Development Project, V. C. Farm, Mandya, R. Rudramurthy, M.Sc., M.S. (U.S.A.).

Assistant Director, Mysore, C. M. Revauna, B.Sc. (Hons.).

Assistant Director, Kolar, H. C. Nanjiah, B.Sc. (Hons.).

Assistant Director, O.O.D. as Assistant Extension Officer, Malavalli, G. N. Alasingrachar, B.Sc., B.Sc. (Agrl.).

Superintendent, Central Farm, Hebbal, Bangalore, Y. Chandrasekhar, B.Sc., B.Sc. (Agrl.).

Assistant Director of Agriculture, in-charge, Visveswaraiah Canal Farm, Mandya, B. P. Venkataramiah, B.Sc., B.Sc. (Agrl.).

Offg. Asstt. Director of Agriculture, Bangalore, N. Narasimhalah, B.Sc., B.Sc. (Agrl.).

Offg. Asstt. Director of Agriculture, Chikmagalur, P. Basaviah, B.Sc. (Agrl.).

Offg. Asstt. Director of Agriculture, Tumkur, H. V. Putta Naik, B.Sc. (Agrl.).

Assistant Director, O.O.D. as Asstt. Extension Officer, Malavalli, H. Dwaraknath, B.Sc., B.Sc. (Agrl.).

Assistant Director, O.O.D. as Agricultural Officer, Community Project, Sirulakoppa, B. J. Nanjundappa, B.Sc., B.Sc. (Agrl.).

Assistant Director of Agriculture, O.O.D. as Asstt. Extension Officer, Malavalli, C. Gopalakrishna, B.Sc., B.Sc. (Agrl.).

Assistant Director of Agriculture, Hassan, H. Mahadeviah, M.Sc. (Agrl.).

Asstt. Director of Agriculture, Babbar Farm, Y. R. Narayana Rao, L.A.

Asstt. Director of Agriculture, Shimoga, C. Ramiah, L.A.

Asstt. Director of Agriculture, Mandya, G. V. B. Naidu, B.Sc. (Hons.).

Asstt. Director of Agriculture, Chitaldrug, H. Basavaraaj Urs, L.A.

Extension Officer, Animal Husbandry Services, V.C. Farm, Mandya, D. Rudraiah, G.V.Sc., M.Sc. (U.S.A.).

SCIENTIFIC SECTIONS

Plant Pathologist, Bangalore, S. V. Venkatarayan, B.A.

Assistant Plant Pathologist, Bangalore, N. S. Venkatakrishnaiah, B.Sc.

Government Entomologist, Bangalore, B. Krishnamurthy, B.Sc., F.R.E.S.

Joint Entomologist, Bangalore, Dr. M. Puttarudralaya, B.Sc. (Hons.), M.S., Ph.D. (U.S.A.).

Senior Asstt. Entomologist, O.O.D. in the Department of Food Supplies as Storage Officer, Bangalore, D. Seshagiri Rao, B.Sc.

Senior Asstt. Entomologist, Bangalore, M. Appanna, B.Sc.

Senior Asstt. Entomologist, Biological Control Scheme, Syed Usman, B.Sc.

Economic Botanist, Bangalore, B. Venkoba Rao, B.Sc., M.S. (U.S.A.)

Senior Asstt. Botanist & Paddy Special Officer, T. Srinivasamurthy, M.Sc.

Senior Asstt. Botanist, Bangalore, K. Gopala Iyengar, M.Sc.

Senior Asstt. Botanist, Doddahatti Cotton Scheme, V. C. Farm, G. Srinivasa Iyengar, M.Sc.

Senior Asstt. Botanist & Cotton Physiologist, V.C. Farm, S. G. Narasimhaiah, M.Sc.

Area Research Assistant, Thirthahalli, Ghose Mohyuddin, B.Sc., B.Sc., (Agrl.)

Agricultural Chemist, Bangalore, Dr. S. V. Govindarajan, B.Sc. (Hons.), Ph.D. (Lond.), D.I.C., A.R.C.

Biochemist (in-charge), Compost Scheme, Bangalore, K. R. Anantharamaiah, B.A.

FOOD PRODUCTION SECTION

Statistician & Agri Meteorologist, Bangalore, A. Ananthapadmanabha Rao, B.A., M.S. (Iowa)

Agricultural Engineer, Bangalore, K. N. G. Dwajan, B.E., A.C.C.I.C.

Tractor Engineer, Hebbal, Bangalore, V. K. Keshavamurthy, B.E.

Accounts Assistant, Bangalore, B. N. Kempaiah, B.Sc.

Headquarters Assistant to the Commissioner for Food Production, Louis DeSouza, M.A. (Cantab.).

Special Amildar, Bangalore, M. Nazir Ahmed, B.A.

FOREST DEPARTMENT

Chief Conservator of Forests, Mysore, M. A. Muthanna, B.Sc., I.F.S. (Dip)

Conservator of Forests, Dr. D. A. Rama Rao, B.Sc., A.I.I.Sc., Ph.D., M.S.F. (Wash.).

Technical Assistant to Chief Conservator of Forests, Mohamed Ahmed, B.Sc., M.S.F. (Wash.).

EXCISE DEPARTMENT

Excise Commissioner in Mysore, Inspector-General of Registration and Registrar of Joint Stock Companies, A. C. Nirvan Gowda, B.A., I.A.S.

Headquarters Asstt. to the Excise Commissioner, Officer-in-Charge, Provincial Ganga Stores and Supdt., Excise Intelligence Bureau, Bangalore, N. Suryanarayana Rao Naidu

INCOME-TAX DEPARTMENT

Commissioner of Income-tax, S. H. Gopalaswamy Naidu, B.A., B.Sc.

Inspecting Assistant Commissioner of Income-tax, Bangalore, K. M. S. Reddy, B.A., B.Sc. (Hons.) (Lond.), F.R.E.S., Bar-at-Law.

Income-tax Officer, Urban Circle, Bangalore, T. Bellan, M.A.

Personal Assistant to the Commissioner of Income-tax, C. Ramachandra Rao Naidu, B.A.

Income-tax Officer, Salaries, Bangalore, V. S. Sastry, B.Com.

Additional Income-tax Officer, Salaries, Bangalore, H. C. Jambukeswariah, B.A.

I Additional Income-tax Officer, Bangalore Urban Circle, Bangalore, K. M. Pattabhi, B.A.

II Additional Income-tax Officer, Bangalore Urban Circle, Bangalore, N. S. Raghubaman, B.A. (Hons.).

III Additional Income-tax Officer, Bangalore Urban Circle, Bangalore, C. V. Natarajan, B.Sc.

IV Addl Income-tax Officer, Bangalore Urban Circle, Bangalore, G. B. Gonsalves, M.A.

V Addl. Income-tax Officer, Bangalore Urban Circle, Bangalore, S. Krishnamurthi, B.A.

Income-tax Officer, Bangalore Rural Circle, Bangalore, F. G. Jilani, M.A.

Income-tax Officer, Kolar, R. Jhothathri, B.A.

Income-tax Officer, Durgam, C. Subba Rao, M.A., B.Sc.

Income-tax Officer, Mysore, V. S. Shetti, D.Com., U.D.A., A.C.A.

Income-tax Officer, Tumkur, S. T. Shivaswamy, B.A. (Hons.)

Income-tax Officer, Hassan, S. Sivanna Reddy, B.Sc.

Income-tax Officer, Shimoga, S. Seshagiri Rao, B.A., G.D.A.

I Addl Income-tax Officer, Mysore, K. N. Ramamurthy M.A., B.L.

II Addl. Income-tax Officer, Mysore, F. J. Fernandez, B.A. (Hons.)

DEPARTMENT OF JOINT STOCK COMPANIES

Registrar (ex-Officio), A. C. Nirvan Gowda, B.A., I.A.S.

Asstt. Registrar, S. Krishna Murthy, M.A., LL.M.

DEPARTMENT OF MINES (GOVT. OF INDIA)

Inspector of Mines, No. 6 Circle, R. G. Doo, B.Sc., A.I.S.M.

Junior Inspector of Mines at Oorquim, B. M. Bhat, B.Sc. (Min.)

Junior Inspector of Mines at Nellore, S. J. Achariar, A.I.S.M.

Asstt. Inspector of Mines at Oorquim, S. R. Prasad, M.Sc.

PALACE DEPARTMENT

(MYSORE)

Private Secretary to H. H. the Maharaja, S. Darashah, I.A.S.

Honour Secretary, H. N. Pallegar, I.A.S.

Military Secy., Col. Sirdar D. Madan Gopal Raj Urs

Comptroller to the Household, Major L. Mahadeviah

Asstt. Secy. on the Personal Staff, H. M. Srinivasiah, B.A.

Asstt. Secy. on the Personal Staff, M. Narayana Murthy, B.A. A.D.C., Sirdar H. L. Devraj Urs

Honorary A.D.C.'s, Col. Sirdar M. Gopalakrishne Urs, Rajeswarabhusana Lt.-Col. Sirdar A. V. Subrahmanyaraj Urs, Sirdar K. Gopalraj Urs, B.A.; Captain A. L. Channaraj Urs, Captain Sirdar B. N. Nanjaraj Urs, Captain H. L. Lingaraj Urs, B.A.

FINANCE DEPARTMENT

Financial Secretary to Govt., N. Madhava Rao, I.A.S.

Assistant Secretary, Finance, P. Honnappa, B.A.

Addl. Assistant Secretary, Finance, N. S. Bharath, B.Sc. (Hons.)

HIGH COURT

Chief Justice, Rao Bahadur P. Madapa, B.A., B.L.

Judges, Mysore High Court, R. Venkata Ramalya, M.A., LL.B., N. Balakrishnaiah, B.A., LL.B.; T. N. Mallappa, B.A., LL.B.; B. Vasudeva-murthy, B.A., LL.B.

Registrar, High Court of Mysore, R. P. Vasudeo, B.A., B.L.

Deputy Registrar, K. Chandy, B.A., B.L.

POLICE DEPARTMENT

Inspector-General of Police, Vacant.
Deputy Inspector-General of Police, Railways and Mysore Division, Mysore, R. Muthuji Rao Scindia, B.A., I.P.S.
Deputy Inspector-General of Police, S.B. and C.I.D., B. Thimmaraj Urs, I.P.S.
Deputy Inspector-General of Police, Bangalore City, C. Chandy, I.P.S.
Headquarters Assistant to the Inspector-General of Police in Mysore, R. D. Anderson, I.P.S.
Superintendent of Police, Bangalore District, M. Jai Singh, I.P.S.
Superintendent of Police, Mysore District, K. S. Krishnamurthy, I.P.S.
Superintendent of Police, Kolar District, A. P. Rathnarajiah, I.P.S.
Superintendent of Police, Tumkur District, S. C. Mallappa, I.P.S.
Superintendent of Police, Kolar Goldfields, B. P. Revanna, I.P.S.
Superintendent of Police, Chitaldrug District, M. Quadri Ali, I.P.S.
Superintendent of Police, Hassan District, H. Veerabhadraiah, I.P.S.
Superintendent of Police, Chikmagalur District, D. Vijayadevaraj Urs, I.P.S.
Superintendent of Police, Shimoga District, P. S. Narasimhachar, I.P.S.
Superintendent of Police, Mandya District, M. Mahadevappa, I.P.S.
Superintendent of Police, Bangalore North, M. G. Heblikar, I.P.S.
Superintendent of Police, Bangalore South, T. Albert Manojah, B.A., B.L.
Superintendent of Police, M. A. R. P. Palace Guards, Dismounted Company, Mysore, C. J. Ram Dev, B.Sc.
Superintendent of Police, M. A. R. P. Palace Guards, Mounted Company, Mysore, K. R. Krishna.
Superintendent, Government Railway Police, Bangalore, E. R. Devaraj Row, B.A., LL.B.
Principal, Police Training School, Mysore, I. Subramanya Rao, B.A.

**MEDICAL DEPARTMENT
(BANGALORE)**

Director of Medical Services, Dr. B. R. Ramalinga Reddy, L.R.C.P. (Lond.), M.R.C.S. (Eng.), D.C.H., R.C.P. & S. (Eng.).

PUBLIC HEALTH DEPARTMENT

Director of Public Health, Dr. T. Chandrasekhariah, B.A., M.B.B.S., M.P.H.
Dy. Director of Public Health, Dr. C. V. Natarajan, B.Sc., M.B.B.S., D.F.P.H., F.R.I.C., F.A.Sc.
Superintendent, Bureau of Epidemiology, Dr. S. Seshagiri Rao, B.Sc., M.B.B.S., D.F.H., M.P.H.
Superintendent, Bureau of Malariology, Dr. S. E. Bhombore, M.B.B.S., D.P.H., M.P.H.
Superintendent, Bureau of Health Education, Vacant.
Chemical Examiner, Public Health Institute, Dr. S. Ananthaswamy, B.Sc., M.B.B.S., D.P.H., M.P.H.
Assistant to Chemical Examiner, Dr. K. Krishnamurthy Rao, B.Sc., M.B.B.S., D.P.H.
Superintendent, Vaccine Institute, Dr. V. N. Krishna Murthy, M.D.
Personal Assistant to the Director of Public Health, Dr. V. Ramakrishna, M.B.B.S., D.P.H.

BUREAU OF VITAL STATISTICS

Superintendent and Deputy Registrar-General of Births, Deaths and Marriages, E. R. Sundararajan, M.A. (Hons.).
Dy. Director of Public Health (in-charge), Dr. C. V. Natarajan, B.Sc., M.B.B.S., Dr. Ph., F.R.I.C., F.A.Sc.

PUBLIC WORKS DEPARTMENT

Chief Engineer, K. S. Gangadhara, B.A.
Deputy Chief Engineer, H. C. K. Bhatta, B.A., B.E., A.M.I.E.
Assistant to Chief Engineer (General), D. Rajagopal, B.A.
Technical Assistant (General Irrigation), H. Seetharamiah, B.E.
Technical Assistant (Roads & Buildings), C. S. Krishnaswamy, B.E.
Technical Assistant (Special Irrigation), M. Sundaram, B.Sc., B.E.
Technical Assistant (Statistics and Planning), V. Lakshminarayana, B.E.
Secretary to Government, Public Works and Electrical Departments, D. K. Sriulvasachar, B.Sc. (Hons.), I.A.S.
Government Architect, B. P. Maulickam, B.E., M.S., M.A.S.C.E., M.A., S.P.O.
Assistant Architect, V. Hanumantha Rao Naidu, B.E., A.A. (Hons.), A.R.I.B.A. (Lond.).
Superintending Engineer, Cauvery Circle, H. Ananthachar, B.E.
Superintending Engineer, Bangalore Circle, T. Ramaswamy Iyengar, B.A., B.E.
Superintending Engineer, Tumkur Circle, K. S. Chakravathy, B.E.
Superintending Engineer, Shimoga Circle, K. Subba Rao, B.A., B.E., A.M.I.E. (Ind.).
Superintending Engineer, Thunga Bhadra Valley Circle, C. R. Krishnaswamy Mudalliar, B.E.
Superintending Engineer, O.O.D. in the Government of India, A. Krishnamachar, B.Sc., B.E.
Superintending Engineer, Sanitary Circle, K. S. Krishnaswamy, B.E.
Executive Engineer, Water Supply Division, Bangalore, H. S. Narasimha Iyengar, B.E.
Controller of Central Stores, P.W.D., Bangalore, M. Krishnaswamy, B.E.
Special Engineer, Vidhanasamitha Division, Bangalore, M. Muniyappa, B.E., A.M.I.E. (Ind.).
Executive Engineer, Bangalore Division, Bangalore, T. Hutchveeriah, B.E.
Executive Engineer, Buildings Division, Bangalore, G. Krishnaswamy, B.E.

DEPARTMENT OF PUBLIC INSTRUCTION

Director of Public Instruction, J. B. Mularadhya, I.A.S.
Deputy Director for High School Education, T. S. Rajaratnam, M.A. (Edn.), B.T.
Dy. Dir., Elementary Education, T. N. Krishna Rao, M.A., Dlp. Edn., M.Ed. (Leeds), B.T.
Dy. Dir., Middle School Education, I. Abdul Aziz Khan, M.Sc., B.T.
Personal Assistant to the Director of Public Instruction, N. S. Venkataram, M.Sc., B.T.
Secretary, Secondary Education Board, G. P. Sivaram, B.A., B.T.
Inspector of Commercial Schools, Y. Gangadhara, B.A., B.T.
Special Officer for Development and Secretary, Text Book Committee, Vacant.

Accounts Assistant to the Director of Public Instruction, M. Venkateswarlu.

Asst. Secy., Secondary Education Board, T. V. Sundaram, B.A.

ANIMAL HUSBANDRY DEPARTMENT

Director, Dr. P. M. Narayanaswami Naidu, B.Sc., L.V.P., Sc.D. (Ger.), F.F.A.S. (Fr.).
Assistant Director (Headquarters), Dr. P. McIsaac, B.Sc. (Hons.), Ph.D. (Edn.).
Asst. Dir. (Hq. II), J. Munlapa, L.V.P., Assoc., I.D.I.
Asst. Directors, Dr. B. Chandrasekhar, G.V.Sc., M.Sc. (Bacty.), M.Sc. (A.H.), Ph.D. (A.H.), (U.S.A.) (Bangalore); K. Shrikantiah, G.M.V.C. (Shimoga); N. Narayana Rao, G.B.V.C. (Mandya); B. Somasundaram Pillay, G.B.V.C.

(Hassan); M. Sreekanthiah, G.B.V.C. (Kolar); G. Narayanaswamy, G.M.V.C. (Mysore); P. V. Bhatt, G.M.V.C. (Chitaldrug); M. Subba Rao, G.B.V.C. (Tumkur); B. Venkateshiah (Chikmagalur).

Superintendent, Mysore Serum Institute, Hebbal, V. S. Kuppaswamy Mudalliar, G.M.V.C., P.G.
Assistant Bacteriologist, Serum Institute, Vacant.
Superintendent, Kunigal Stud Farm, Vacant.
Fisheries Officer, Bangalore, Dr. H. D. R. Iengar, M.Sc. (Hons.), Ph.D. (U.S.A.).

Statistician, Bangalore, G. V. Dodda Ramlah, B.A., M.Sc.

Supdt., Composite Live-stock Farms and Research Station, Hessarghatta, P. C. Adakalam, G.M.V.C., P.G.

Dairy Dev. Officer, Bangalore, D. Rudriah, G.V.Sc., M.Sc. (U.S.A.).

Asst. Disease Investigation Officer, Sheep & Goats, C. K. Abdulla Khan, B.Sc., G.M.V.C., B.V.Sc., D.V.P.H. (Canada).

Asst. Veterinary Research Officer, M. G. Sekharan, L.V.P., P.G. (Mue).

Officer-in-Charge, Ranikhet & Sheep Poz Vaccines, Serum Institute, Hebbal, R. M. Purushothama Naidu, G.M.V.C.

Asst. Poultry Disease Investigation Officer, Serum Institute, Hebbal, C. Venkataswamy, G.V.Sc., (Non-Gazetted).

Manager, Cattle Breeding Station, Ajampur, S. K. Venkata Rao, L.A.S.

Amrith Mahal Officer, Arakere, H. T. Meenakshiah.

Asst. Engineer, Animal Husbandry Department, Bangalore, H. S. Nagesha Rao, B.F.

Nutritional Chemist, Mysore Serum Institute, Hebbal, H. S. Lakko Gowda, M.Sc., Assoc. I.V.R.I.

In-Charge, Mastitis Investigation Scheme, Hebbal, Dr. R. D. Nanjiah, B.Sc., B.V.Sc., G.M.V.C., Ph.D.

Disease Investigation Officer, Hebbal, Dr. Syed Mohiyuddin, B.Sc., B.V.Sc., G.M.V.C., Ph.D.

Biochemist, Abdul Rahiman, M.Sc.

Helmentologist, Dr. N. S. Krishnarao, B.A., L.V.P., Ph.D.

District Veterinary Officer, Bellary, S. K. Sundaram, G.M.V.C.

Superintendent, Combined Sheep and Farm, Kuri Kuppi, Tornegallu P.O., M. S. R. Anjaneyulu, G.M.V.C. (P.G.) (A.H.).

**DEPARTMENT OF SERICULTURE
(BANGALORE)**

Director of Sericulture in Mysore, and ex-Officio Director of Central Sericultural Research Institute, H. S. Venkata Rao, B.Sc.

Assistant Director (Research), T. K. Krishnamurthy, B.Sc.

Assistant Director, N. R. Krishnamurthy, B.A.

Assistant Director, M. Murudappa, B.Sc.

Sericultural Assistants: Amble; Lakshminipathi; Abdul Sattar Khan; Rama Murthy; Hanumanthappa; Ramadas; Shannukhappa.

INDUSTRIES & COMMERCE DEPARTMENT

Chairman, Board of Management, H. Siddaveerappa, B.A., B.L., Minister for Home and Industries.

Director of Industries & Commerce, E. V. Ganapati Iyer, B.Sc., I.A.S.

Deputy Director (General and Textiles), V. Venkatachar, M.A., B.Com.

Deputy Director (Commercial and Planning), N. V. Siddalingappa, M.Sc.

Asst. Director (Commerce), H. G. Vijayaraghava Reddy, B.Sc. (Hons.), F.B.S.

Asst. Director (Textiles and General), D. B. Gunduraj, B.A., B.Com., LL.B.

Asst. Director (General), N. Z. Aftab Ahmad Khan, B.A.

Asst. Director (Tex. Tech.), M. Aarifulla Meccal

Asst. Director (Establishment), M. V. Lakshmana Reddy, B.Sc.

Asst. Director (Cottage Industries), R. P. Shivanra, B.A.

Asst. Director (Accounts), R. Sampathkumaran, B.Sc.

Asst. Director (Finance), M. Sachidananda Moorthy, M.A.

Asst. Director (Finance), Sandal Oil Factory, Bangalore, H. Ramappa, B.A.

Fruit Preservation Expert, B. P. Mascarenhas, B.Sc.

Convener, Board of Management of Industrial Concerns, T. Hanumiah, M.Sc.

General Manager, Govt. Electric Factory, A. V. Raghavachar, B.Sc., M.Sc. (Tech.) (Manchester), A.M.I. Mech. E. (Lond.), M.I.E.

Ceramic Expert and General Manager, Govt. Porcelain Factory, Bangalore, P. Hariharan

General Manager, Crockery and Artware Section, Govt. Porcelain Factory, Bangalore, V. G. C. Paul, Dip. Ceramics (Engg.), C.E.

General Manager, Mysore Implements Factory, Hassan, S. K. Kemplah, B.E.

General Manager, Govt. Silk Weaving Factory, Mysore, A. P. Rao, L.T.M. (Hons.).

General Manager, Sandalwood Oil Factory, Mysore, G. Thippeswamy, B.Sc.

General Manager, Govt. Soap Factory, Bangalore, H. G. Ramakrishna Reddy, B.Sc. (on Foreign tour); B. K. Thungappa, B.Sc. (Hons.), In-charge.

Superintendent, Govt. Central Industrial Workshop, Bangalore, M. Gopalappa, B.E.

Superintendent, Sri Chamarajendra Technical Institute, Mysore, K. Vijayam, L.M.E., L.E.E.

Superintendent of Industries, Bangalore Division, Bangalore, A. M. Dyas, L.M.E.

Superintendent of Industries, Shimoga Division, Shimoga, A. Channaray Urs, L.M.E., L.E.E.

MYSORE IRON AND STEEL WORKS, BHADRAVATI

Chairman of the Board of Management, Mysore Iron & Steel Works, Bangalore, H. Shrivastava, B.A., LL.B., Minister for Home and Industries.

Vice-Chairman, Director, and ex-Officio Iron and Steel Controller for Mysore, S. Muninayappa, B.A., B.L., I.A.S.

Secretary, Board of Management and Guest Entertainment Officer, M. Chinnaswamy, B.A.

General Manager, D. V. Krishna Rao, B.A.

Works Manager (Development), B. A. Narayana Murthy, B.A., B.E.

Works Manager, Furnances & Mills, H. K. Ramanujam, B.E.

Sales Manager, C. B. Chawan, B.A., LL.B.

Works Manager, Chemicals Division on other duty as Asst. General Manager, V. S. Ekambaram.

Works Manager, Engineering and Maintenance, B. Ramaseshiah, B.E., A.M.I.E.

Works Manager, Materials Division, B. Subba Rao, B.E.

Chief Metallurgist, T. Krishnappa, M.C., M.M.B.L.

Purchase Manager, G. A. Manjalya.

Chief Asst. Officer, H. Chickanna, B.A.

Superintendent, Electric Pig Iron Furnace, B. Seshadri Sharma, B.E.

Superintendent, Blast Furnace, C. Rama Rao.

Superintendent, Electric Furnace and Steel Foundry, J. T. Kanakara, M.A. (on studies abroad).

Superintendent of Efficiency and Inspection, K. Nanjappa, B.E.

Civil Engineer, B. Sitharamalengar, B.E., A.M.I.E.

Superintendent, Cement Plant, B. Shivappa, L.T.O. (Hons.).

Supdt., Mechanical Department, K. Bhreemgowda, B.E.

Supdt., Pipe Foundry, M. Lingiah, B.Sc.

Supdt. of Mines, K. Y. Sreenivasa Iyengar, M.Sc.

Chief Chemist and Supdt., Chemical Plant, Mohd. Ali, B.Sc.

Supdt., Ferro-Alloy Plant, Bhadravati, M. Subramanyam.

Superintendent, Electrical and Water Supply Department, G. Lakshminarasimha Rao.

Supdt., Rolling Mills, C. Parasurain Nalk.

Supdt., Roll Turning Shop, J. N. Rath.

Supdt., Open Hearth Furnace, H. P. Doraswamy Iyengar, B.Sc. (Mat.).

Supdt., General Foundry, K. Basappa, B.E.

Medical Officer, Dr. S. T. Puttanna, M.B.B.S.

Branch Sales Officer, Bombay, S. Narayanaswamy, B.A.

Branch Sales Officer, Secunderabad and Bangalore, N. M. Channabasaviah, B.A.

Branch Sales Officer, Madras, V. Doraswamy, M.A.

DEPARTMENT OF CO-OPERATION

Registrar of Co-operative Societies, B. Rachappa, B.A.

Joint Registrar of Co-operative Societies, K. R. Marudeve Gowda, B.A., LL.B.

Assistant Registrars of Co-operative Societies, K. Ramappa, B.A. (Personal Assistant to the Registrar of Co-operative Societies); B. T. Peethambara Rao, M.A., M. Thanumiah, B.A.; G. Giryappa, B.Sc. (Hons.); H. S. Ramachandra, B.Sc.; K. Ramiah, M.Sc.; S. Rama Rao, B.A.; Y. M. Srikantalya, B.A.; C. Narayana Setty, B.A.; J. N. Gangadhar, B.A.; B. L. Ramiah, B.A.; T. Rangadasappa, B.Sc.; K. H. Shame Gowda, B.A.; C. S. Obedulla, B.A.; G. Rudrappa, B.A., LL.B.; H. K. Chindiah, B.A., LL.B.; S. Gangappa, B.A.; M. Shivanra, B.A.; D. Com. M. G. Mohiyuddin, B.A. (Hons.).

ELECTRICAL DEPARTMENT

Chief Electrical Engineer, George Chandy, M.S.E.E.

Deputy Chief Electrical Engineer, N. D. M. Appa, B.Sc., B.Sc. Eng. (Hons.) (Eng.), C.P.E.T. (I.I.S.C.).

Technical Assistant to C.E.E., C. Adiappa, B.E. (Mech.).

Technical Assistant to C.E.E., R. S. Raja Rao, B.A., B.E.

Accounts Assistant to C.E.E., M. L. Murthy Rao (Ag.).

PUBLIC SERVICE COMMISSION

Chairman, H. B. Gundappa Gowda, B.A., B.L.

Members, H. M. Mallikarjunappa, B.A., LL.B.; George Mathan, B.Sc.

Secretary, S. Devaraj, B.A.

MISCELLANEOUS DEPARTMENTS

LOCAL SELF-GOVERNMENT DEPARTMENT

Hardinge Road, Chamarajpet, Bangalore 2.

Commissioner for Local Govt. in Mysore, N. S. Hirannayya, M.A., I.A.S.

Personal Assistant to the Commissioner, T. M. Amr, B.A.

Registrar of Co-operative Societies and Special Officer for Rural Development and Depressed Classes, Bangalore, B. Rachappa, B.A.

MYSORE LABOUR HOUSING CORPORATION

Hardinge Road, Chamarajpet, Bangalore 2.
Chairman, N. S. Hirannayya, M.A., I.A.S.

DEPARTMENT OF FOOD SUPPLIES

Director of Food Supplies, Commissioner of Districts Relief and ex-Officio Controller of Civil Supplies in Mysore, Bangalore, K. P. Ramanathalya, I.A.S.

Assistant to the Director of Food Supplies in Mysore, Bangalore, T. L. Srinivasachar, B.A., LL.B.

Assistant to the Director of Food Supplies in Mysore, Bangalore and ex-Officio Assistant Controller of Civil Supplies, Bangalore, H. Maharudrah, B.A., LL.B.

Additional Director of Food Supplies (Transport), Bangalore, Rajasevapasakta R. N. Mirza, B.E., A.M.I.C.E.

Assistant Director of Food Supplies (Depots), and ex-Officio Rationing Officer, Bangalore, C. J. Padmanabha, B.Sc. (Hons.).

Special Officer, Fuel Supplies, Bangalore, A. S. Ramannah, B.A.

Ex-Officio Rationing Officer, Mysore City, H. L. Nage Gowda, B.Sc., LL.B.

Storage Officer, Food Supplies, Bangalore, D. Seshagiri Rao, B.Sc.

DEPARTMENT OF ARCHAEOLOGY

Director, K. Narayana Iyengar, M.A.

INSURANCE DEPARTMENT

Bangalore

General Manager, J. Appaji Gowda, B.A. (Hons.).

Secretary, B. M. Krishnan, B.A.

Actuary, H. V. Krishna Murthy, B.Sc., F.I.A. (Lond.), F.C.I. (Lond.)

Deputy Secretary, A. Ramachandra Naidu, B.Sc.

Assistant Actuary, R. Ramaswami, B.A. (Hons.), F.I.A. (Lond.).

Chief Medical Officer, Dr. B. R. Ramalinga Reddy, L.R.C.P. (Lond.), M.R.C.S. (Eng.), D.C.H., R.C.P. & S. (Eng.)

Insurance Medical Officer, Dr. B. K. Ramanna, M.B.B.S.

Legal Adviser, M. N. Srinivasan, B.Sc. (Hons.), LL.B.

Assistant Secretaries, S. S. Gangadhara Sastry, M.A. (Lit.), LL.B., M.A. (Com.), A.C.A.; M. C. Hanumantha Rao, B.A.; M. R. Keshavamurthy Rao, B.A.; T. Ramakrishna, B.A., LL.B.; B. Chickanna, K. Gopal, M.A., B.T., Dip. (Com.), F.C.I. (Lond.).

ECONOMIC CONFERENCE

Commissioner of Economic Development & Planning, Secretary, Economic Conference, Director of Statistics and Director of Industries and Commerce in Mysore, Bangalore, E. V. Ganapathi Iyer, I.A.S.

Deputy Commissioner of Economic Development and Planning and Deputy Director of Industries and Commerce, N. V. Siddalingappa, M.Sc.

Asst. Secretary, Economic Conference and ex-Officio, Asst. Director of Statistics in Mysore, Vacant.

TRADE MARKS DEPARTMENT

Examiner and ex-Officio Dy. Registrar of Trade Marks, Trade Marks Registry Branch, Chamber of Commerce Building, Kempegowda Road, Bangalore 2, V. R. Keshavraj, B.A.

BANGALORE MUNICIPAL CORPORATION

Mayor, H. S. Seetharam
Deputy Mayor, Gadli Cheluvarama Chetty.
Commissioner, K. Henjerappa.
Engineer, M. H. Manchiglah.
Health Officer, Dr. M. R. Goverdhan.

MEMBERS

M. R. Narasimha Iyengar (*Malleswaram West*);
 Dr. T. Parthasarathy (*Malleswaram East*);
 K. Devayya (*Srirampuram*); Vajravelu
 (*Ramachandrapuram*); A. Negesha Rao
 (*Labour Colony*); Dr. M. G. Seshadri (*Seshadri-
 puram*); D. Mallappa (*Subash Nagar*); C.
 Oblesh (*Kempapur Agrahar*); J. Lingalah
 (*Kemmangundi*); Y. Ramachandra (*Chickpet*);
 B. H. Sanjeevappa (*Rangaswamy Temple*);
 Chotabhal Desai (*Gandhinagar*); T. H.
 Basavarajappa (*Sri Kasi Visweswara Temple*);
 B. V. Lankappa (*Krishnarajendra Market*);
 K. Thoppalan (*Super Talkies*); B. Venkata-
 swamy (*Chamarajpet West*); S. Krishna Rao
 Pawar (*Chamarajpet East*); M. Rangalah

Naidu (*Kalasipalyam*); P. Veerappa (*Gavipur
 Guttaiah*); Dr. K. R. Srikanteshwar
 (*Shankarapuram*); D. C. Anantharamalah
 (*Bull Temple*); R. Dayananda Sagar (*Basav-
 angudi East*); Krishnappa (*Mavalli*);
 K. R. Sridhara Murthy (*Town Hall*); Papalah
 (*Dharmarajswamy Temple*); A. Siddappa
 (*Anjanaya Temple*); D. R. Shivappa (*Tara-
 mandalpet*); P. Jithendra (*Cubbonpet*); D.
 R. Puttanna (*High Ground*); M. Muniveerappa
 (*Palace Guttaiah*); Enayathulla Mehkri
 (*Renson Town*); E. Kasturiraj Chetty (*Fraser
 Town*); Govindraj (*St. John's Hill*); B. L.
 Hanumanthappa (*Murphy Town*); P. S.
 K. Naidu (*Coz Town*); B. M. Shamanna
 Gowda (*Joughpalyam*); Srinivasa Reddy
 (*Ulsoor*); Chengalroya Mudalliar (*Sivan Chetty
 Garden*); G. Shivaprakasham (*Bamboo Bazar*);
 B. Gangadhar (*Central Bazar*); Veerubhadra
 Gupta (*Hospital Town*); M. Jaya-sellan
 (*Blackpally*); G. Abdur Rahman Khan
 (*Broadway*); M. K. Lakshmalah Chetty
 (*Tasker Town*); S. A. Asirvatham (*MacIver
 Town*); V. P. Deenadayalu Naidu (*Shoolay*);
 B. Nanjappa (*Richmond Town*); Miss Winifred
 Joseph (*Austin Town*)

(Depressed Classes Reserved)

N. Adimoolam (*Super Talkies*); M. Yellappa
 (*Town Hall*); Masilamani (*Cubbonpet*);
 Bhaskaran (*Murphy Town*); P. Lokanath
 (*Bamboo Bazar*); P. D. Narayan (*Austin
 Town*).

Women (Reserved)

Miss T. S. Rukmayi (*Malleswaram West*);
 Mrs. B. K. Saraswathamma (*Sri Kasi Vis-
 weswara Temple*); Mrs. Rukminiamma
 (*Basavangudi East*); Mrs. Venkatalakshamma
 (*Cubbonpet*); Mrs. Grace Tucker (*Fraser
 Town*); Miss C. Sharada (*Tasker Town*).

Aldermen

K. S. Kanat; T. L. Gangoji Rao; S. Sajjana;
 Mrs. B. Indiramma; Gangadhara Shetty.

Non-Textile Labour

K. L. Ramakrishna Rao; Kanniah Dhanpal.

Textile Labour

Sreeramalu; Rangappa.

Trade and Commerce

S. R. Srinivasan; K. Ramiah Setty; Jinabai
 Devdoss; D. N. Hosali.

MYSORE MUNICIPAL COUNCIL

Municipal Commissioner, M. N. Lakshman
 Rao, B.Sc., B.L.

Health Officer, A. S. Venkatachalam, M.B.B.S.,
 D.P.H.

Municipal Engineer, D. Nanjappa, B.Sc., B.E.

Revenue Officer, B. Thimmliah, B.A.

Asst. Health Officer, Kuppanna.

Licensing Officer, B. K. Gurappa, B.Sc., B.E.

Orttoi Superintendent, S. Siddappa.

Manager, Municipal Farm, B. N. Nanja
 Reddy.

Audit Superintendent, T. S. Narayan.

Superintendent, Municipal Office, M. R. Devaraj
 Rao, B.Com.

MEMBERS

The names of the Councillors are in the same
 order as the number of the wards which they
 represent.

G. S. Ramakrishniah; K. Siddiah; Srikanta-
 sharma; D. Lingiah; Nityakalavisharada;
 M. C. Mahadevaswamy; B. K. Ramakrishniah;
 M.A., L.L.B.; K. Karlyanna; Sethuraman, M.
 Budan Captain; B. G. Das, L.A.M.S.; A. Krish-
 namurthy Rao; C. N. Narayana Rao, N

Sreenivasan, H. Kempogowda, S. Venkata-
 ramanalah, T. Narasimha Iyengar, B.A., B.L.;
 Doddathammegowda; M. N. Thimmliah; U.L.
 Ramachandra Rao; B. L. Ramaswamy Setty;
 B. K. Puttliah; B. N. Kenge Gowda, B.A.,
 H. N. Muddiah; S. Govindalya; K. Putta-
 swamy, B.A. (Hons.), L.L.B.; G. R. Ranga-
 swamiah; M. J. Mohamad Yakub, Mohamad
 Salt; Aziz Salt; Rev. Fr. Audreu; G. A.
 Coutinho; S. Sanjeeviah, Jogi Siddiah;
 Mir Noor Hussain, M.A., L.L.B.; S. Linganna;
 Ari Chowdiah; M. K. Lingiah; P. L. Kumara-
 swamy, B.Sc., B.L.; Haji Amiruddin Khureshi;
 M. Venkataalingiah.

EDUCATIONAL INSTITUTIONS

UNIVERSITY OF MYSORE

CHANCELLOR

His Highness Sri Jayachamaraja Wodeyar Bahadur, G.O.B., G.O.R.I.

VICE-CHANCELLOR

Dr B. L. Manjunath, B.A., M.Sc. (Lond.), D.Phil. (Oxon)

REGISTRAR

C. Rangachar, F.Sc., M.Ed. (Leeds)

DEANS

Arts, S. V. Ranganna, M.A.

Science, Dr L. Narayana Rao, M.Sc., Ph.D.

Engineering and Technology, C. Gopalakrishnan, B.Sc., E.E., A.M.I.E.

Medicine, Y. Appappa, B.A., M.B.B.S., M.Sc. (Lond.).

Law, M. Narayana Rao, M.A., B.L.

UNIVERSITY PROFESSORS

Economics, V. L. D'Souza, B.A., B.Com. (Lond.).

Geology, L. Rama Rao, M.A., F.G.S., F.N.I.

English, S. V. Ranganna, M.A.

Kannada, K. V. Puttappa, M.A.

Sanskrit, M. Lakshminarasimhaiah, M.A.

Urdu, Persian and Arabic, Dr. Khizer Ali Khan, M.A., Ph.D.

Political Science, L. Srikanthiah, M.A., M.Sc. (Lond.), Bar-at-Law.

Philosophy, Dr T. A. Purushottam, M.A., Ph.D. (Lond.).

Psychology, Dr B. Kuppuswami Naidu, M.A., D.Litt.

History, Dr M. V. Krishna Rao, M.A., B.T., D.Litt.

Physics, Dr S. Ramachandra Rao, M.Sc., Ph.D. (Lond.), F.Inst.P.

Chemistry, Dr G. Narayan, M.Sc., Ph.D.

Mathematics, Dr B. S. Madhava Rao, D.Sc.

Mathematical Economics and Statistics, S. K. Ekambaram, B.Sc.

(Hons.), M.A. (Cantab.)

Botany, Dr L. Narayana Rao, M.Sc., Ph.D. (Lond.).

Zoology, Dr B. R. Seshachar, D.Sc.

Indology, K. A. Nilakanta Sastri

LIST OF COLLEGES

Central College, Bangalore

College of Commerce, Bangalore

College of Engineering, Bangalore

First Grade College, Mysore

First Grade College, Tumkur

Intermediate College, Bangalore

Intermediate College, Chikmagalur

Intermediate College, Chitaldrug

Intermediate College, Davangere

Intermediate College, Hassan

Intermediate College, Kolar

Intermediate College, Mandya

Intermediate College, Shimoga

Maharaja's College, Mysore

Maharani's College for Women, Bangalore

Maharani's College for Women, Mysore

Medical College, Mysore

Teachers' College, Mysore

Agricultural College, Bangalore

Basappa Intermediate College, Bangalore

B. M. Sreenivasiah College of Engineering, Bangalore

College of Engineering, Davangere

D. Banumiah's College of Commerce, Mysore

Law College, Bangalore

Mount Carmel College, Bangalore

National College, Bangalore

Sarada Vilas Intermediate College, Mysore

Sri Krishnarajendra Silver Jubilee Technological Institute, Bangalore

St. Joseph's College, Bangalore

St. Philomena's College, Mysore

The National Institute of Engineering, Mysore

Vijaya College, Bangalore

Medical College, Bangalore

PROFESSORS OF PROFESSIONAL COLLEGES

Engineering College:

Civil Engineering, C. Gopalakrishnan, B.Sc., B.E., A.M.I.E.

Electrical Engineering, K. Chennabasaviah, B.E., M.S. (E.E.), A.M.I.E.

Mechanical Engineering, B. R. Narayana Iyengar, B.Sc., B.E.S.M. (Mech.), M.I.T., A.M.I.E. (Ind.).

Mathematics, F. J. Noronha, M.A. (Lond.).

Commerce College:

Commerce, S. R. Mandre, M.A., B.Com., F.A., F.B.A., Igc. Acct. (Lond.).

Commerce, B. R. Subba Rao, M.A., Dip.-COM.

Medical College

Anatomy, Y. Appappa, B.A., M.B. (Cal.), M.Sc. (Lond.).

Pathology, V. R. Naidu, M.B.B.S., M.S., M.R.C.P. (Lond.), D.T.M. & H. (Eng.), F.A.S.C.P.

Physiology, S. Hiriyanniah, B.A., M.B.B.S.

Hygiene, B. N. Lingaraju, M.B.B.S., D.P.H., M.P.H.

Pharmacology, G. S. Raghunatha Rao, B.Sc., M.B.B.S., D.Phil. (Oxon).

Part-time Professors (Medical College)

Medicine, Basavaraj Urs, B.Sc., M.B.B.S., D.T.M. & H., F.F.P.S.; S. V. Govinda Setty, B.Sc., M.B.B.S., M.R.C.P. (Lond.).

Surgery, M. Anthikesavulu, M.B.B.S., M.S. (Surgery), M.S. (Exp. Surgery), F.R.C.S. (Canada)

Midwifery, Smt. M. G. Hanumantekkar, M.D. (Born)

Gynaecology, Smt. Lalitha Lingiah, M.B.B.S., M.S.

Ophthalmology, M. B. Sundara Rao, M.B.B.S., D.O.M.S.

Forensic Medicine, Charles D'Souza, B.Sc., M.B.B.S., M.S. (Path.), D.B. (Manc.)

Teachers' College

Education, A. C. Deve Gowda, M.A. (Col.), B.T., M.Ed. (Leeds), Dip.-Edn., C. Rangachar, B.Sc., M.Ed. (Leeds), O.O.D.; K. R. K. Ananthan, M.A. (Glas.), M.Ed. (Leeds)

HIGH SCHOOLS IN BANGALORE CITY

Government High School, Fort.

Government Central High School.

Government Boys' High School, Malleswaram.

Vani Vilas Institute (Govt. Girls)

Malleswaram High School (Govt. Girls)

Girganamma Makundadas Girls' High School, Basavangudi (Govt.).

Chamarajapet High School (Municipal)

Malleswaram High School (Municipal)

United Mission High School (Aided, Boys').

S. L. N. High School (Aided, Boys')

Seshadripuram High School (Aided, Boys')

Acharya Patasala (Aided, Boys')

National High School (Aided, Boys')

Bangalore High School (Aided, Boys')

Aryavidyasala High School (Aided, Boys')

Gandhinagar High School (Aided, Boys')

Rashtriya Vidyalaya High School (Aided, Boys')

London Mission Girls' High School (Aided)

Mahilaseva Samaja High School (Aided)

St. Theresa's Girls' High School (Aided)

Acharyapatasala Girls' High School (Aided)

Maharashitra Mahila Vidyalaya High School (Aided)

HIGH SCHOOLS IN BANGALORE DISTRICT

Government Boys' High School, Channarayana

Government High School for Girls, Channarayana

Velabanka Municipal High School

Anekal Municipal High School

Dodballapur Municipal High School

Ramanagar Municipal High School

Magadi Municipal High School

Hosakote Municipal High School

Nelamangala Municipal High School

Thyamaragondlu (Nelamangala Taluk) Municipal High School

Vijayapura (Devanahalli Taluk) Municipal High School

Devanapalli Municipal High School

Kanakapura Municipal High School

Varthur High School, Bangalore South Taluk (Dist. Bd.)

Rural High School, Kanakapura (Dist. Bd.)

Kudur High School, Kudur, Magadi Taluk (Dist. Bd.)

Jayabharathi Co-operative Society High School, Attibele (Private)

HIGH SCHOOLS IN CHIKMAGALUR DISTRICT

Government High School, Chikmagalur (Boys').

Government High School, Mudigere (Boys')

Kadur High School (Municipal)

K. L. K. High School, Birur (Municipal)

Talkere High School (Municipal)

Lokasevaniratha Sri M. S. Dayagowda's Municipal High School,

Koppa, Kadur.

Sringeri High School (Municipal)

Narasimharajapura High School (Dist. Bd.)

Shivane High School (Dist. Bd.)

Panchanahalli High School (Dist. Bd.)

High School, Ajampura, Tarikere Taluk (Aided, Boys')

St. Joseph's Convent Girls' High School (Aided).

HIGH SCHOOLS IN CHITALDRUG DISTRICT

Government High School, Chitaldrug (Boys')

Government High School, Davangere (Boys')

Government High School, Molakalmuru (Boys').

Government High School, Turuvannur (Boys').
 Government High School, Mayakonda (Boys').
 Government High School, Chitaldurg (Girls').
 Government High School, Davangere (Girls').
 Municipal High School, Chitaldurg.
 Municipal High School, Davangere.
 Sri Bisaneer Muddappa High School, Challakere (Municipal).
 Sri Rajanahalli Muddurayappa High School, Harihar (Municipal).
 Sri Malladihalli Madanna High School, Holalkere (Municipal).
 Municipal High School, Jagalur.
 Municipal High School, Hosadurga.
 Municipal High School, Hiriyur.
 District Board High School, Maradihalli, Hiriyur Taluk.
 District Board High School, Kodaganur, Davangere Taluk.
 District Board High School, Srirampura, Hosadurga Taluk.
 District Board High School, Parasuramapura.
 District Board High School, Malcennur (Un-aided).
 Sri Mothiverappa High School, Davangere (Aided, Boys').
 Sri Taralabalu Jagadguru High School, Sirigere (Aided, Boys').
 Rastreyya Proudairdyasala, Malladihalli, Holalkere Taluk (Aided, Boys').
 St. Paul's Convent Girls' High School (Aided), Davangere.

CIVIL AREA, BANGALORE

Municipal High School, Blackpalli.
 St. Joseph's Indian High School (Aided, Boys').
 R.B.A.N.M.S. Indian High School (Aided, Boys').
 St. Aloysius Indian High School (Aided, Boys').
 St. Joseph's European High School (Aided, Boys').
 Bishop Cotton Boys' High School (Aided Boys').
 Baldwin Boys' High School (Aided, Boys').
 Clarence High School (Aided, Boys).
 Fr. St. Germain High School (Aided, Boys').
 St. Euphrasia's Girls' High School (Aided).
 Goodwill Girls' High School (Aided).
 Smt. Rajamma Thambuchetty Girls' High School (Aided).
 Smt. Kamala Bai Girls' High School (Aided).
 Bishop Cotton Girls' High School (Aided).
 Baldwin Girls' High School (Aided).
 Sacred Heart Girls' High School (Aided).
 St. Francis Xavier's Girls' High School (Aided).

HIGH SCHOOLS IN HASSAN DISTRICT

Government High School, Hassan (Boys').
 Government High School, Kantharajapura (Boys').
 Government High School for Girls, Hassan.
 Government High School for Girls, Holenarasipur.
 Municipal High School, Hassan.
 Municipal High School, Holenarasipur.
 Municipal High School, Arsikere.
 Municipal High School, Arkalgud.
 Municipal High School, Saklespur.
 Municipal High School, Belur.
 Sri Belagode Shamlah Setty High School, Konanur, Arkalgud Taluk (Municipal).
 District Board High School, Gorur, Hassan Taluk.
 Sri Jayachamarajendra High School, Doddametkurke, Arsikere Taluk (Dist. Bd.).
 District Board High School, Nuggahalli, Channarayana Taluk.
 District Board High School, Rayarakoppal, Alur Taluk.
 District Board High School, Yalurpet.
 District Board High School, Alur.
 District Board High School, Basavapatna.
 High School, Channarayana Taluk (Aided, Boys').
 S.S.K.B.M. High School, Shantigrama (Aided, Boys').

HIGH SCHOOLS IN KOLAR DISTRICT

Government Boys' High School, Kolar.
 Government Boys' High School, Chikballapur.
 Municipal High School, Chintamani.
 Municipal High School, Bangarpet.
 Robertsonpet (K.G.F. Sanitary Board Boys' High School) (Municipal).
 Municipal High School, Mulbagal.
 Municipal High School, Malur.
 K.G.F. Sanitary Board Girls' High School, Robertsonpet, K.G.F. (Municipal).
 Sri Virupakshappa High School, Sidlaghatta (Municipal).
 District Board High School, Bagepalli.
 District Board High School, Srinivasapur.
 District Board High School, Gudibanda.
 Acharya High School, Goribidanur (Aided, Boys').
 St. Mary's Boys' High School, Champion Reefs (Aided).
 High School, Manchenapalli, Goribidanur Taluk (Aided Boys').
 Methodist Girls' High School, Kolar (Aided).

HIGH SCHOOLS IN MANDYA DISTRICT

Government High School, Mandya (Boys').
 Government High School, Nagamangala (Boys').
 District Board High School, Aghalaya.

District Board High School, Santhebachehalli.
 Sugar Colony High School, Mandya (Dist. Bd.).
 Vijaya High School, Pandavapura (Aided, Boys').
 Sugar Colony High School, Mandya (Aided, Boys').
 St. Joseph's Convent Girls' High School, Mandya (Aided).
 Sri Yadusalla High School, Tirunaranapur, Melkote (Private).

HIGH SCHOOLS IN MYSORE CITY

Maharaja's High School (Govt., Boys').
 Government Marimallappa's Practising High School (Boys').
 Maharani's High School (Govt., Girls').
 Christ the King Convent (Aided, Girls').
 Convent English Girls' High School (Aided).
 St. Mary's High School, Chamundipuram (Aided, Girls').

HIGH SCHOOLS IN MYSORE DISTRICT

Government High School, Nanjangud (Boys').
 Municipal High School, Chamarajanagar.
 Municipal High School, Hunsur.
 Municipal High School, Saligrama (Krishnarajanagar Taluk).
 Sri Doddahundi Bhogappa High School, Gundlupet (Municipal).
 Sri Krishnarajendra High School, Krishnarajanagar (Municipal).
 Municipal High School, Yelandur.
 Municipal High School, Molavalli.
 Municipal High School, Krishnarajpet.
 Municipal High School, Mandya.
 Municipal High School, Maddur.
 Srirangapatna (Sri C. S. Mariappa High School) (Municipal).
 Sri Ankanahalli L. Kempe Gowder's Municipal High School, Bellur.
 Nagamangala Taluk.
 District Board High School, Bettadapura, Periyapatna Taluk.
 District Board High School, Saragur, Heggadadevanakote Taluk.
 District Board High School, Bannur.
 District Board High School, Periyapatna.
 District Board High School, Kabbahalli.
 District Board High School, Chunchanakatte.
 District Board High School, Thalakkad (Un-aided).
 District Board High School, Ravandur (Un-aided).
 District Board High School, Devanur (Un-aided).
 District Board High School, Kuduru (Un-aided).
 Hardwicke High School (Aided, Boys').
 D. Banumalah's High School (Aided, Boys').
 Mahajana High School (Aided, Boys').
 Sarada Vilas High School (Aided, Boys').
 St. Philomena High School (Aided, Boys').
 Dalvey's High School (Aided, Boys').
 Vidyodaya Rural High School, T. Narsipur (Aided, Boys').
 Vidyavardhaka High School, Mandi Mohalla (Aided, Boys').

HIGH SCHOOLS IN SHIMOGA DISTRICT

Government High School, Shimoga (Boys').
 Government High School, Thirthahalli (Boys').
 Government High School, Hosanagar (Boys').
 Government High School, Anavatti (Boys').
 Boys' High School, Bhadravati (Municipal).
 Branch, Boys' High School, Old Town, Bhadravati (Municipal).
 Municipal High School, Sagur.
 Municipal High School, Shirakoppa (Shikaripur Taluk).
 Municipal High School, Honnall.
 Municipal High School, Nyamathi (Honnall Taluk).
 Municipal High School, Shikaripur.
 Municipal High School, Channagiri.
 Municipal High School, Sorab.
 District Board High School, Santhebinnur, Channagiri Taluk.
 District Board High School, Tyavanke.
 District Board High School, Kogalur.
 District Board High School, Megaravalli.
 District Board High School, Kulambi-Kunder (Un-aided).
 District Board High School, Anandapura (Un-aided).
 National High School (Aided, Boys').
 Girls' High School, Bhadravathi (Aided).
 Mary Immaculate Girls' High School (Aided).

HIGH SCHOOLS IN TUMKUR DISTRICT

Government Boys' High School, Tumkur.
 Government Boys' High School, Madhugiri.
 Government Boys' High School, Tiptur.
 Government Boys' High School, Koratagere.
 Empress Girls' High School, Tumkur (Govt.).
 Girls' High School, Tiptur (Govt.).
 Municipal High School, Gubbi.
 Municipal High School, Sira.
 Municipal High School, Pavgada.
 Municipal High School, Turuvekere.
 District Board High School, Godekere, Chiknakanahalli Taluk.
 District Board High School, Nonavinakere, Tiptur Taluk.
 District Board High School, Nagavalli.
 District Board High School, Huliyur.
 District Board High School, Midgeel.
 District Board High School, Kadaba.

Sri Siddaganga High School, Tumkur (Aided, Boys').
Aryan High School (Aided Boys').
Destiyavidiya Peethah High School, Chiknalkanahalli (Aided Boys').
Mahatma Gandhi High School, Kunigal.
Nehru High School, Amruthur (Private).
High School, Huliyurdurga (Private).
Ganapathi High School, Hebbur (Private).

TRADE AND COMMERCIAL ASSOCIATIONS IN MYSORE STATE

Mysore Chamber of Commerce, Kempegowda Road, Bangalore.
Mysore Silk Association, Chamaraipet, Bangalore.
Bangalore Piecegoods Merchants' Association, Chikpet, Bangalore.
Shimoga District Merchants' Association, Shimoga.
Mysore Silk Cloth Merchants' Association (Wholesale), Avenue Road, Bangalore.
Licensed Electrical Contractors' Association, Avenue Road, Bangalore.
Mysore Raw Silk Merchants' Association, Avenue Road, Bangalore.
Jewellers' Association, Nagarthpet, Bangalore.
Mysore Silk Manufacturers' Association (Power Looms), Jumma Masjid, Bangalore.
Bangalore Wholesale Cloth Merchants' Association, Chikpet, Bangalore.
Mysore Silk Handloom Weavers' Association, Jumma Masjid Road, Bangalore.
Mysore Insurance Guild, Bangalore 2.
Mysore Oodubathi Manufacturers' Association, Kempegowda Street, Bangalore.
Mysore Film Chamber of Commerce, Subedar Chatram Road, Bangalore.
Bangalore Ready-Made Dress Manufacturers' Association, Chikpet, Bangalore.
Bangalore Trades Association, St. Mark's Road, Bangalore.
Bangalore Grain Merchants' Association, Chamaraipet, Bangalore.
Davangere Trades Association, Davangere.
Radio Merchants' Association, 6-D, Brigade Road, Bangalore.
Stationery Merchants' Association, Bodpet, Bangalore 2.
Indian Coffee Board, Kempegowda Road, Bangalore.
Grain Mandi Merchants' Association, Shimoga.
Merchants' Association, Mandya.
Mysore Automobile Dealers' Association, Sri Narasimharaj Road, Bangalore.
Cycle Dealers' Association, Sri Narasimharaj Road, Bangalore.
Mysore Small Scale Industries Association, Cottonpet Main Road, Bangalore.
Tobacco Wholesale Merchants' Association, Avenue Road, Bangalore.
Mysore State Beedi Manufacturers' Association, 28, Mohamadan Block, 4th Cross, Chamaraipet, Bangalore.
Bangalore Commercial Association, Bangalore.
Cocconut Merchants' Association, Bangalore.
Hindu Hotels Association, Bangalore City.
Chemists and Druggists Association, Bangalore 2.
Mysore Bankers' Association, Bangalore.
Concrete Association of India, Sri Narasimharaj Road, Bangalore.

THE BANGALORE WHOLESALE CLOTH MERCHANTS' ASSOCIATION

Rukmini Building, Chikpet, Bangalore City

Nature of Body : Commercial.
President, Jeenabhai Davidoss.
Vice-President, Abdulla Noor Mohamed.
Hon. Secretary, T. S. Venkataramiah.
Hon. Joint Secretary, P. Sampangiramlah Setty.

THE CHEMISTS' AND DRUGGISTS' ASSOCIATION

C/o Kalyan Pharmacy, 3, 4 & 5, Market Frontage, Bangalore 2

Nature of Body : Commercial.
President, Dr. P. T. A. Chetty.
Vice-President, B. Rudrappa.
Secretary, K. V. Sampath.

THE DAVANGERE TRADES ASSOCIATION

Davangere City.

Nature of Body : Commercial.
President : Yajaman Mothi Doddappa.
Joint Secretaries, S. H. Kabanna and Kasala Gopalakrishna Setty.

MYSORE CHAMBER OF COMMERCE

Kempegowda Road, Bangalore.

Nature of Body : Commercial.
President, M. V. Krishna Murthy, B.A.
Vice-President, Dharmaprakasa M. V. Veerappa.
Secretary, G. N. Krishna Murthy, M.A.

THE MYSORE FILM CHAMBER OF COMMERCE

60, Subedar Chatram Road, Bangalore 2.

Nature of Body : Commercial.
President, Rukn-ul-Mulk S. Abdul Wajid.
Vice-Presidents, B. H. Tarapore and R. N. Rawell.
Honorary Secretary, M. Sudananda Rao.

THE MYSORE NON-FERROUS METAL MERCHANTS' ASSOCIATION

71, Sri Narasimharaja Road, Bangalore City.

Nature of Body : Commercial.
President : N. K. Shah.
Secretary : C. Misra.

THE MYSORE SILK CLOTH MERCHANTS' ASSOCIATION (WHOLESALE)

Avenue Road, Bangalore 2

Nature of Body : Commercial.
President : C. Chikavenkatappa.
Vice-President, K. Venkateshalapathy.
Honorary Secretary, D. Sreeramulu.

SOCIAL, CULTURAL, LITERARY, RELIGIOUS, ETC. ASSOCIATIONS

Rotary Club of Bangalore, 36, Residency Road, Bangalore.
Mysore Civil Services Association, Old Public Offices, Bangalore.
Mysore Engineers' Association, Post Office Road, Bangalore.
Mysore Non-Gazetted Officers' Association, Cubbon Park, Bangalore.
Indian Institute of Culture, 6 North Public Square Road, Basavanagudi, Bangalore.
Gokhale Institute of Public Affairs, Basavanagudi, Bangalore.
Mysore State Journalists' Association, District Office Compound, Bangalore.
Shorthand Writers' Association, District Office Compound, Bangalore.
Bangalore City Institute, Fort South Gate, Bangalore.
United Lodge of Theosophists, Sri Krishna Rao Road, Basavanagudi, Bangalore.
Young Men's Christian Association, Cenotaph Road, Bangalore.
Young Men's Christian Association, Civil Station, Bangalore.
Anglo-Indian Association, 5-B, Magrath Road, Bangalore.
Malleswaram Ladies Association, 15th Cross, Malleswaram, Bangalore.
Seva Sadan, 14th Cross, Malleswaram, Bangalore.
Kannada Sahitya Parishat, 4, Hardinge Road, Chamaraipet, Bangalore.
Mysore Medical Association, Victoria Hospital, Bangalore.
Mysore State Ayurvedic Congress, Jayachamarajendra Institute of Indigenous Systems of Medicine, Bangalore.
Ex-Servicemen's Association, 9, Main Road, Munireddipalyam, Bangalore.
Sri Kasturba Gandhi Hindi Shiksha Shala, III Main Road, Chamaraipet, Bangalore.
Mysore Hindi Sahitya Parishat, Chamaraipet, Bangalore 2.
Mysore Rikhsat Hindi Prachar Samithi, III Road, Basavanagudi, Bangalore.
City Institute, Bangalore.
Ashakta Poshaka Sabha, Bangalore.
Anantha Sisi Sevashram, Bangalore.
Association for Moral and Social Hygiene and Eradication of Social Vice and Prostitution, Bangalore.
Amateur Dramatic Association, Bangalore.
Central Unani Medical Practitioners' Association, Nagarthpet.
Central College Old Boys' Association, Bangalore.
Indian Christian Association, Bangalore.
Law Association, Bangalore.
Bangalore Literary Union, Bangalore.
Maharashtra Mandal, Gandhi Nagar, Bangalore.
Maharashtra Mahila Mandal, Basavanagudi, Bangalore.
Mysore Provincial Harijan Sevak Sangh, Bangalore.
Bangalore Soldiers', Sailors' and Airmen's Board, Civil Station, Bangalore.
Dakshin Bharat Shri Jain Swesankar Sangh, Bangalore City.
Bangalore Dairy Cattle Society, Mysore Road, Bangalore.
Bangalore Gayana Samaj, Bangalore.
Bangalore Music Academy, Bangalore.
Mysore Sanskrit Academy, Bangalore.
Mysore State Branch of Red Cross Society, Bangalore 4.
Catholic Club, Civil Station, Bangalore.
Kurubara Sangh, Bangalore.
Mahila Sewa Samaj, Bangalore.
Sharada Stri Samaj, Bangalore.
Free Masons Lodge, Civil Station, Bangalore.
Giri Guides Headquarters, Bangalore.
Servants of India Society, Basavanagudi, Bangalore.
Sindhi Refugee Union, Commercial Street, Bangalore.
Mythic Society, Bangalore.
Bharat Scouts, Bangalore.
Mysore State Commercial Institutes Association, Bangalore.

Mysore State Women's Conference, Bangalore.
Mysore Children's Aid Society, Bangalore.
Mysore Civil and Social Progress Association, Bangalore.
Mysore Discharged Prisoners' Aid Society, Bangalore.
Mysore Horticultural Association, Lalbaug, Bangalore.
Mysore Inamdars Association, Bangalore.
Universal Buddha Society, Bangalore.
National Education Society, Bangalore.
Sri Ramakrishna Students' Home, Basavanagudi, Bangalore.
Bangalore Ratepayers' Association, Bangalore.
Kanara Union, Malleswaram, Bangalore.
Varadachar Memorial (Dramatic) Club, Bangalore.
Central Mohammedan Association, Arcot Srinivasachar Street, Bangalore.
Theosophical Society, Bangalore.
Parsi Anjuman Club, Civil Station, Bangalore.
U. K. Citizens' Association, Bangalore.
Bangalore Arts Society, Bangalore.
Vakkalikara Sangh, Bangalore.
Mysore Photographic Society, Bangalore.
Mysore State Wild Life Committee, Bangalore.
Law Association, Closepet.

BANGALORE CLUB

38, Residency Road, Bangalore 1

Nature of Body : Social.

President, Brig R. C. R. Hill, D.S.O.

Vice-President, U. K. Somappa.

Secretary, O. E. Windle, O.B.E.

THE BAR ASSOCIATION

Mysore

Nature of Body : Legal

President, H. Subba Rao, B.A., B.L.

Honorary Secretary, M. R. Narayana Swamy, B.A., LL.B., Advocate

Honorary Joint Secretary, P. M. Chikka Boriah, B.A., B.L.

THE BIBLE SOCIETY OF INDIA, PAKISTAN & CEYLON

Office :—A/1, Mahatma Gandhi Road, Bangalore 1, South India.

The Society in its present form was founded in November 1944 and carries on the work of the British and Foreign Bible Society, the National Bible Society of Scotland and the American Bible Society in India, Pakistan and Ceylon.

The Society has offices in Calcutta, Bombay, Madras, Bangalore, Allahabad, Lahore, Colombo, Secunderabad and Delhi. The Headquarters of the Society are at Bangalore.

Business Manager : P. P. Ramage.

General Secretary for India, Pakistan and Ceylon :—P. Mahanty, M.A.

EBENEZER BAPTIST CHURCH

12, Commissariat Road, Bangalore

Nature of Body : Religious

Secretary and Treasurer, H. C. Gibson

Sunday School Superintendent, Miss L. M. Laucks

THE INDIAN ACADEMY OF SCIENCES

Hebbal P.O., Bangalore 6

Nature of Body : Scientific.

President, Sir C. V. Raman

Secretary for Section A, Principal B. S. Mathava Rao

Secretary for Section B, Dr. C. S. Pichamuthu

INDIAN INSTITUTE OF CULTURE

6, North Public Square Road, Basavanagudi, Bangalore City

Objects : (1) To establish a Centre affording opportunities for cultural and intellectual development, (2) To spread correct ideas on education, especially of adults and of youth, (3) To promote exchange of thoughts among the various States of India and other countries of the world towards establishing true national and international concord and co-operation.

For the furtherance of these objects, the Indian Institute of Culture has had since August 1945 a Cosmopolitan Home, and since the opening of its free public library in July 1947, has had a regular weekly programme of lectures on a wide variety of cultural subjects, alternating with discussion group meetings, at each of which an outstanding recent book is orally reviewed and then discussed or a paper specially sent for the purpose is read and its points considered.

In 1951 a new building was erected in the Institute's grounds, housing the growing free library and offices and providing an auditorium seating 300.

Numerous lectures, papers read and book reviews have appeared in *The Aryan Path*, the Institute's monthly organ.

Membership is open to all.

President, Council of Management, B. P. Wadia

Honorary Secretary, Dr. L. S. Dorasami, M.Sc., Ph.D., F.A.Sc.

INDIAN INSTITUTE OF SCIENCE

Bangalore 3.

The Institute owes its origin to the munificence of J. N. Tata, whose plan for establishing a Research Institute, was brought to fruition after his death by the generosity of his two sons, Sir Dorabji Tata and Sir Ratanji Tata, supported by the Government of India and the Government of Mysore. The Institute began work in July 1911 with the two-fold object of advanced instruction and research in science and engineering.

The departments of the Institute provide facilities for post-graduate research in Inorganic Chemistry, Physical Chemistry, General Chemistry, Organic Chemistry, Bio-chemistry, Physics, Aeronautical Engineering, Internal Combustion Engineering, Metallurgy, Power Engineering (Electrical, High Voltage, Mechanical, and Civil and Hydraulic Engineering), Electrical Communication Engineering, and Chemical Technology and Chemical Engineering.

There is also provision for post-graduate instruction in Aeronautical Engineering, Internal Combustion Engineering, Metallurgy, Power Engineering (Electrical, Mechanical and Civil and Hydraulic Engineering), Electrical Technology, Electrical Communication Engineering and Chemical Engineering; and for background teaching in Economics and Social Sciences, French and German. The departments are well equipped and have adequate staff.

The library of the Institute contains about 17,625 volumes of current journals and books.

Conferment : Diplomas (D.I.Sc.) are awarded by the Council on the recommendation of the Senate to students who have completed satisfactorily courses of studies approved by the Senate.

Associateships (A.I.Sc.) equivalent to 1st Class M.Sc., degree of a University are awarded by the Council on the recommendation of the Senate to students possessing prescribed minimum qualifications who have devoted a minimum of five consecutive terms entirely to research and have presented a thesis of the work done during the period.

Memberships (M.I.Sc.) equivalent to the Ph.D., degree of a University are awarded by the Council on the recommendation of the Senate to students who are Associates or who hold Diploma of the Institute in Power Engineering, or a 1st Class M.Sc., or M.Sc., by research and who have devoted three terms entirely to research and have submitted thesis of the work approved by the Senate.

Fellowships (F.I.Sc.) equivalent to D.Sc., degree of a University are awarded by the Council on the recommendation of the Senate and with the previous approval of the Visitor to members who have spent three years at the Institute or in actual practice and have done original and valuable research work or made an outstanding contribution to the advancement of scientific or industrial knowledge and to Associates who have spent four years at the Institute or in actual practice and have produced similar work or made similar contribution.

Honorary Fellowships of the Institute may, on the recommendation of the Council, be conferred by the President of India who is the Visitor of the Institute on persons who have attained eminence in the field of science or industry or who have rendered signal service to the Institute.

The scientific work of the Institute is recorded in the *Journal of the Indian Institute of Science*, published every quarter in January, April, July and October.

Visitor, The President of India
Chairman of the Governing Council, Sir Vithal N. Chandavarkar, Kt., M.A., Bar-at-Law

Director, Prof. M. S. Thacker, B.Sc. (Engg.), M.I.E.E., F.A.M.I.E.E., M.I.E. (Ind.), M.Inst.E., M.I.R.E., F.A.Sc., etc.

Registrar, A. G. Pal, M.A. (Cantab.)

MYSOORE STATE ADULT EDUCATION COUNCIL

1253, Krishnamurthipuram, Mysore

Nature of Body : Literary and Social

President, T. Madhava Gowda, B.A., LL.B., M.P.

General Secretary : N. Bhadriraj.

Chief Executive Officer : T. V. Thimma (Gowda, B.Sc., B.T., M.A. (Lond.).

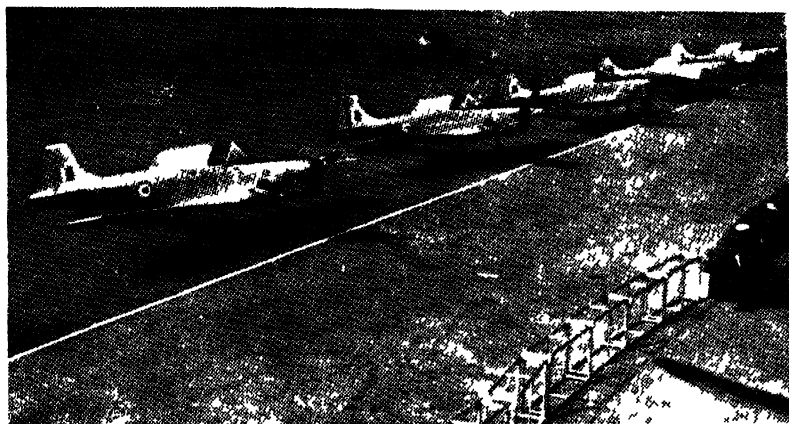
THE MYSORE STATE EDUCATION LEAGUE

Government High School for Boys,

Malleswaram, Bangalore 3.

Nature of Body : Literary.

President : J. B. Mallaradhy, M.A., I.A.S., Director of Public Instruction in Mysore, Bangalore.



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MYSORE STATE JOURNALISTS' ASSOCIATION

Kempe Gowda Road, Bangalore City.

Nature of Body : Literary.**President :** K. S. Ramaswami.**Vice-President :** S. V. Jayaseela Rao.**Honorary Secretary :** K. N. Doraswami.**STATIONERY, CUTLERY & GENERAL MERCHANTS' ASSOCIATION**

C/o Messrs. C. R. & Bros., 201-202, Avenue Road, Bangalore 2

Nature of Body : Social.**President :** C. D. Gopala Iyengar.**Honorary Secretary :** C. Rudrappa, B.A.**Honorary Treasurer :** L. Sohanraj.**PRINCESS KRISHNAJAMMANI SANATORIUM**

V. V. Mohalla, Mysore.

Nature of Body : Medical.**Superintendent :** Dr. S. Narayana Setty, M.B.B.S., L.R.C.P., M.R.C.S., T.D.D. (Wales).**Resident Medical Officer :** Dr. V. Sanjeeva Rao, B.Sc. M.B.B.S., M.A.C.P. (Chet.), T.D.D. (Wales).**SOUTH INDIA UNION MISSION OF SEVENTH-DAY ADVENTISTS**

9, Cunningham Road, Box 20, Bangalore 1

Nature of Body : Religious.**President :** O. O. Mattison.**Secretary :** I. K. Moses.**Treasurer :** D. O. Calkins.**ST JOHN'S CHURCH**

Bangalore

Nature of Body : Religious.**Chaplain :** Rev. William L. Holder, M.Th.**Honorary Secretary :** Mrs. L. Harvey.**ST. JOSEPH'S CHURCH**

Chamarajpet, Briand Square Bangalore 2

Nature of Body : Religious.**Parish Priest :** Rev. W. M. Texeira.**ST PAUL'S CHURCH**

Hospital Road, Bangalore 1

Nature of Body : Religious.**Priest :** The Rev. A. S. Lokapathy.**Deacon :** The Rev. D. Jacob.**BANGALORE DISTRICT & CIVIL STATION****Headquarters :** Bangalore.**Number of Talukas :** Eleven.

The area of the District is 3,137.9 sq. miles and the population is 2,127,061. The average rainfall is 30.95 inches. The District has a forest area of 814.1 sq. miles.

Bangalore is the headquarters. It is 26 sq. miles in area and has a population of 778,977. It is a centre of many State-owned and private industries, such as soap, porcelain insulators, electrical transformers, gas mantles, gas lamps, glassware, pharmaceutical products, vegetable oil products, chrome tanned leather, nakki, gotta and lametta. Some of these industries are being carried on on a cottage industry scale. There are also woollen and cotton and silk mills.

Channarayana is situated to the south-west of Bangalore on the Bangalore-Mysore Railway. It has a population of 24,041. The town is noted for the manufacture of lacquer toys and the drawing of wire for musical instruments. It is also a centre for sericulture in the State. It contains a Government Silk Farm and the Mysore Spun Silk Mills, a Government-aided enterprise. Large quantities of coconuts and betel leaves are produced in the town. Considerable quantities of mangoes are also exported.

Chickballapur is a Taluka Headquarters town, 86 miles north-west of Kolar on the Bangalore-Bellary road. It has a population of 20,219 and is a centre for potatoes, onions, jaggery, and groundnuts. There are three groundnut decorticating factories in the town and 30 rice and flour mills. There are also about 20 power looms and an equal number of handlooms manufacturing silk and cotton fabrics. Twenty wholesale merchants in the town carry on trade with Madras and Ceylon.

Tiptur is a Taluka Headquarters town, 48 miles from Tumkur on the Bangalore-Haripur line. There are 60 wholesale merchants carrying on a busy trade in coconut and copra, with Bombay and Bangalore. 12,000 tons of coconut and copra are annually exported.

ADMINISTRATIVE PERSONNEL

Deputy Commissioner and District Magistrate, T. Rangamalliah, B.Sc. I.A.S.

District Agricultural Officer, N. Narasimhaiah, B.Sc. (Agri.)

Assistant Registrar of Co-operative Societies, S. Rama Rao, B.A.

Executive Engineer, Bangalore Division, T. Huthaveeriah, B.E.

District Forest Officer, Bangalore, J. P. Mascarenhas, B.Sc.

District Health Officer, Bangalore, K. Rama Rao, B.Sc., M.B.B.S.

District Medical Officer, Bangalore, A. Rangaswamy, M.B.B.S.

Sales Tax Officer, K. S. Srinivasan, B.A., B.Com.

District and Sessions Judge, Bangalore Dn., K. N. Padmanabhaiah.

B.A., LL.B.

District Superintendent of Police, Bangalore, M. Jal Singh, I.P.S.

District Superintendent of Police, Bangalore City, Albert Manojay.

B.A., B.L.

Inspector of Schools, T. Vasudeviiah, M.A., Dip. Edn. (Leeds).

District Educational Officer, Bangalore, D. R. Narayana Rao, B.A., B.T.

TECHNICAL INSTITUTIONS

Government School of Engineering, Bangalore : Civil, Mechanical, Electrical Engineering, diploma and certificate courses of 3 years' duration.

Agricultural School, Hebbal, Bangalore

Medical School, Bangalore City

Industrial School, Channarayana : Smithy, lacquerware, leather-goods and button-making.

Industrial School, Chickballapur : Carpentry and cotton-weaving

Industrial School, Doddballapur : Carpentry and cotton-weaving.

Industrial School, Nelamangala : Weaving and lacquerware.

Occupational Institute, Bangalore City : Same lines as Polytechnic of Bombay.

Sacred Heart Training School, Shoolay, Bangalore Civil Station.

RESEARCH INSTITUTIONS

The Indian Dairy Research Institute, Bangalore is an educational and a research institution run by the Ministry of Agriculture, Government of India. On the education side there are two courses in Dairying, viz. Indian Dairy Diploma and Short courses. The Institute has four main sections, Dairy Husbandry, Dairy Chemistry, Dairy Bacteriology, and Dairy Technology. Honorary Research workers are also entertained and facilities given to carry out research work.

Sir C. V. Raman's Institute of Physics, Hebbal, Bangalore.

The Laboratories of the Department of Agriculture, Bangalore.

CLUBS IN BANGALORE

Century Club, Cubbon Park, Bangalore.

Basavanagudi Union and Services Club, Bangalore

Basavanagudi Union and Ladies' Club

Recreational Club, Malleswaram.

Babu Reddy's Police Club, J.G.P. Office, Bangalore

Bowling Institute, St. Mark's Road, Bangalore

Bangalore Race Club, Bangalore.

Bangalore Club, Civil Station, Bangalore

Bangalore Golf Club, Bangalore

Mysore State Cricket Association, Bangalore

Mysore State Hockey Association, Bangalore

Mysore State Football Association, Bangalore

LIBRARIES IN BANGALORE

Public Library, Cubbon Park, Bangalore.

Kannada Sahitya Parishat (Library), Bangalore

Gandhi Sahitya Sangh, Malleswaram, Bangalore.

U.S.I.S. Library, Sri Narasimharaja Road, Bangalore.

CINEMA HOUSES IN BANGALORE

Asoka Talkies, Bangalore Civil Station.
 Bharat Talkies, Bangalore City.
 Central Talkies, Bangalore City.
 City Talkies, Bangalore City.
 Elgin, Bangalore Civil Station.
 Geetha, Bangalore City.
 Himalaya, Bangalore City.
 Jai Hind Talkies, Bangalore City.
 Kempe Gowda Talkies, Bangalore City.
 Lakshi Talkies, Bangalore City Station.
 Minerva Talkies, Bangalore City.
 Movie Land, Bangalore City.
 New Empire, Bangalore Civil Station.
 New Globe, Bangalore Civil Station.
 New Imperial, Bangalore Civil Station.
 Palace Talkies, Bangalore Civil Station.
 Paramount Talkies, Bangalore City.
 Plaza, Bangalore Civil Station.
 Rajeshwari Bangalore City.
 Regal, Bangalore City.
 Rex, Bangalore Civil Station.
 Roopamahar, Bangalore Civil Station.
 Sharada, Bangalore City.
 Shivaji, Bangalore City.
 Shree, Bangalore Civil Station.
 States, Bangalore City.
 Super, Bangalore City.
 Swastic, Bangalore City.
 Vijaya, Bangalore City.

HOSPITALS IN BANGALORE

Victoria Hospital, City Market Square, Bangalore.
 Vani Vilas Hospital, Fort, Bangalore.
 Maternity Hospital, Malleswaram, Bangalore.
 Mental Hospital, Hosur Road, Bangalore.
 Minto Ophthalmic Hospital, Albert Victor Road, Bangalore.
 Leper Asylum, Bangalore.
 St. Theresa's Tuberculosis Hospital, Bangalore.
 Bowring Hospital, Hospital Road, Bangalore.
 Lady Curzon Hospital, Hospital Road, Bangalore.
 Hajee Sir Ismail Saif Goshia Hospital, Tasker Town, Bangalore.
 Isolation Hospital, Old Madras Road, Bangalore.

St. Philomena's Hospital, Bangalore 1.
 St. Martha's Hospital, Kempegowda Road, Bangalore.
 Jail Hospital, Bangalore.
 Epidemic Diseases Hospital, Bangalore.
 Santhabai Deva Rao Shivarani Sanatorium, Bangalore.
 Zenana Mission Hospital, Col. Hill Road, Bangalore.
 Tuberculosis Sanatorium, Bangalore 1.

HOTELS

Central Hotel, Queen Statue Circle, Bangalore Civil Station.
 High Ground Hotel, High Ground, Bangalore Civil Station.
 Joyburn Guest House, 29, Infantry Road, Bangalore Civil Station.
 Kingston Guest House, 15, Richmond Road, Bangalore Civil Station.
 Ivender's Hotel, Cubbon Road, Bangalore Civil Station.
 Manel Guest House, 11-C, St. Marks Road, Bangalore Civil Station.
 Shilton House, 1, Grant Road, Bangalore Civil Station.
 West End Hotel, Race Course Road, Bangalore Civil Station.
 Bombay Ananda Bhavan Boarding & Lodging House, 1, Old Goor House Road, Bangalore Civil Station.
 National Boarding & Lodging House, 52, Veerapillai Street, Bangalore Civil Station.
 Saraswati Vilas Boarding & Lodging House, 55, Jeweller's Street, Bangalore Civil Station.
 Subramania Vilas, 124, Veerapillai Street, Bangalore Civil Station.
 Bombay Ananda Bhavan Boarding House, Chickpet, Bangalore City.
 Brindavan, High Grounds, Bangalore City.
 Sastry's Hotel, Chickpet, Bangalore City.
 Malabar Lodge, Rameshwar Temple Street, Chamarajpet, Bangalore City.
 Modern Hindu Hotel, Seshadri Road, Bangalore City.
 Modern Indian Lodge, Platform Road, Bangalore City.
 Neo Mysore Cafe & Boarding House, Kempegowda Road, Bangalore City.
 New Malabar Lodge, Balepet, Bangalore City.
 Prabhat Boarding & Lodging House, Chickpet, Bangalore City.
 Udipi Brahmins' Hotel, Chickpet, Bangalore City.

TRAVELLERS' HUNGALOWS

Robertsonpet, Bangalore.
 Whitefield, Bangalore.

SPINNING AND WEAVING MILLS

Bangalore Woollen, Cotton and Silk Mills Co., Ltd	Messrs. Binny & Co. (Madras), Ltd., Secrs., Treas. & Agents, 7, Armenian Street, Madras	Agraram Road, Bangalore City
Minerva Mills, Ltd	Messrs. N. Srur & Co., Ltd., Mg. Agents, Temple Bar Building, 70, Forbes Street, Fort, Bombay.	Bangalore City, Venkatarangalengar Road, Malleshwaram, Bangalore City.
Mysore Spinning and Manufacturing Co., Ltd	Messrs. Yadalam Subbiah Setty & Sons, Proprietors, Chickpet, Bangalore City	Subramanyapura, Kengeri Post, Uttanahalli.
Bri Krishna Weaving Mills	Messrs. Rama Settler and P. S. Sathappa Chettiar, Proprietors, Office on Mill premises	Yeshvantpur, Bangalore City.
Shree Suryodaya Mills (formerly Bangalore Spinning and Weaving Mills)	D. B. Madhava Krishnaiya, Owner, Office on Mill premises	Chamarajpet, Bangalore City.
T. B. Mills		
Ganesh Textile Mills.—Davangere.		
Shankara Textile Mills.—Davangere.		

MYSORE DISTRICT

Headquarters : Mysore.

Number of Talukas : Ten.

The area of the District is 3,700.3 sq. miles and the population is 1,284,771. The District has an average rainfall of 22 inches 34 cents and a forest area of 447.5 sq. miles.

Mysore, the District headquarters town is also the capital of the State and the residence of the Maharaja. It has an area of 12 sq. miles and a population of 244,323. It is a paddy growing centre, with several mills for hulling paddy. There are a large number of power and handloom industries for weaving cotton and silk fabrics in the town. Sandal wood oil is produced in the Government Sandal Oil Factory. There are a few taxidermists in the town. An exhibition is held here annually.

ADMINISTRATIVE PERSONNEL

Collector and District Magistrate, M. S. Swaminathan, I A S.

District Agricultural Officer, C. M. Revanna, B.Sc. (Hons.).

District Co-operative Officer, G. Rudrappa, B.A., LL.B.

District Engineer, H. Ananthachar, B.E., A.M.I.E. (Superintending Engineer).

District Forest Officer, B. H. Gulab Singh, B.Sc., B.Sc. (Edn.).

District Health Officer, Dr. M. L. Loganathan, M.B.B.S., D.P.H.

District Medical Officer, G. Venkataramaniah, B.A., L.M.S.

District Sales Tax Officer, H. S. Mallaraj Urs, B.A.

District and Sessions Judge, G. Natarajan, B.A., B.L.

District Superintendent of Police, K. S. Krishnamurthy, I.P.S.

Income-tax Officers, K. N. Rama Murthy, M.A., B.L., S. K. Fernandez, B.A. (Hons.), I.C.S.

Inspector of Schools, L. Thimmlah, B.A., B.T. (District Educational Officer)

ASSOCIATIONS

Arasu Mandaliya Sangham, Mysore City : Promotion of interests of Arasu community.

Ayurveda Valdiya Sangha, Mysore City : Promotion of Science of Ayurveda.

Chamaraja Mohalla Mahajana Sabha, Chamaraja Mohalla, Mysore City : Social and civic service.

Hindi Sikshana Samithi, Mysore City.

Hindi Prachar Sabha, Mysore City.

Mysore Theosophical Society, Mysore City.

Mysore Bar Association, Mysore City.

Mysore Literary Union, Mysore City.

Mahila Samaj, Mysore City.

CLUBS

Social Club, Holenarasipur.

Cosmopolitan Club, Mysore City.

HOTELS

Hotel Metropole, Mysore City.

Hotel Brindavan, Brindavan Gardens, Krishnarajasagar.

Bombay Anandabhavan Boarding House, Mysore City.

Chamundeswarai Bhavan, Mysore City.

Dasaprakasa Sivarampet, Mysore City.

Garden Cafe, near Clock Tower, Mysore City.

Krishna Bhavan Boarding House, Mysore City.

Modern Hindu Hotel, Viceroys Road, Mysore City.

TRAVELLERS' BUNGALOWS

Hunsur Town.

Krishnarajanagar Town.

Seringapatam.

Brindavan Gardens, Krishnarajasagar.

Thippagondanahalli.

Kalhatti.

Bababudan Hills.

SPINNING & WEAVING MILLS

SRI KRISHNARAJENDRA MILLS LTD., Shikdalingapur, Mysore, number of Spindles 25,200; Looms 239.

KAPILA TEXTILE MILLS LTD., Messrs. C. P. C. & Co., Mg. Agents, Gandhi Sq., Mysore. Mills at Nanjangud; number of Spindles 19,000, Looms 300.

BELLARY DISTRICT

Area : 3,821 sq. miles ; **Population :** 773 712

District Headquarters : Bellary

Talukas : 7, Villages 504

Talukas with headquarters in brackets : Bellary (Bellary), Hospet (Hospet); Hadagalli (Hadagalli), Sandur (Sandur), Sruguppa (Sruguppa); Kudligi (Kudligi), Harapanahalli (Harapanahalli)

Agricultural products: Cotton, groundnut, choham, korra, sugarcane.

Irrigation is confined to the Tungabhadra region. The head-works of the project are located in Mallapuram (Hospet Taluka). The area irrigated in Bellary by this project will be about 125,000 acres.

Minerals: Iron, manganese. The iron deposits in Sandur are among the richest in India.

Industries: Cotton carpet making, blanket weaving.

There are 17 high schools including two for girls. There is one Intermediate College.

SCHOOLS

In Bellary :

Municipal Hindu High School; Municipal Muslim High School, St. John's High School; Wardlaw High School; S. J. High School; St. Philomena's High School (for girls); Government Girls' High School.

In Hospet :

Municipal High School; Sardar Patel High School; Government Girls' High School.

Other schools with their location in brackets are :

Board High School (Sruguppa); Government High School (Harapanahalli); 5 Board High Schools respectively at Kudligi, Kottur, Hadagalli, Sandur, Kampil.

Veerasaiva College (Intermediate), Bellary

COMMERCIAL ASSOCIATIONS

Bellary District Chamber of Commerce, Bellary, Mine-owners' Association, Bellary, Cloth Merchants' Association.

CLUBS

Bellary Cosmopolitan Club, Bellary, Bellary Officers' Club, Bellary; Bellary Non-Gazetted Officers' Club, Bellary, Hospet Non-Gazetted Officers' Club, Hospet.

HOTELS

Ambha Bhavan, Bellary; **Royal Cafe**, Bellary, **Meenakshi Bhavan**, Bellary.

OFFICIALS

Collector and District Magistrate, K. Seshagiri Rao

District Agricultural Officer, M. Revanna.

District Co-operative Officer, H. K. Chandayya

Executive Engineer (P.W.D.), H. N. Subba Rao

District Forest Officer, K. Subbayya.

District Health Officer, Samapath Ayyangar.

District Medical Officer, Dr. M. V. Rajanna.

District Sales Tax Officer, Narayanaswamy

District and Sessions Judge, G. Natarajan.

District Superintendent of Police, M. G. Hobliker.

Income-tax Officer, L. Venkatachari.

Inspector of Schools, K. Thimmayya.

CHIKMAGALUR DISTRICT

Headquarters : Chikmagalur.

Number of Talukas : Seven.

The area of the District is 2,771 sq. miles and the population 417,538. The District has an average rainfall of 73.45 inches and a forest area, the largest in the State, of 811.5 sq. miles.

Chikmagalur, the District headquarters town, is 25 miles from Kador railway station and has a population of 21,744. Coffee, cardamom and oranges are the principal commodities produced. The town is in the heart of the coffee-growing area. A coffee curing works called Mysore Coffee Curing Works is established here as well as a warehouse for coffee. A number of planters have also settled in this town.

ADMINISTRATIVE PERSONNEL

Deputy Commissioner and District Magistrate, M. S. Shankara Rao, I.A.S.

Executive Engineer, Chikmagalur Division, M. A. Thirumalachar, B.E.

District Superintendent of Police, D. Vijayadevaraj Urs, I.P.S.

District Medical Officer, Dr. B. Subbaramiah, M.B.B.S.

District Health Officer, Dr. S. D. Narayana Gowda, M.B.B.S., D.P.H.

District Forest Officer, C. Jayaram Reddy, M.Sc.

Assistant Registrar of Co-operative Societies, Chikmagalur Division, Chikmagalur, Y. M. Srikantiah, B.Com.

Assistant Director of Animal Husbandry, B. Venkateshaiah, G.B.V.C.

District Educational Officer, T. Abdul Khudus, B.A.

Assistant Commissioner of Labour, Plantation Division, Chikmagalur, Shivappa, B.A.

Revenue Sub-Division Officer, L. Krishna Nalk, B.A.

Amildar, Abdul Aziz, B.A.

Assistant Sales Tax Officer, Rudrappa, B.A.

Assistant Director of Agriculture, Chikmagalur Circle, Chikmagalur, P. Basavalaiah, B.Sc. (Agri.).

EDUCATIONAL INSTITUTIONS

Intermediate College, Chikmagalur.

Industrial School, Chikmagalur : Smithy, Carpentry and Batten work.

ASSOCIATIONS

Malnad Land Holders' Association, Koppa.

Mysore Planters' Association, Bank Buildings, Chikmagalur.

Indian Planters' Association, Chikmagalur.

RESEARCH STATION

Coffee Research Station at Balehonnur. Managed by the Indian Coffee Board.

PRAVASI MANDIRS

Chikmagalur.

Kadur.

Tarikere

Narasimharajapura

Koppa.

Mudigere

Birur.

Kalasa.

Ajjampura

CHITALDRUG DISTRICT

Headquarters : Chitaldrug.

Number of Talukas : Nine.

The District has an area of 4,161.6 sq. miles and a population of 868,370. It has a rainfall of 22.61 inches and a forest area of about 377 sq. miles.

Commercially the most important town is Davangere, which is also the headquarters of a Taluka. It is situated on the Bangalore-Harihar railway line. Ragl, jawar, cotton and groundnut are the chief articles of production and trade. The town has fifteen cotton ginning factories. There are also a number of cotton pressing factories and five weaving mills. Large quantities of groundnut cake are exported via Marmagao to foreign countries.

ADMINISTRATIVE PERSONNEL

Collector and District Magistrate, T. V. Reddi, LL.B. (Wales).

Personal Assistant to the Deputy Commissioner and District Treasury Officer, G. A. Narayana Setty, B.A., LL.B.

Sub-Divisional Officer, Samuel Appaji, M.A.

District Engineer, Chitaldrug Dn., H. N. Sriharshan, B.A., B.E.

District Forest Officer, Syed Hussain, M.Sc., B.Sc. F. (Edn.).

District Health Officer, N. V. Puttabatta, M.B.B.S.

District Medical Officer, K. S. Narayanaswamy, M.B.B.S.

First Class Magistrate, M. S. Bhima Rao, B.A., LL.B.

Second Class Magistrate, G. M. Marulalah, B.A., LL.B.

District Munsiff, C. S. Nanjundiah, B.A., B.L.

District Sales-Tax Officer, G. S. Siddamallappa, B.Sc.

Assistant Sales Tax Officer (I Circle), H. Nanjundappa, B.A.

Assistant Sales Tax Officer (II Circle), B. M. Puttamuddappa, B.Sc.

Assistant Sales Tax Officer (III Circle), T. S. Venkatappa Gowda, B.Sc., LL.B.

District Educational Officer, M. P. Nagaraja Rao, B.A., B.T.

District and Sessions Judge, K. Gubbalaiah, B.A., LL.B.

District Superintendent of Police, M. L. Chandrasekhar, I.P.S.

Assistant Director of Agriculture, K. Basavaraj Urs, I.A.G.

Assistant Registrar of Co-operative Societies, H. K. Chindalah, B.A.

SPINNING & WEAVING MILLS

Davangere Cotton Mills Ltd., Messrs. R. Hanumanthappa & Son, Mg. Agents, Hanumanthappa Building, Chitaldrug Road, Davangere; Spindles 12,960.

Shree Ganesar Textile Mills Ltd., Messrs. G. Mahadevappa & Bros., Mg. Agents, and Secretaries, Davangere; Spindles 25,000; Looms 800.

Shree Shankara Textile Mills Ltd., Messrs. Murugharajendra & Co., Mg. Agents, Davangere; Spindles 25,000; Looms 500.

EDUCATIONAL INSTITUTIONS

Industrial School, Chitaldrug : Wool-weaving, Smithy, and Carpentry.

Intermediate College, Chitaldrug.

Intermediate College, Davangere.

Occupational Institute, Davangere.

B.D.T. Engineering College, Davangere

ASSOCIATIONS

Chitaldrug Mahila Seva Sangha, Chitaldrug. *President*, Smt. Sudha Venkatasiva Reddi, *Vice-President*, Smt. Murigamma Nijalingappa, *Secretary*, Smt. Indirabai Keshavamurthy.

Silver Jubilee Orphanage, Chitaldrug. *President*, T. V. Reddi, Dy. Commissioner; *Secretary*, G. A. Narayana Setty, P.A. to the Dy. Commissioner.

Automobile Association, Chitaldrug. *President*, C. A. K. Zunaldi; *Vice-President*, T. A. Marappa; *Secretary*, S. Hanumantha Rao.

Law Association, Chitaldrug.

Sri Nilakanteswara Cotton Marketing Committee, Chitaldrug. Davangere Trades' Association, Davangere.

CLUBS

Davangere Club, Davangere.

Chitaldrug Club, Chitaldrug.

Chitaldrug Rifle Club. *President*, T. V. Reddi, Dy. Commissioner; *Vice-President*, M. Ramadas; *Secretary*, S. Hanumantha Rao.

TRAVELLERS' BUNGALOWS (1st CLASS)

Chitaldrug.

Davangere.

HASSAN DISTRICT

Headquarters : Hassan.

Number of Talukas : Eight.

The District has an area of 2,715.4 sq. miles, and a population of 715,135. It has a rainfall of 38.73 inches and a forest area of 96.4 sq. miles.

Hassan, the District Headquarters Town has a population of 24,869. The town has one implements factory started by Government. There are also a number of rice mills, engineering and cement works. During the first week of January every year a big cattle fair is held for a fortnight and about 20,000 head of cattle valued over Rs. 5 lakhs are sold.

OFFICIALS

Deputy Commissioner and District Magistrate, K. Balasubramanyam, M.Sc., I.A.S.

District Agricultural Officer, H. C. Nanjalah, B.Sc.

District Co-operative Officer, K. H. Shame Gowda, B.A.

District Engineer, V. Balakrishna Naidu, B.E., A.M.I.E. (Ind.)

District Forest Officer, C. Jayarama Reddy, M.Sc., A.F.C.

District Health Officer, A. R. Sundar Rao, M.B.B.S., D.P.H., M.P.H.

District Medical Officer, D. Shananna, B.A., M.B.B.S.

District Sales Tax Officer, K. Marappa Reddy, B.A., LL.B.

District and Sessions Judge, H. Hombie Gowda, B.Sc., LL.B., (Headquarters Mysore)

District Superintendent of Police, H. Veerabhadralah, M.A., I.P.S.

Income tax Officer, S. Shivanna Reddy, B.A., LL.B.

Inspector of Schools, M. R. Venkatasubba Sastri, M.A., B.T.

EDUCATIONAL INSTITUTIONS

Intermediate College, Hassan.

Occupational Institute, Hassan : Smithy, Carpentry, Rattanwork, Tailoring, Electro-Technology and Civil Engineering

ASSOCIATIONS

King George V Coronation Institute (Reading Room and Library), Hassan

CLUBS

Hassan Club, Hassan.

KOLAR DISTRICT

Headquarters : Kolar.

Number of Talukas : Eleven.

The area of the District is 3,169 sq. miles, and the population 1,129,875. It has an average rainfall of 28.48 inches and a forest area of 285 sq. miles.

Kolar which is the District Headquarters Town has a population of 27,176. Tanning of hides and skins, manufacture of jaggery, brown sugar, agricultural implements, tiles, fertilizers, woollen carpets and rugs, are other industrial activities. There is also a sheep breeders' association. A woollen spinning centre is maintained by the State Department.

Kolar Gold Fields, which form the largest concentration of population in the District, are situated south-west of Bangarpet taluka and are connected to Bangalore and Bowringpet on the main line by railway. It is inhabited largely by working classes. The population is 159,084. The four important mines are Mysore, Nandidrook, Gorgaum and Champion Refr. The entire output of gold of these mines is despatched to the United Kingdom. Raw skins of sheep and goats, cows, bullocks and buffaloes are also exported from this area.

Silk culture at Sidlaghatta and Malur, tobacco curing and ganja cultivation at Goribidanur and manufacture of jaggery of very good variety at Goribidanur taluk, slate pencil and tablets manufacture at Bangarpet and Kolar are the main activities of the taluks in Kolar District.

There is a Co-operative Agricultural Farm at Goribidanur.

Malur Taluk is very famous for the production of Savanthike and Mallige flowers and Chickballapur and Sidlaghatta Taluks for onions and potatoes.

Nandi Hills in Kolar District which is about 4,851 feet above sea level is one of the important summer resorts in Southern India.

ADMINISTRATIVE PERSONNEL

Deputy Commissioner and District Magistrate, B. M. Abu Baker, M.A. (Hons.), I.A.S.

Executive Engineer, R. Sampath Iyengar, B.A., B.E.

Assistant Director of Agriculture, H. C. Nanjalah, B.Sc.

Assistant Registrar of Co-operative Societies, S. Rama Rao, B.A.

District Forest Officer, R. Krishnamurthy, B.A.

District Health Officer, M. Rama Rao, M.B.B.S., D.Ph.

District Medical Officer, F. P. Mascarenhas, M.B.B.S.

District Sales Tax Officer, M. R. Lakshmana Rao, B.A.

District Superintendent of Police, A. P. Ratnamah, B.A., LL.B.

Income-Tax Officer, R. Thoathil, B.A.

District Educational Officer, B. Mani Raj, M.A., B.T., Dip. in Edu.

Assistant Director of Animal Husbandry, J. Munnappa, L.V.P.

District Survey Officer, B. Seetha Raman, B.A.

EDUCATIONAL INSTITUTIONS

Intermediate College, Kolar.

High Schools at Taluk Headquarters and in Manchannahalli Town in Goribidanur Taluk

Occupational Institute at Chintamani.

ASSOCIATIONS

Depressed Class Mission Society, Robertsonpet, Kolar Gold Fields

Kolar Dist. Agricultural Association, Kolar Town.

Kolar Dist. Sheep Breeders' Association, Kolar Town.

Kolar Literary Union, Kolar Town.

Scheduled Castes Federation, Robertsonpet, Kolar Gold Fields

Adikarnataka Abhinudhi Sangam, Hosapete, Kolar Town

Karnataka Sangha, Kolar Town

CLUBS

King George Hall, Cosmopolitan Club, Robertsonpet, Kolar Gold Fields

Town Club, Kolar Town

Town Club, Bangarpet

Town Club, Chintamani

TRAVELLERS' BUNGALOWS

Travellers' Bungalows at all the Taluk Headquarters and Kolar Gold Fields except Bangarpet and Gindibanda towns where there are Musafirhanas.

MANDYA DISTRICT

Headquarters : Mandya.

Number of Talukas : Seven.

The area of the District is 1,935.2 sq. miles and the population 717,646. It has a rainfall of 27.46 inches and a forest area of 61.7 sq. miles.

Mandya, the District Headquarters Town, lies 25 miles north-east of Mysore on the Southern Railway. It has a population of 21,158. Cultivation which is most extensively carried on is sugar-cane. The Mysore Sugar Co., Ltd., a Government aided concern, has its factory here. The factory employs 1,200 persons daily. 25 to 30 thousand tons of sugar are manufactured annually. A distillery is attached to the sugar factory where molasses, a by-product is used for the manufacture of power alcohol. A confectionery is also attached to the sugar factory. Mandya is also a centre for the butter trade. Cart-making and weaving of woollen goods are other industries.

(The administrative personnel had not reached us when we went to press).

EDUCATIONAL INSTITUTIONS

Intermediate College, Mandya.

ASSOCIATIONS

Mandya Merchants' Association, Mandya.

Mandya Bar Association, Mandya.

Public Library, Mandya.

Mahila Samaj, Mandya.

CLUBS

Mandya Club, Mandya.

SHIMOGA DISTRICT

Headquarters : Shimoga.

Talukas : Shimoga, Channagiri, Honnali, Shikaripur, Sorab, Sagar, Nagar, Thirthahalli, Bhadravati.

The District has an area of 4,048.6 sq. miles and a population of 683,315. It has an average rainfall of 56.98 inches and a forest area of 439.4 sq. miles.

Shimoga, the District headquarters town, has a population of 48,524. It is the biggest centre for area trade in the Malnad parts of the State. Rice, jawar, wheat, ragi, cane, jaggery, tamarind, chillies, groundnut are exported to South Kanara and Bombay by rail and road. Chief forest produce includes teak, sandalwood, rosewood. The Government of Mysore maintain a timber depot here and also run a Sandalwood Factory. There is also a match factory called the Mysore Match Factory.

Another notable place is Bhadravati on the Bhadra river, 12 miles south-east of Shimoga. It is an industrial and trade centre with a population of 19,500. The Mysore Iron and Steel Works, the Cement Factory, the Mysore Paper Mills and a Ferro-Silican Plant are all located here. Jog Falls also is a notable place.

ADMINISTRATIVE PERSONNEL

Deputy Commissioner and District Magistrate, M. A. S. Rajan, M.Sc., I.A.S.

Personal Assistant, C. N. Padmanabhaya, B.A.

Sub-Division Officer, Shimoga, Y. Rupla Nath, M.A.

Sub-Division Officer, Sagar, A. B. Adinarayaniah, B.Sc.

District Treasury Officer, G. H. Adirajaya, B.Sc. (Hons.)

District Superintendent of Police, M. Mahadevappa, M.A., B.L.

District and Sessions Judge, K. Gubbalaiah, B.A., LL.B.

District Medical Officer, Shimoga, T. L. N. Pandit, B.Sc., L.M.S.

Superintending Engineer, K. Subba Rao, B.A., B.E., M.I.E. (Ind.)

District Educational Officer, Syed Basheer Ahmed, M.Sc., B.T., T.D. (Lond.), Dip. Edn., M.Ed. (Leeds).

Conservator of Forests, Shimoga Division, D. A. Rama Rao, B.Sc., A.L.I.Sc.

District Health Officer, vacant

Assistant Director of Agriculture, C. Ramalath

Sales-Tax Officer, Mir Sherifuddin, B.A.

EDUCATIONAL INSTITUTIONS

Intermediate College, Shimoga.

Industrial School, Sagar: Smithy, Sandalwood Carving and Carpentry.

Industrial School, Shimoga: Smithy and Carpentry.

ASSOCIATIONS

Agricultural Association, Vanivilas Sagara, Hiriyur: Improvement of Agriculture.

Bhadravati Labour Union, Bhadravati.

Mahila Samaj, Shimoga.

Free Reading Room & Library, Shimoga.

Karnataka Sangha, Shimoga.

Land Trust of India Society, Sagar Town.

Malnad Agriculturists' Association, Thirthahalli.

Law Association, Shimoga.

Shimoga Services Association.

Hotel Keepers' Association.

Non-Gazetted Officers' Association.

Grain Merchants' Association.

Cloth Merchants' Association.

Mysore Paper Mills Labour Association.

Mysore Cement Factory Association.

Bus Drivers' Association.

CLUBS

Shimoga Club, Shimoga.

Thirthahalli Club, Thirthahalli.

HOTELS

Minakshi Bhavan, Shimoga.

Maruti Bhavan, Shimoga.

National Lodge, Shimoga.

Welcome Hotel, Shimoga.

TRAVELLERS' BUNGALOWS

Harihar.

Hiriyur.

Holikere.

Shimoga Town.

Government Circuit House, Shimoga.

Thirupalaya's Choultry.

Courpalaya's Choultry.

Railway Station Rest House.

TRADES AND PROFESSIONS

Achar's Book Stall, Town Railway Station, Shimoga.

D. Halappa & Manjappa, Shimoga.

H. Nanjundappa Ramalath, Shimoga.

Karnataka Radio Engineering Co., Radio and Sound Engineers, Shimoga.

The Mysore Match Co., Ltd., Bangalore, Honnavar Road, Shimoga (Mysore State).

Radio Sales and Service, near Caltex Bunk, Shimoga.

Rama Sastry Frame Works, Big-Bazaar, Shimoga.

Shankara Coffee Works, Coffee and General Merchants, Shimoga.

The Shimoga Printing and Publishing Co., Ltd., Old Post Office Road, Shimoga.

Sreenivasa Stores, Chemists and Druggists, Agents, H.M.V. and Columbia Gramophone Records, Shimoga.

Sri Markandaya Electric Coffee Works, General Merchants, Shimoga.

Surya Electro-Plating Works, Thimmappa's Koppal, Shimoga (Mysore State).

S. Venkatappa Setty & Sons, Shimoga.

T. Seenappa Setty Bros., Shimoga (Mysore State).

The Tunga Rice and Oil Industries Ltd., B.H. Road, Shimoga.

TUMKUR DISTRICT

Headquarters : Tumkur.

Number of Talukas : Ten.

Tumkur District has an area of 4,082.1 sq. miles and a population of 1,151,362. It has an average rainfall of 26.15 inches and a forest area of 196.3 sq. miles.

Tumkur which is the District Headquarters Town has a population of 35,999. It has eight rice mills, 41 flour mills, six oil mills, one slate-pencil factory, and two tile factories. Groundnuts and groundnut products, castor seed, honey seed and food grains such as ragi, avare, are exported to places in and outside the State.

ADMINISTRATIVE PERSONNEL

Collector and District Magistrate, L. Muniswamy, B A

District Agricultural Officer, H. Puttanalk, B Sc.

District Co-operative Officer, C. Narayana Setty, B A.

District Engineer, K. V. Siddabasaviah, B E.

District Forest Officer, K. A. Sampath

District Health Officer, E. Anantha Rao, B Sc., M B B S, D P H.

District Medical Officer, Dr T. Chandrasekharan, L R O P, M R C S (Eng)

District Sales-Tax Officer, S. Ramachandra Gupta, B A

District and Sessions Judge, K. N. Palmanabhalah, B A, B L

District Superintendent of Police, S. C. Mallappa, B A.

Income-tax Officer, S. T. Shivaswamy, B Sc

Inspector of Schools, O. Kalappa, B A, B T

EDUCATIONAL INSTITUTIONS

First Grade College, Tumkur.

ASSOCIATIONS

Friends' Union, Gubbi

Kanada Sangha, Tumkur.

Sri Krishnarajendra Library, Tumkur.

Union Kanarese Seminary, Tumkur Training evangelists for service among Kannada people.

Public Library, Tumkur.

CLUBS

Tumkur Club, Tumkur.

Madhugiri Club, Madhugiri.

TRAVELLERS' BUNGALOWS

Tumkur and all other taluk Headquarters.

HILL STATION

Devaryanadurga

POST-MERGER

Some particulars about Mysore State after the merger of Bellary are given below :

LAND

Total area : 213,18,000 acres. Forests : 2,175,000 acres. Area not available for cultivation : 2,188,000 acres. Other uncultivated land : 4,901,000 acres. Current fallows : 2,118,000 acres. Net area sown : 8,237,000 acres. Total cropped area : 8,496,000 acres. Area sown more than once : 259,000 acres

IRRIGATION

Area irrigated by Government canals : 272,000 acres. Private canals : 5,000 acres. Tanks : 5,39,000 acres. Wells : 106,000 acres. Other Sources : 95,000 acres. Total : 1,055,000 acres

Crops irrigated : Rice : 753,000 acres. Jowar : 9,000 acres. Bajra : 6,000 acres. Maize : (a) Ragi : 64,000 acres; Wheat : (a) Barely : (a) Other cereals : 15,000 acres. Total : 346,000 acres. Gram : 1,000 acres. Tur : 1,000 acres. Other pulses : 4,000 acres. Total : 6,000 acres. Total foodgrains : 852,000 acres. Sugarcane : 54,000 acres. Other food crops : 50,000 acres. Total food crops : 900,000 acres. Non-food crops—Cotton : 2,000 acres. Other non-food crops : 98,000 acres. Total non-food crops : 98,000 acres. Total : 1,058,000 acres.

AREA, PRODUCTION

Rice : 777,000 acres; **Jowar :** 955,000 acres; **Bajra :** 1,61,000 acres; **Maize :** (a); **Ragi :** 1,723,000 acres; **Small millets :** 5,91,000 acres; **Wheat :** 4,000 acres; **Barley :** —; **Total cereals :** 4,211,000 acres.

Gram : 40,000 acres; **Sugarcane :** 62,000 acres. **Tobacco :** 24,000 acres.

Rice : 247,000 tons; **Jowar :** 144,000 tons; **Bajra :** 17,000 tons; **Maize :** (a); **Ragi :** 232,000 tons; **Small millets :** 48,000 tons; **Wheat :** (a); **Barley :** —; **Total cereals :** 688,000 tons.

Gram : 5,000 tons; **Sugarcane (Gur or jaggery) :** 120,000 tons; **Tobacco :** 3,000 tons.

Groundnut : 518,000 acres; **Castor :** 97,000 acres; **Sesamum :** 63,000 acres; **Rape and mustard :** 4,000 acres; **Linseed :** 1,000 acres; **Total oil-seeds :** 683,000 acres.

Cotton : 344,000 acres.

Groundnut (in shell) : 1,25,000 acres. **Castor :** 6,000 acres. **Sesamum :** 6,000 acres. **Rape and mustard :** (a); **Linseed :** (a); **Total oil-seeds :** 1,37,000 acres.

Cotton : 98,000 acres.

YIELD PER ACRE

Rice : 8.04 maunds; **Jowar :** 4.12 maunds; **Bajra :** 2.87 maunds; **Maize :** 15.29 maunds; **Ragi :** 3.66 maunds; **Small millets :** 2.20 maunds; **Wheat :** 3.40 maunds; **Barley :** —; **Gram :** 3.97 maunds; **Sugarcane (Gur or jaggery) :** 52.51 maunds. **Tobacco :** 4.02 maunds; **Groundnut (in shell) :** 6.57 maunds; **Castor :** 1.64 maunds; **Sesamum :** 2.35 maunds; **Rape and mustard :** 2.10 maunds; **Linseed :** 3.28 maunds; **Cotton (Lint) :** 1.35 maunds.

LIVE-STOCK

Total Cattle : 5,046,000. 1. Males over 3 years : 1,783,000 (i) Breeding : 15,000. (ii) Working : 1,630,000; (iii) Others : 138,000. 2. Females over 3 years : 2,007,000 (i) Breeding : (a) In milk : 510,000. (b) Dry and not calved : 1,103,000; (ii) Working : 356,000; (iii) Others : 38,000. 3. Young stock : 1,256,000. **Total Buffaloes :** 1,208,000. 1. Males over 3 years : 66,000 (i) Breeding : 12,000; (ii) Working : 45,000; (iii) Others : 9,000. 2. Females over 3 years : 7,32,000. (i) Breeding : (a) In milk : 296,000; (b) Dry and not calved : 421,000 (ii) Working : 5,000 (iii) Others : 10,000. 3. Young stock : 410,000. **Total sheep :** 2,987,000; (i) One year and above : 2,703,000; (ii) Below one year : 2,84,000. **Total goats :** (i) One year and above : 1,487,000; (ii) Others : 214,000. **Total Horses and ponies :** 23,000 (i) 3 years and above : 7,000; (ii) Below 3 years : 16,000. **Mules :** (a). **Donkeys :** 47,000. **Camels :** (a); **Pigs :** 95,000. **Total Livestock :** 11,107,000. **Total Poultry :** 3,589,000. **Fowls :** 3,556,000. **Ducks :** 33,000.

AGRICULTURAL IMPLEMENTS

Ploughs : (i) Wooden : 1,086,182; (ii) Iron : 67,416

Carts : 340,780.

Sugarcane crushers : (i) Power : 697; (ii) Bullocks : 6,905.

Oil Engines : 838

Electric pumps : 1,559

Tractors : 147

Chaffcutters : —

(i) More than 5 acres : 1,597

(ii) Less than 5 acres : 1,941

(a) = Negligible

COMMERCIAL FIRMS IN BANGALORE

Abdul Careem & Sons, Government Clothing Contractors, Chickpet, Bangalore.

Abdul Gaffar, H. R. & H. M. Gulam Ahmed, Proprietors, Modi Power Printing Works, Sri Narasimharaja Road, Bangalore.

Abdul Gaffoor & Sons, T. M., Stationers and General Merchants, 210, Avenue Road, Bangalore.

ABDUL QADIR, K. H., 154, Ebrahim Sahib Street, Bangalore. Manufacturer of Highclass Washing Soaps, Toilet Soaps, Soap Base and Candles. Tel. Address: "KAYHECH". Phone: 367 & 367-A.

Abdul Razack Sahib & Sons, P., Hardware Merchants, Gundopanth Street, Bangalore.

Abdul Sattar Hajee Dawood Salt, Mandy Merchant, New Tharagupet, Bangalore.

Abdullah Basha, B. S., General Merchant, Old Tharagupet, Bangalore.

Adinarayana Setty & Sons, A. C., Textile Manufacturers, 106, Sultanpet, Bangalore.

Ahmedally & Co., A., Hardware Merchant, Sri Narasimharaja Road, Bangalore.

Aiyar & Co., Stock and Share Brokers, Kempegowda Road, Bangalore.

Ambalam & Brothers, Photographers, Kalasipalayam, Bangalore.

Ambi & Co., Stationers, Avenue Road, Bangalore.

Amco Limited, Manufacturers of Batteries, etc., Mysore Road, Bangalore.

Amichand & Co., V., Piece-goods Merchants, 351, Chickpet, Bangalore.

Anand Brothers, Manufacturers' Agents and Distributors, Kempegowda Road, Bangalore.

Ananth, K. V., B.Sc., Manager, Mysore Lamp Works Ltd., Malleswaram, Bangalore.

Anur Brothers, Stationers and Rubber Stamp Makers and Advertisers, 77-78, Balepet, Bangalore.

Appajayya Setty & Sons, R. V., General Merchants, New Tharagupet, Bangalore.

Appanna Setty & Sons, A. K., General Merchants, New Tharagupet, Bangalore.

Bangalore Publicity Service, Bangalore.
Bangalore Gold Thread Company, 27, Subedar Chatram Road, Seshadripuram, Bangalore.

Batchamiyam Sahab & Co., A., General Merchants, New Tharagupet, Bangalore.

Bhiwandiwalla & Co., A. H., Sugar and General Merchants, 8, Old Tharagupet, Bangalore 2.

Bhoopalam Chandrasekharalah & Co., No. 8, Mamulpet, Bangalore.

Bombay Auto and Radio Stores, 50, Sri Narasimharaja Road, Bangalore.

Bombay Life Assurance Co. Ltd., Visveswarapuram, Bangalore 4 Phone: 2182.

C. A. Gallakotwala & Co. Ltd., Sri Narasimharaja Road, Bangalore; Hardware and Mill Stores Merchants.

Capital Cycle and Motor Company, Sri Narasimharaja Road, Bangalore.

Cement Marketing Co. of India Ltd., Sugar Company Building (near Town Hall), Sri Jayachamaraja Wadlyar Road, Bangalore City.

Central Electric and Industrial Co., 1, Sri Narasimharaja Road, Bangalore City.

Chinal Silk Trading Co. Ltd., Raw Silk Yarn Merchants, 432, Avenue Road, Bangalore 2.

Chiniwar & Co., Malleswaram Post, Sample Road, Bangalore 3.

Commercial Hardware Co., General Hardware Merchants, 21, Old Poor House Road, Bangalore.

Consolidated Electric Industries, No. 20, Sri Narasimharaja Road, Bangalore City.

Coomaraswamy Pillay & Co., M., Sanitary and Waterworks Contractors, 478, Avenue Road, Bangalore.

Cowasji & Co., Excise Contractors, Alexandra House, Richmond Town, Bangalore.

Davidoss & Co., Chickpet, Bangalore.

Deshbandhu & Chaya, Bangalore.

Deel Soap and Ink Works, Sampangi Tank Road, Bangalore.

Dhondusa Dhaktappa & Brothers, S., Gota and Gold Thread Merchants, Subedar Chatram Road, Bangalore 2.

Dontl Venkatesiah Setty & Sons, Yarn and Silk Merchants, Chickpet, Bangalore City.

Dunlop Rubber Co. (India) Ltd., 24, Mahatma Gandhi Road, Bangalore 1. Phone No. 7. Manufacturers: Tyres, Accessories and Dunlopillo.

Eari & Co., 10, South Parade, Bangalore.

Egyptian Confectionery, 1, Haines Road, Bangalore.

Elgin Electric Flour Mills, Hosur Road, Bangalore.

Elgin Talkies, Blackpally Road, Bangalore.

Emberuman & Co., Manufacturers' Representatives, Krishna Building, Avenue Road, Bangalore.

Empire of India Life Assurance Co. Ltd., Branch Office for Mysore and Coorg, District Board Building, Kempegowda Road.

Firestone Tyre and Rubber Co. of India Ltd., 1-A, Sydney Road, Bangalore.

Foster & Co., Chemists and Druggists, 15, St. Mark's Road, Bangalore.

Funnel Ltd., 16, South Parade, Bangalore.

Furtado & Sons, B. X., Contractors, Sri Krishna Buildings, Avenue Road, Bangalore.

Gangoji Rao & Sons, T. L., Laxman Rao Road, Balepet, Bangalore.

Ganjam Nagappa & Son, Diamond Merchants, Arcot Srinivasachar's Street, Bangalore.

Gannon Dunkerly & Co. Ltd., Engineers and Contractors, 157, Sri Narasimharaja Road, Bangalore.

General Assurance Society Ltd, 111, Gandhinagar, Bangalore.

General Electric Company of India, Ltd., 5, Mahatma Gandhi Road, Bangalore.

General Engineering Supply Co., 40, Silver Jubilee Park Road, Bangalore.

General and Machinery Company, Osmania Buildings, Sri Narasimharaja Road, Bangalore.

Girimaji & Co., G. S., Electrical, Mechanical and Sanitary Engineers, Shankarapuram, Bangalore.

Glenand Products, 2, South Parade, Bangalore.

GOLDWIN AERATED WATER FACTORY, 2, Lalbagh Road, Bangalore 2

Good Year Tyre and Rubber Co., Central Street, Bangalore.

Gopalan & Co., Stationers and Contractors, Avenue Road, Bangalore.

Gorappa & Son, A., Dealers in Stylish Silk Sarees, 51, Jumma Masjid Road, Bangalore, 2. Phone: 3158.

Govindiah Setty & Bros., B. N., Sri Balasubramanya Jewellery Hall & B. S. Motor Service, Nagarthpet, Bangalore.

Gowri Shanker Chemical and Pharmaceutical Works, 64, Lalbagh Road, Bangalore.

GURUSIDAPPA & SONS, C., Merchants, Importers, Exporters and Commission Agents, Chamarajpet, Bangalore.

Hajee Habib Ahmed Moosa & Co., Ebrahim Sahib Street, Bangalore.

Hajee M. Mohamed Zakria & Co., Ebrahim Sahib Street, Bangalore 1.

Haji Mohamed Oosman Sahib & Co., Hardware Merchants, Godown Street, Bangalore.

Huskur Chennabasappa & Sons, Druggists and Perfumery Merchants, 173, Crescent Road, Bangalore.

Hussen & Co., M. N., Hardware Merchants, Commercial Street, Bangalore.

Hymanshu & Co., Radio, Sound and Electrical People, Mahatma Gandhi Road, Bangalore 1.

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Jaffar Khan & Bros., C. M., Timber Merchants, New Bamboo Bazaar, Bangalore.

Jahgirdar & Co., Stock and Share Brokers and Investment Consultants, Seshadripuram, Bangalore 3

Jaya & Co., Yarn Merchants, 746, Chickpet, Bangalore.

Jaya Bharatam Co., Manufacturers of Jaleco Products, 1422, Sample Road, Malleswaram, Bangalore.

J. B. Advani & Co. (Mysore) Ltd., Importers, Exporters and Manufacturers' Representatives, Silver Jubilee Park Road, Post Box 48, Bangalore 2

Kamal & Co., 121, Sultanpet, Bangalore City.

Kapurehand & Co., Cloth Merchants and Film Distributors, 22, Chickpet, Bangalore.

Katta V. Srinivasa Setty & Sons, Jewellers, Avenue Road, Bangalore.

Katte & Company, Avenue Road, Bangalore.
Kenkare Brothers, Silk and Yarn Merchants, Gandhinagar, Bangalore.

Keshavalal & Co., Sri Narasimharaja Road, Bangalore.

K. H. Shama Rao & Sons, 12, Lalbagh Road, Post Box No. 66, Bangalore 2 Manufacturers of "Samsons Dresses".

Kocheta & Sons, K. M., Jewellers, Avenue Road, Bangalore.

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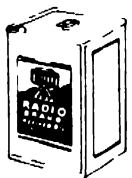
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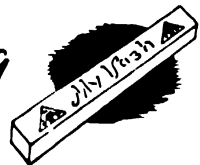
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Laxmi & Co., Stock and Share Brokers, Sesadripuram Extension, Bangalore.

Laxmi Electric Stores, Avenue Road, Bangalore.

Lilliput Pictures, Bangalore City. Prop. T. Dwarkanath.

Lokkur & Co., Stock and Share Brokers, Kempegowda Road, Bangalore.

M. Chandameyan Sahib & Son, General Hardware and Paint Merchants, 76, Commercial Street, Bangalore 1.

Madras Auto Service Co. Ltd., 159, Sri Narasimharaja Road, Bangalore.

Madurai Mudallar & Sons, P. M., Iron Founders, Cottonpet, Bangalore.

Maganlal & Co., Patel Radio and Electric House, Chickpet, Bangalore.

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Maruthi Paper Mart and Binding Works, 158, Sultanpet, Bangalore.

Metro Malleable Manufacturers Ltd., Silver Jubilee Park Road, Bangalore City. General Engineers and Founders.

Misrimal Bhabutmal & Brothers, Metal Merchants, 314, Chickpet, Bangalore 2.

Modern Engineering Co., Licensed Electrical Contractors and Dealers in Electric goods, Chickpet, Bangalore.

Mohamed Sait & Sons, H. A. R., Piece-goods Merchants, Chickpet, Bangalore.

Mooniswamy & Sons, Florists and Seedsmen, Lalbagh Road, Bangalore.

Muddanna, M. & Sons, 158, Avenue Road, Bangalore City.

Muhta Chhaganmull & Co., 438, Avenue Road, Bangalore.

Muller Paten Brothers, Chemists and Druggists, 91, Chickpet, Bangalore.

Mysore Carpet Works Ltd., High Class Woolen Drugget Manufacturers, 67, Subedar Chatram Road, Bangalore 3.

Mysore Chemical Manufacturers Ltd., Tarabahal, near Chickbanavare, Bangalore.

Mysore Cycle Importing Co., Chickpet, Bangalore.

Mysore Electrical Industries Ltd., Bangalore.

Mysore General & Commission Agency, Radio House, 9, Central Street, Bangalore.

MYSTORE GLASS AND ENAMEL WORKS LTD., 34, Gandhinagar, Bangalore 2. Phone: Office - 2284, Works - 2500. Makers of Quality Glass Bottles.

Mysore Industrial and Agricultural Marketing Co., 4, Mayavalli Circle, Bangalore.

Mysore Industrial Products, 331, First Main Road, New Tharagupet.

Mysore Industrial and General Agencies, Sri Narasimharaja Road, Bangalore City.

Mysore Insurance Co. Ltd., 6, Sampangi Tank Road, Bangalore.

Mysore Paper Mills Ltd., Asiatic Buildings, Bangalore.

Mysore Commercial Union, Ltd., Post Box No. 89, Bangalore 1.

Mysore Spectacles Co., 89, Sultanpet, Bangalore 2.

Mysore Spinning and Manufacturing Co., Malleswaram, Bangalore.

Mysore Stoneware Pipes and Potteries Ltd., Gandhinagar, Bangalore.

Mysore Sugar Co. Ltd., Sri Jayachamaraja Road, Bangalore.

Mysore Tobacco Co. Ltd., District Board Buildings, Kempegowda Road, Bangalore City.

MYSTORE VEGETABLE OIL PRODUCTS LTD., Head Office: P. O. Box No. 1, Bangalore 2. Madras Office: P. O. Box No. 1163, Madras 21; Factories at Bangalore and Madras; Oil Millers and Manufacturers of Vanaspathi and Refined Edible Oils and Washing Soap. Tel: Address: "MYVOP".

N. Sreeramiah, Venkateshiah & Co., Sole Agents for Mysore Chemical and Soap Works, National Products, Bangalore, D. 48, Old Tharagupet, Bangalore 2. Phone: 3374. Grams: "VENKATESH".

Naidu, S. T. & Sons, Dharmaraja Street Cross, Bangalore Cantt.

Narasimha & Sons, A., Electrical Contractors, Avenue Road, Bangalore.

Narayanawamy & Co., B. V., Dealers in Cement and Building Materials, Arcot Srinivasachar Street, Bangalore.

Natarajan & Co., C. (Regd.), Cycle Importers, P. O. Box 20, Sultanpet, Bangalore 2.

Nathan & Co., V. L., Chemists & Druggists, Quadrant Road, Bangalore.

National Sugar Works and Coffee Powder Manufacturers, Old Tharagupet, Bangalore.

National Type Foundry, The Manavarthepet, Bangalore 2.

Novels Bros., 50, Gandhinagar, Bangalore.

N. S. NARAYAN BROTHERS

156, Commercial Street,
BANGALORE 1.

Parimala & Co., Stock and Share Brokers, No. 29, Gandhinagar, Bangalore.

Parry & Co., Ltd., St. Mark's Road, Bangalore.

Pasupathy Ayyar & Co., K. G., Stock and Share Brokers, Kempegowda Road, Bangalore.

Patel Electric Company, 52, Ekambara Sahuji Lane, Chickpet, Bangalore.

Pathi Adinaranlah & Brothers, Jewellers' Chowk, Avenue Road, Bangalore.

Poobathi Krishniah Setty & Co., Piece-goods & Hosiery Merchants, Chickpet, Bangalore 2.

Poornima Silk House, Chickpet, Bangalore City.

Porcelain Products Co., Subedar Chatram Road, Bangalore.

Pouravani, Bangalore City.

Prabhakara Rao & Co., Stock and Share Brokers, Chickpet, Bangalore.

Premier Book Company, Publishers, Booksellers and News Agents, Kempegowda Road, Bangalore.

R. Patel & Co., St. Mark's Road, Bangalore.

Radio Engineering Co., Philips House, 6-D, Brigade Road, Bangalore.

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Raja Cycle and Motor Works, "Raja Buildings", Sri Narasimharaja Road, Bangalore.

Rajagopalan & Co., V. S., South Parade, Bangalore.

Raja Laxminarayana Setty & Sons, Dealers in Automobile Spare Parts, Sri Narasimharaja Road, Bangalore.

Rajaputana Electric Stores, Avenue Road, Bangalore.

Ram Mohan & Co., Travelling Agents, Garudachar Buildings, Bangalore.

Ramnarayan Girdharidas & Co., Avenue Road, Bangalore.

Rangaswamiah H. & Co., Manavarthepet, Bangalore 2.

Reliance Assurance Co. Ltd., Reliance Assurance Buildings, Kempegowda Road, Bangalore.

Reliance Electric Co., 20, Sri Narasimharaja Road, Bangalore.

Richardson & Co., Insurance Consultants, 9, Central Street, Bangalore.

Royal Stores, 11, South Parade, Bangalore.

R. S. Cooper & Co., Booksellers, News Agents, Times of India Office, 112-D, Brigade Road, Bangalore 1.

S. Dhondusa Gold Thread Factory, Subedar Chatram Road, Bangalore City.

Salam Abdul Majeed & Co., M. A., Stationers, Doddapet, Bangalore.

Sampath Brothers, 89, Sultanpet, Bangalore City.

Seshu Iyer & Co., Nu. Pa., Commission Agents and Oil Merchants, Bangalore.

Sha Achaji Tulaji & Co., Chickpet, Bangalore.

Sha Surajmull Magaraj & Co., Dewan Surappa Lane, Chickpet, Bangalore.

Shacoor Ahmed Sait, Shacoorabad, Kengeri, Bangalore.

Shah Brothers, Chickpet, Bangalore.

Shah Sakalchand Babulal & Co., Chowdewari Temple Street, Bangalore.

Shamshuddin & Sons, 6-B, Ulsoor Road, Bangalore.

Shantilal & Co., Oosmania Buildings, Sri Narasimharaja Road, Bangalore.

Shreeves & Co., Chemists and Druggists, Arcot Srinivasachar Street, Bangalore.

Shroff Chennabasappa & Sons, Avenue Road, Bangalore.

Shukoor & Brothers, T. J., Hardware Merchants, Commercial Street, Bangalore.

Shunmughan & Sons, T., New Bamboo Bazar, Bangalore.

Sirhan & Co., 30, 4th Main Road, Malleswaram, Bangalore.

Simpson & Co. Ltd., 20-A, Mahatma Gandhi Road, Bangalore.

Sitaram & Pal Brothers, Arcot Srinivasachar Street, Bangalore City.

Sivaji Soap Nut Oil Mills, New Tharagupet, Bangalore.

Sivashanker Brothers, S. S., Agents and Share Brokers, Sampige Road, Malleswaram, Bangalore.

- Soobiah & Sons, V. B., Printers, Avenue Road, Bangalore.
- Sound Products Co., Sound, Cine and Talkie Equipments, Post Box No. 14, 60, Subedar Chattram Road, Bangalore 2.
- South India Corporation Ltd., 12, Narasimharaja Road, Bangalore.
- Spencer & Co. Ltd., Mahatma Gandhi Road, Bangalore.
- Streeram & Co., Stock and Share Brokers and Dealers, 88, Arcot Srinivasachar Street, Bangalore.
- Srinivasa Murthy & Sons, G., Yarn Merchants, Bangalore.
- Srinivasachari & Co., Distributors, Imperial Chemical Industries, Sri Narasimharaja Road, Bangalore.
- Sri Venugopalaswamy & Co., Butter and Ghee Merchants, Sri Krishnarajendra Road, Bangalore.
- Standard Bricks and Tile Works, Yelahanka, Bangalore.
- Standard-Vacuum Oil Co., Marketers: All Stanvac Petroleum Products, Magadi Road, Bangalore.
- States Engineering Co., Sri Narasimharaja Road, Bangalore.
- Steel Construction Co. Ltd., Hardinge Road, Bangalore.
- Subbiah Setty & Sons, M., New and Old Gunny Bags Merchants, Chamarajpet, Bangalore.
- Sujan & Co., Stock and Share Brokers, 28, Lalbag Road, Bangalore.
- Swastik & Co., Stock and Share Brokers, 92, 3rd Cross Road, Gandhinagar, Bangalore.
- Swastik Agencies, Post Box No. 147, S. J. Park Road, Bangalore 2.
- Syed Bawker & Co., Commercial Street, Bangalore.
- Syed Mahmood & Sons, General Merchants, 6/10, Richards Square, Bangalore 1. Stockists of Crockery, Cutlery, Glassware, Watches, Stoves and Presentation Articles.
- Syed Osman & Co., D., General Merchants, 165-66, Avenue Road, Bangalore.
- Tallam & Co., S. R. L., Cloth Merchants, Dewan Surappa Lane, Bangalore.
- Tallam Subbaraya Setty & Sons, Cloth Merchants, Nagarathpet, Bangalore.
- Tarapore & Co., Engineers and Contractors, Bangalore.
- Tata Oil Mills Co. Ltd. (Tomco Sales Department), 24, Mahatma Gandhi Road, Bangalore 1.
- Time Shop.—Dealers in Watches, Clocks and Fountain Pens, 10, Commercial Street.
- Trade Development Co., Mavalli, Bangalore.
- T. R. & Sons, Chamarajpet, Bangalore.
- Unjon Co., 8-9, Bridge Road, Bangalore.
- United Commercial Bank Ltd, 26, Gandhinagar, Bangalore.
- United India Cycle Co., 39, Silver Jubilee Park Road, Bangalore City.
- United India Life Assurance Co. Ltd., Sri Narasimharaja Road, Bangalore.
- United Trades and Agencies, Electrical Contractors, Chickpet, Bangalore.
- V. Akambara Chetty & Sons, Chetty Hall, 42-43, Commercial Street, Bangalore 1.
- Vale & Co., G. K., South Parade, Bangalore.
- Vasudeva Setty & Sons, T., Diamond Merchants and Jewellers, Krishna Buildings, Avenue Road, Bangalore.
- Veerabhadrapa & Sons, G. R., Avenue Road, Bangalore.
- Venkateshiah Setty & Sons, Danti, Yarn and Silk Merchants, Chickpet, Bangalore.
- Venson & Co., General Merchants, St. Mark's Road, Bangalore.
- Vijaya Publicities, 85, Sultanpet, Bangalore 2.
- Vijayam & Co., B. N., Hardware and Paint Merchants, 2, Gundupanth Street, Bangalore.
- V. R. Brothers, Main Guard Cross Road, Bangalore.
- V. S. R. & Co., Stock and Share Brokers, Chamarajpet, Bangalore.
- Western India Match Co. Ltd., 41, Old Tharagupet, Bangalore.
- Western Stores, 148, Commercial Street, Bangalore.
- Whitney Coates & Co., Auctioneers, 30, Gubbon Road, Bangalore.
- Yadalam Subbiah Setty & Sons, Managing Agents, Sri Krishna Spinning and Weaving Mills Ltd, Chickpet, Bangalore 2.

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D. A R A S A P P A

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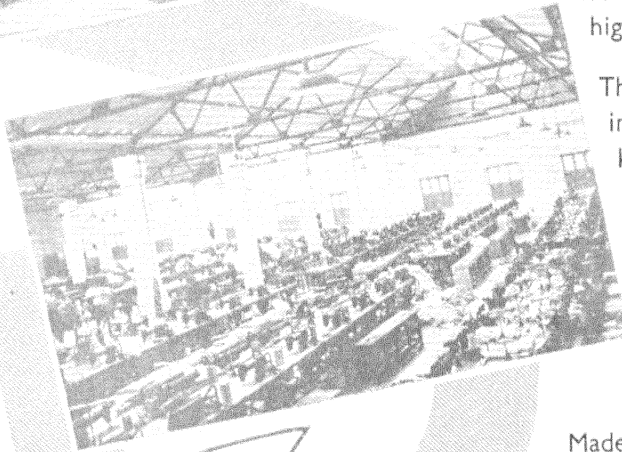
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The Bangalore Dress Manufacturing Company—the biggest of its kind in India is the most modern and fully integrated garment-making unit to do a stylish job economically. Cotton, Silk and Woollen apparel for Men, Women and Children's wear. Smart styling and correct tailoring. Accurate fitting.

Made of reputedly fine fabrics. Automatic invisible double stitching in one operation. Reduction in operating costs and so economical.

Applications invited from established and experienced business promoters in all important district centres to act as Stockists and Agents.

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BOYS BUSH COATS

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SHIRTS

(Half Sleeves)

WOOLLEN SHIRTS
(Full Arm)

BOYS SHIRTS

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BOYS UNDERWEARS

BLOUSES

BRASSIERES & STEPINS

CONVENT FROCKS

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Jain's Lab, Manufacturers of plain or metal edged boxes for packing vaccine tubes and vials, etc. Office, Shoolay, Bangalore 1

CANDLE MANUFACTURERS

K H Candle Works, Manufacturers of High Class Candles, 154 Ibrahim Sahib Street, Bangalore 1

CHEMISTS AND DRUGGISTS

Glenand Products, 2, South Parade, Bangalore
Shroff Channabassappa A Sons Perfumers and Agarbathu Manufacturers Avenue Road Bangalore

CLOTH MERCHANTS

V Akambara Chetty & Sons, Chetty Hall, 42-43, Commercial Street Bangalore 1

CLOTHING MANUFACTURERS

The Bangalore Dress Manufacturing Co Manufacturers of Samsons Dresses Bangalore 2

WAREWELLS (INDIA) LTD., Manufacturers of Warewell's Garments, 3, Lalbagh Road, Bangalore 2.

CORKS AND BOTTLES

Jain's Lab, Manufacturers of Composition Top Corks, a modern packing article to beautify your goods, in various sizes, designs and colours, plain or embossed Office Shoolay, Bangalore 1

ELECTRICAL & MECHANICAL ENGINEERS

Consolidated Electric Industries, No 29, Sri Narasimharaja Road Bangalore City

FOUNTAIN PEN DEALERS

Ambi A Company 28 Avenue Road Bangalore City

GENERAL MERCHANTS

The Central Electric and Industrial Co, No 1, Sri Narasimharaja Road, Bangalore City

The Star Trading Co, Bangalore 4

IMPORTERS AND EXPORTERS

S S ORIENT TRADERS, Exporters & Importers, 57-58, Silver Jubilee Park Road, Bangalore 2

INKS

Jain's Lab, Manufacturers of High Class Inks for Fountain pens Writing, Rubber Stamps, Metal Stamping, Laundry Marking and Stencilling etc Office Shoolay, Bangalore 1

INSURANCE COMPANIES

The Bombay Life Assurance Co Ltd Chief Agents Messrs Kochikar Bros., Ltd, Videswarapuram Circle, Bangalore City

MANUFACTURERS' REPRESENTATIVES

Acharya, M A T & Co Sri Krishna Buildings, Bangalore City

Grams A1 PRODUCTIONS Phone 345

K. K. CORPORATION

George Oakes Building
Bangalore 2

Sole Selling Agents for
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For Everything in Metals BRASS, COPPER, GUNMETAL
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PALACES RAILWAYS, ETC

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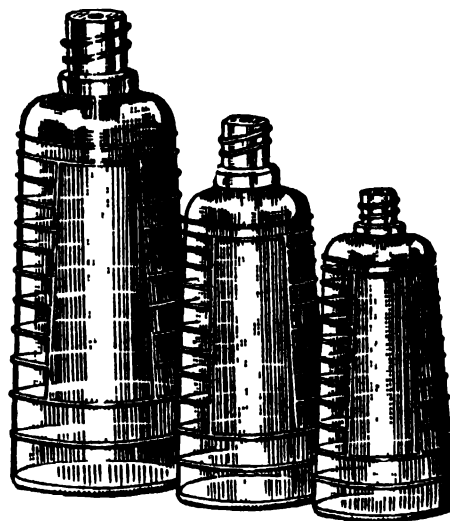
GLASS BOTTLES

for

THE COSMETIC

and

PERFUMERY INDUSTRY



Apply for particulars to

The
Mysore Glass & Enamel
Works Limited

34, GANDHI NAGAR - BANGALORE No. 2

MILLS & MILLOWNERS**MUCILAGES**

Jain's Lab., Manufacturers of Utility Brand, strongest Mucilages and Office Pastes. Office: Shoolay, Bangalore 1.

PAPER MERCHANTS

Ambi & Co., 28, Avenue Road, Bangalore City.
D. M. Mariyappa & Sons, 85, Sultanpet, Bangalore City.

PERFUMERS

Mysore Agarbatti Co., No. 1, Madarsab Street, P. O. Box 78, Bangalore 2.
Shroff Channabasappa & Sons, Perfumers and Agarbatti Manufacturers, Avenue Road, Bangalore.

PHARMACEUTICALS

Jain's Lab., Manufacturers of "Visha-Nashini" the Renowned Scorpion bites cure. Office: Shoolay, Bangalore 1.

PHOTOGRAPHERS & PHOTOGRAPHIC MATERIALS DEALERS

G. G. WELLING, Photographers and Photographic Materials Dealers, 2-C, Mahatma Gandhi Road, Bangalore.

PIECE-GOODS MERCHANTS

Abdul Careem & Sons, Bangalore.
Amichand, V., & Co., Bangalore.
Ceylon Textiles, Bangalore.
Chandunmal Jagraj & Co., Bangalore.
Devarao Shivaram, United India Buildings, Bangalore.
Devichand Niarimull & Co., Bangalore.
Devdoss & Co., Bangalore.
Gulabchand, N., & Co., Bangalore.
Gupta, P. V. R., & Co., Bangalore.
Hajee Ebrahim Besack & Sons, Bangalore.
Hajee Essack Hajee Dada & Sons, Bangalore.
Hajee Jamal Noor Mohamed, Bangalore.
Kapurchand & Co., Bangalore.
Keshabal Phoolchand, J., Bangalore.
Malakala Sivaramiah Setty Raja.
Mannajirao Ramkrishnarao, S. L., Bangalore.
Mohamed Tayubsait, H. A. R., & Sons, Bangalore.
Mohamed Yusuf & Co., Bangalore.
Noor Mohamed Tayubsait & Sons, Bangalore.
Pranlal Kantilal & Co., Bangalore.
Ramaiya, D. N., & Sons, Bangalore.
Ramaswamy, T., & Sons, Bangalore.
Ramaswamy Girdhardas & Co., Bangalore.
Ratilal T. Shah, Bangalore.
Sambhoomal Gangaram, B. & Co., Bangalore.
Shah Brothers, Bangalore.
Shah Mangraj Udachand, Bangalore.
Shamarao, K. H., & Brothers, Bangalore.
Srikantiah Setty, Bangalore.
Tallam, S. R. L., & Co., Bangalore.
Tallam Subbaraya Chetty & Sons, Bangalore.
Yadalam N. Gangadhara Sethy & Co., Chickpet, Bangalore.

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It is favourite to One
and All !!*

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BANGALORE CITY

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★ CHEAP IN PRICES
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"BABY" colour shirtings and coatings are the most attractive and economical.

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MANUFACTURED BY
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Manufacturers of:-

TWISTED SILK YARNS (Raw and
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11, RACE COURSE ROAD, BANGALORE, 2

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makes, High Class English, American, French Perfumes, etc.

RAW SILK DEALERS

Sri Nanjundeswara & Co., 331, First Main Road, New Tharagupet,
Bangalore 2

SALT MERCHANTS

K. H. Abdul Qadir, Jaggery and Salt, 154, Ebrahim Sahib Street,
Bangalore 1.

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Bangalore 2.

SILK MERCHANTS

Poornima Silk House, Chickpet, Bangalore 2
Rangaswamiah, H., & Co., Manavarthpet, Bangalore 2

SILK RIBBONS MANUFACTURERS

Sri Nanjundeswara & Co., 331, First Main Road, New Tharagupet,
Bangalore 2

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K. H. Soap Works, Manufacturers of fine Soaps. Sales Office: 154,
Ebrahim Sahib Street, Bangalore 1

SURVEYING INSTRUMENTS

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154, Ebrahim Saheb Street, Bangalore 1.

Phones 367 & 367-A. Tel "Kayhech"

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National Type Foundry, Manavarthpet, Bangalore 2

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TRADES & PROFESSIONS IN MYSORE

Bahusar Trading Co., Bank Road, Mysore.

Bhagavan Chetty & Co., Hardware and Paint Merchants, Asoka
Road, Mysore.

Chandrasekharappa & Sons, Merchants, Santhepet, Mysore

Chandraseetty, S. N., Rangoon Diamond Merchants, Asoka Road,
Mysore.

Coomaraswamy Pillay & Co., M., Water Works and Sanitary Con-
tractors, 85, Lansdowne Buildings, Mysore.

Coorg and Mysore Coffee Co. (1937), Ltd., Chamundi Curing Works,
P.O. Vanil Vilas Mohalla, Mysore.

Coorg Industries and Saw Mills, Mysore South.

Hajee Tayub Abdul Karim & Co., Merchants, Santhepet, Mysore

Hindustan Coffee Works, Jagan Mohan Palace Road, Mysore

K. KEMPIAH

Ivory & Sandalwood Carver

**Shree Krupa, 375, Benki Navab Street,
Behind C. T. Institute, Mysore.**

MANUFACTURER OF

Art Pieces in Ivory, Sandalwood & Rosewood, Etc.

Kuntalaranjani Works, 1362, Krishnamurtipur, Mysore. Manufac-
turers of Chanchala Agarbatties, Chanchala Tooth Powder, etc.

Kupendrarao Jadhav, Metal Merchant, Asoka Road, Mysore

Mallanna & Sons, P., Merchants, Santhepet, Mysore.

Model Engineering Co., Vanil Vilas Road, Mysore

Modern Motor Service Ltd., Mysore Coorg Joint Booking Agency,
303, Dewan's Road, Mysore.

Murugesah, K., D. Opt., Dentist and Optician, Mysore Bank Building,
upstairs, Sayaji Rao Road, Mysore.

Mysore Silk Filatures Ltd., Mysore.

Mysore Lac and Paint Works, Ltd., Eldga Extension, Mysore.
Manufacturers of Paints and Varnishes.

Mysore Movietone Ltd., "Chirranjan Mahal," Yelwal Road, Mysore.

Mysore Rice Mills Ltd., Saraswatipuram, Mysore

Mysore Patrike, Lansdowne Buildings, Mysore

Mysore Supplies, Penholder Manufacturers, Mysore

Nanjappa & Sons, S., Yarn and Cloth Merchants, Kalamma Temple
Street, Mysore.

Newspaper House, Jayanagar, Mysore.

Raghulal & Co., Chemists, Sayaji Rao Road, Mysore

Ramanna & Brother, K., Merchants and Commission Agents, San-
thepet, Mysore.

Raman, C. A., Proprietor. Rama's Photograph Studio, Mysore
Bank Building, Mysore.

R. Hanumanthappa & Son, Cotton Merchants, Mysore

Sharada Cycle and Watch Stores, Lansdowne Buildings, Mysore

Siddappa & Brothers, M. S., Bankers, Harmonium Dealers and
Timber Merchants, N. Madhava Rao Circle, Mysore.

Sri Ramachandra Bhavan, Restaurant, Jagannathan Place Road,
Mysore.

Sri Venkataswara Book Depot, Lansdowne Buildings, Mysore.

Varadachariu, A. V., & Son, Photographers and Dealers, Curson
Park Road, Mysore

THE PATIALA AND EAST PUNJAB STATES UNION

Area : 10,078 square miles.

Total population : 3,493,685 (Males 1,894,844 ; Females 1,598,841)

Capital : Patiala.

Names of district giving the names of their headquarters within brackets : Patiala (Patiala) ; Barnala (Barnala) ; Bhatinda (Faridkot) ; Fategarh Sahib (Bassi) ; Sangrur (Sangrur) ; Kapurthala (Kapurthala) ; Kandhaghat (Kandhaghat) ; Mohindergarh (Narnaul).

Total number of Districts : 8 ; Tehsils : 24 ; Municipalities : 22 ; Small town committees : 36 ; Panchayats : 2,083 (Nagar panchayats 1,705 ; Adatti panchayats 378) ; Villages : 5,847.

Name of town with population of over 50,000 : Patiala. Strength of State Legislative Assembly : 60.

Number of members returned from the State to the House of the People : 5.

Number of members returned to the Council of States : 3.

Budget for 1953-54 :

Estimated revenue : Rs. 634.93 lakhs.

Estimated expenditure : Rs. 703.54 lakhs including expenditure on Five-Year Plan amounting to Rs. 123.62 lakhs.

The Patiala and East Punjab States Union comprising Patiala, Kapurthala, Nabha, Jind, Faridkot, Malerkotla, Nalagarh and Kaalia States lies contiguous to the boundaries of the Punjab. It was inaugurated at Patiala by the late Sardar Vallabhbhai Patel on 15th July 1948.

The Union covers an area of 10,078 square miles, three-fifths of which form Patiala territory. The population of the Union is homogeneous. All the people speak the same language, namely Punjabi, and have the same kind of customs, etc., factors which make for political unity and solidarity. The Jats who form a major part of the population are among the finest peasantry in India. They are not only good cultivators but are also first class soldiers.

The Patiala and East Punjab States Union like the rest of the country is essentially an agricultural area.

LARGE-SCALE INDUSTRIES

Main large-scale industries with the production and value of production of each industry in brackets : Wheat flour (0.5 mln. md. ; Rs. 6.5 mln.) ; Sugar (41,000 md. ; Rs. 23.5 mln.) ; Cement (3,55,000 md. ; Rs. 22.8 mln.) ; Distillery (0.3 mln. L.P. gal. ; Rs. 2.2 mln.) ; Fruits and Vegetables (13,000 gal. ; Rs. 1.2 mln.) ; Starch (300 tons ; Rs. 0.4 mln.) ; Tannery (0.5 mln. number of leather soles ; Rs. 1.2 mln.) ; Biscuits (11,500 cwt. ; Rs. 1.9 mln.) ; Glass and glassware (23,000 gross bottles ; Rs. 0.1 mln.) ; Iron and steel (Rods—7,000 tons ; Hoop 5,000 tons ; Agricultural implements—1,800 chaff-cutter machines ; Other iron and steel products—7,000 tons ; Rs. 10.6 mln.) ; General engineering (Agricultural implements—350 tons ; Other products 1,000 tons ; Rs. 4.3 mln.) ; Cotton textiles (Yarn 0.2 mln. lb. ; Gray pieces—1.2 mln. lb. ; Bleached cloth—60,000 lb. ; Rs. 3.3 mln.).

Total value of production : Rs. 78 million.

COTTAGE INDUSTRIES

Main Cottage Industries in the State with the value of annual production and number of workers employed by each industry in brackets :

Handloom industry (Rs. 1,08,00,000 ; 22,500) ; Calico printing (Rs. 3,74,000 ; 260) ; Azarband (Rs. 4,50,000 ; 5,000) ; Cycle parts (Rs. 13,50,000 ; 150) ; Sewing machine parts (Rs. 3,60,000 ; 100) ; Tanning industry (Rs. 21,60,000 ; 2,000) ; Ivory goods (Rs. 36,000 ; 10) ; Furniture and cabinet making (Rs. 21,60,000 ; 600) ; Non-ferrous metal industry (Rs. 3,24,000 ; 60) ; Hosiery (Rs. 21,00,000 ; 600) ; Shoe-making (Rs. 60,00,000 ; 4,000).

Total number of registered factories with total number of workers in brackets : 543 (35,823).

Number of registered factories in the following industries with the number of workers in each : Cotton ginning and pressing : 68 (7,093) ; Food except beverages : 32 (951) ; Starch and chemicals : 2 (183) ; Distilling, rectifying and blending of spirits : 1 (172) ; Printing, publishing and allied industries : 3 (134) ; Manufacture of edible oils : 11 (550) ; Basic metal industries, Ferrous : 52 (3,077) ; Manufacture of machinery : 18 (709) ; Manufacture of agricultural implements : 17 (999) ; Electrical machinery, apparatus and supplies : 2 (100) ; Radio and phonographs : 1 (42) ; Electricity, gas and steam : 14 (776) ; Miscellaneous industries, manufacture of : 5 (170) ; Manufacturing of metal products : 11 (389) ; Canning and preservation of fruits : 1 (12) ; Manufacturing of cement : 2 (2,370) ; Manufacturing of sugar : 2 (2,400) ; Textile : 1 (539) ; Tanneries and leather finishing : 1 (137) ; Manufacture of glass : 1 (122) ; Button making : 3 (185) ; Electric goods : 1 (17) ; Rubber and rubber products : 1 (35) ; Water works : 3 (105).

Minerals :

Names of minerals : Mica, Beryl, Manganese, Calcite, iron ore, Marble, Boulders and Ballast Limestone, building stone Barri and sand

Location of the minerals : Kandhaghat and Mohindergarh districts.

An amount of Rs. 1,10,757 in the year 1952-53 was collected as contract money for working of these minerals.

AGRICULTURE

Main food crops of the State with production of each : Wheat 298,000 tons ; Gram 188,000 tons ; Jowar 2,515 tons, Bajra 39,000 tons, Maize 62,000 tons, Barley 32,000 tons, and Rice 9,807 tons

Main cash-crops of the State : Sugarcane, Cotton, Chillies.

Total production of food crops (1951-52) 333,322 tons.

Total area of State : 6,371,858 acres

Total area cultivated : 4,995,261 acres.

Total area of uncultivated land 498,964 acres

Total area under dry cultivation, 3,150,655 acres.

Total area under wet cultivation, 1,844,606 acres.

Total area under food crops 2,800,875 acres

Total area under cash crops : 353,141 acres

Area under individual food crops (1951-52) : Wheat : 761,000 acres ; Gram : 909,000 acres ; Jowar : 77,508 acres ; Bajra : 770,000 acres ; Maize : 170,000 acres ; Barley : 139,000 acres ; Rice : 37,367 acres.

Area under individual cash crops : Sugarcane : 55,004 acres ; Cotton : 294,000 acres

Area possibly available for further cultivation through reclamation measures : 878,020 (out of this 2 lakh acres can easily be reclaimed).

Fruit Gardens :

Total area under fruits : 5,846 acres.

Kinds of fruits : Peaches, plums, cherries, hazel nuts, papaya, loquat, phalsa, etc.

Vegetable Gardens :

Total area under vegetables : 13,204 acres.

Kinds of vegetables : Potatoes, sweet-potatoes, onions, melons, pumpkins, ridge, lady finger, tomatoes, cauliflower, cabbage and peas, etc.

Forests :

Total forest area in State : 47,383 acres.

Area District-wise : Patiala 16,333 acres ; Barnala 869 acres ; Fatehgarh 1,247 acres ; Sangrur 2,386 acres ; Mohindergarh 243 acres ; Kandhaghat 2,386 acres.

Cattle :

Total number of cattle (Cows) : 437,000 ; She-buffaloes : 451,000 ; Bullocks : 489,000 ; Horses and ponies : 20,000 ; Sheep : 205,000 ; Goats : 482,000 ; Camel : 74,000 ; Donkeys : 36,000 ; Mules : 1,000 ; Pigs : 16,000 ; Poultry : 247,000.

TRANSPORT

Mileage of metalled roads : 700 miles.

Mileage of metalled roads maintained by P W D : 700 miles.

Total number of aerodromes : 2 (One owned by the PEPSU Government and the other at Faridkot by the Maharaja of Faridkot).

Total number of passenger buses : 812 ; Public vehicles : 412 ; Taxis : 16 (In Hills) ; Private cars : 1,404 ; Government Black Plate Cars : 450 ; Rulers' Red Plate Cars : 500.

Number of combined Posts & Telegraph Offices : 49 ; Post offices : 418 ; Telegraph offices : 2

Number of Telephone exchanges : 20.

Number of subscribers : 701.

Number of receiving licenses : 8,900.

Transport has not been nationalised in the State.

The Transport Authority is constituted by the State Government by nominating two official members and two non-official members, Financial Commissioner (Revenue) as Chairman and P T C (Provincial Transport Controller) as Secretary.

TRADE

Articles exported on Government account ---

Wheat : 53,848 tons

Wheat atta : 12,961 tons.

Dara wheat (seed) : 2,608 tons.

Local Delivery wheat to Delhi Government --- 3,068 tons.

Barley : 6,184 tons.

Maize : 2,033 tons.

Rice : 3,848 tons.

Articles imported : -

Cement : 18,000 tons yearly.

Cloth : 4,800 bales yearly.

Sambhar salt : 1,356 wagons per year.

POWER PROJECTS

Total capacity of power plant installed in the State : 6,896 kW.

Total effective capacity : 5,500 kW.

Total production during the year 1952-53 : 16,271,532 units.

Number of units supplied to industry : 9,611,928.

Number of units supplied for domestic purposes : 3,595,006.

Location of power stations now in operation with the capacity and production in brackets : Patiala (2,850 kW. ; 5,061,417 units) ; Nabha (200 kW. ; 299,860 units) ; Faridkot (200 kW. ; 402,207 units) ; Sangrur (200 kW. ; 174,377 units) ; Malerkotla (81 kW. ; N.A.) ; Mandi Phul (52 kW. ; N.A.) ; Bhatinda (36 K.V.A. ; N.A.) ; Sultanpur (100 kW. ; N.A.) ; Kandhaghat (308 kW. ; 101,796 units) ; Kasauli (276 kW. ; N.A.) ; Kapurthala (500 kW. ; 2,238,624 units) ; Phagwara (800 kW. ; 5,722,893 units).

Bhakra Nangal Power Project: The project is a joint concern of Punjab, PEPSU and Rajasthan. It was started in 1949-50 and envisages the construction of Power houses No. I and II on Nangal Canal with two generating units of 24,000 kW. at each site and installation of 4 units at Bhakra Dam. The total firm power available from Bhakra Nangal Project will be 400,000 kW.

The Power House No 1 on Nangal Hydel Channel will be completed during 1954 while the second power house will be completed by the end of 1955. Installation of one unit at Bhakra will be completed by the end of 1959 while the remaining units at Bhakra will be completed as and when required.

Transmission lines and local distribution system are under construction; It is proposed to electrify 50 towns in PEPSU within the next 5 years. The whole project is being financed through loan from the Central Government. The total cost of the electricity project is Rs. 44-50 crores and the liability of the PEPSU will be about Rs. 10-80 crores. All the common works, i.e., construction of power houses and installation of units and construction of transmission lines upto 66 kV. are being done by the Punjab Government on behalf of all the partners. They are also constructing 33 kW. lines on behalf of the PEPSU.

Estimated rise in output after completion of the project will be 400,000 kW.

Total power potential available for PEPSU will be 88,000 kW

IRRIGATION

Total Area Irrigated: About 40 lakh acres

Area irrigated by Masonry wells and Tube-wells: 804,840 acres

Area irrigated by Government Irrigation Works (Canals): Sirhind Canal System 1,900,000 acres; Western Jamuna Canal System 596,000 acres; On Punjab branches 593,000 acres.

The Sirhind Canal which takes off from Ruper Headworks feeds Punjab and PEPSU territory. The total authorised full discharge of Sirhind Canal is 9,040 cusecs. The details of PEPSU area which is irrigated from this project are given below:—

On Patiala branches: 1,900,000 acres.

On Punjab branches: 593,000 acres.

The Bhakra Nangal Project is a multipurpose river valley project

The project envisages the construction of a dam about 680 ft. high at Bhakra on Sutlej river 40 miles north of Ruper and construction of Nangal Dam, about 8 miles below Bhakra Dam. It is proposed to take off Nangal Hydel Channel having an authorised full supply discharge of 12,500 cusecs from Nangal Dam for irrigation of area of the different partners. This project will also enhance supplies in Sirhind Canal from 9,040 cusecs to 12,500 cusecs at Ruper. It is expected that the project will be completed by the end of 1959. Total PEPSU area which will be benefited from Bhakra Nangal Project will be 1,345,000 acres gross. In addition it will also enhance the supplies in old Sirhind Canal system by about 40 per cent. The total discharge available for PEPSU area from the project will be about 4,500 cusecs. The total cost of the Irrigation part of the project is Rs. 111-82 crores and the total liabilities of PEPSU are about Rs. 23-50 crores. The entire project is being financed through loan from the Government of India and will be completed by the end of 1959.

Bein River Project: It is proposed to harness the water of Bein River by taking out channel from the existing barrage on the river near Kapurthala and to irrigate about 40,000 acres of land. The total cost of the project is Rs. 8-88 lakhs, it was to be completed by the end of 1953-54.

Narnaul Bund Project: It is proposed to construct a small earthen dam at the confluence of the two small monsoon streams about

2½ miles south-west of Narnaul. It is a famine-protection scheme and will supply water for rabi sowing and Kharif maturing to an area of 6,700 acres. The total cost of the project is Rs. 6-37 lakhs. The project was to be completed by the end of 1953-54.

Tube-well construction under T.C.A. The existing water allowances on Sirhind Canal system is 1-69 cusecs per thousand acres of C.C.A. which is very low and therefore, most of the areas remain unirrigated. In certain tracts, viz. Dhuri and Pail, the subsoil water level has risen very high and water lodging trouble has started. It is, therefore, proposed to install 300 tube-wells in Dhuri-Malerkotla-Pail tehsils supplementing the canal irrigation. The total area under the scheme will be 2-4 lakhs and about 80 per cent of this will get water for irrigation. This area will be taken off from the Canal system. Total cost of the project is 1-93 crores and it is being financed through loan from the Central Government.

The project has been finalised and a contract has been signed with Messrs. Harold T. Smith Inc. for its execution.

With the completion of Bhakra Dam, about 4,500 cusecs of additional discharge will be available in PEPSU for irrigation purposes. The Bhakra Nangal Project will increase the food production in PEPSU by 2-5 lakh tons and the production of cotton by 1-6 lakh bales.

The increase in foodgrains on account of other projects will be as below:—

Bein River Project: 2,000 tons.

Narnaul Bund Project: 4,000 tons. Also a large increase in sugarcane production

Tube-well Project: 48,000 tons. Also 25,000 tons of cotton.

LAND TENURE

Classes of Tenure The first figure in the brackets shows the total area and the second figure the cultivated area.

Owners (4,029,036 acres 2,780,936 acres); Occupancy Tenants (637,331 acres; 621,501 acres); Special Tenants (77,941 acres; 75,971 acres); Tenants-at-Will (1,046,532 acres; 1,011,333 acres); Lessees (145,930 acres; 129,784 acres); Mortgagees (409,869 acres; 384,901 acres).

Total number in the class, owners: 1,689,126; All the other classes: 404,877

Number of landless labourers: 358,676

Names of laws governing Tenure systems with brief summary:—

Owners Punjab Land Revenue Act as applied to PEPSU.

Occupancy Tenants. PEPSU Abolition of Blawadari Ordinance, 2006 Bk. amended by PEPSU Ordinance No. XXXVI of 2006 and PEPSU Act No. IV of 2007.

By this Act, all lands under occupancy tenants are sought to be divided between the landlord and the tenant in the ratio of 1:3. The tenant, however, has the right to purchase the landlord's share after paying the market price of the share or 100 times the land revenue, whichever is less. A new bill seeking to abolish landlords' right against payment of compensation not exceeding 12 times land revenue is under consideration.

Special Tenants: Abolition of Ala-malkiat Rights against compensation not exceeding five times the land revenue is under consideration.

Tenants-at-Will: PEPSU Tenancy (Temporary Provisions) Act, 2008 is in force which ensures tenants against arbitrary ejectments.

New law called Agricultural Lands Bill is under consideration. This gives the tenant right to purchase the land on which they are working against compensation not exceeding

100 times land revenue or Rs. 400 per acre whichever is less. The landlord is authorised to eject tenant upto a limit of 100 acres, if he requires the land for personal cultivation.

Compensation. All compensation exceeding Rs. 250 will be payable by the tenant in six annual instalments to the Government which will be responsible to pay the compensation money to the landlord.

CIVIL SUPPLIES

Names of rationed articles, quantum of each per adult per week: Foodgrains only are rationed informally. The quantum per adult per week is 84 ounces, and 112 ounces in case of manual labour. Wheat and atta are issued in ration.

Monthly requirement of State according to quota: Approximately 3,350 tons of wheat per month.

Degree of control in the State: Control exists over foodgrains, cloth, yarn, cotton, cement, vegetable oil products, salt, bricks, soft coke and drugs. Out of the foodgrains, wheat and rice are fully controlled as regards procurement, movement, price and distribution, whereas maize, millets and barley are only price controlled and their inter-State movement is banned.

Gram is only controlled to the extent that its export is restricted. The storage limit of the foodgrains except gram is 10 maunds of all foodgrains. Other rationed commodities are generally price controlled except cement, the distribution and movement of which is also controlled.

The State is surplus in foodgrains. The surplus quantities are the same as mentioned under export in paragraph under 'TRADE'.

Articles in which the State is deficit and the actual deficit:—Cement: 4,500 tons per quarter; Cloth: 1,200 bales per quarter; Sambar Salt: 339 wagons per quarter.

Amount of Wheat, Rice and Millets procured during the year 1952-53: Wheat: 99,783 tons; Rice: 3,723 tons; Bajra: 122 tons.

Population living under ration system: 1,475,715 (Rural and Urban).

Number of towns in which there is rationing: 63.

CO-OPERATION

Total number of co-operative societies: 1,553.

Total membership of co-operative societies: 46,601.

Total working capital: Rs. 2,20,34,991.

Types of each society and number of each type: Central Banks: 7; Banking Unions: 8; Credit societies: 1,045; Central Non-Credit: 3; Agri. Non-Credit: 148; Non-Agri. Credit: 168; Non-Agri. Non-Credit: 173.

Budget allotment for the year 1953-54: Rs. 5-55 lakhs.

PUBLIC HEALTH

Commonest diseases in State: Malaria, skin diseases, diseases of digestive system, diseases of nervous system, diseases of respiratory system and ulcers. Mortality from these diseases in 1952: 28,650.

Number of allopathic hospitals: 48.

Number of allopathic dispensaries: Urban 91; Rural 56.

Total number of beds in allopathic hospitals and dispensaries: 1,070.

Number of Ayurvedic and Unani dispensaries: 52.

Types of special hospitals (T.B., Cancer, etc.) with number of beds in each: Harding Hospital, Dharanpur: 50; Rajindra Hospital, Patiala: 153; Lady Dufferin Hospital, Patiala: 112; Harindra Hospital, Faridkot: 74; Landowne Hospital, Nabha: 42; R. J. Hospital,

Kapurthala : 47; Civil Hospital, Sangrur : 30; T. B. Clinic, Patiala; V. D. Clinic, Kandhaghat; Hasrui Dispensary, Patiala; Central Jail Hospital, Patiala : 66; 1st Touring Dispensary, Longowal; 2nd Touring Dispensary, Kalayat; 3rd Touring Dispensary, Patiala.

Total number of allopathic doctors : 231; Unani and Ayurvedic doctors : 58; Compounders : 282.

Number of Indoor patients (1951-52) : 209,253; Outdoor patients : 2,734,741.

Number of Government hospitals : 48; Government aided Hospitals : 4 (Dayanand Charitable Hospital, Nabha; Cantt. Board General Hospital, Sabathu; Cantt. General Hospital, Kasauli; Leprosy Hospital, Sabathu).

Total number of medical colleges : 1 (Ayurvedic College started in 1952).

Strength of staff on the preventive side of the department : 155.

Budget allotment to Public Health Department for the year 1953-54 : Rs. 12.77 lakhs excluding Rs. 35.85 lakhs for the Medical Department.

EDUCATION

Elementary Schools :

Number of Institutions : Male 616, Female 112. Total enrolment : Male 44,402; Female 7,691. Total expenditure : Male Rs. 15,58,859; Female Rs. 2,39,105.

Contribution by State Government : Male Rs. 15,58,084; Female Rs. 2,22,694.

By Local Authority : Female Rs. 768

By Private Agencies : Male Rs. 775, Female Rs. 15,643.

Number of teachers : Male 968; Female 154

Secondary :

Number of Institutions : Male 321; Female 45. Total enrolment : Male 93,741; Female 12,182. Teachers : Male 2,658; Female 430. Total expenditure : Male Rs. 39,41,853, Female Rs. 5,51,272

Contribution by State Government : Male Rs. 1,58,543; Female Rs. 4,65,661.

By Local authority : Female Rs. 4,460.

By Private agencies : Male Rs. 2,89,140; Female Rs. 85,603.

Fees : Male Rs. 20,94,172, Female Rs. 25,145.

Classical :

Number of Sanskrit Pathshalas : 7.

Total enrolment : 411.

Government grant : Rs. 13,172

Arts Colleges :

Total number of arts and science colleges : 8.

Total number of women's colleges : 2.

Total enrolment : Male 2,967; Female 1,230. Teachers : Male 171; Female 45.

Total expenditure for the year (1952-53) : Male Rs. 9,16,328; Female Rs. 97,329.

Contribution by State Government : Male Rs. 6,20,100; Female Rs. 38,883.

By Private agencies : Male Rs. 41,918.

Fees : Male Rs. 2,54,280; Female Rs. 8,446.

Professional Colleges :

Total number of professional colleges (Commerce) : 1.

Total enrolment : 39.

Total number of Professors, Lecturers, etc. : 5.

Total expenditure on professional education : Rs. 23,600.

Contribution by way of Fees : Rs. 5,014.

Contribution by State Government : Rs. 18,586.

Normal Schools :

Number of teachers' training institutions : 1 (both for men and women).

Number of training institutions which confer degrees : B.T. classes attached to one Degree College (Brijindra College, Faridkot).

Total number of teachers on staff of training institutions : 8.

Total number of students at Diploma institutions : 322.

Total number of students at Degree institutions : 68 (B.T.).

Total number of new trained teachers available for staffing elementary schools in a year : 675.

Total number of new trained teachers available for staffing secondary schools in a year : 33.

Total expenditure on teacher training : Rs. 14,256 (excluding B.T. classes).

Contribution by the State Government : Rs. 678.

Fees : Rs. 13,578.

Commercial Training Institutions :

Number of commercial training institutions : 3 (Industrial 2; Technical 1).

Total enrolment : 304.

Total number of instructors : 23

Total expenditure : Rs. 55,348

Contribution by State Government : Rs. 10,182.

By Private agencies : Rs. 341.

Fees : Rs. 44,825.

Research and other notable Institutions :

Research Institute, Kasauli (administered by Central Government); Lawrence School, Sanawer (administered by Central Government); Yadavendra Public School Patiala (Trust)

University Scheme

No University at present. But a bill was introduced in State Legislature in the November Session of 1952.

Names of educational or research institutions in State to which the Central Government makes a grant : Research Institute at Kasauli which is administered by the Central Government

Grant given by the Central Government in 1952 for education of Backward Classes : Rs. 6,80,000

Elementary education is not compulsory in the State.

Social Education

Number of adults socially educated in a year : 1,043.

Total number of teachers available : 119.

Total number of adults educated since movement was started : 1,783.

Total expenditure : Rs. 8,318.

Contributions from State Government : Rs. 8,318.

In the session beginning from November 1951 to May 1952, 200 adult education centres were opened. Out of this 119 centres functioned successfully. 2,000 adults were on roll in the centres. Out of this, 1,043 were made literate. The duration of the course is for six months.

In the summer season the classes are held after the school hours in the evening while in winter at night. Literacy certificates are awarded to those adults who pass the literacy test conducted by Inspecting Officers. Teachers of Government institutions impart instruction to the adults in Punjabi and Hindi languages.

It is expected that within a period of five years, i.e. 1956-57 illiteracy will be removed from the whole State.

Place of language in the education system : Teaching of both the regional languages viz Punjabi and Hindi is compulsory. The State is divided into two linguistic zones—Punjabi-speaking area and Hindi-speaking area. In the Punjabi-speaking zone, Punjabi is taught in the Primary stage from 1 to IV classes and Hindi is taught as compulsory language from IV to VII. Similarly Hindi is taught as a compulsory language in the primary stage and Punjabi as second compulsory language from V to VIII in the Hindi zone.

English is the medium of instruction at the College stage. As College education in the State is under the control of the Punjab University, any such scheme, as envisages the replacement of English should emanate from that body.

Working of Wardha Basic Education scheme in the State : Scheme in regard to the opening of the Basic type schools has not yet materialized. However proposals have been under the consideration of the State Government for a pretty long time in regard to the opening of a Basic Education Training School and other Basic Type Schools, etc.

Plans for educational reconstruction or expansion : Under the development plan 114 new Primary Schools are being opened. 204 primary schools will be financed out of the General budget. Proposals have been sent for upgrading 16 primary and L. M. Schools and 4 middle schools.

105 posts are to be added to the existing High, Middle, L. Middle and Primary Schools by way of improvement.

LABOUR

Average daily number of workers in registered factories : 35,823; Women : 367. Industries in which a minimum wage has been fixed : Rice, Flour and Dal Mills and Agriculture.

Average monthly income of worker in 1950 : Rs. 82.

Average monthly earnings of workers in each of more important industries : Iron and Steel Rs. 105; General Engineering : Rs. 90; Sewing machines : Rs. 71; Copper and Brass : Rs. 74; Vegetable oils : Rs. 79; Wheat flour and other food and drink products (sugar, distillery, etc.) : Rs. 97-8-0. Misc. Industries (Cement, Glassware, Tanning, etc.) : Rs. 97-8-0.

Number of Industrial Disputes in 1952 : 16.

Number of strikes in 1952 : 5.

Name of state law affecting trade disputes : Industrial Disputes Act, 1947.

Number of Trade Unions under the Indian Trade Unions Act, 1926 : 8

Total membership : 4,993

The Employees State Insurance Scheme has not so far been extended to this State.

Number of Labour quarters constructed in the Factory Area in Patiala in 1952-53 : 30.

Number of workers employed in newly set up factories : 365.

Number of new factories set up during 1952 : 12.

ADMINISTRATIVE PERSONNEL

Rajpramukh, His Highness Yadavendra Singh, the Maharaja of Patiala.

Rajpramukh's Secretariat

Secretary, Mathura Dass.

Under Secretary, Kr. Sita Ram.

Military Secretary, Ritmohinder Singh.

Comptroller, Household I/c, Major Inder Vikram Singh.

Cabinet

Chief Minister, in charge of Gen. Adm., Political, Police, Jails, Information, Justice, Dharamarth Law, Legislation, Transport, Press, Col. Raghbir Singh.

Finance, Education, Sales Tax, Excise, Industries, Supplies, Brijish Bhan.

Public Works, Local Self-Govt., Labour, Health, Shrivdev Singh.

Revenue, Rehabilitation, Survey, Settlement, Harcharan Singh.

Planning, Development, Agriculture, Forests, Co-operation, Archives, Museum, Raja Surinder Singh.

Deputy Ministers

Deputy Minister to Chief Minister, Master Sadhuram.

Deputy Minister to Finance Minister, Prem Singh Prem.

Parliamentary Secretary

Parl. Secy to Chief Minister, Mrs. Chandravati.

Secretariat

Chief Secretary, Raghbir Singh, I.A.S.

Financial Commissioner and Secretary, Civil Supplies and Industries, Jaldev Singh Sodhi, I.A.S.

Law Education, Medical and Rehabilitation Secretary, Jagjit Singh.

Development Secretary, R. S. Raudhawa, I.A.S.

Finance Secretary, P. K. Wattal.

Secretary, P.W.D., Raghbir Singh (also Chief Engineer)

Revenue Secretary, Lal Singh.

Deputy Secretary, Home, A. N. Kaahyap.

Under Secretary, Home, C. D. Kapur.

Deputy Secretary, Revenue, Raghbir Singh.

Under Secretary, Finance, T. N. Mittal.

Under Secretary, Development, T. A. Subbaramaniam.

Under Secretary, Punjabi and Backward Classes Dept., Purn Singh.

Under Secretary, Education and Health, Raghbir Dayal.

Under Secretary, Rehabilitation, J. D. Khanna.

Officer on Special Duty for Re-organisation of Secretariat, Raghunath Dass Chaudha.

Heads of Departments

Accountant-General (Central), A. K. Mukerjee.
Commissioner of Income-tax (Central), P. K. Sen Gupta (at Simla).

Postmaster-General (Central), P. K. S. Chari (at Ambala Cantt.).

Superintendent of Post Offices, Patiala Division, Shiv Kumar.

Commissioner, Excise and Taxation (Prov.), Pritmohinder Singh.

Chief Conservator of Forests, Balwant Singh.

Chief Engineer, Raghbir Singh.

Director of Industries and Labour, Amrit Rai.

Custodian of Evacuee Property, Mohan Lal Puri.

Director of Agriculture, Arjun Singh.

Joint Director of Extension, Amrik Singh Cherna.

Director of Education, C. K. Kapur.

Director of Health Services, Col. Raghunath Singh Marya.

Director of Information, Sohan Lal Sahir.

Inspector-General of Police, Gurdial Singh, I.P.S.

Director of Panchayats and Registrar of Co-operative Societies, Purn Singh.

Advocate-General, Dewan Chetan Das.

Commissioner, Consolidation, H. B. Mishra.

Director, Punjabi Department, Mangal Singh.

Chief Electoral Officer, A. N. Kaahyap.

Director of Local Bodies, Prem Sarup.

Director of Archives, Ganda Singh.

PUBLIC SERVICE COMMISSION

Chairman, Sardar Mohan Singh.

Member, B. N. Khosla.

High Court

Chief Justice, J. Keshu Ram Passey

Puisne Judge, J. Girdhari Lal Chopra.

Puisne Judge, J. Gurnam Singh.

Puisne Judge, J. Meher Singh

Registrar, Kartar Singh Sandhu

CENSUS

The populations of Districts are as follows:

Patiala : 524,289 ; Barnala : 536,728 ;
Bhatinda : 686,809 ; Fatehgarh Sahib : 237,597 ;
Kapurthala : 295,071 ; Mohindergarh : 443,074 ;
Kandaghat : 147,403 ; Sangrur : 642,934.

TRADES & PROFESSIONS

KAMAL PHARMACY, Manufacturers & Representatives, Opp. Railway Station, Sunam.

RAM LALL MANGATRAI, Tel. Add.: "Cotchillies." Phone: S. Importers, Exporters and Commission Agents, Sunam (PEPSU); Leading Merchants in Chillies & Grain-Seeds; Satisfaction guaranteed; Trial solicited.

RAJASTHAN

Area : 130,207 sq. miles.

Population (1951 census) : 15,290,797 (Males : 7,961,073 ; Females : 7,329,724 ; Rural : 12,041,430 ; Urban : 2,649,367).

Population by religion : Hindus : 13,862,150 ; Sikhs : 144,233 ; Jains : 327,703 ; Muslims : 949,348.

Number of Scheduled Castes : 1,009,074 ; Scheduled Tribes : 316,348.

Capital : Jaipur.

Number of Administrative divisions : 5.

Names of Administrative divisions giving the names of districts in each division within brackets : 1) Jaipur Division (Jaipur Dist., Tonk Dist., Sawai Madhopur, Bharatpur Dist., Alwar Dist., Jhunjhunu Dist. and Sikar Dist.); 2) Bikaner Division (Bikaner Dist., Churu Dist. and Ganganagar Dist.); 3) Jodhpur Division (Jodhpur Dist., Barmer Dist., Jaisalmer Dist., Pali Dist., Nagor, Jaisalmer Dist. and Sirohi Dist.); 4) Udaipur Division (Udaipur Dist., Dungarpur Dist., Banswara Dist., Chittorgarh Dist. and Bhilwara Dist.); 5) Kotah Division (Kotah Dist., Bundi Dist. and Jhalawar Dist.).

Rajasthani in its various dialects is spoken all over the State. The common language is Hindi.

Among castes and tribes the most numerous are the Brahmmins, Jats, Mahajans, Chamars, Rajputs, Minas, Gujars, Bhils, Malls and Balais.

GEOGRAPHY

The Aravalli mountains intersect the country from end to end by a line running north-east and south-west. The heights of Mount Abu are close to the south-western extremity of the range, while its north-eastern end may be said to terminate near Khetri almost on the borders of Delhi.

There are two main regions, one to the north-west of the hills and the other to the south-east. On the whole the north-west region is sandy, ill-watered and unproductive; it improves gradually as we move from west to east. In the extreme west it is mere desert, while towards the east it is comparatively fertile and habitable. The only river of any consequence here is the Luni. The great desert forming the whole of the frontier between Rajasthan and Sind is covered by sand-hills on which grows a kind of coarse grass in the dry season and in the rains slightly richer vegetation. The cultivation is everywhere poor and precarious. Along the base of the Aravalli range the land is well cultivated.

The region south-east of the Aravallis is higher, more fertile, and very diversified in character. It contains extensive hill ranges, long stretches of rocky wold and woodland. The region is traversed by many rivers and in some parts there are wide valleys, fertile table-lands and great stretches of excellent soil. The chief rivers are Banas and Chambal.

There are no natural fresh-water lakes in Rajasthan, the only considerable basin being the well-known salt lake at Sambhar. There are, however, numerous artificial sheets of water in the eastern half of the State. The oldest and the most famous are in Mewar, the Dhebar Lake, the Raj Samand and the Pichola Lake at Udaipur city.

Rainfall is very unequally distributed throughout Rajasthan. The summers are very hot; hot winds and dust storms are common. The winters are very cold. The change of temperature between day and night is sudden, excessive and very trying.

MINERALS, MANUFACTURES

The most important mineral in Rajasthan is coal, but it is of inferior quality. It is generally mixed with the Bengal variety before use. Other

ores are copper, iron, cobalt but all are present in small quantity. The rocks of Rajasthan are rich in building material. Limestone is abundant. One variety is a fine-grained crystalline marble; another variety, the Jaisalmer marble as it is sometimes called is well adapted for fine carving. Sandstone is plentiful almost everywhere, varying greatly in texture and colour. Fuller's earth occurs in parts of Bikaner and gypsum in Jodhpur. Rajasthan has vast salt resources.

The more important industries are the weaving of muslin, dyeing and printing of cotton cloths, manufacture of carpets, rugs and other woollen fabrics, enamelling, pottery, and work in ivory, lac, brass, steel, stone, etc. Jaipur is pre-eminent for enamelling on gold. The best pottery is also produced in Jaipur. Brass and copper utensils of daily use are manufactured everywhere. Sword blades, daggers, knives are manufactured in Jhalawar.

Among the chief exports are salt, wool, woollen fabrics, raw cotton, oilseeds, opium, ghee, marble and sandstone, hides, printed cloths, camels, cattle, sheep and goats. The main imports include food grains, cotton goods, sugar, tobacco, metals, timber and kerosene oil. The principal trade centres are the capitals of the former States.

AGRICULTURE

Main Food (crops of the State : (a) Kharif Crops : (Rice, Bajra, Jowar and Maize); (b) Rabi Crops : (Wheat, Barley and Gram)

Main cash crops of the State : (a) Oil seeds (Sesamum, Groundnut, Rape and Mustard and Linseed); (b) Cotton; (c) Sugarcane.

Total production of Food (crops : 2,216,000 tons (according to crops cutting surveys conducted in 1952-53) (Bajra 475,000 tons; Jowar 310,000 tons; Maize 246,000 tons; Wheat 559,000 tons; Barley 385,000 tons; Gram 234,000 tons and Rice 7,000 tons).

Production of individual cash crops (as per forecast report 1950-51) : (a) Oil seeds (Sesamum 52,000 tons; Groundnut 13,000 tons; Rape and Mustard 35,000 tons; Linseed 12,000 tons); (b) Cotton 13,000 tons; (c) Sugarcane 16,000 tons.

Total area of Rajasthan : 83,332,288 acres. Total area of cultivated land : 29,957,000 (1950-51).

Total area of cultivable land : 50,263,000 acres (1950-51) (including cultivated area).

Total area cultivated twice : 1,046,198 acres (1950-51).

Total area under Food Crops : 15,654,000 acres. Total area under cash crops : 2,248,000 acres (1950-51).

Area under individual Food Crops : Bajra 8,701,000 acres; Jowar 2,002,000 acres; Maize 790,000 acres; Wheat 1,567,000 acres; Barley 867,000 acres; Gram 1,522,000 acres; Rice 205,000 acres.

Area under individual cash crops in 1950-51 : (a) Oil seeds (Sesamum 1,046,000 acres; Groundnut 90,000 acres; Rape and Mustard 385,000 acres; Linseed 264,000 acres; (b) Cotton 375,000 acres; (c) Sugarcane 48,000 acres; (d) Others 45,000 acres.

Area possibly available for further cultivation through reclamation measures : 11,321,000 acres.

Fruit gardens : 132 (State managed).

Fish : Variety of F.M.H. produced : There are large numbers of tanks, lakes and rivers in which inland fishes are found. The main species are the major carps, *pis*, Rohu, Naren Marigal, Kalbons, Katla and other varieties, e. g. Puti, Lanchi, Sole, etc. are also found.

Land Reclamation :

Number of tractors available : 506 (according to 1951 livestock census)

STATE HELP FOR AGRICULTURE

Mannures distributed under State auspices and their quantity (1950-51) : Quantity of compost 14,450 tons; Oilcakes 170 md.; Fertilizers 310 tons.

Quantity of improved seeds distributed : 48,970 md. (1950-51).

Monetary or other help given by Government to cultivators : Rs. 3,52,000 were sanctioned to 111 persons for the purchase of pumping sets and Rs. 7,98,000 were sanctioned to 117 persons for the purchase of tractors and implements out of the total grant of Rs. 10 lakhs as *lacavi* loans.

Number of Agricultural Experimental farms : 20.

Plant Protection Organisation and its Operation : The Plant Protection Organisation has its two fold activities.

(i) *Anti-Locust Operations* : The present locust cycle commenced in 1949. Nearly 4,130 sq. miles of the cultivated area were infested with locust hoppers. To meet this emergency all the staff of Plant Protection and Entomology Section and District Staff was canalised for this purpose. Locust control equipment in the form of hand dusting machines, power dusters, flame throwers and Pesticides were extensively used in the infested areas. The Anti-Locust Operations were successful and completely saved the Kharif Crops of 1951 and Rabi (crops of 1951-52 and nowhere hoppers were allowed to develop into adult locust swarms.

(ii) *Plant Protection Measures*. Under these measures, the following specific items were attended to :—

(i) *Anti-Rat Campaigns* Campaigns against field rats were carried out in Jaipur, Ganganagar, Udaipur, Dungarpur, Bharatpur, Alwar, Tonk, Kotah and Jodhpur Districts. In all about 27,250 acres of cultivated land were cleared of rats by the use of Strychnine Hydrochloride and Zinc-Phosphide baits and H.C.N. Gas fumigation.

(ii) *Grasshoppers (Phakha)* Special staff was deputed for control of this in Kharif, 1951. 52,000 acres of cropped area and 30,000 acres of uncultivated area were dusted with B.H.C. dust from end of June upto end of September. It is estimated that this might have resulted in the saving of Rs. 51 lakhs worth of crops.

(iii) *Control of Insect Pests of Rabi crops*. Five per cent B.H.C. dust was dusted in 33 acres of wheat crops, 330 acres of Barley crops and 40 acres of linseed crops in 1951.

(iv) *Control Operations against Pests and Diseases of Vegetable and Fruits* : About 12,000 citrus trees and 3,000 mango trees were sprayed against the pests and diseases affecting them. Some of the area under vegetable was also sprayed.

(v) *Others* : For the control of sugarcane *Pyralis* which forms the sugarcane crops, about 82 acres of sugarcane were dusted. For the control of pink boll-worms, 400 md. of Cotton seed distributed by the Agriculture Department were fumigated by Methyl Bromide.

Targets set for food crops : 35,000 tons in 1952.

Highest yield per acre of different crops for which prizes were offered in competition : Wheat : 52 mds. 22 seers per acre ; Potato : 1,008 md. per acre.

Budget grant for work outlined above : Rs. 2,486,000 (1952-53).

Number of veterinary experimental stations : There is one Pathology Laboratory at Jaipur and one Biological Products Laboratory at Jodhpur.

Number of Veterinary Hospitals : 127 besides 5 Veterinary Hospitals run by District Boards.

Number of surgeons and stockmen: 59 Veterinary Asstt. Surgeons, 90 Compounders, 127 Stockmen and 65 Dressers.

Budget allotment for the Veterinary Department for the year 1953-54: Rs. 12,00,000.

FORESTS

Location of forests (in forest Divisions) and area in each division: Udaipur: 3,279 sq. miles; Chittorgarh: 1,154 sq. miles; Jodhpur: 536.75 sq. miles; Banswara: 1,093 sq. miles; Sirohi: 440 sq. miles; Jaipur: 402 sq. miles; Bharatpur: 934 sq. miles; Tonk: 219 sq. miles; Kotah: 175 sq. miles; Bundi: 1,070 sq. miles; Jhalawar: 2,510 sq. miles; Baran: 717 sq. miles.

Total forest area in State: 13,129 sq. miles.

The total area shown above includes, private forests of Udaipur, Chittor, Banswara, Tonk, Kotah, Baran, Jhalawar and Bundi Divisions.

Main types of forests: Teak, Bamboo, Dhokara (firewood) and Khair.

Total revenue from forest for 1952-53: Rs. 38,76,927.

Total expenditure: Rs. 25,36,078.

Main forest produce: Timber, Firewood, Charcoal, Bamboos, Grass, Anwal bark, Katha, Gum and Tendu leaves.

Expenditure on afforestation undertaken during the year 1953 (conservancy and regeneration): Rs. 72,562.

LIVE-STOCK

Total number of cattle: Cows: 3,863,673; Buffaloes: 1,544,843; Bullocks: 3,083,343.

Total number of horses: 75,771; Sheep and goats: 5,261,158.

Other livestock: Donkeys 124,340; Mules: 3,763; Camels: 339,063.

Number of chief varieties of fowls: Cocks 104,504; Hens 44,127; Chickens 81,669; Ducks 892; Drakes 1,202; Ducklings 10,692.

LAND TENURE

Land Tenure Systems in the State:

About 41 Tenures of Jagir Land (Section I of R.L.R. and R.J. Act, 1952).

Laws Governing each of these Tenure Systems: The Bundi State Tenancy Act; The Bikaner Tenancy Act, 1945; The Marwar Tenancy Act, 1949; The Jaipur Tenancy Act, 1945; The Jaipur State Grants Land Tenures Act, 1947; The Rajasthan Protection of Tenants Ordinance; The Rajasthan Revenue Courts (Procedure and Jurisdiction) Act, 1951; The Rajasthan Produce Rent Regulating Act, 1951; The Rajasthan Agricultural Rents Control Act, 1952.

These Tenancy Acts will be repealed when the Rajasthan Tenancy Bill becomes an Act.

Brief Summary of the more important provisions of each of these Tenancy Acts: Different Tenancy Acts of covenanting States which are in force at present, will be repealed when the Rajasthan Tenancy Bill is enacted. This Bill aims at introducing uniform Tenancy Law for the whole of the State and will remove the diversity of conditions prevailing in different parts of Rajasthan in respect of Land Tenures and relations of tenant and landlords.

Law passed for expropriating, non-proprietary rented class (Zamindari, Jagirdari abolition): The Rajasthan Land Reforms and Resumption of Jagirs Act, 1952 has been enacted for the resumption of Jagir Lands, with the exception of jagirs utilised for the maintenance of any place of religious worship or for the performance of religious service and such jagirs, the income of which does not exceed Rs. 5,000. It also contains provisions for allotment of Khudkaat land to Jagirdars and for other land reforms, like grant of Khatedari rights to jagir tenants.

Main provisions of this Law especially about compensation:

Every jagirdar whose jagir land has been resumed has to file within 2 months from the date of resumption, a Statement of claim for compensation in a prescribed form before the Jagir Commissioner. On receipt of the statement of claim the Jagir Commissioner shall determine the amount of compensation. Principles governing the determination of compensation are:—Basic year, Gross Income, Calculation of income from rent, Net income and amount of compensation money. Broadly, the compensation payable to Jagirdar shall be 10 times his net income.

Persons who will be expropriated under the Law: All Jagirdars and their dependants except those who have got income less than Rs. 5,000 from their jagirs.

Area of the land that will be released in consequence: 82,000 sq. miles comprising jagir area in the State.

Proportion of this Land to the total area of the State: About 40 per cent.

Persons to whom this land is to be allotted: The landless peasants for Khudkaat.

This Law has been put into operation with effect from 18th February 1952; but the jagirs have not been resumed due to writ petitions filed by the jagirdars challenging the validity of the Rajasthan Land Reforms and Resumption of Jagir Act, 1952 in the High Court of Judicature, Rajasthan. The case is still *sub-judice*.

Source of acquisition of compensation money: From the resources of the State with the assistance of the Central Government.

How the tenants are helped to acquire the land so released: Rules regarding allotment of land to landless tenants are under contemplation according to which they will be allotted vacant land on application to the local Revenue authorities.

IRRIGATION

Names of irrigation projects in operation in the respective divisions showing the area irrigated:

Udaipur Division: Madar: 300 acres; Fatch Sagar lake with channels: 500 acres; Sawarop Sagar and Pichols with channels: 500 acres; Bhupal Sagar tank: 6,000 acres, Jal Samand lake: 15,000 acres.

Kankroli Division: Raj Samand: 10,000 acres

Kotah Division: Ummed Sagar tank including, Bangarh canals: 6,000 acres.

Irrigation West Division, Jaipur: Chaparwara: 900 acres.

Jawai Division: Surpura: 845 acres; Jaswant Sagar: 10,471 acres; Surasamand: 7,600 acres.

Matysa Division: Sikar: 41,669 acres; Jaisamand: 3,360 acres; Jey Sagar: 1,799 acres; Mangalsar: 325 acres; Boochara: 2,375 acres; Ajan Bund: 22,950 acres; Pichuna Canal: 10,600 acres; Ramnagar tank and canal: 4,389 acres; Urmila tank and canal: 2,950 acres; Talshai tank and channel: 436 acres.

East Division: Sainthal Sagar: 3,081 acres; J. Ramgarh: 16,274 acres; Madho Sagar: 2,181 acres; Mansarovar: 3,811 acres; Gula Sagar: 5,287 acres; Dhill: 7,000 acres.

Number of irrigation projects in execution, the total area to be irrigated and total cost, in each division: Kankroli Division: 2; 64,000 acres; Rs. 70 lakhs; Jawai Division: 4; 101,500 acres; Rs. 377.3 lakhs; Jaipur East Division: 4; 37,280 acres; Rs. 65.68 lakhs; Jaipur West Division: 1; Matysa Division: 1; 16,000 acres; Rs. 50 lakhs; Kotah Division: 1; 30,000 acres; Rs. 34 lakhs.

These works are to be financed from the loan from the Government of India under the first Five Year Plan and from the grant of Rs. 50 lakhs under F.F.I. Agreement.

Number of other small projects included in the Five Year Plan, area to be irrigated and the cost: 107 schemes; 356,451 acres; Rs. 710.37 lakhs.

Number of minor irrigation works to be completed during 1953-54, area to be irrigated and the cost: 161 works, 75,600 acres; Rs. 30.50 lakhs. (Financed from the first loan of Rs. 30 lakhs from the Government of India.)

POWER PROJECTS

Total capacity of power plant installed in State.	33,119 kW.
Total effective capacity	24,195 kW.
Total production during the year 1952	58,559,306 units.
Number of units supplied to industry	15,886,286 „
Number of units supplied for irrigation purposes and agricultural purposes	9,384,167 „
Number of units supplied for domestic purposes	8,347,876 „

Electric power for Rajasthan from Bhakra Nangal Project will be received at Sri Ganganagar and Ramgarh. Rajasthan is a partner in the electricity part of the Bhakra Nangal Project, the other two partners being Punjab and PEPSU. It is a multi-purpose project.

The electric power will be generated at Nangal Power Houses No. 1 and 2 and Power House at Bhakra Dam. This work will be done on a common pool basis. In Rajasthan, transmission and distribution of the electric energy will be done for catering the load. The works on the generating stations started in 1950. The works for transmission and distribution of electric energy in Rajasthan was expected to commence in 1953-54 and will continue till 1963-64. Major transmission and distribution lines will be completed by 1955-56 and extensions and augmentations of these lines will continue till 1963-64. Total firm power amounting to 105,000 kW. would be available in post-Bhakra stage.

The generation of electrical power will be in three stages. The two power stations with an ultimate capacity of 72,000 kW. will be situated on Nangal Canal taking off from the Sutlej river at a point 8 miles below the proposed Bhakra Dam and ultimately joining the main river.

Electric power from Sri Ganganagar and Rajgarh will be transmitted for distribution to 39 towns and rural areas catering to a load of 10,000 kW. It is expected that load will grow very rapidly once the importance of electric light and power is appreciated.

The main transmission of the electric power will be made on 66 and 33 kV and the distribution voltage will be 11 kV. Length of the new transmission lines will be as follows:

66 kV. lines	295 miles
33 kV. lines	145 miles
11 kV. lines	370 miles
Total	810 miles

The shares of the partners are as follows:—

Punjab	62.4 per cent
PEPSU	22.4 per cent
Rajasthan	15.2 per cent.

It is expected that financial help from the Central Government would be available in the form of loan. In addition to this the Rajasthan Government will finance the project from State funds.

Summary of the total capital cost upto the end of the year 1963-64 of the whole project for Rajasthan is given below:—

Common pool pro-rata share of Rajasthan.	Cost in lakhs of rupees.
Production	Rs. 187.400
Transmission .. .. .	.. 166.240
Total	Rs. 353.640
Rajasthan	
Transmission	Rs. 241.962
Distribution .. .. .	.. 233.424
Total	Rs. 475.386
Grand Total	Rs. 829.026

Estimated rise in output after completion: It would be possible to cater a load to the extent of 15,000 kW. by the end of the year 1963-64.

Chambal River Scheme: The planning of this scheme is under finalisation. It is a multi-purpose type and will serve about 14,000 sq. miles and a population of 20 millions in Rajasthan and Madhya Bharat. In total 81 localities will be served by this scheme out of which 29 localities fall in Rajasthan.

The project has been divided into three stages. The first stage will have two Dams with one Power Station near the first dam i.e. Gandhisagar Dam, the barrage together with the entire canal system and a part of the transmission system. 60,000 kW. of power will be developed. It is expected that the first stage will be completed by 1957-58. The second and third stages consist of three dams with a Power Station at each and a barrage, with the necessary canal and transmission systems.

The cost of works is as follows: First stage Rs. 33.75 crores; Second stage Rs. 8.05 crores; Third stage Rs. 7.50 crores. Total Rs. 49.30 crores.

This will increase power to 200,000 kW. The Gandhisagar Dam will be situated at a distance of 5 miles downstream of Chaurasgarh Fort where the boundary between Rajasthan and Madhya Bharat runs through the centre of the river. The power potential of the site is 60,000 kW. at 60 per cent load factor.

The Rana Pratap Sagar Dam will be located at a distance of 22 miles downstream of the Gandhisagar Dam. The power potential of the site is 80,000 kW. at 60 per cent load factor.

The Kotah Dam will be the third in series and will be built in the river gorge about 10 miles above Kotah City with a power station at its foot. It will be possible to generate about 60,000 kW. at 60 per cent load factor.

The project will be financed by the Madhya Bharat and Rajasthan Governments.

The load to be catered in Rajasthan by this project:—

	Effective demand in kW.
Stage I	10,700
Stage II	31,000
Stage III	38,500
Total	80,200

Names of power stations in operation with their capacity in kW. and production during 1952 in units in brackets: Jaipur (13,250 kW.; 21,767,272 units); Bikaner (10,078 kW.; 17,444,612 units); Jodhpur (3,640 kW.; 9,466,399 units); Alwar (900 kW.; 953,136 units); Bharatpur (925 kW.; 898,778 units); Bhilwara (60 kW.; 29,627 units, March 1952 to December 1952); Deeg (65 kW.; Mixed with Alwar figure); Dholpur (470 kW.; 649,208 units); Dungarpur (209 kW.; 159,744 units July 1952 to December 1952); Jaisalmer (129 kW.; 91,538 units); Jhalawar (141 kW.; 79,064 units); Karauli (87 kW.; 143,409 units);

Kishangarh (180 kW.; 108,465 units); Sri Ganganagar (1,550 kW.; 3,766,032 units); Kotah (750 kW.; 2,719,980 units); Newal (180 kW.; 68,993 units); Sagwara (45 kW.); Shahpura (22.5 kW.; 34,235 units); Tonk (440 kW.; 387,824 units).

Total production during 1952: 58,859,306 units.

PUBLIC HEALTH

Allopathic Hospitals: Urban—162, Rural—56. Allopathic Dispensaries: Urban—81, Rural—84. Beds in Hospitals: Urban—4,896, Rural 257. T.B. Sanatorium: one; beds 54. T.B. Hospitals: four; beds 172. T.B. Clinic: one; beds nil. T.B. beds in General Hospitals: 24. Lepor Asylums: two; beds 83. Mental Hospitals: three; beds 184. Budgeted sanctioned strength of nurses: 295; Dais: 110; Compounders: 1,332. Indoor Patients: 1 lakh approximately. Outdoor patients: 6 millions approximately. Hospitals: 218; Dispensaries: 165. Budgeted strength of doctors including that of administration: 728. Medical College: one (Allopathic). Medical students in Allopathic College during the year 1951-52: 343. Budgeted sanctioned strength of staff on the preventive side of Health Department: 444. Budget allotment for 1953-54: Rs. 9,98,800. Number of nature cure dispensaries: 1; Homoeopathic dispensaries: 2; Ayurvedic dispensaries: 340; Unani dispensaries: 7 (Urban 3; Rural 4). Total number of Vaidyas and Hakeems: 391 (Vaidyas in Urban areas 43; in rural areas 338, Hakeems in Urban areas 8; in rural areas 4). Number of nurses: 23 (Urban 11; Rural 12). Number of Compounders: 160.

CIVIL SUPPLIES

There is no statutory rationing in this State. However, foodstuffs are supplied in certain areas at controlled rates.

As far as wheat is concerned, the quantum of ration is 9 oz. per adult per day. For coarse grain there is no quantitative restriction on issue and this grain is freely issued subject to the availability of stock at a particular place and time.

There is a free market throughout the State and consumers are at liberty to supplement their requirements.

Monthly requirement of State according to the quota. About 6,000 tons per month.

Degree of Control in the State. The control is being gradually relaxed with certain reservations with a view to decontrol. There is no control on movement within the State except at the time of procurement, when dealers are at liberty to move after delivering the State levy fixed at a certain percentage. At present the levy is fixed at 40 per cent on the stock. This percentage varies from year to year, but variations are not very significant.

State's requirements in Rice: 10,000 tons (Due to overall scarcity of rice in the country this requirement cannot be fulfilled); Wheat: 50,000 tons, Millets and Others: 50,000 tons. Sugar: 60,000 tons; Kerosene Oil: No control. Salt: 2,600,000 md.; Yarn: 20,000 bales; Cloth: 150,000 bales.

Note: These are the nett requirements after meeting internal production except cloth, yarn and salt.

Articles in which the State is surplus and the actual surplus: Only in salt the nett surplus varying from 8 million to 10 million md.

Articles in which the State is deficit and the actual deficit: Rice 10,000 tons; Wheat 50,000 tons; Millets and others 50,000 tons; Sugar 60,000 tons.

Import quotas of these articles: The import quota under the existing system is not allotted to individual States, but import licences are issued to parties on the basis notified by the Government of India from time to time.

Amount of wheat, of rice, of millets procured during 1952: Wheat: 6,00,000 mds.; Other foodgrains: 6,00,000 mds.

System of procurement: Through levy on movement by dealers from surplus to deficit areas.

Population living under ration system: No statutory rationing. Benefit of controlled distribution open to the public. The area in which this controlled distribution is in force at present comprises of 1.9 million urban population and 2.2 million rural population.

Number of towns in the State in which there is controlled distribution: 59.

CO-OPERATION

Total Number of Co-operative Societies: 3,442 (30th June 1952).

Total membership: 1,57,843.

Total working capital: Rs. 2,10,51,545.

Type of Co-operative Societies and their number: Central Credit: Central Banks 10; Central Financing Unions 3.

Central Non-Credit: Federations 8; Marketing Unions 20; Commission Shops 5; Award Union 1; Agricultural Requirement Supply Union 1.

Agricultural Credit: Primary Agricultural Credit 1,734; Gram Banks 5.

Agricultural Non-Credit: Multipurpose 231; Commission shops 6; Purchase and Sale Societies 64; Production and Sale 19; Farming 65; Social Service 254; Primary Land Mortgage Banks 10.

Urban Credit: Salary earners 110; Labour and other 54.

Non-Agricultural Non-Credit: Consumers' Stores 372; Weavers 412; Khadi Producers 5; Calico Printers 11; Hand Made Paper Makers 12; Others 65; Production 38; Social Service 8; Housing 19.

Number of District and Central Banks: 10.

Budget allotment for 1952-53. Rs. 6.1 lakhs.

TRANSPORT

Total mileage of roads: 11,102 miles.

Mileage of metalled roads: 3,519 miles.

Mileage of unmetalled roads: 7,583 miles.

Mileage of metalled roads maintained by P.W.D.: 3,519 miles.

Mileage of unmetalled roads maintained by P.W.D. 7,583 miles.

Total number of Aerodromes: 3.

Number of passenger service buses: 2,026.

Number of goods carrying vehicles: 2,877.

Number of taxi and contract carriages: 151.

Number of private cars: 4,814.

LABOUR

Number of registered factories at the end of April 1953: 365.

Average daily number of workers in registered factories: 12,013.

Names of industries in which a minimum wage is fixed and the minimum wages so fixed.

Agriculture: Adult male worker: Rs. 1-4-0 a day inclusive of all privileges in the area; Adult female worker: Annas 14 a day inclusive of all privileges in the area; Child worker of or below the age of 15 years: Annas 10 a day inclusive of all privileges in the area.

Woollen carpet making or shawl weaving establishment; rice mill, flour mill or dal mill; tobacco (including bidi making) manufacturing; Oil mill; Employment under any local authority; Public motor transport.

Minimum wage fixed: For adults (male): Rs. 30 p.m. or Rs. 1-2-0 per day for 26 days in a month. (This includes D.A. and all other allowances.)

Road construction or building operations: Minimum wage fixed: For adults (male) Rs. 30 p.m. or Rs. 1-2-0 per day for 26 days in a month. (This includes D.A. and all other allowances.)

Stone breaking or stone crushing; Mica works. Minimum wage fixed: For adults (female) Rs. 20 p.m. or Annas 12 per day for 26 days in a month. (This includes D.A. and all other allowances.)

Total number of trade disputes for the year : 68.
Total number of strikes : 13.
Names of Important State laws affecting trade disputes : Nil.
Number of trade Unions in State upto 31st March 1953 : 54.
Strength of Labour Welfare Staff: One lady Labour Welfare Officer, with one Junior Clerk.

EDUCATION, 1952-53

Number of Elementary Schools : (Boys : 3,794 ; Girls : 301).
Total enrolment : Boys : 1,60,209 ; Girls : 27,123.
Total number of teachers : Males : 8,057 ; Females : 985.
Total expenditure : Rs. 71,14,859.
Contribution by State Government : Rs. 6,44,680.
Total number of Secondary Schools : Boys 852 ; Girls 66.
Total enrolment : Boys 1,63,291 ; Girls : 4,250.
Total number of teachers : Males : 2,272 ; Females : 275.
Total expenditure for the year : Rs. 44,03,664.
Contribution by State : Rs. 8,12,551.
Number of European and Anglo-Indian Schools : 8.
Total enrolment : Boys 1,134 ; Girls 345.
Govt. Grant by Central Government : Rs. 126,540 ; Fees Rs. 32,127.
Number of Government Sanskrit Pathshalas : 20.
Total enrolment : 227.
Total number of Arts and Science Colleges : Boys 7 ; Girls 2.
Total enrolment : Boys 7,168 ; Girls 547.
Total number of lecturers : Males : 351 ; Females : 7.
Total expenditure : Rs. 16,75,349.

Professional Colleges :

	No.	Students	Staff	Expenditure
				Rs.
Law College	1	319	9	3,568
Medical College	1	299	58	6,12,569
		(14) G.		
Engineering College	1	52	20	2,15,710
Agricultural College	1	48	14	85,333

Total expenditure incurred on all these : Rs. 9,17,180.
Number of Ayurvedic Colleges run by the State Government : 2.
Number of students in these Colleges : 125.
Total number of teachers' training institutions : Men 12 ; Women 2.
Number of training institutions which confer degrees : 2.
Total number of teachers on staff of training institutions : 167.
Total number of students at diploma institutions : Males 720 ; Females 120
Total number of students at degree institutions : 121.
Total number of new trained teachers available for staffing elementary schools in a year : 840.
Total Number of new trained teachers available for staffing secondary schools in a year : 100.
Total expenditure on teacher training : Rs. 6,82,418 (Males) ; 25,250 (Females).

Research Institutes :
University Department of Economics, Jaipur ;
University Department of Philosophy, Jodhpur ;
University Department of Geology, Udaipur.

There is only one University in the State and it is named as 'University of Rajputana, Jaipur'.

Institution for Deaf and Dumb 1
Total enrolment 29
Number of teachers 9
Government Grant Rs. 10,431

Social Education :

Centres for social education . Males 150 ; Females 70.

Number of teachers available : Teachers are provided in these centres on a honorarium of Rs. 15 and Rs. 20 for males and females respectively.

Number of adults educated in a year : 26,400.
Total number of adults educated since the movement started : 1,15,950.
Total expenditure : Rs. 1,18,000.

The Campaign is to continue till illiteracy is wiped out from the soil of Rajasthan and Primary Education is made compulsory.

Elementary education is not compulsory. It is free throughout the Directorate.

Place of language in the education system : Regional language is not in force. Hindi is compulsory. English is compulsory after VI. Hindi is the medium of instruction.

Examinations which a student has to take : Two examinations are to be undergone. One the Departmental examination managed by the Department. (A Registrar is appointed for the purpose and he is responsible for the conduct of Examinations). The other is of High School Examination. It is conducted by the University of Rajputana. The total number of students appeared was 10,420 and the number passed was 5,044. Thus the failure percentage was 52.

High Schools in Rajasthan

Jaipur :

Government High Schools : Maharaja's Girls' High School, Jaipur ; Maharaja's High School, Jaipur ; Darbar High School, Jaipur ; Rajkiya High School, Motikatta, Jaipur ; Rajkiya High School, Naraina ; Rajkiya High School, Shahpura ; Darbar High School, Sambhar Lake ; Maharani Girls' High School, Jaipur ; Government High School, Bandikul ; Government High School, Basawa ; Government High School, Lalot.

Private High Schools : Maheshwari High School, Jaipur ; K. D. Jain High School, Madanganj ; Scottish Mission High School, Jaipur ; Muslim High School, Jaipur ; Agrawal High School, Jaipur ; Mandelwal Vaish Central High School, Jaipur ; Shri Mahabir Digambar Jain High School, Jaipur ; Shri Subodh Jain High School, Jaipur ; Shwetamber Jain High School, Jaipur ; Shri Sardar High School, Kotputali ; Seth Pratap Rameshwarlal Sanharia High School, Kaladera ; Calcutta Marwari Relief Society High School, Ki-bangarh, Renwal ; Devi Raj High School, Chomu ; Shri Bhawani Nikatan High School, Jaipur West ; St. Xavier High School, Jaipur ; Railway High School, Bandikul.

Jodhpur :

Government High Schools : Mahatma Gandhi High School, Jodhpur ; Darbar High School, Mahlabagh, Jodhpur ; Darbar High School, Phalodi ; Darbar High School, Pall ; Darbar High School, Ball ; Darbar High School, Sojat ; Darbar High School, Sumerpur ; Darbar High School, Sadri ; Darbar High School, Takhatgarh ; Darbar High School, Barmer ; Darbar High School, Balotra ; Darbar High School, Jalore ; Darbar High School, Bhinmal ; Darbar High School, Nagore ; Darbar High School, Ladnun ; Darbar High School, Makrana ; Darbar High School, Merta Road ; Darbar High School, Nawa ; Darbar High School, Jaswantgarh ; Darbar High School, G.H.B.D. High School, Sheoganj ; Jawhar High School, Kuchaman ; City ; Darbar Colvin High School, Jalsamer ; Darbar Girls Hewan School, Mandhi, Jodhpur.

Private High Schools : Shri Sumer Pustikar High School, Jodhpur ; Shri Sumer High School, Jodhpur ; Shri Umed High School, Jodhpur ; Shri Sardar High School, Jodhpur ; Shri Pratap

High School Jodhpur ; Modern High School, Jodhpur ; Nehru High School, Jodhpur ; Mahesh High School, Jodhpur ; Hanwant High School, Jodhpur ; Chopasani High School, Jodhpur ; Vidya Bhawan, Jodhpur ; Shri Parasnath High School, Verkana.

Kotah :

Government High Schools : City High School, Kotah ; New High School, Kotah ; Vocational High School, Kotah ; Govt. High School, Bhimanundhi, Kotah ; Anglo Vernacular High School, Baran ; Govt. High School, Ramganj, Mandhi ; Govt. High School, Chhabara ; Govt. High School, Indergarh ; Kanjit High School, Keshorill, Batan ; Govt. High School, Nainwa ; Sahadat High School, Sirenj ; Seth Anandi Lal Poddar High School, Bhawani Mandhi ; Govt. High School, Gangapur ; Govt. High School, Hindon ; Govt. High School, Sawaimadhopur ; Govt. High School, Malpura ; Govt. High School, Karoli ; Govt. High School, Niwai ; Govt. High School, Lakhari ; Govt. High School, Jhalrapatan ; Govt. High School, Aklera ; Govt. High School, Toda Raisingh ; Govt. High School, Mahwa.

Private High School : Sardar High School, Unlara.

Sikar :

Govt. High Schools : Government High School, Shri Madhopur ; Govt. High School, Jhunjhunu ; Govt. High School, Kamta ; Govt. High School, Neemkathana ; Govt. High School, Amarsar ; Govt. High School, Lusal.

Private High Schools : Jai Singh High School, Khetri ; Birla Balika Vidyalaya, Pilani ; Birla High School, Pilani ; Seth G. B. Podar High School, Nawalgarh ; S. N. Vidyalaya High School, Nawalgarh ; Seth Ram Narain Rula High School, Rangarh ; Shri Raghunath High School, Lachhmangarh ; Bishwambhar Lal High School, Bagar ; Shri Ramchandra Goenka High School, Dundlod ; Shri Pall Ram Brij Lal High School, Surajgarh ; Seth Moti Lal High School, Jhunjhunu ; Shri J. K. High School, Alsar ; Shri Vishudanand High School, Malsisar P. O. Bissau ; Seth Shiv Dutta Rai High School, Baragaon ; Shri Sanatan Dharma Panchayat Vidyalaya, Mandawa.

Alwar :

Government High Schools : Yashwant High School, Alwar ; Pratap High School, Alwar ; High School, Ragarh ; High School, Tijera ; High School, Kherli ; High School, Sahajanpur ; High School, Bhusawar ; High School, Deeg ; High School, Bharatpur ; High School, Bayana ; High School, Dholpur ; High School, Kana ; High School, Laxmangarh ; Bhinuraj High School, Barrod ; S.M.D. Girls' High School, Alwar ; S.B.K. Girls' High School, Bharatpur.

Bikaner :

Government High Schools : Sadul High School, Bikaner ; City High School, Bikaner ; Fort High School, Bikaner ; Mohta Mool Chand High School, Bikaner ; S. B. Chopra High School, Gangashahr ; Shri Karni High School, Deshnoke ; Govt. High School, Dungargarh ; Bagda High School, Churi ; P.C.B. High School, Sujangarh ; S.D.C. High School, Bikaner ; Govt. High School, Rajgarh ; Govt. High School, Taranagar ; Govt. High School, Raisinghnagar ; Govt. High School, Karanpur ; Govt. High School, Bhadra ; Govt. High School, Nohar ; Govt. Girls High School, Ganganagar ; Jawahir High School, Bhinasar.

Private High Schools : Sadul Puskarana High School, Bikaner ; B.K. Vidyalaya High School, Bikaner ; Shri Jain Swetamber High School, Bikaner ; Shri Jain Swetamber High School, Churi ; K.S.K. High School, Batangarh ; Khalsa High School, Ganganagar ; D.A.V. High School, Ganganagar ; Gramothan Vidyalaya, Sangaria ; S.D. High School, Ganganagar.

Udaipur :

Government High Schools : Fateh High School, Udaipur ; Girls' High School, Udaipur ; Lambardar High School, Udaipur ; Kanwarpada High School, Udaipur ; High School, Kapsin,

High School, Kushalgarh; High School, Garhi; High School, Chittorgarh; High School, Jhaspur; High School, Dungarpur; High School, Deygarh; High School, Nathdwara; High School, Nimbahera; High School, Pratapgarh; High School, Banera; High School, Bari Sadri; High School, Bhim; High School, Bhinder; High School, Rajnagar; High School, Shahpura; High School, Salumber; High School, Sagwara.

ADMINISTRATIVE PERSONNEL

Maharajpramukh
The Maharana of Udaipur.

Rajpramukh
The Maharaja of Jaipur.

Uprajpramukh
The Maharao of Kotah.

Rajpramukh's Personal Staff:

Secretary, R. D. Khanna, M.A., R.A.S.

Military Secretary, Major Rawat Singh.

A.D.C.'s, Capt. Moolraj Singh; Capt. Raghubir Singh.

Counsellor, Hari Sharma.

Council of Ministers

Chief Minister in charge of General Supervision and Co-ordination, General Administration, Appointments, Political, Co-ordination, Home (except Transport), Judicial Department, Legal Remembrancer's Office and Law Department and Legislative Assembly and Elections, Jai Narain Vyasa.

Finance, Public Works, Irrigation, Community Projects, Law, Judicial, Tikaram Pallwal.

Minister for Agriculture, Revenue (except Forests and Co-operation), and Family Relief, Mohanlal Sukhadia.

Minister for Education, Separate Revenue, Bhola Nath.

Minister for Food and Civil Supplies, Scheduled Castes, Scheduled Tribes and Backward Classes, Devasthan, Bhogi Lal Pandya.

Minister for Forests, Co-operation, Refugee Relief and Rehabilitation including Evacuee Property, Amrit Lal Yadav.

Minister for Transport, Labour and Local Self Government (including Urban Development), Ram Karah Joshi.

Minister for Public Health, Medical, Kumbha Ram Arya.

Deputy Minister (Finance Law), Chandan Mal Valdia.

Deputy Minister (Home), Narsinha Kachhwaha.

Secretariat

Chief Secretary, B. G. Rao, I.C.S.

Secretary, Home and Transport, Sanwaldan Ujjwal, I.A.S.

Secretary, Finance, Development and Development Commissioner, G. S. Purohit, R.A.S.

Secretary, Revenue, Gulzari Lal Mathur, R.A.S.

Secretary, Industries and Commerce, Civil Supplies and Labour Depts., G. L. Mehta, I.A.S.

Secretary, Local Self-Government, Medical, S. L. Kakar, I.A.S.

Secretary, Education, Separate Revenue, J. N. Purohit, R.A.S.

Secretary, P.W.D., Irrigation, Relief and Rehabilitation, Kamta Prasad Gupta, R.A.S.

Secretary, Judicial and Legal Remembrancer, P. D. Lalwal.

Secretary, Agriculture, Forests and Co-operatives, R. D. Mathur, I.A.S.

HEADS OF DEPARTMENTS

Acting Director of Education, Gajraj Singh.

Director of Industries and Commerce, Chandradhar Issar, R.A.S.

Director of Agriculture, Samarth Raj.

Director of Local Bodies, Bhawan Singh Ranawat, R.A.S.

Director of Development, G. B. K. Hooja, I.A.S.

Director of Medical and Health Services, Vacant.

Director of Public Relations, Shyam Karan, I.A.S.

Director of Ayurveda, Vaidyraj Nand Kishore.

Director, Backward Classes, J. S. Motha, R.A.S.

Inspector-General of Police, K. D. Billimoria, I.P.

Inspector-General of Prisons, Ram Singh.

Commissioner of Civil Supplies, Ajit Singh, R.A.S.

Chief Engineer, Roads and Buildings, Kishore Lal.

Chief Engineer, Irrigation, Moti Ram.

Chief Electoral Officer and Labour Tribunal, Sardul Singh Mehta, R.J.S.

Chief Conservator of Forests, S. C. Kothari.

Commissioner of Customs and Excise, Gordhan Singh Mehta, R.A.S.

Labour Commissioner, S. N. Shukla, R.A.S.

Jagir Commissioner, L. L. Joshi, R.A.S.

Accountant-General, Kali Charan, I.A. and A.S.

Income-Tax Inspecting Asst. Commissioner, Amar Singh, I.R.S.

Registrar, Co-operatives, R. P. Bhargava, R.A.S.

Advocate-General, K. S. Hajela.

Director of Mines and Geology, M. L. Sethi.

Electrical and Mechanical Engineer, K. C. Satsanghi (off.).

BOARD OF REVENUE

Chairman, Kishan Puri, I.A.S.

Members: Shyam Lal, I.A.S.; Roop Narain, I.A.S.; Keshri Singh Ranawat, R.A.S.; Ramswarup Maheshwari (temp.).

PUBLIC SERVICE COMMISSION

Chairman, Devi Shankar Tiwari, M.A., LL.B.

Members, V. R. Adige, M.A., B. Litt. (Oxon.); M. M. Varma.

Secretary, Shyam Sunder Sharma, M.A., L.T., R.A.S.

High Court

Chief Justice, Mr. Justice Kailash Nath Wanchoo, B.A., I.C.S.

Judge, Jodhpur Bench, Mr. Justice Durga Shankar Dave, B.A., LL.B.

Judge Jodhpur Bench, Mr. Justice Inder Nath Modi, B.A., LL.B.

Judge, Jaipur Bench, Mr. Justice Kanwar Lal Bapna, B.A., LL.B.

Judge, Jaipur Bench, Mr. Justice Jawan Singh Ranawat, M.A., LL.B.

Judge, Jaipur Bench, Mr. Justice Kumar Krishna Sharma, B.A., LL.B.

Registrar, Mohan Lal Razdan, M.A., LL.B.

Dy. Registrar, Trilokinath Sharma.

Editor, Indian Law Reports, Rajasthan Series, Sumer Chand Bhandari, B.A., LL.B.

MUNICIPAL COUNCIL

Jaipur

President, Roop Narain Mathur, Advocate.

Vice-President, Shrimati Vrinda Devi.

List of Members with the names of the Wards they represent:

Purani Basti, Sarhad and Brahmpuri: Udal Narain Purohit; Gopi Ballabh Purohit; Hari Narain Mainwal; Gurdas Mal; Kalu Ram Pradhan (Nominated by the Govt.); Sitaram Purohit. **Tophkana Desh**: Roop Narain Mathur; Dr. Tara Shanker; Chhotey Lal; Keshar Lal Bakshi; Hakim Mohmed Ibrahim Khan; Hari Shanker Sidhant Shastri (Nominated by the Govt.). **Modi Khana**: Kewal Chand; Bhanwar Lal; Raju Lal; Shrimati Sharda Devi Bhargava (Nominated by the Govt.). **Visheshwarji**: Ramchandra Johri; Vaidya Mukand Deoji; Bhagwan Sahai Tambl. **Ghat Darwaza**: Shyam Behari Lal Saxena; Harish Chander; Sardar Mal; Seth Bhanwar Lal; Bhura Mal Bazar. **Tophkana Hazuri**: Gauri Lal Jain; Gulab Chand Fatehpuria; Abdul Razzak Saudagar; Shah Alimuddin. **Ramchandari**: Abdul Samad; Abdul Razzak Cinema Wala; Vishambhar Prasad Saxena; Madan Lal Mathur. **Gangapole**: Govind Shahi; Avodh Behari Lal Bhanji; Agah Hussain. **Havali Shahr Garbi**: Shanti Lal Johri; Shrimati Vrinda Devi; Hans D. Ray; Bhanwar Lal Samodia; Bhoju Mal. **Havali Shahr Janubi**: Ram Swaroop; Kanhiya Lal; Ram Prakash Vaidya; V. N. Kok (Nominated by the Govt.).

OFFICERS

Municipal Commissioner, Mahesh Chandra Joshi.

Health Officer, Dr. Bal Mukand.

Municipal Engineer, D. K. Kripalani.

Public Relations Officer, Madan Mohan Sharma.

Assessment Officer, R. C. Mathur.

Revenue Officer, Zulfiqar Ali.

UNIVERSITY OF RAJPUTANA

Jaipur

Chancellor

Lt.-General His Highness Raj Rajendra Shri Maharajadhiraj Sawai Sir Man Singhji Bahadur, G.C.S.I., G.C.I.E., Maharaja of Jaipur and Raj Pramukh of Rajasthan.

Vice-Chancellor

G. C. Chatterjee, M.A. (Pun.), B.A. (Cantab.).

Registrar, M. N. Tolani, M.A. (Cantab.).

DEANS OF FACULTIES

Arts, Dr. P. T. Raju, M.A., Ph.D., University Professor of Philosophy, Jaswant College, Jodhpur.

Science, Dr. S. D. Arora, M.Sc., Ph.D., Principal, Jaswant College, Jodhpur.

Commerce, Shanker Sahai Saxena, M.A., M.Com., Principal, Maharana Bhupal College, Udaipur.

Law, K. S. Hajela, M.A., M.Sc., LL.M., Hony. University Professor of Law, Jaipur.

Engineering, V. Lakshminarayana, B.E., A.M.I.E., Principal, Birla Engineering College, Pilani.

Medicine and Pharmaceutics, Dr. S. K. Menon, F.R.C.S. (England), Principal, Sawai Man Singh Medical College, Jaipur.

Education, Dr. K. L. Shirmali, M.A., Ph.D., B.T., Principal, Vidya Bhawan Gobind Ram Sekaria Teachers' Training College, Udaipur.

Heads of University Teaching Departments:

Professor of Economics, M. V. Mathur, M.A., B.Com., M.P.A. (Harvard), University Professor of Economics, Jaipur.

Professor of Philosophy, Dr. P. T. Raju, M.A., Ph.D., University Professor of Philosophy, Jaswant College, Jodhpur.

Reader and Head of the University Deptt. of Geology, Dr. K. P. Rode, M.Sc., Ph.D. (Zurich), University Reader in Geology, Udaipur.

LIST OF AFFILIATED COLLEGES

Maharaja's College, Jaipur.

Maharaul's College, Jaipur.

Birla College of Arts, Pilani.

Birla College of Science and Commerce, Pilani.

Seth G. B. Podar College, Nawalgarh.

Jaswant College, Jodhpur.

Dungar College, Bikaner.

Lohia College, Churu (Bikaner Division).

Maharana Bhupal College, Udaipur.

Herbert College, Kotah.

Raj Rishi College, Alwar.

M. S. J. College, Bharatpur.

S. K. N. Agricultural Institute, Jobner (Jaipur Division).

Shri Maharaj Kumar College, Jodhpur.

Teachers' Training College, Bikaner.

Vidya Bhawan Govindram Sekaria Teachers' Training College, Udaipur.

Law College, Jaipur.

Sawai Mansingh Medical College, Jaipur.

Birla Engineering College, Pilani.

Mugnee Ram Bangur Memorial Engineering College, Jodhpur.

Shree Swaroop Govind Pareek Vidyalaya, Jaipur.

Seth G. R. Chamarla Intermediate College, Fatehpur (Jaipur Division).

Sri Kalyan Intermediate College, Sikar.

Chirawa Intermediate College, Chirawa.

Seth Moti Lal Intermediate College, Jhunjhunu (Jaipur Division).

Sharda Sadan Intermediate College, Mukandgarh (Jaipur Division).

Government Intermediate College, Dausa.

Darbar Intermediate College, Sambhar Lake.

Darbar Intermediate College, Kishangarh.

B. J. S. B. Jain Intermediate College, Bikaner.

Government Intermediate College, Sri Gangaganagar (Bikaner Division).

Maharani Sudershan Intermediate College for Women, Bikaner.

Shri Rajendra Intermediate College, Brijnagar (Jhalawar).

Hadendra Intermediate College, Bundi.
Rajmahal Girls' Intermediate College, Jodhpur.
S. P. U. Intermediate College, Palna (Jodhpur Division).
Shri Maharani's Girls' Intermediate College, Kotah.

Rajasthan Mahila Vidyalaya, Udaipur.
Maharana Intermediate College, Bhilwara.
Government Intermediate College, Banswara.
Ganga Golden Jubilee Inter College, Sardarshar (Bikaner Division).

Sirohi Intermediate College, Sirohi.
Darbar Intermediate College, Tonk.
Shri Bangur Intermediate College, Didwana (Jodhpur).

COMMERCIAL AND RELIGIOUS SOCIETIES AND HOSPITALS

GANGA GOLDEN JUBILEE TUBERCULOSIS HOSPITAL

Bikaner, Rajasthan

Nature of Body : Hospital : There are 92 beds for cases of Lung Tuberculosis.

Medical Officer in-Charge, Dr. Hans Kumar, M.B.B.S., D.T.D.

RAJASTHAN CHAMBER OF COMMERCE AND INDUSTRY

Bhagt Bhawan, Mirza Ismail Road, Jaipur.

Objects : To encourage friendly feelings, co-operation and unanimity among business and industrial community ; to promote and protect the trade, commerce, industry and manufacture of Rajasthan or any part thereof ; to collect and disseminate statistical and other information securing the promotion of the objects of the Chamber and to make efforts for the spread of commercial, industrial and economic knowledge ; to take all steps necessary for supporting or opposing legislature or other action affecting the aforesaid interest by Government or the local body or bodies.

UDAIPUR CHAMBER OF COMMERCE, Udaipur.

SHREE VYAPARIC CHAMBER SARAFAN, Gulabpura.

RAJASTHAN INDUSTRIAL AND MINING ASSOCIATION, Bhilwara.

RAJASTHAN CHAMBER OF COMMERCE AND INDUSTRY, Jaipur.

JAIPUR CHAMBER OF COMMERCE, Jaipur.
CLOTH MERCHANTS' ASSOCIATION, Johri Bazar, Jaipur.

GENERAL MERCHANTS' ASSOCIATION, Johri Bazar, Jaipur.

JEWELLERS' ASSOCIATION, Johri Bazar, Jaipur.

BULLION EXCHANGE ASSOCIATION, Johri Bazar, Jaipur.

IMITATION MERCHANTS' ASSOCIATION, Johri Bazar, Jaipur.

TRADERS' ASSOCIATION LIMITED, Johri Bazar, Jaipur.

GOLD AND SILVER MERCHANTS' ASSOCIATION, Johri Bazar, Jaipur.

GROCERS' ASSOCIATION, Johri Bazar, Jaipur.

PAPER MERCHANTS' ASSOCIATION, Tripolia Bazar, Jaipur.

PRESS OWNERS' ASSOCIATION, Tripolia Bazar, Jaipur.

KIRANA MERCHANTS' ASSOCIATION, Tripolia Bazar, Jaipur.

COLOUR COMMITTEE, Tripolia Bazar, Jaipur.

IRON AND STEEL MERCHANTS' ASSOCIATION, Tripolia Bazar, Jaipur.

SARAF PUNCHAYAT, Ramganj Bazar, Jaipur.

CHAMBER OF COMMERCE, Kishangarh.

LUHAR ASSOCIATION, Ramganj Bazar, Jaipur.

KISHANGARH MERCHANTS' ASSOCIATION, Kishangarh.

SALT BROKERS' ASSOCIATION, Sambhar Lake.

SALT MERCHANTS' ASSOCIATION, Sambhar Lake.

MADANGUNJ VYAPAR SANGH, Madangunj (Kishangarh).

GANGAPUR MERCHANTS' ASSOCIATION, Gangapur.

VYAPARIC CHAMBER SARAFAN, Tonk.

SEKHAWATI VYAPUR SANGH, Jhunjhunu.

SHREE VYAPARIC PUNCHAYAT, Nawalgarh.

FATEHPUR MERCHANTS' ASSOCIATION, Fatehpur.

CHAMBER OF COMMERCE, Alwar.

VASTRA VYAPAR SANGH, Alwar.

COMMERCIAL SYNDICATE, Modi Building, Kedai Gunj, Alwar.

SALT SYNDICATE, Modi Building, Kedai Gunj, Alwar.

KEDAL GUNJ ASSOCIATION, Kedai Gunj, Alwar.

VASTRA VYAVASAI SANGH, Bazara Bazar, Alwar.

IRON SYNDICATE, C/o Lala Narain Das, Lal Gate, Alwar.

CHAMBER OF COMMERCE LTD, Bharatpur.

CHAMBER OF COMMERCE, Bharatpur.

BIKANER CHAMBER OF COMMERCE, Bikaner.

BIKANER VYAPAR MANDAL, Bikaner.

SHREE KARANPUR MERCHANTS' COMMITTEE, Karanpur.

MERCHANTS' COMMITTEE, Keshri Singhpur.

VYAPAR MANDAL, Raisinghnagar.

PURSHARTHI CLOTH COMMITTEE, Karanpur.

EASTERN RAJASTHAN CHAMBER OF COMMERCE AND INDUSTRY, Kotah.

GRAIN AND SEED MERCHANTS' ASSOCIATION, Baran.

CHAMBER OF COMMERCE, Kotah.

CHAMBER OF COMMERCE, Bundi.

JODHPUR BULLION MERCHANTS' ASSOCIATION, Jodhpur.

GENERAL MERCHANTS' ASSOCIATION, C/o Bhoot Bros, Station Road, Jodhpur.

MARWAR CHAMBER OF COMMERCE, Jodhpur.

THE NAGOUR MERCHANTS' ASSOCIATION LIMITED, Modian ki Galli, Nagaur.

THE MERCHANTS' ASSOCIATION, Balotra.

ST. TERESA'S CHURCH

Jodhpur, Rajasthan.

Nature of Body : Religious.

Catholic Chaplain, Rev. Father T. Coutts.

CENSUS

Jaipur : 1,656,097 ; Tonk : 400,947 ; Sawal
Madhopur : 765,172 ; Bharatpur : 907,399 ;
Alwar : 861,993 ; Jhunjhunu : 588,621 ;
Sikar : 677,782 ; Bikaner : 330,329 ; Churu :

523,276 ; Gangaganagar : 680,130 ; Jodhpur :
691,786 ; Barmer : 441,368 ; Jalore :
459,467 ; Pall : 600,856 ; Nagore : 763,829 ;
Jaisalmer : 102,743 ; Sirohi : 237,362 ; Udaipur :

1,191,232 ; Dungarpur : 308,243 ; Banswara :
356,559 ; Chittorgarh : 587,724 ; Bhilwara :
727,356 ; Kotah : 766,198 ; Bundi : 280,518 ;
Jhalawar : 373,810.

COMMERCIAL FIRMS

Alfoo Mia Kadarbux, Katha Bazar.
 Allied Corporation Ltd., Jodhpur.
 Amar Automobiles, Jalorigate, Jodhpur.
 Anand Theatres Ltd., Jodhpur.
 Arora Bros., Station Road, Jodhpur.
 Asari Brothers, Furniture and Upholstery
 Station Road, Jodhpur.
 Ashok Thread Mills, Office and Showroom,
 Madhav Gate, Ajmer.
 Associated Films Distributors, Station Road,
 Jodhpur.
AUTOMOBILE WORKS, Railway Road,
 Jodhpur; Specialists in Reconditioning of
 Auto Oil Engines; Dealers in Auto Part
 Accessories, etc. Grams: "AUTO-
 MOBILE."
 Azad Hind Trading Co., Eriapura Road,
 Marwar (Rajasthan). Leather, Hides and
 Wool Merchants.
 Bankidas Moolraj, Burmah-Shell Agents,
 Jalorigate, Jodhpur.
 Bansilal Chowthmal, Brassware Merchants,
 Katla Bazar, Jodhpur.
 Bhandari Brothers, Chemists and Druggists,
 Jodhpur.
 Bhargava & Company, Opp. Prem Prakash
 Talkies, Sawai Mansingh Highway, Jaipur
 (Rajasthan).
 Bhargava Industries Ltd., Bhargava House,
 Banj Imli, Ajmer.
 Bhatia Bros., Jalori Gate, Jodhpur
 (Rajasthan).
 Bhoot Brothers, Station Road, Jodhpur.
 Bhoot Oil Mills, Industrial Area, Jodhpur.
 Bigli, Minerva Building, Station Road,
 Jodhpur.
 Bombay Watch Co., Inside Sojatigate,
 Jodhpur (Rajasthan).
 Caltex Motors, Kachery Road.
 Chandra Industrial and Commercial Corpora-
 tion, Jodhpur.
 Chandra Industrial and Commercial Corpo-
 ration, Kutcheri Road, Jodhpur.
 Chellsons Ltd., Jodhpur.
 Chitra Cinema, Mehta Market, Jodhpur.
 Chopani Ice Aerated Water & Oil Mills
 Ltd., Jodhpur.
 Delhi Furniture House, Station Road,
 Jodhpur.

**DELHI MISHTHAN
 BHANDAR**

Chaura Rasta,
 Jaipur (Rajasthan).
 For High Class Sweets and
 Namkins, etc.

Dhamraj Madanlal Khatri, Direct Importers,
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 D. P. Bhargava, B.Sc., LL.B., Adver-
 tisement Bookings, *The Times of India*,
 opp. Railway Station, Jodhpur.
 D. R. Sharma & Sons, Sojatigate, Jodhpur.
 Durgasingh & Sons, Gramophone Dealers,
 Sojatigate, Jodhpur.
 Durgasingh & Sons, Jodhpur.

East India Mineral Development Syndicate,
 Ltd., Jaipur.
 Eastern Motor Company, Station Road,
 Jodhpur.
 Electric Radio Corporation, Station Road,
 Jodhpur.
 Electric Services, Jodhpur.
 English Watch Company, Jalorigate,
 Jodhpur.
 Fakirchand Narmal, Dhan Mandi.
 Ferozpur Boot House, Station Road,
 Jodhpur.
 General Hotel, Jodhpur.
 Girhari Oil Mills Co., Ltd., Sumerpur.
 Gopal Watch Co., Sojatigate, Jodhpur.
 Gotan Lime Syndicate, Gotan.
 Gotan Lime Syndicate, Gotan J. Railway.
 General Marketing Co., The, Jodhpur,
 (Rajasthan).

**FURNISHERS & DECORATORS
 GENERAL MARKETING CO.,**

Ajmer Road,
 Jaipur.

Stockists of:
 Mattresses, Masonite, Plywood,
 Furnishing Household Linen.

Grand Hotel, Railway Road, Jodhpur
 (Rajasthan).
GULABCHAND NAWALMAL, Cloth
 Merchant & Commission Agent, Pall,
 (Marwar). Phone: 2.
 Har Narayan & Sons, Sardarpura, Jodhpur.
 Hari Narain Kacholia & Co., Mirza Ismail
 Road, Jaipur.
 Hindustan Engineering Works, Jalorigate,
 Jodhpur.
 Hindustan Iron Factory, Office & Showroom,
 Nala Bazar, Ajmer.
 Hotel De Hollywood, Station Road, Jodhpur.
 India Agencies, Sojatigate, Jodhpur.
 Indian Industrial Command, Kachery
 Road, Jodhpur.
 Indian Industries Palace, Ajmer Road,
 Jaipur City.
 Indra & Company, General Merchants,
 Station Road, Jodhpur.
 Industrial Command of India Ltd., Kachery
 Road, Jodhpur.
 Jain Brothers, Station Road, Jodhpur.
 Jaipur Art Studio, Kachery Road, Jodhpur.
 Jaipur Mineral Development Syndicate Ltd.,
 Jaipur.
 Jaipur Paper Mart, Tripolia Bazar, Jaipur
 City.
 J.M.D.S. Cosmetics Ltd., Jaipur City.
 J. Santosh & Company, Sojatigate, Jodhpur.
 Jangad Brothers, outside Sojatigate,
 Jodhpur.
 Jaykay Company, Jodhpur.
 Jay Kay & Company, Jodhpur (Rajasthan).
 Jodhpur Cloth Merchants' Association,
 Jodhpur.
 Jodhpur Dayal Bagh Stores, Jodhpur.
 Jodhpur Hosiery Mills, Sardarpura.
 Jodhpur Wine Stores, Outside Jalorigate,
 Jodhpur (Rajasthan).
 Jodhpur Zinc Metal Works, Jodhpur.

Jogindersoneo Cycle Merchants, Station
 Road, Jodhpur.
 Kaluram Shyamdas, Radio Engineers and
 Electric Contractors, opp. Ratanada
 Bridge, Jodhpur.
 Kamla Optical Company, Station Road,
 Jodhpur.
 Kangan Stores, Jodhpur.
 Karachi Cloth Stores, outside Sojatigate,
 Jodhpur.
 Khadi & Cottage Industries Ltd., Jodhpur.
 Khairatllal & Sons, Electric Dealers, Station
 Road, Jodhpur.
 Khatri Bhikamchand, Katla Bazar, Jodhpur.
 K. H. Thanvi & Company, Photographers,
 Jalorigate, Jodhpur.
 Kitabghar, P. B. 21, outside Sojatigate,
 Jodhpur.
 K. L. Soul & Company, opposite Ratanada
 Bridge, Jodhpur.
 Kuchaman Electric Co., Ltd., Jodhpur.
 Kuchaman Merchants' Association, Kucha-
 man City.
 Kumbat Binding Works, Jodhpur.
 Lachoo Tailors, Sojatigate, Jodhpur.
 Lekar Weekly (Hindi), Tripolia, Jodhpur
 (Rajasthan).
 Lal Brothers, Station Road, Jodhpur.
 Laxmi Motor Co., Sojatigate, Jodhpur.
 Laxmi Pen Company, Jodhpur.
 Lukar & Company, Lakhara-ka-bas,
 Jodhpur.
 Madan Gopal Zaveri & Co., Tripolia Bazar,
 Jaipur City.
 Maharaja Shri Umald Mills Ltd., Pall.
 Mahavir Oil & Dal Mills Co., Ltd., Sojat
 Road.
 Manmohan Opticals, Sojatigate, Jodhpur.
 Marudhar Industries Ltd., Jodhpur.
 Marudhar Stores and Bakeries, Station
 Road, Jodhpur.
 Marwar Cement Company, Station Road,
 Jodhpur.
 Marwar Cold Storage Company, Ratanada
 Bridge, Jodhpur.
 Marwar Industries, Kuchaman House,
 Jodhpur.
 Marwar Industries Ltd., Jodhpur.
 Marwar Kala Mandir Ltd., Jodhpur.
 Marwar Mercantile Co., Ltd., Kuchaman.
 Marwar Oil Mills, Jodhpur.
 Minerva Hotel, Station Road, Jodhpur.
 Mittal Sports, Ajmer Road, Jaipur.
 M. M. Kumbhat, Chopani Road, Jodhpur.
 Modern Hair Dressers, Station Road,
 Jodhpur.
 Mohan Brothers, Jalorigate, Jodhpur.
 Mohan Furniture House, Station Road,
 Jodhpur.
 Moolchand Sujan Mal, Kapra Bazar.
 Moti Ram Aurvedy Chary Shasthari,
 Krishna Medical Stores, Jodhpur
 (Rajasthan).
 M. S. Cycle Stores, Inside Sojatigate,
 Jodhpur.
 M. S. Mehta & Company, opposite Dak
 Bungalow, Jodhpur.
 Nagaur Electricity Co., Ltd., Jodhpur.
 Narasinghmal Mehta & Co., Sojatigate,
 Jodhpur (Rajasthan).
 National Motors, Mirza Ismail Road,
 Jodhpur.

National Tractors, Chopasni Road, Jodhpur.
National Weaving Industries, Nagori Gate, Jodhpur.

Northern India Machinery Corporation, Ras House, Jodhpur.

O. P. Sanghi & Company, Jodhpur.

Oriental Government Jewan Insurance Co., Ltd., Jodhpur.

Pall Electricity Co., Ltd., Jodhpur.

Pannalal Manchhalal Khatri (Snuffwala,) Perfumers and Snuff Manufacturers, General Merchants and Commission Agents, Tamakhu Bazar, Jodhpur (Rajasthan).

Paradise Corporation, Station Road, Jodhpur.

Parikh Company, Station Road, Jodhpur.

Phulodi Electricity Co., Ltd., Jodhpur.
P. M. Allah Baksh & Son, Mirza Ismail Road, Jaipur (Rajasthan).

P. N. Kapoor & Co., Station Road, Ajmer.
Porwal Brothers, Station Road, Jodhpur.

Praja-Sevak Weekly, inside Sojatigate, Jodhpur (Rajasthan).

PRAKASH OPTICAL & GENERAL MART, Minerva Talkies Building, Shop No. 9, Jodhpur.

Prem's Universal Store, Kachery Road, Jodhpur.

Puri Brothers, Station Road, Jodhpur.
Pusaram Bhikaram, Katla Bazar, Jodhpur.

Pustak Bhandar, Chopani Road, Jodhpur.
Rai Bahadur Moolchand Nemichand, Station Road.

Raj Mahal Estate, Jaipur City.

Rajasthan Metal & Rolling Mills, Ltd., Ratnada.

RAJASTHAN OIL MILLS ASSOCIATION, Lake House, Udaipur (Rajasthan), Representing Oil Mill Owners' Interest in the State of Rajasthan; *Chairman*: Madan Gopal Kabra; *Vice-Chairman*: Madhu Shudan Kausik; *Hon. Secretary*: Rajyapriya Shri P. P. Singhal. All communications to be addressed to the Hon. Secretary. Grams: "OIL MILLS."

Rajasthan Printing and Dyeing Mills, Nagaurigate, Jodhpur.

Rajasthan Traders, Sardarpura Road, Jodhpur.

Rajasthan Trading Corporation, Station Road, Jodhpur.

Rajputana Stationery Mart, Jodhpur.

Rajputana Stationery Mart, Sojatigate, Jodhpur.

Rajputana Trading Co., Ltd., Jodhpur.

Rama Medical Corporation, Sardarpura, Jodhpur.

Ramesh Films Motion Picture Distributors, Olympic Cinema Building, Jodhpur (Rajasthan).

Rameshwarlal Industries Corporation Ltd., Parbatsar.

Ramlal Kachawah & Sons, Station Road, Jodhpur.

Ramlaxman Stores, Kachery Road, Jodhpur.

Rashtriya Khadi Bhandar, Sojatigate, Jodhpur.

Rajputana Metal Works, 1/B Road, Sardarpura, Jodhpur.

Ratan Trading Company, Katla Bazar, Jodhpur.

Rathi Book Stall, Sojatigate, Jodhpur.

R. B. Moolchand Nemichand, Station Road, Jodhpur.

R. B. Moondhra & Company, Kachery Road, Jodhpur.

Regal Sports, Railway Road, Jodhpur.

R. P. Agdayemawer & Sons (Regd.), Moti Doongri Road, Jaipur (Rajasthan), India

R. S. Seth Moolchand Nemichand, Jodhpur.

Sada Sukh Kabra, Khejarla House.

Sainik Motors, Kachery Road, Jodhpur

Sajjan Stores, Jalorigate, Jodhpur.

Sanghi Brothers, Jodhpur.

SEJRAM BACHHRAJ, Wholesale Cloth Merchant and Commission Agent, Deals in multifarious Business like Cotton, Cloth, Grain and Oilseeds. Balotra. Phone: 8. Grams "LAXMI".

Shankarilal & Sons, Watch Merchants, Station Road, Jodhpur.

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RAILWAY STATION JODHPUR

Phone : 536

Sharma Brothers, News Paper Agents, Baiji Talab, Jodhpur.

Shivratan G. Mohatta, Station Road, Jodhpur.

Shree Krishna Industries, Ltd., Jodhpur.

Shri Aron Marble Ltd., Jodhpur.

Shri Mahalaxmi Colour Mfg. Co., Ltd., Erlipura.

Shri Marwar Printers Ltd, Jodhpur.

Shri Rangrajchand Bhandari, Moti Chowk.

Shri Rangroopmal Lodha, Lakha Bazar.

Shri Shirdadevi Moondhra Motor Company, Station Road, Jodhpur.

S. Rajnall Goleha, Johri Bazar, Jaipur.

Sreeram Hajarimal Rangwala, Jodhpur.

Suraj Mal & Sons, Minerva Cinema, Jodhpur (Rajasthan).

Surana & Co., Direct Importers of Watches, Sojatigate, Jodhpur.

S. Zoraster & Co. (Agencies) Ltd., Johri Bazar, Jaipur City.

Life is a Bubble, Snap it before it Vanishes for perfect gift for family and loved ones Remember.

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Jaipur Jodhpur

Official Photographers to H. H. the Rajpramukh of Rajasthan and H. H. Jodhpur.

Society Photographers and Photo-Goods Dealers.

Thakar Das Khatri & Sons, Tripolia Bazar, Jaipur (Rajasthan).

UDAIPUR DISTILLERY COMPANY LIMITED, Udaipur (Rajasthan), Manufacturers of Brown's Gold Crown XXX Rum, Suppliers to Defence Services, Government of India.

Udaipur Mineral Development Syndicate, Ltd., Bhilwara (Mewar State).

Uma Medical Stores, Khandaphalsa Road, Jodhpur.

United Motors, Sojatigate, Jodhpur.

Vijay. Laxmi Co., Ltd., Jodhpur.

Vyas. P. B., & Co., Jalorigate, Jodhpur.

CLASSIFIED LIST OF RAJASTHAN

AGRICULTURAL IMPLEMENTS

Hari Narain Kacholla & Co., Mirza Ismail Road, Jaipur.

M. KUMBHAT & SONS, H.O. : Jodhpur. Branch : Jaipur. Sole Distributors in Rajasthan for Turner Diesel Tractors and Implements.

NATIONAL TRACTORS

JODHPUR

Gram: "FARMER"

Phone: 206

for
**ALL AGRICULTURAL
IMPLEMENTS**

Sole Agents in India for :

THE TALBOT PLOUGH CO., ENGLAND
(Ploughs and Disc Harrows)

NICHOLSON & SONS LTD., ENGLAND
(Cultivators)

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"HORSTMANN" CULTARROWS
(Cultivator-cum-Harrows)
For Fordson Tractors.

NATIONAL MOTORS, Mirza Ismail Road, Jaipur. Dealers for Ferguson Tractors and Implements. Branches at Kotah and Bharatpur.

Rajasthan Arhat Factory, Head Office : Ghasmandi. Factories : Kanwraji's House, Jodhpur.

Grams : "Sanghi"

Phone : 123

WESTERN INDIAN STATES MOTORS H. O. Jaipur (Rajasthan)

Stockists and distributors of everything connected with mechanical farming and irrigation, modern farming.

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Plough, Harrows, cultivators and Letourneau
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O. P. SANGHI & CO.

Govt. approved firm
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Grams : "OPEE"

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AIR SERVICES

Indian National Airways, Sardarpura, Jodhpur.

O. P. Sanghi & Company, Jodhpur.

AUTOMOBILE DEALERS

Amar Automobiles, Jalorigate, Jodhpur.

Automobile Works, Railway Road, Jodhpur.

Laxmi Motor Company, Kutchery Road, Jodhpur.

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R. B. SETH MOOLCHAND NEMICHAND
JODHPUR (RAJASTHAN)

Sole Distributors in Rajasthan : HUDSON CARS, RENAULT CARS, RENAULT TRACTORS, INTERNATIONAL TRUCKS & BUSES AND HART & LION BATTERIES

Rajasthan, Madhya Pradesh, Vindhya Pradesh, and Bhopal Distributors for Smith Stanistreet & Co., Ltd., of Calcutta for all their Medicines, Spirituous preparations, tinctures and toilet products.

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Stockists of best quality jeeps and all sorts of Motor parts, accessories, Tyres and Tubes.

Running a modern Automobile workshop

Running a fleet of buses on important routes like Pali, Sojat, Sendra.

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NATWAR AUTOMOBILES and ALLIED INDUSTRIES LTD., JODHPUR

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- ★ Massey Harris Tractors
- ★ Mercedez Cars
- ★ Lucas & C.A.V. Goods
- ★ Oil Engines

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R. B. Moolchand Nemichand, Station Road, Jodhpur.

Sainik Motors, outside Sojatigate, Jodhpur.

Grams : "Sainika"

Phone : 473

SAINIKS MOTORS SOJATIGATE, JODHPUR (Rajasthan)

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Burmah-Shell Petrol, Oils, etc.
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Telephone : 531

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Dealers for
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and
IMPLEMENTS
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RAJASTHAN

Unbeaten for
LOW COST TRANSPORTATION

INDIA'S

1st choice

CHEVROLET TRUCKS

Built to:
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Residence : 423 A. Central.
BHATIA BROS.
Jalori Gate,
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Automobile Engineers & Contractors ;
Dealers in all parts of Motor Spares.

AUTOMOBILE PARTS & ACCESSORIES

Bhatia Brothers, Jalori Gate, Jodhpur
The Eastern Motor Company, Station Road, Jodhpur

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MARUDHAR STORES, Railway Road, Jodhpur (Rajasthan).
High Class Bakers, Confectioners, Caterers, Hosiery and
General Merchants. Phone : 376 C. (Estd. 1910).

BANGLES

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Nearly 3/4 Century in Service.
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KACHHWANA BROTHERS, Sojati Gate, Jodhpur. Main
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BOOKSELLERS, PUBLISHERS & STATIONERS

Bhargava Brothers, Baijika Talab, Jodhpur.
Empire Store, Mirza Ismail Road, Jaipur.

D. R. SHARMA & SONS, Sojati Gate, Jodhpur (Rajasthan).
Publishers, Book Sellers and Stationers ; Direct Importers
and Wholesale General Merchants. Phones : Central 336.
Grams : "SHARMA—Book-Seller."

Rashtriya Pustak Bhandar, Chopasni Road, Jodhpur.

BOOT & SHOE MAKERS & DEALERS

Ferozepur Boot House, Civil and Military Contractors, Station Road,
Jodhpur (Rajasthan)

BRASSWARE

P. M. ALLAH BUKSH & SON, Indian & Oriental Rare Curiosities
House, Wholesale & Retail Merchants in Jaipur Brass,
Ivory, Jewellery and other Modern & Old Artistic Wares,
Arms & Fabrics ; Mirza Ismail Road, Jaipur (Rajasthan).

BUILDING MATERIALS

A. Lalchand, inside Sojati Gate, Jodhpur.
General Marketing Co., Ajmer Road, Jaipur.
Indra & Company, Station Road, Jodhpur.
Madan Gopal Zaveri & Co., Tripolia Bazar, Jaipur City
M. Kumbhat & Sons, H. O. Jodhpur

Telegram : "Marceco" Phone : Central 256

MARWAR CEMENT CO.

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A house of quality for building materials, sanitary-
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CATERERS, PURVEYORS & BAZAR SUPPLIERS

DELHI MISHTEHAN BHANDAR, Sawal Mansingh Highway.
Opp. Prem Prakash, Jaipur. Caterers and Confectioners,
Marudhar Stores, Railway Road, Branch : Kutchery Road, Jodhpur.

CENTRIFUGAL PUMPS

J. Santosh & Sons, Jodhpur.
M. Kumbhat & Sons, H. O. Jodhpur.

CHEMISTS & DRUGGISTS

BHANDARI BROTHERS, Opp. Mahatma Gandhi Hospital, Jodhpur (Rajasthan), (Estd. : 1929). Phone : 333 Central.
Bombay Medical Stores, Station Road, Jodhpur.
Chaturbhuj & Co., Katla Bazar, Jodhpur.
Jain Brothers, Station Road, Jodhpur.
Rajputana Medical Stores, Sojatigate, Jodhpur.
Sohan Medical Stores, Sojatigate, Jodhpur.
Uma Medical Stores, Khandaphalsa Road, Jodhpur.
VIJAYA MEDICAL STORES, Jodhpur (Rajasthan).

CINEMA EQUIPMENT & FURNITURE

ASERI BROTHERS, Opp. Railway Station, Jodhpur. Specialists in Cinema Furniture.

CINEMAS & THEATRES

Anand Cinema, Jodhpur.
Charbhuj Talkies, Jodhpur.
Chetak Cinema, Udaipur.
Chitra Cinema, Jodhpur.
Krishna Cinema, Jodhpur.
Man Prakash Cinema, Jaipur.

Tel.: " MINERVA "

Phone : 144

MINERVA CINEMA

STATION ROAD - JODHPUR (Rajasthan)

*Air Conditioned
Refreshing & Comfortable
Centrally Situated*

HOUSE OF HIGH CLASS ENTERTAINMENT
The pride of C. P. C. I. & Rajasthan

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CLOTH MERCHANTS

Phone : Residence Grams : " FASHION "
Trunk : 95

INDIA-AGENCIES

Agents :
The Raymond Woollen Mills Ltd., Bombay,
Riyan House, Sojati Gate,
Jodhpur (Rajasthan)
Woollen, Cotton, Silk, Sarees & Knitting Wool.

Rochaldas Gidoomal & Co., Mehta Market, Jodhpur.
Shreeram Hajarimal Rangwala, H. O : Balotra ; Branch : Pali and Jodhpur.
SURAJ MAL P SONS, Minerva Cinema Jodhpur (Rajasthan) ;
Silk, Cotton and Woollen Merchants.

COAL MERCHANTS

Indian Industrial Command, Kutchery Road, Jodhpur.

CONFECTIONERS

Delhi Mishthan Bhandar, Chaura Basta, Jaipur.

COTTON MILLS

Champalal Ramsarup, Beawar.
Edwards Mills Ltd., Beawar.
Haroti Cotton Press Ltd., Beawar.
Krishna Mills Ltd., Beawar.
Mahalaxmi Mills Co., Ltd., Beawar.
Maharaj Kishangarh Mills, Kishangarh (Rajasthan).
Maharaja United Mills Ltd., Pali (Marwar).
Mewar Textile Mills Ltd., The, Bhilwara, Mewar State.

CURIOS & ANTIQUITIES

R. B. MOONDERA & COMPANY, Moondhra Palace, Jodhpur,
Enquiries promptly responded.

CYCLES, MOTOR & MOTOR CYCLES

Bhargava Industries Ltd., Bhargava House, Banj Imli, Ajmer.
J. Santosh & Sons, Jodhpur.

DIESEL ENGINES

Bhargava Industries Ltd., Bhargava House, Banj Imli, Ajmer.
Hari Narain Kacholia & Co., Mirza Ismail Road, Jaipur.
M. KUMBHAT & SONS, H.O. Jodhpur ; Branch : Jaipur, Sole Distributors in Rajasthan for Turner Diesel Engines.

DYES & CHEMICALS

SHREERAM HAJARIMAL RANGWALA, Jodhpur, H.O. Balotra ;
Grams : " RANGWALA ".

ELECTRICAL GOODS & APPLIANCES

Bhargava Industries Ltd., Bhargava House, Banj Imli, Ajmer.
Bijli, Minerva Building, Station Road, Jodhpur.
General Marketing Co., Ajmer Road, Jaipur.
Hari Narain Kacholia & Co., Mirza Ismail Road, Jaipur.

Grams : Phone : Central : 221
" INTRICOM " (Jodhpur)
Delhi : 41/1039

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Fans and Rawl Plug Products of
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M. Kumbhat & Sons, H. O. Jodhpur.
Prem's Universal Store, Katchery Road, Jodhpur.

ENGINEERS & CONTRACTORS

HINDUSTAN ENGINEERING WORKS, Jalorigate, Jodhpur,
Engineers, Founders, Manufacturers and Contractors.

J. SANTOSH & SONS, Jodhpur, Mechanical, Civil, Marine,
Electrical Radio, Cine and Air-Conditioning Engineers and
Contractors. General Merchants and Suppliers of Engi-
neering Products. Motion Picture equipment and Photo-
graphic goods.

The Rajputana Metal Works, 1/B, Road, Sardarpura, Jodhpur.

FILM DISTRIBUTORS

Associated Film Distributors, Station Road, Jodhpur.

CHITRAPRAKASH FILM EXCHANGE, Ajmer Road, Jaipur
City ; Phone : 370, Branch Office : Bhusaval ; Phone : 42.
Grams : " CHITRAFILM."

George Talkie Circuit, Jodhpur.
Jagdamba Film Distributors, Jodhpur.
Kamal Pictures, Jodhpur.
Purnima Film Exchange, Jodhpur.

RAMESH FILMS MOTION PICTURE DISTRIBUTORS,
Olympic Cinema Building, Jalori Gate, Jodhpur (Rajasthan).

Saper Talkie Distributors, Zoraster Building, Jaipur.
Saraswati Film Exchange, Jodhpur.

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Prakash Optical and General Mart, Minerva Talkies Building, Shop No. 9, Jodhpur.

FURNISHERS & DECORATORS

GENERAL MARKETING CO., Ajmer Road, Jaipur; Stockists of Mattresses, Veneers, Masonite, Hardboard, Plywood furnishing Fabrics.

FURNITURE MANUFACTURERS & DEALERS

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GENERAL MERCHANTS & COMMISSION AGENTS

Bankidas Moolraj, Merta City (J. Rly.).
Bhoot Oil Mills, Industrial area, Jodhpur.
D. R. Sharma & Sons, Sojati Gate, Jodhpur.

FATEHRAJ MANAKCHAND MARMAT, Katla Bazar, Jodhpur.

General Marketing Co., Ajmer Road, Jaipur.
H. Alfio Mian Kadar Bux & Bros., Katla Bazar, Jodhpur.
Indra & Company, Station Road, Jodhpur.
J. Santosh & Sons, Jodhpur.
Marudhar Stores, Railway Road, Branch: Laxman Stores, Kutchery Road, Jodhpur.

Mohan Brothers, Merchants, Outside Jalori Gate, Jodhpur (Rajasthan).

PARADISE TRADING CORPORATION, Station Road, Jodhpur.
Ramkaxuan Stores, Kutchery Road, Jodhpur.

Ratan Trading Company, Katla Bazar, Jodhpur.
Shreeram Hajarimal Rangwala, H. O.: Balotra; Branches: Pali and Jodhpur.

GENERAL & PROVISION MERCHANTS

Empire Store, Mirza Ismail Road, Jaipur.

GLASS DEALERS & PICTURE FRAMERS

GENERAL MARKETING CO., THE, Jodhpur, Rajasthan, (Estd.: 1933), Stockists of Paints, Varnishes, Distemper, Glasses of all description, Insolite and hard board, Plywood, etc., Doors & Window Fittings, Stockists of Jansolin, Good-lase and Elephant Oil nuts & frames, etc.

Madan Gopal Zaveri & Co., Tripolia Bazar, Jaipur City.
Pusaram Bhikaram, Ghasmandi, Jodhpur.

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ARORA BROTHERS, House of Crockery, Station Road, Jodhpur; Prop.: Juman Lal Gokul Narain Arora, Suppliers to Government, Railways, Hospitals, Military and I.A.F.; Stockists, Bengal Potteries, Gwallor Potteries and Agents Modi Lantern Works, Soap and Biscuits.

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BEHARAT SEWA ASHRAM, Jodhpur, Manufacturers of High quality Hair Oil and Soaps. Grams: "JAYKAYCO".
RAM SEWASHRAM, Jalori Gate, Jodhpur (Rajasthan). Manufacturers of genuine Medicated and Perfumed Brahmi Amla Hair Oil.

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A. LALCHAND, Dealers in Sanitaryware, Hardware, Mill Gin Stores and Building Materials. Inside Sojati Gate, Jodhpur. Gram: "DECENT".

General Marketing Co., Ajmer Road, Jaipur.

Hari Narain Kacholla & Co., Mirza Ismail Road, Jaipur.

HOSIERY MANUFACTURERS & DEALERS

Empire Store, Mirza Ismail Road, Jaipur.
Marudhar Stores, Railway Road; Branch: Kutchery Road, Jodhpur.

HOTELS AND RESTAURANTS

Anand Cinema Restaurant, Jodhpur.
Apna Ghar Hotel, opp. Prem Prakash Talkies, Jaipur.
Chitra Cinema Hotel, Mohla Market, Jodhpur.
Dak Bungalow, Station Road, Jodhpur.
Delhi Mishthan Bhandar, Chaura Rasta, Jaipur, Rajasthan.
Edward Memorial Hotel, Ajmer Road, Jaipur.

Grams: "COMFORT" Phone: 421 Central
Jodhpur.

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Railway Road,
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A Place of Homely Comforts.

Hind Hotel, Chaura Rasta, Jaipur.
Jagdish Hotel Restaurant, Station Road, Jodhpur.
Kallash Hotel, Johri Bazar, Jaipur.
Lake View Hotel, Udaipur.
Mohammad Hotel, Station Road, Jodhpur.
Olympic Cinema Restaurant, Jodhpur.
Polo Victory Hotel, Station Road, Jaipur.
Shanti Bhawan Lodge—'O' Miles from Railway Station, Jodhpur.

IMITATION IVORY & PLASTIC

H. S. ELAHI BUX & SONS, Bangles Building, Jodhpur.

IMPORTERS AND EXPORTERS

D. R. Sharma & Sons, Sojati Gate, Jodhpur.
H. S. ELAHI BUX & SONS, Bangles Building, Jodhpur.
Madan Gopal Zaveri & Co., Tripolia Bazar, Jaipur City.
O. P. Sanghi & Co., Jodhpur.
Thahryamal Balchand, Kundan Niwas Building, Ajmer Road, Jaipur.

INSURANCE AGENTS AND SPECIALISTS

Chandra Industrial and Commercial Corporation, Kutchery Road, Jodhpur.

M. KUMBHAT & SONS, H.O. Jodhpur. Branch: Jaipur.

IRON & STEEL FABRICATOR

THE RAJPUTANA METAL WORKS, 1 B Road, Sardarpura, Jodhpur, Manufacturers of Trunks, Buckets, Motor Pans, Water & Storage Tanks.

IRON & STEEL MERCHANTS

Telegrams: "GEMVEE"

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Manufacturers of Iron, Steel & Tin Goods,
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Buckets, Tin Containers, Motor Pans, Water &
Storage Tanks.

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ROPE WORKS LTD., Calcutta.

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GOBINDRAM RAMCHAND, Ajmer Road, Jaipur (India). Importers and Exporters. General Manufacturers and Exporters of enamelled Brass Arts, Carpets, Ivoryware, Sandalwood articles, Precious Stone Ornaments, Jewellery, Silk Tie Die Scarfs and Commission Agents. (Estd. 1925). Grams: "GOBINDRAM RAMCHAND."

H. S. ELAHI BUX & SONS, Bangles Building, Jodhpur.

INDIAN INDUSTRIES PALACE, Ajmer Road, Jaipur City (India); Manufacturers and Exporters of enamelled Brass Arts, Carpets, Ivory Arts and Sandalwood Wares, Silk Tie Dye Scarves; Proprietors: Home Carpet Industries; Telegram: "GOODLUCK", Manager: Jhamatmal.

Mittal Sports, Ajmer Road, Jaipur.

P. M. Allah Buksh & Son, Mirza Ismail Road, Jaipur (Rajasthan).

TAHRYAMAL BALCHAND, Kundan Niwas Building, Ajmer Road, Jaipur (India) (Estd. 1918). Importers and Exporters, general Manufacturers and Exporters of Brass Art-ware, Carpets, Ivory and Sandalwood articles, Precious Stone Ornaments, Silk, Tie and Die Scarfs and Jaipur Handloom Cloth. Prop. Jaipur Carpet Factory. Grams: "TAHRYAMALBALCHAND."

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Grams: "ATMA" Jaipur.

Phone: 468

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Tripolia Bazar,
Jaipur City.

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Dealers in: Precious Synthetic and Imitation Stones of all descriptions. Stockists and order Suppliers of: Paper, all kinds of Glasses, Plywood and Building materials.

P. M. Allah Buksh & Son, Mirza Ismail Road, Jaipur (Rajasthan).

Tahryamal Balchand, Kundan Niwas Building, Ajmer Road, Jaipur.

MACHINERY MANUFACTURERS, DEALERS & PART SUPPLIERS

Allied Corporation Ltd., Jodhpur, Rajasthan.

HARI NARAIN KACHOLIA & CO., Hardware & General Merchants, Mirza Ismail Road, Jaipur (Rajasthan); Approved Government, Municipal, Railway, P.W.D. and M.E.S. Contractors; Sole Agents: Ransomes & Goodyear Mechanical Products; Specialists in Diesel Machinery Spares.

Northern India Machinery Corporation, Sir Mirza Ismail Road, Jaipur (Rajasthan).

HINDUSTAN ENGINEERING WORKS, Jalorigate, Jodhpur (Rajasthan), Oil Kulus, Flour Mills, Pullies, Bandsaws, Drilling Machines, etc.

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NEWSPAPERS AND PERIODICALS

Daily Jalbhoomi, Jaipur (Estd.: 1940), Editor: Gulab Chand Kala,
Sawai Mansingh Highway, Jaipur City (Rajasthan).

LAIKAR WEEKLY (HINDI), Tripolia, Jodhpur (Rajasthan),
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chandra Mehta, M.A., LL.B., a political thinker. Command-
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Praja-Sewak Weekly, Inside Sojati Gate, Jodhpur (Rajasthan).

Rashtradoot, Jaipur.

The Jwala, Hindi Weekly, Sojati Gate, Jodhpur (Rajasthan).

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Estd.: 1936. Telegrams: "PAPERMART", JAIPUR.

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R C Bhargava & Co, Sawal Mansingh Highway, Jaipur.**PRINTERS & PUBLISHERS**1 Inc Art Printing Press, The, Srinagar Road, Ajmer
Rashtradrut Press, Haldigon-Ka-Rasta, Jaipur.**PROVISION MERCHANTS**Delhi Mishthan Bhandar, Chaura Rasta, Jaipur.
EMPIRE STORE, Mirza Ismail Road, Jaipur. Dealers in Toilets, Provision, Hosiery, Wool, Books, Novelties and Crockery.**RADIO MANUFACTURERS, DEALERS & PART SUPPLIERS**J. Santosh & Sons, Jodhpur
O P. Sanghi & Co, Jodhpur.
Radio Electric Corporation, Station Road, Jodhpur
R C Bhargava & Co, Sawal Mansingh Highway, Jaipur.**REFRIGERATORS**Bhargava Industries Ltd, Bhargava House, Banj Imh, Ajmer.
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A. Lalchand, Inside Sojati Gate, Jodhpur.

SCIENTIFIC INSTRUMENTS**SCIENTIFIC APPARATUS & CHEMICAL WORKS, Kankaria Building, Jalori Gate, Jodhpur. The only concern of Rajasthan in Physical and Chemical Apparatus, Geographical Maps and Quarries, Biological Charts and Models. Phone: 227. Grams: "LODEA".****SEED MERCHANTS****BHARAT GENERAL & SEED STORES, Minerva Cinema Building, Jodhpur. High Class Lucerna Barsim & Vegetable Seed Suppliers. Grams: "BHARATSEED".****SILK, COTTON & WOOLLEN MILLS****NARSINGHMAL MEHTA & CO.**

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Harasingh & Sons, opp Martindale Bridge, Ajmer**MODERN TAILORS, Prop.: T. R. Sharma, Outside Sojati Gate, Kutchery Road, Jodhpur (Rajasthan).**

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SAURASHTRA

Area : 21,451 Sq. Miles.

Capital : Rajkot.

Total Population : 41,37,359 (Males 20,94,442; Females 20,42,917; Rural 27,44,198; Urban 13,98,161).

No. of Hindus 35,87,884; Muslims 4,22,186; Jains 1,23,916.

Names of administrative divisions giving the subdivisions within brackets: Zalawad (Wadhwan, Limbdi and Dhrangadhra); Central Saurashtra (Rajkot, Morvi, Gondal and Jetpur); Gohilwad (Bhavnagar, Talaja-Mahuva, Palitana and Kundli); Halar (Jamnagar, Jamnagar East Division and Jamnagar West Division); Sorath (Sorath North Division, Sorath Central Division, Sorath South Division and Porbandar).

Names of Districts with District Headquarters in brackets: Zalawad (Surendranagar); Central Saurashtra (Rajkot); Gohilwad (Bhavnagar); Halar (Jamnagar); Sorath (Junagadh).

Total Number of Districts : 5; Talukas and Mahals : 63; Municipalities : 91; Gram Panchayats : 1,220; Villages : 4,415.

Names of Towns with a population of over 50,000; Rajkot, Junagadh, Porbandar, Bhavnagar and Jamnagar.

Strength of the Legislative Assembly : 60.

No. of members returned from the State to the House of the People : 6.

No. of members returned from the State to the Council of States : 4.

PHYSICAL FEATURES

Standing boldly out into the Arabian Sea between Kutch and the Gujarat coast, Saurashtra's physical features suggest that it may once have been an island or a group of islands of volcanic origin. The surface of Saurashtra is for the most part undulating with low ranges of hills running in very irregular directions. With the exception of the Thanga and Mandav hills, in the west of Jhalavar, and some unimportant hills in Halar the northern portion of the country is flat. But in the south from the neighbourhood of Gogha, the Gir range runs nearly parallel with the coast and at a distance of about 20 miles from it, along the north of Babariwad and Sorath to the neighbourhood of Girnar. The principal river is the Bhadar which rises in the Mandav hills and, flowing south-west, falls into the sea at Navibandar after a course of about 110 miles, everywhere marked by highly cultivated lands bordering its course. Other rivers in the Union are Mauj, Maohhu, Ozat and Shetrunji, the last remarkable for wild and romantic scenery. There are a number of salt-water creeks. The State has a 600-mile coast line and a number of ports: Bedi Bunder, Navlakhi, Bhavnagar, Porbandar and Sica. Of these the first and chief port in the matter of import traffic from Europe is Navlakhi.

LARGE-SCALE INDUSTRY

Main large-scale industries of State with location in brackets: Art Silk (Jamnagar, Bhavnagar, Surendranagar); Cement (Sikka, Porbandar, and Dwarka); Chemicals (Dhrangadhra, Mithapur, Morvi, Kuda, Vernej, Jamnagar, and Gondal); Glass (Morvi); Salt (Dhrangadhra, Sikka, Kharaghoda); Cotton Textiles (Rajkot, Bhavnagar, Mahuva, Surendranagar, Dhrangadhra, Morvi, Wankaner, Jamnagar, Porbandar, and Veraval); Vegetable Products (Bhavnagar, Morvi, Porbandar, Chorwad, Jamnagar); Pottery (Morvi, Wankaner, Shihore, Than).

Production in each Industry in 1951: Art Silk : 58,46,000 yd.; Cement : 1,55,250 tons; Soda Ash : 3,72,13,120 lb.; Glass : 13,228 gross; Salt : 7,38,853 tons; Cotton Textiles : 81,05,47,000 yd.; Vegetable Products : V. Ghee : 1,06,627 cwt.; Oil Cake : 33,820 sd. mds.; Soap refined Oil : 653 tons; Hume pipes : No. 23,562 Rft. 1,31,488.

Number of registered factories : 514 (1951).

No. of registered factories in individual industries in 1951 with the No. of workers in each industry in 1951 within brackets: Art Silk : 7 (1,057); Cement : 2 (1,187); Soda Ash : 30 (5,237); Glass : 1 (118); Cotton Textiles : 21 (12,594); Vegetable Products : 55 (1,730).

COTTAGE INDUSTRIES

List of cottage industries with their location in brackets:

Apparels (Bhavnagar, Rajkot, Jamnagar); Brassware : all types of utensils (Shihore, Rajkot); Ivory : Bangles, Earrings, Buttons, etc. (Mahuva, Junagadh-Savarkundla); Stone-Carvings (Porbandar, Dhrangadhra); Artistic specimens of Plaster of Paris (Gondal); Fire-Works (Junagadh, Jasdan, Jetpur); Pottery-earth works-utensils, cups, saucers (Than, Morvi, Gadhadra); Floor Tiles etc. (Vartel, Porbunder, Mangrol); Jungle Industry : Honey, Bamboo, Gum etc. (Visavader, Junagadh, Talala, Sasan, Gir, Porbunder); Edibles (Rajkot, Porbandar, Shahpur, Saradia, Shihore); Furniture (Rajkot, Jamnagar, Bhavnagar, Porbandar, Junagadh); Handloom (Bagasara, Porbandar, Savarkundla); Perfumery (Jamnagar, Rajkot); Leather Works (Rajkot, Jamnagar); Stationary-Slate, Pen etc. (Porbandar); Toys (Mahuva, Junagadh); Soap (Rajkot, Jamnagar); Tobacco (Shihore).

MINERALS

Main varieties of minerals : Sand-stone, Pottery clay, Iron-slags, Moulding sand, Chandani, Bhutdo, Black-stone, White chalk Stone, Marble (Murmurized Calcite), Hime stone Clippings, White Clay, Building stone, Toad (White).

The district-wise approximate mineral production and value and the average daily labour employed. The 1st figure gives the production, the 2nd the value and the third the average daily labour employed :

Sorath District (2,22,670 tons, Rs. 28,58,450; 2,070); Madhya Saurashtra (72,000 tons; Rs. 2,16,000; 627); Halar District (60,151 tons; Rs. 5,01,805; 600); Gohilwad District (34,325 tons; Rs. 1,93,050; 688); Zalawad District (20,000; Rs. 1,50,000; 255).

Grand total in respect of the whole State : 4,09,146 tons; Rs. 39,19,305; 4,238.

AGRICULTURE

Main food crops of the State : Jowar, Bajri, Wheat, Rice.

Main cash crops of the State : Cotton-seed, Ground-nut, Sesame, Castor, Sugar-cane.

Production of food crops in tons : Nearly 40 lakhs tons.

Total area of the State : 106 lakhs acres.

Total area cultivated : Nearly 61 lakhs acres.

Total area under dry cultivation : 5 lakhs acres.

Total area under cash crops : 11 lakhs acres.

Area under individual food crops : Jowar 24 lakhs acres; Bajri 20 lakhs acres; Wheat 3 lakhs acres; Rice 60,000 acres; Groundnut 7 lakhs acres; Sesame 3 lakhs acres; Castor 75,000 acres.

FOREST

Total area of forests in the State : Nearly 685 Sq. Miles.

There are some other forests like Palitana, Shihor and Mitlala, and some babul kants.

In addition to the above, there are a number of mangrove forests along the sea coast covering an area of about 1 lakh acres.

Total revenue from the forests for the year 1949-50 : Rs. 435,222.

Total expenditure : Rs. 2,81,480.

Main forest produce : The main species in the inland forest are teak which covers about 70 per cent of the area of Gir, Girnar and Ghorad. Other important species are Baval, Khair, Timberva, Amla, Amli, Asundra, Dudhla, etc.

There are a large number of other species forming a varying percentage in different places.

Also a number of minor produce namely bamboos (about 10 lacs), medicinal plants, fruits and gums.

LIVE-STOCK

Livestock Census as it stood in 1951-52 :

Bullocks : 4,58,755.

Bulls : Breeding bulls : 8,011; Other bulls : 1,04,123; Working bulls : 15,376.

Cows : Milch : 8,02,447; Dry : 1,44,371.

1 to 3 years : Male calves : 61,906; Female Calves : 76,455.

Below 1 year : Male Calves : 70,562; Female Calves : 55,556.

Buffaloe bulls : 3,671.

Buffaloes (Jaffrabadi breed) : Milch : 2,65,672; Dry : 84,081.

Poultry local (Mixed) : 20,989.

Horses (Mixed and kathi breed) : 31,085.

Sheeps : 8,68,681.

Goats : 5,63,778.

Other animals : 3,342.

Donkeys : 21,577.

LAND TENURE

Saurashtra is in the forefront among States in respect of agrarian reforms. The most important step in this direction was taken by passing three bills to abolish Zamindari and Barkhali systems.

The three bills are the Saurashtra Land Reforms Act, 1951, the Saurashtra Barkhali Abolition Act, 1951, and the Saurashtra Estate Acquisition Act, 1952. The first two came into force on 1st September 1951 and the third in January 1952.

The Saurashtra Land Reforms Act, 1951 deals with the agricultural land of talukdars, bhagdars, bhayats, cadets and mulgiraalas who were the landholders claiming some kind of proprietary interest in the land. The second deals with agricultural lands of Barkhaldars whose interest is specifically limited to the usufruct of land. The third provides for acquisition by the State of assets other than agricultural land namely waste land, whether cultivable or uncultivable, grass land, ganchar roads, rivers etc.

Special features of the Acts : 1. The representatives of both Giradars and cultivators help the Government officers in the work of implementation. 2. No liability or burden is incurred by the State. 3. Those who were tenants-at-will so far as also those who were superior landholders to become occupants of the State and except to a very small extent in respect of land held originally by Giradars as Gharkhed, there will be no tenants as such. The net result of the implementation is that not only the intermediaries are abolished but also that the old tenancy system is almost abolished.

With a view to preventing fragmentation of holdings the Government have moved a bill in the legislature. This is intended to prevent small fragments of land and thus to ensure the proper size of the holdings necessary for economic and efficient use of land.

The Government aims at prohibiting future tenancies after a certain date and to ensure that the system of exploitation by middlemen does not come into being again in some guise or the other. A bill has been drafted and circulated for public opinion and in a year or two the principle that land must belong to the tiller and that the owner of the land must till the land personally will have been fully implemented. Exceptions will be made in favour of widows, minors, infirm and those serving in the Armed Forces in the country.

IRRIGATION

Major irrigation schemes in operation showing within brackets total expenditure from 1949-50 to 1952-53, additional area to be irrigated and additional food production: Ranghola, Surajwadi, Bhimdad, Zolapur, Chorwadia and Solmatia Irrigation Schemes (Rs. 126,19,806; 18,000 acres; 7,150 tons).

Major irrigation schemes in execution with the details in brackets as above: Brahmani,* Machhu, Moji, Sasol, Pura, Ghee, Aji and Malan Irrigation Schemes (Rs. 178,08,203; 90,600 acres; 34,800 tons).

Medium irrigation schemes (Direct) in operation with the details in brackets above: Sitrin Tank and Canal, Babra Tank, Saugodhra Canal 1 and 2, Rawatsagar Tank, Kadaya Canal, Olak Tank, Soldi Tank, Sakar Tank, Tobra Weir, Sawani Canal, Talala Canal, Lakhapur Canal and Ghunda Tank (Rs. 14,63,501; 5,470 acres; 2,128 tons).

Medium Irrigation Schemes (Direct) in execution with the details in brackets as above: Vedmati Bund and Siyani Dolatpur Canal (Rs. 3,34,035; 1,700 acres; 500 tons).

Medium Irrigation Schemes (Indirect) in operation with expenditure from 1948-49 to 1952-53, area benefited indirectly and additional production in brackets: Tank at Village Tana, Morwada Tank, Habardi Stop Dam, Kalawadi Stop Dam, Nagmati Stop Dam, Bhandaria Tand, Chuda Tank and Kapirja Canal (Rs. 4,52,046; 1,870 acres; 600 tons).

Land Improvement Schemes in operation with expenditure from 1948-49 to 1952-53, area protected by reclamation and additional food production in brackets: Jodia-Balambha Reclamation Scheme, Mota Asota Reclamation Scheme, Shahpur Bund, Hope Reclamation Scheme, Boraka Bund, Miyani Ghedi, Dhirajgadhi Bund and Danti Bund (Rs. 16,77,020; 18,700 acres; 3,220 tons).

Land Improvement Schemes in execution with details as above: Vanod Saran Bund, Jalasar Haripur Karadia and Khiljadia Jambuda Bund (Rs. 10,00,000; 13,700 acres; 2,200 tons).

POWER PROJECTS

Total production during 1951: 44,087 K.W.H.
No. of units supplied to industry (1951): 21,800 K.W.H.

No. of units supplied for irrigation and agricultural purposes: 925 K.W.H.

No. of units supplied for domestic and commercial purposes: 11,717 K.W.H.

No. of units supplied for other purposes: 2,852 K.W.H.

No. of power stations now in operation: 32 (Govt.: 21; Private: 11).

Power projects under execution: Two schemes:
(1) Installing a big thermal station of 6,000 K.W. capacity in Junagadh-Shahpur section.
(2) Expanding Bhavnagar Thermal Station.
Cost will be Rs. 2,62,00,000.

TRADE

Value of export trade: Rs. 12,56,55,311.
Value of import trade: Rs. 32,18,42,042.
Articles exported: Salt, Cement Oil cakes, Onions, Lime, and Lime-Stones, Grains and Pulses; Oil Vegetable, Raw Cotton, Groundnuts, Raw Wool, Fish, Ghee, Castor Oil, Seeds and other articles.

Total quantity in tons: 6,19,199.

Articles imported: Grains and Pulses; Coal and coke, wood and timber, Cotton-seeds, Mineral Oil (Incl. Lub. Oil), Building material,

Dates, Iron and Steel, Coconuts, Gunnies, Tea, Molasses, Metals, Cement and other articles.
Total quantity: 6,34,942 tons.

TRANSPORT

Total mileage of roads (metalled and unmetalled). About 3,300 miles.

Total No. of aerodromes: 6.

Total No. of passenger service buses: 416 (Approx.).

Total No. of goods carrying lorries, trucks: 1,985 (Approx.).

Total No. of taxis: 495 (Approx.).

Total No. of private cars: 2,925 plus 109 (Ruler's) (Approx.).

Total No. of bus companies: 68.

No. of routes covered by these bus companies: 378.

Total mileage of the routes: 11,150

There is no nationalised transport in the State

CO-OPERATION

Total No. of Co-operative Societies (as on 30th June 1952): 767.

Total membership: 41,204

Total working Capital: Rs. 57,60,830.

No. of different types of Co-operative societies in the following districts: Resource Societies: Gohilwad 355; Madhya Saurashtra 77; Sorath 39; Halar 37; Zalawad 27.

Consumer's Societies: Gohilwad 16; Madhya Saurashtra 28; Sorath 18; Halar 12; Zalawad 9.

Producers' Societies: Gohilwad 35; Madhya Saurashtra 30; Sorath 21; Halar 15; Zalawad 39.

Housing Societies: Madhya Saurashtra 2; Sorath 1; Halar 1; Zalawad 1.

General Societies: Gohilwad 1; Halar 1

No. of Central and District Co-operative Banks: One Central and one District.

EDUCATION

Elementary Education (1952):

Total number of elementary schools: 2,386.

Total enrolment: About 2,00,000.

Total number of teachers: 6,236.

Total expenditure for the year on elementary education: Rs. 70,21,000.

Secondary Education:

Total No. of secondary schools: 98.

Total enrolment: About 40,000.

Total No. of teachers: About 1,500.

Total expenditure: Rs. 27,78,000.

College Education:

Total No. of Arts and Science Colleges: 4.

Total enrolment: 2,437.

Total No. of Professors etc.: 113.

Total expenditure: Rs. 7,04,200.

Total No. of professional Colleges: 3.

(Ayurvedic; Commerce; Engineering).

No. of teachers' training institutions: 28 (Govt. 19; Non-Govt. 9).

No. of social education centres: About 500.

Elementary education is not compulsory but the Gram panchayats have been empowered to make it compulsory if they so desire. Many Panchayats have done it already.

Elementary Education in Saurashtra is free in both rural and urban areas. It will be free and compulsory in those rural areas where the Panchayats make it compulsory.

Mother tongue is Gujarati; Gujarati is the medium of instruction. Hindi and English are also taught in Middle Schools and High Schools.

CENSUS

Zalwad: 495,928, Central Saurashtra: 1,045,675;

Gohilwad: 1,020,130; Halar: 574,472;

Sorath: 1,001,154.

ADMINISTRATIVE PERSONNEL

RAJ PRAMUKH

Lt. General His Highness Maharaja Jam Digvijaysinhji Ranjitsinhji Jadeja, G.C.I.E., K.C.S.I., A.D.C.

UP RAJ PRAMUKH

Major H. H. Maharaja Shri Mayurdhwajsinhji, Raj Sahab of Halvad-Dhrangadhra.

MEMBERS OF THE PRESIDUM

L.H. Maharaja Shri Bahadursinhji Maharaja Thakore Sahab of Pallitana.
H.H. Maharaja Krishnakumar Shuji of Bhavnagar
Thakore Sahab Shri Harishchandrashinhji of Mull.

COUNCIL OF MINISTERS

Chief Minister and Minister for Cabinet Work, Co-ordination, Political Integration, Revenue, Registration and Stamps, Security and Services, Planning, Uchharangai N. Dhebar.
Minister for Home, Anti corruption, Press, Information, Road Transport, Tramways, Ports and Rural Telephones, Rasiklal U. Parikh.
Minister for Finance, Audit, State Excise, including Prohibition, Manharlal M. Shah.
Minister for Education, Archaeology, Public Works and Irrigation, Jadasuji K. Modi.
Minister for Law, Justice, Litigation, Translation, Legislative Affairs, Medical, Public Health, Forests, Dayashanker T. Dave.
Minister for Rehabilitation, Food, Industries, Commerce, Electricity, Internal Customs, Civil Supplies, Labour, Ghanshyambhai C. Oza.
Minister for Development, Local Self Government, including Gram Panchayats, Co-operation, Agriculture, Veterinary and Backward Class, Ratubhai M. Adani.

IMPORTANT OFFICIALS

Chief Secretary, Dolarral M. Buch, I.A.S.
Finance Secretary, R. Doraiswamy.
Revenue Commissioner, D. M. Buch.
Chief Engineer, L. J. Bhatt.
Home Secretary, P. K. Shunglu.
Deputy Secretary, Communications Dept., R. B. Vasavada.
Administrative Officer, (Ports), H. P. Oza.
Joint Secretary, Industry and Supply, Department, G. V. Shrivastani.
Deputy Secretary, Industry and Supply Department, D. B. Patel.
Secretary, Legal Dept. and Remembrancer of Legal Affairs, N. J. Mankad.
Secy., Dev. and Plann. Dept., G. F. Mankodi.
Secy., Saurashtra Legislative Department, H. B. Shukla.
Joint Secy., Education Dept., D. M. Bhatt.
Under Secy., Labour Dept., D. K. Badheka.
Director of Information, R. B. Dhukla.
Director of Education, D. L. Sharma.
Electrical Engineer to Govt., F. M. Shah.
Inspector General of Police, V. C. Kanetkar.
Regional Transport Officer, V. R. Dave.
Controller of Civil Supplies, M. Bhatnagar.
Collector, Halar District, Jamnagar, J. K. Gohil.
Collector, Madhya Saurashtra, N. D. Buch.
Collector, Zalawad District, W. C. Subedar.
Collector, Gohilwad District, J. G. Shah.
Collector, Sorath District, R. K. Trivedi.
Development Commissioner, R. C. Raval.

HIGH COURT

Chief Justice, Mohanlal Chuntal Shah.
Justice Judges, Sunderdas Jethanand Chitambar, Janardan Amritlal Baxi.
Registrar, J. M. Pandya.
Dy. Registrar, S. N. Gami.
Advocate General, A. R. Bakshi.

PUBLIC SERVICE COMMISSION

J. M. Mehta (Chairman), S. C. Shroff (Member), T. L. Shah (Member).

SOCIETIES, RELIGIOUS AND COMMERCIAL CHURCH OF THE IMMACULATE CONCEPTION, RAJKOT.

Nature of Body: Religious Vicar, Parish Priest, Rev. Father E. Gadea, S.J., Asst. Rev. Father L. M. Zavala, S.J.

SAURASHTRA MILLOWNERS' ASSOCIATION.

Dhrangadhra House, Surendranagar (Saurashtra).
Nature of Body: Commercial.
President, Sheth Shantilal Mangaldas, B.A.
Vice-President, Sheth Jayantilal Amratlal.
Secretary, Amritlal Popatlal Shah, B.A. (Hons.)
Advocate.

* Was opened on November 19, 1953. Cost: Rs. 68.47 lakhs. Capacity: 2,650 min. c.f.t. Extra food production: 8,000 tons a year.

TRAVANCORE-COCHIN

Area: 9,143.9 sq. miles.

Total population: 92,80,425 (Males: 46,20,803; Females: 46,59,622; Rural: 77,92,133; Urban: 14,88,292).

Population by religion: Hindus: 5,587,862; Christians: 2,968,030; Muslims: 721,227. Capital: Trivandrum.

Names of Districts with names of District Headquarters within brackets: Trivandrum (Trivandrum); Quilon (Quilon); Kottayam (Kottayam); Trichur (Trichur).

Total number of Districts: 4.
Total number of Tahsils: 36.
Total number of Municipalities: 25.
Total number of Panchayats: 550.
Total number of villages: 4,130.

Names of towns with a population of over 50,000: Trivandrum (1,86,931); Nagercoil (79,284); Quilon (66,126); Alleppey (1,16,278); Mattancheri (73,904); Ernakulam (62,283); Trichur (69,515).

Percentage of literacy: 53.76

Strength of the Legislative Assembly: 118 (117 elected and one nominated).

Number of members returned from the State to the House of the People: 12.

Number of members returned from the State to the Council of States: 6.

Geography: The climate of the whole region is generally temperate and the rainfall heavy. Languages spoken in the State are Malayalam and Tamil.

Budget Estimates for the State for 1953-54:

Revenue: Rs. 1713.87 lakhs.

Expenditure: Rs. 1727.74 lakhs.

Deficit: Rs. 14.07 lakhs.

LARGE-SCALE INDUSTRIES

Main large-scale industries of State: Minerals, Rubber, Plywood, Ceramics, Fertilisers and Chemicals, Rayons, Glass, Paper, Aluminium, Sugar, Cement, Textiles and Rare Earths.

State-owned Industrial Undertakings: The Travancore Mineral Concerns, Chavara; The Travancore Rubber Works, Trivandrum; The Travancore Plywood Industries, Punaloor; The Ceramic Factory, Kundera.

State-sponsored Industrial Undertakings: The Fertilisers and Chemicals (Travancore) Ltd., Alwaye; The Travancore Cochin Chemicals Ltd., Alwaye; The Travancore Rayons Ltd., Perumbhavor; The Travancore Ogale Glass Mfg. Co., Ltd., Alwaye; The Punaloor Paper Mills Ltd.; The Aluminium Industries Ltd., Kundera; The Travancore Sugars and Chemicals Ltd., Trivandrum; The Travancore Electro Chemical Industries Ltd., Chingavanom; The Travancore Cements Ltd., Kottayam; Forest Industries Travancore Ltd., Perumbhavor; The Vijayana Mohini Mills Ltd., Trivandrum; Balaramavarnam Textiles Ltd., Shencottah; The United Electrical Industries Ltd., Quilon; West Coast Fisheries (Travancore) Ltd.; The Indian Aluminium Co., Ltd., Alwaye; The Rare Earths Factory, Alwaye; The Caustic Soda Plant, Alwaye.

Private Sector (Important Industrial Undertakings): The Alagappa Textiles (Cochin) Ltd.; The Sitaram Spinning and Weaving Mills Ltd., Trichur; The A.D. Cotton Mills Ltd., Quilon; The Cochin Mahalaxmi Mills, Mulakunnathukavu; Sri Chitra Mills, Alwaye; The Ashok Textile Mills Ltd., Alwaye; The Jumna Thread Mills Ltd., Koratti Angadi.

Steps are being taken to reorganise the Shark Liver Oil Factory on a commercial basis. 80 per cent of the world's output of lemon grass oil is from Travancore-Cochin. A Lemon Grass Research Station has been started in a suitable site covering 25 acres. A State Aid to Industries Act has been passed by Government.

Total number of registered factories: 992.

Number of employees in the registered factories: About 1,11,120.

COTTAGE INDUSTRIES

Main cottage industries: Coir and Handloom.

Their location: Alleppey and Coastal areas for Coir, Handloom in many parts of the State.

Number of workers employed in the Coir Industry: About 5 to 6 lakhs.

Chief minerals produced in the State: The beach sands contain the much valued and strategic mineral monazite besides five others of great economic value namely ilmenite, rutile, zircon, sillimanite and garnet. The extensive white clay deposits contribute to the ceramic industry. Other minerals available are mica, graphite, limestone, quartz-sand and lignite.

AGRICULTURE

Main food crops of the State: Rice, Tapioca and Sweet-potato.

Main cash crops of the State: Coconut, arecanut, Tea, Coffee, Cardamom, Rubber, Pepper, Ginger, Lemon grass, Sesame, Groundnut, Turmeric.

Total area cultivated: 52.89 per cent of total area.

Total area under dry cultivation: 2,434.24 sq. miles.

Total area of uncultivated land: 47.11 per cent of the area.

Total area under wet cultivation: 1,431.1 sq. miles.

Total area under food crops: 13,38,000 acres.

Total area under cash crops: 11,87,142 acres. Area under individual food crops: Rice: 8,00,000 acres; Tapioca: 5,28,000 acres; Sweet-potato: 9,042 acres.

Area under individual cash crops in acres: Coconut 6,54,000; Arecanut 64,400; Tea 69,000; Coffee 8,500; Cardamom 65,000; Rubber 1,24,000; Pepper 92,000; Ginger 38,000; Lemon Grass 25,000; Sesame 18,530; Groundnut 23,500; Turmeric 5,212.

State deficit in regard to food: 50 per cent.

Main plantations in the State: Tea, Coffee, Cardamom, Rubber, Pepper.

Reclamation schemes launched by State for bringing fresh land under cultivation: Vandamettu, Kunnathukal and Valsarickandam land reclamation schemes and the Vembanad Kayal reclamation scheme.

Also pumaboke and other lands, wherever available, have been and are being leased out for food production. About 33,700 acres of forest lands have so far been leased out in furtherance of the G.M.F. programme.

Average annual yield from the newly cultivated forest lands: 7 lakhs paras of paddy, 15,000 tons of tapioca and 3,800 paras of cereals.

FORESTS

Total forest area in State: 3,065 sq. miles.

Location of forest: The main forest range lies north to south bordering the eastern boundary of the State.

The main types of forests: Evergreen, deciduous and semi-evergreen.

Total revenue from the forests for the year (1951-52): Rs. 1,82,25,057.

Total expenditure (1951-52): Rs. 65,31,052.

Main forest produce: Timber, Firewood, Charcoal, Bamboo, etc.

Quantity of each variety: Timber 46,71,000 cubic feet; Firewood 53,976 tons; Charcoal 16,400 bags.

Value of each variety (1951-52): Timber Rs. 1,64,53,814; Firewood and Charcoal Rs. 7,87,265.

Afforestation undertaken during the year (1951-52): 1,620 acres of plantation.

TRANSPORT

Total mileage of roads: 5,581.58 miles.

Total mileage of railways in the State: 170 miles.

Total mileage of waterways: About 200 miles.

Total number of aerodromes: Two.

Total number of passenger service buses for 1951: 1,470.

Total number of goods carrying lorries for 1951: 2,307.

Total number of taxis for 1951: 3,593.

Total number of private cars: 8,000.

Number of telephone exchanges: 84 (including Public Call Offices).

Number of broadcasting stations: 1.

Transport has been nationalised in the State.

Name of Transport Authority: Travancore-Cochin State Transport.

Capital invested: Rs. 80 lakhs.

Total mileage covered: 633 route miles (40,000 miles a day).

Names of routes covered by nationalised passenger service: about one-third of total route mileage (i.e., about 600 route miles).

Number of passenger vehicles (owned by Authority): 372.

Number of goods vehicles: 40.

Number of nationalised or Municipalised city bus services: two Trivandrum city bus service run by the State Transport and the Nagercoil Town Bus Service.

Names of cities where transport is publicly owned: Trivandrum.

Number of city bus service vehicles: 47.

Total number of passengers carried by Authority: 1,25,000 a day.

Total amount of goods carried: 12 lorries of 5 tons each a day.

Total expenses of Authority: Rs. 1,31,58,900 in 1951-52.

Total revenue: Rs. 1,45,96,000.

The number of men employed after nationalisation has increased.

The per capita earning of staff has risen after nationalisation.

Extra amenities if any provided for passengers: Waiting stands, public conveniences, etc.

Rate per passenger mile after nationalisation: Six ples per mile for ordinary; nine ples for express.

Number of main and sub-workshops: One Central Workshop at Trivandrum. One sub-workshop each at Nagercoil, Quilon and Kottayam.

Names of spare parts manufactured in the workshops: Only very minor spare parts are manufactured.

POWER PROJECTS

Total capacity of power plant installed in State: (a) Hydro-electric—Pallivasal 37,500 kW; (b) Thermal (Diesel)—Trivandrum 1,146 kW; Trichur 1,100 kW; Nemmara 163 kW; Nagercoil 216 kW.

Total effective capacity: (a) Hydro-electric—Pallivasal 32,500 kW; (b) Thermal (Diesel)—Trivandrum 1,081 kW; Trichur 1,000 kW; Nemmara 90 kW; Nagercoil 108 kW.

Total production during the year 1952-53: 185,277,352 units.

No. of units supplied to industry: 116,787,493 units.

No. of units supplied for irrigation and agricultural purposes: 7,510,121 units.

No. of units supplied for domestic purposes: 10,426,261 units.

Power projects under execution:

Pallivasal 2nd stage extension: in the High Ranges in Devicolam. Under this scheme, a storage reservoir to impound 1,900 c.ft. of water, is being constructed. The work was started in 1944 and was expected to be completed in 1953. Estimated cost of dam—Rs. 220 lakhs.

Sengulam Hydro-Electric Scheme: The power station is located at Vellathuvai below Pallivasal in Devicolam. The installed capacity will be 4 units each of 12,000 k.W rating. The project was commenced in 1947 and the first two sets were expected to be commissioned in 1953. Estimated cost of the scheme is Rs. 325.75 lakhs.

Poringalkuthu Hydro-Electric Scheme: The power station is located at Poringalkuthu on the Chalakudy river in Trichur District. The installed capacity will be three units each of 8,000 k.W. The works connected with the project were started in 1947 and will be completed in 1954. The estimated cost is Rs. 300 lakhs.

All the above schemes are financed by the State Government under the Five-Year Plan.

Estimated rise in output after completion: On the completion of the above three projects, the total installed capacity of the Hydro-electric stations will be 109,500 k.W, as against 37,500 k.W at present. The total units generated also will go up from the present 135,000,000 to about 560 million units.

IRRIGATION

Major Irrigation Schemes: The following are the major irrigation projects.

Name of Scheme.	Estimated cost in Rs lakhs	Area to be served in acres.
1. Perinchani Scheme ..	44.5	56,000
2. Thripparappu Scheme ..	22.92	5,000
3. Peechi Scheme ..	196.50	46,000
4. Chalakudy Scheme - (1st stage) ..	153.23	50,000
(2nd stage) ..	57.50	
5. Wadakkancherry (Vazhani) Scheme ..	57.50	11,000
6. Neyyar Scheme - (1st stage) ..	143.00	30,000
(2nd stage) ..	80.00	
7. The Kuttanad Development Scheme - (1st stage) ..	93.14	1,15,000
(2nd stage) ..	38.50	

Pechipara Dam in Kalkulam Taluka: Capacity: 3,500 Mft.; Area to be served 56,000 acres.

Lift Irrigation Works: Extensive lands are located on a higher level from the rivers by the side of Chalakudy, Periyar, Muvattupuzha and Pampam. A series of schemes have been embarked by the Government whereby water is lifted from rivers by means of electric pumps and led on to the fields through channels.

About 2,000 items of minor irrigation works are being attended to annually in aid of the G.M.F. Programme.

Land Reclamation: Area of land reclaimed by State Tractor Organisation: About 50,000 acres.

Land Tenure: There are a number of land tenure systems in the State. Jannam lands, Pandaram, Kanappattam, Verumpattam, etc., are some of these. A Land Reform Bill is now in the Select Committee stage. The Government has recently approved an amendment Bill for the Janmi-Kudiyann Act regulating the relation between landlord and tenant. This Bill will be moved in the ensuing session of the Legislative Assembly.

CIVIL SUPPLIES

Names of rationed articles: Rice and Wheat. Quantum of each per adult per day in ounces: The overall quantity of the ration was raised from 9 ounces to 12 ounces per adult per day from the 30th March 1952, consisting of 6 ounces rice and 6 ounces wheat. The wheat portion of the ration was made optional from the 10th August 1952.

Requirement of the State according to the quota: To give a 12-ounce ration, the State requires 825,000 tons of rice a year. But with the 293,000 tons of rice received from the Government of India and about 50,000 tons procured locally it has been possible to maintain rice ration only at 6 ounces per adult per day.

System of procurement. Levy system fixed on a scale basis.

Population living under ration system: Entire State under statutory rationing.

Food subsidy granted by State to maintain system: Rs. 8.08 crores a year.

Co-operation.

Total number of co-operative societies: 2,826.

Budget allotment for the department for the year 1953-54: Rs. 5.31 lakhs.

STATE HELP FOR AGRICULTURE

Manures distributed under State auspices and their quantity (1952-53):

Quantity of compost: 35,000 tons.

Quantity of oil-cakes: 5,000 tons.

Quantity of fertilizers: 4,600 tons.

Bone-meal: 6,000 tons.

Quantity of improved seeds distributed: 23,960 paras.

Monetary or other help given by Government to cultivators: Manures except Ammonium Sulphate are issued to cultivators at 75 per cent of the cost, Government thereby incurring a loss of 25 per cent of the value as subsidy.

Plant protection organisation and its operation: Ten tons of insecticides were purchased and distributed during 1952-53. A special staff is now being appointed for pest control.

Rise in production, if any of different crops owing to 'Grow More Food': The distribution of manures and fertilizers has resulted in an additional production of 25,000 tons of paddy.

Highest yield per acre of different crops for which prizes were offered in competitions. Under the paddy prize competition scheme, money prizes valued at Rs. 100 per taluka and Rs. 250 per district are awarded. The highest yield recorded for Kanni crop of 1952 is 6,555 lb. or 360 paras of paddy per acre.

Budget grant for work outlined above: Rs. 28.49 lakhs under main head Agriculture for 1953-54.

Number of stud bulls: 14.

Number of veterinary hospitals and dispensaries: 57; Stockmen stations: 12.

Budget allotment for veterinary department for the year 1953-54: Rs. 6.48 lakhs.

PUBLIC HEALTH

Commonest diseases in State and mortality from each of these (1951 figures):

Cholera 198; Smallpox 423; Malaria 127; Typhoid 966; Other fevers 10,745; Pulmonary tuberculosis 3,607; Leprosy 46; other respiratory diseases: 2,614; Dysentery and Diarrhoea 3,652.

Number of allopathic hospitals: 200 Government Hospitals and dispensaries; 34 Grant-in-aid excluding private hospitals.

Number of Ayurvedic Hospitals: 13; Dispensaries 6; Vaidyasalas 50; Grant-in-aid Vidyasalas 313.

Number and types of special hospitals: T.B. hospitals 2; Leprosy Sanatorium 1; Leprosy hospitals 3; Mental Disease Hospitals 2; Women and Children Hospitals 6.

Total number of allopathic doctors: About 410 in Government hospitals and dispensaries.

Physicians in Government Ayurvedic hospitals and dispensaries: about 105.

Total number of doctors (allopathic, ayurvedic and unani): 515 in Govt. employment.

Nurses: About 700; midwives 465.

Compounders: 300.

Total number of medical colleges: Allopathic: 1; Ayurvedic: 1.

Total number of seats for students in allopathic colleges: 100; in ayurvedic colleges: 125 for degree course and 17 for diploma course.

Names of any special medical research institutions: Public Health Laboratory, Trivandrum.

Budget allotment of the Public Health Department for the year 1953-54: Rs. 26.16 lakhs.

EDUCATION

Total number of elementary schools. Primary schools: 4,086 (both departmental and private)

Total number of secondary schools: 1,265.

Number of special schools: 160.

Total number of arts and science colleges: 39.

Number of women's colleges: 5 in Travancore.

Total number of professional colleges: Medical College 1; Law College 1, Engineering College 1.

Polytechnic: Started in 1951. Provides Diploma courses in Automobile Engineering, Chemical Engineering, Food Technology and Fisheries Technology.

Elementary education compulsory in certain districts. Free and compulsory education exists in parts of South Travancore both urban and rural.

Institution for post-matriculation diploma in Engineering and Technology: Maharaja's College, Ernakulam.

Place of language in the education system: Regional language is compulsory from primary stage. It is the medium of instruction up to S.S.L.C. Hindi is also compulsory from the middle school stage. English except in college stage is taught as second language. English is the medium of instruction in college educations. No plan for replacing English at the college stage.

Public examinations which a student has to take during his school career and name of body controlling such examinations. III Form and S.S.L.C. (Both controlled by Government). Number of students who appear for each of these examinations: 44,708 appeared for S.S.L.C. in 1952-53. Percentage of failure: 58 per cent.

Social Education: A Social Education Board has been constituted to implement the Social Education Scheme. An Adult Education Research Demonstration and Training Centre started in February 1951 offers six months training to social workers in the technique of social education work. Education centres have been started with persons trained in the Training Centre as Organisers and a Social Education Council for each centre to advise and help the organisers. 141 literary classes have been organised for a purely literary drive to liquidate illiteracy among the rural population. 175 Adult Education Institutions have been transferred to the control of the Adult Education Board. There is a stationary Visual Education Unit attached to the Adult Education Training Centre.

Basic Education: There are a few basic schools in the State. An institution has recently been started by the Government to train up teachers in the basic system of education and 106 teachers have so far been given a three months course of training. Steps are being taken to constitute a Board of Basic Education. Government have taken up the question of introducing the basic system in a few Departmental Primary Schools to begin with.

LABOUR, HOUSING, 1952

Average daily number of workers in registered factories: 1,11,120.

Names of industries in which a minimum wage is fixed. Plantation labour and beedi making.

Total number of trade disputes for the year 1952: 2,500.

Names of Important State laws affecting trade disputes: Trade Unions Act, Factories Act, Shops and Establishments Act, Industrial Disputes Act, Minimum Wages Act and in a few places Industrial Employment (Standing Order) Act.

Number of trade unions in State: 600.

Different classes of houses built: P.W.D. has built 72 houses for Non-Gazetted officers at Trivandrum.

Number of houses constructed under the Co-operative Housing Scheme: 300 costing on an average about Rs. 1,500 each.

Number of houses constructed under a scheme to provide houses for the backward communities: 300.

Number of houses expected to be completed: 272.

Local authorities that exist in the State: Co-operatives, Municipalities and Panchayats.

Five-Year Plan: The total outlay on the State's Five-Year Plan is estimated to be Rs. 27-32 crores.

Distribution of the total outlay is as follows: Agriculture: Rs. 545-10 lakhs; Veterinary and Animal Husbandry: Rs. 2-50 lakhs; Forests: Rs. 60-00 lakhs; Co-operation: Rs. 8-00 lakhs; Fisheries: Rs. 15-00 lakhs; Major Irrigation: Rs. 478-00 lakhs; Power: Rs. 1,035-00 lakhs; Cottage Industries: Rs. 89-00 lakhs; other Industries Rs. 15-80 lakhs; State Highways: Rs. 100-00 lakhs; other Roads: Rs. 50-00 lakhs; Nationalised Transport: Rs. 42-00 lakhs; Ports and Harbours: Rs. 30-00 lakhs; Education: Rs. 20-00 lakhs; Medical: Rs. 120-00 lakhs; Public Health: Rs. 51-50 lakhs; Housing: Rs. 10-00 lakhs; Amelioration of Backward Classes: Rs. 60-00 lakhs.

ADMINISTRATIVE PERSONNEL

Rajpramukh.
Major-General H. H. Sri Padmanabha Dasa Bala Rama Varma, G.C.S.I., G.C.I.E.

Rajpramukh's Staff.
Secretary, S. Vaidhyanatha Aiyar.
Military Secretary, J. W. Chacko.

COUNCIL OF MINISTERS

Chief Minister (General Administration, Integration Problems, Law and Order, Education, Planning, Information, Food, Legislation), Pattom Thanu Pillai.

Finance, Revenue, Agriculture, Industries and Commerce, Excise and Forests, P. S. Nataraja Pillai.

Public Works and Transport, A. Achuthan.

Local Self-Government, Health, Labour, Housing and Co-operation, P. K. Kunju.

Secretariat

Chief Secretary, V. N. Rajan, I.C.S.
Development Secretary, V. V. Joseph.
Revenue Secretary, K. C. Kerala Varma
Education and Health Secretary, V. K. Velayudhan.

Finance Secretary, A. S. Padmanabhan.
Law Secretary, N. S. Radhakrishna Sharma.
Food Secretary, G. Thomas.
P.W.D. Secretary, G. Madhavan.
Additional Secretary, K. Narayana Menon.

HEADS OF DEPARTMENTS

Accountant-General (Central), K. Govinda Menon (Comptroller).

Chief Conservator of Forests, S. Venkateswaran.

Chief Engineer, K. K. Kartha.

Chief Inspector of Factories, P. Sitarama Kunkiliyia.

Commissioner of Labour, M. K. Devassey.

Controller of Rationing, Thomas Manjooran (Civil Supplies Commissioner).

Director of Agriculture, C. Thomas.

Director of Animal Husbandry and Vet. Services, V. K. Madhava Menon.

Director of Education, V. Sunderaraja Naidu.

Director of Govt. Printing and Stationery, G. F. Amalanathan.

Director of Industries, Dr. P. V. Nair.

Director of Public Health, Dr. E. S. B. Menon.

Director of Publicity, V. R. Narayanan Nair.

Housing Commissioner, P. Sivarama Pillay (Jt. Registrar of Co-operative Societies for Housing Colonisation and Settlement).

Director of Transport, N. R. Srinivasan.
Inspector-General of Police, N. Chandrasekharan Nair.

Inspector-General of Prisons, K. Karuhakara Kartha.

Registrar of Births, Deaths, Dr. E. S. R. Menon.

Registrar of Companies, P. J. Verghese.

Registrar of Co-operative Societies, P. Gopalan Nair.

Surgeon-General, Dr. A. O. Jacob.

Superintendent of Census, V. Sivaraman Nair.

Mg. Dir., Finance Corporation, C. I. Abraham

High Court

Chief Justice, K. T. Koshy.

Judges: K. Bankaran; K. S. Govinda Pillay; P. K. Subramania Aiyar; Joseph Vithayathil, M. S. Menon; G. Kumara Pillay (one place vacant).

Registrar, K. S. Narayana Aiyar.

PUBLIC SERVICE COMMISSION

Chairman, Rama Varma Thampuran.

Members, Kunju Krishnan and B. V. Thomas.

Secretary, Jacob Verghese.

UNIVERSITY OF TRAVANCORE

Trivandrum.

Founded on 1st November 1937.

Chancellor.

His Highness Sir Bala Rama Varma, G.C.S.I., G.C.I.E., D.Litt.

Vice-Chancellor.

Sir A. Ramaswami Mudaliar, D.C.I.

Pro-Vice-Chancellor.

P. R. Parameswara Panikkar, M.A.

Registrar.

P. S. Abraham, B.A., M.Ed. (Leeds).

Type of University: Teaching and Affiliating.

Subjects in which there is provision for post-graduate work and for Research: English, History, Economics, Philosophy, Mathematics, Physics, Chemistry, Botany, Zoology, Statistics, Malayalam and Sanskrit.

The Central Research Institute offers facilities for research courses leading to the M.Sc., Ph.D. and D.Sc. Degrees of the University in the following branches of pure and applied Science: Pure and Applied Chemistry, Economic Botany, Statistics, Marine Biology and Oceanography, Entomology, Mycology, Astronomy and Meteorology, Preventive Medicine and Pure and Applied Geology.

Number of colleges maintained by the University: Arts and Science Colleges 4; Professional Colleges 6.

Colleges admitted to the privileges of the University: Arts and Science Colleges 20; Professional Colleges 3.

Total number of students in the University during 1952-53: 21,756.

List of Colleges affiliated to the University:

Govt. Polytechnic, Kalamasari.

H.H. The Maharaja's College for Women, Trivandrum.

H.H. The Maharaja's Law College, Ernakulam.

H.H. The Maharaja's Sanskrit College, Trivandrum.

H.H. The Maharaja's Training College, Trivandrum.

H.H. The Maharaja's University College, Trivandrum.

Institute of Textile Technology, Trivandrum.

The College of Engineering, Trivandrum.

The Maharaja's Technological Institute, Trichur.

University Intermediate College, Trivandrum.

Assumption College for Women, Changanacherry.

Ayurveda College, Trivandrum.

Catholicate College, Pathanamthitta.

C. M. S. College, Kottayam.

Fatima Mata National College, Quilon.

Govt. College, Chittur.

Govt. Training College, Chittur.

Maharaja's College, Ernakulam.

Mahatma Gandhi College, Trivandrum.

Mar Ivanios College, Trivandrum.

Mar Thoma College, Tiruvalla.

Medical College, Trivandrum.

N.S.S. College for Women, Trivandrum.

N.S.S. College, Pandalam.

N.S.S. Hindu College, Changanacherry.

Sanatana Dharma College, Alleppey.

Scott Christian College, Nagercoil.

Sree Narayana College, Quilon.

Sree Narayana College for Women, Quilon.

St. Berchmans' College, Changanacherry.

St. Thomas' College, Palai.

Union Christian College, Alwaye.

List of Colleges affiliated to the Madras University:

Sacred Heart College, Thevara, Ernakulam.

Sri Kerala Varma College, Trichur.

St. Albert's College, Ernakulam.

St. Mary's College, Trichur.

St. Teresa's College, Ernakulam.

St. Thomas' College, Trichur.

CENSUS

Trivandrum: 2,154,192; Quilon: 3,026,822; Kottayam: 1,788,771; Trichur: 2,815,640.

TRADES & PROFESSIONS

Jaya Bhavatham Co., Manufacturers of Jabco Products, Banerji Road, Ernakulam.

KATTAPPURAM ENGINEERS, Thevara Road, Ernakulam; Automobile Repair Specialists and Dealers.

LUIZ & COMPANY, P.O. Box No. 72, Ernakulam (Travancore-Cochin); Manufacturers of Packing Cases, Crates and Baskets.

"NARMADA"—Hummorous Malayalam Journal, Ernakulam; Editor: Artist Raghavan Nair.

UNITED ELECTRICAL INDUSTRIES LTD., Poonen Road, Trivandrum; "Aren" House Service Motors.

PART C STATES

AJMER

Capital : Ajmer.

AJMER enclosed by Rajasthan lies between North Latitude 25°38' and 26°54' and East Longitude 74° and 75°22'. It is bounded on the north by Jodhpur and Kishengarh, on the east by Kishengarh and Jaipur, on the south by Mewar and on the west by Jodhpur. The area of the State is 2,417 sq. miles and the population 693,372.

The estimated Expenditure and Receipts for 1953-54 are Rs. 1,88,76,000 and Rs. 1,88,76,000 respectively, leaving a closing balance of Rs. 3,60,000. The opening balance is Rs. 3,60,000. Rs. 2,22,000 were set apart for relief and rehabilitation. Other allotments were Rs. 1,00,000 for test works in scarcity areas, Rs. 87,000 for the distribution of improved seeds, Rs. 2,17,000 for protection against pests, Rs. 3,06,000 for sinking wells, Rs. 50,200 for converting town waste into manure, Rs. 10,63,500 for Basic education, Rs. 2,60,500 for social education, Rs. 1,10,00,000 have come from Centre for balancing budget, Rs. 7,95,000 for agricultural schemes, Rs. 2,22,000 for displaced persons.

The distinguishing feature of the country is the Aravalli range, the barrier which divides the plains of Marwar from the high tableland of Mewar. It is not one range but a series of parallel ranges. About ten miles from Ajmer the hills disappear but in the vicinity of Beawar they form a compact double range which finally meet at Kukra from which village a confused mass of hills and narrow valleys extend to the farthest extremity of the District. Ajmer Tahsil consists mostly of plain country while Beawar Tahsil is more hilly. The District may, generally be divided into seven main tracts separated by hills.

On the whole rainfall is very precarious and very large areas are under dry cultivation which is of the Catch Crop order. The main crops are maize, millet, barley, cotton, oilseeds, wheat, bajra, jowar, chillies and onions.

There are four cotton textile mills and nine hosiery factories including two well established ones and many spinning and pressing factories. Mills turn out coarse cloth. There is also some quarrying work in mica at some places in the district.

The main transport is by railway and road. The meter gauge line of the Western Railway passes through the district. Ajmer city forms a nucleus of roads which radiate from here in all directions.

Beawar and Kekri towns are big trading centres. The district is a deficit area in the matter of foodgrains and therefore there is not much export trade. The chief imports are wheat, rice, pulses, cotton and woollen piece-goods, kerosene oil, salt, utensils, spices, sugar and medicines.

The following schemes are being run by the State Agricultural Department in connection with the "Grow More Food Campaign":—Well Sinking Scheme; Town Compost Scheme; Distribution of Oilcakes and Chemical Fertilisers; Distribution of Improved seeds; Palmgur Development Scheme; Crop Competition Scheme; Plant Protection Scheme; Publicity of Grow More Food Drive; Crop Cutting Scheme.

ADMINISTRATIVE PERSONNEL

Chief Commissioner, K. Kirpalani.
Chief Minister, Gen. Admn., Appointments, Agriculture, Animal Husbandry, Forests, Harijan Welfare, Medical, Public Information, Co-operation, Industries, Development, Hari Bhau Upadhyay.
Home, Finance, Planning, Public Works, Excise, Registration, Stamps, Bal Krishna Kaula.
Law, Justice, Local Self-Govt., Transport, Relief, Rehabilitation, Civil Supplies, Revenue, Labour, Education, Brij Mohan Lal Sharma.
Chief Secretary and Development, A. Sen, I.A.S.
Finance, P. C. Mukherjee.
Judicial Secretary, G. S. Galtonde.

Assistant Secretary (Legis.), B. N. Mathur.
Assistant Secretary (Admn.), B. B. Shrivastava.
Assistant Secretary (Finance), D. N. Mehra.
Assistant Secretary (Medical), R. L. Jha.
Deputy Commissioner and District Magistrate, A. K. Mustafa.
Assistant Commissioner and Additional District Magistrate, Durga Dutt Upadhyay.
Assistant Additional Commissioner and Additional District Magistrate, 1st Class, A. P. Dewan.
Extra Assistant Commissioner, Beawar, P. D. Khanna.
Sub-Divisional Officer, Kekri, S. L. Sharda.
City Magistrate, Ajmer, G. K. Bhagat.
Sub-Divisional Officer and Sub-Divisional Magistrate, 1st Class, Ajmer, P. N. Seth.
Stipendiary Magistrate, 1st Class, Beawar, A. Jaisughani.
Stipendiary Magistrate, 1st Class, Ajmer (1), K. G. Sogani; N. N. Bhatnagar.
Treasury Officer and Magistrate, 1st Class, M. R. Goyal.
Custodian of Evacuee Property and Relief and Rehabilitation Commissioner, Dr. Tarachand.
Assistant Custodians, Madho Narain Mathur; M. G. Toshniwal.
Project Executives Officer, S. L. Sarda.
Director, Animal Husbandry, D. P. Shukla.
Jowshala Development Officer, R. N. Mukherjee.
Poultry Development Officer, S. P. Beri.
Agricultural Officer, ex-officio Registrar, Co-operative Societies, C. L. Nagar.
Record and Rent Rate Officer, Hadi Hasan.
Extra Assistant Director of Agriculture, C. L. Nagar.
Agricultural Engineer, C. P. Quiterlo.
Director, Food and Civil Supplies, A. Rauf.
Dy. Director of Food and Civil Supplies, Prem Dutt Vyas.
Chief Forest Officer, D. P. Nandev.
Labour Officer, Onkar Nath Sharma.
Assistant National Savings Officer, B. M. Bhatia.
Administrator, Durgam, A. M. Zuberi.
Dy. Inspector-General of Police and Superintendent of Police, Nag. K. Gupta, I.P.S.
Deputy Superintendents of Police, Sardar Daleep Singh; Khaliluddin Ghori; J. S. Narula.
Trilochan Singh.
Deputy Superintendent of Police, Anti-Corruption Department, S. D. Puri.

LEGISLATIVE ASSEMBLY

(For list of members see under General Elections).

ANDAMAN AND NICOBAR ISLANDS

Capital : Port Blair.

The Andamans are a group of islands of various sizes large and small lying in the Bay of Bengal about 780 and 740 miles from Calcutta and Madras respectively. The main part of the group is composed of five large islands, viz., North Andamans, Middle Andamans, South Andamans, Baratang and Rutland Islands generally known as the Great Andamans. Included in the Great Andaman group are also 204 islets, the two principal groups being the Ritchie Archipelago and the Labyrinth Islands. To the south of the Great Andamans is the island of Little Andaman. The extreme length of the Great Andaman Islands is 219 miles and the extreme breadth 32 miles, the total land area being approximately 2,508 sq. miles. These Islands have several very good harbours—Port Blair, Port Cornwallis, Mayabander and Elphinstone Harbour. The headquarters are at Port Blair.

The Nicobar Islands, are situated to the south of Andamans 75 miles from Little Andaman. There are 19 islands, 7 of which are uninhabited. The total area is about 685 sq. miles. The islands are usually divided into three groups (Southern, Central and Northern) the chief island in each being Great Nicobar, Camorta with Nancowry and Car Nicobar. There is a fine land locked harbour at Nancowry between the islands of Camorta and Nancowry.

POPULATION

The total area of Andaman and Nicobar Islands is 3,215 sq. miles and the total population according to 1951 census excluding the aborigines is 30,971.

Some of the islands are not populated at all, some only sparsely while Car Nicobar is densely populated. The total population of the islands of the Andaman Group excluding the aborigines was 18,939 in 1941.

The population of the Nicobar group was 12,009. The original inhabitants of the islands are of a small Negrito type who live in the forests by hunting and fishing. They have no fixed habitation, and do no cultivation; their civilization is about that of the Stone Age. Their numbers are not known as they prefer to avoid all contact with civilization.

The climate can be said to be temperate as the heat during the dry months is bearable because of the cool breeze from the sea. The temperature generally varies from 65° to 95°. The average rainfall is about 130 inches, and rain falls from six to eight months in the year. The islands have no such season as winter. The one great disadvantage is the humidity which varies from 79 per cent to 87 per cent and has an enervating effect.

HISTORY

Very little is known about these islands earlier than the year 1789 when the first attempt to colonise these islands was made by Captain Archibald Blair, R.N. and a colony was established at Port Blair. This colony was later moved to what is now known as Port Cornwallis in North Andamans and after a chequered career covering only 7 years the colony was closed in 1796 due mostly to sickness and trouble from the native inhabitants. The present colony was actually opened in the year 1858 for the accommodation of a large number of prisoners following the uprising in India used to be called the "Great Mutiny".

From 1858 to 1942 the islands were used by the Government of India as a penal settlement for convicts serving life sentences and long terms.

The islands were occupied by the Japanese in March 1942 and re-occupied by the Government of India in October 1945. The Japanese built a small jetty at Malacca and roads in Car Nicobar which they developed as a supply base.

With the re-occupation of these islands the penal settlement was abolished.

Some displaced families from East Bengal are being settled in Andamans. The administration is making all efforts to help these families by giving them land, rehabilitation and taccavi loans. Extra working members of families are given employment in the Labour Force and Public Works Department.

AGRICULTURE, INDUSTRY

In the year 1951-52, 33,090 tons of timber and timber products and 44,738 bags of match splints were shipped to India, and the revenue from the sale of timber and timber products amounted to Rs. 64,45,174. Coconut and rubber are other sources of income.

The islands are slowly being made self-sufficient in paddy and rice, and now grow approximately half their annual requirements. No proper survey of the mineral resources of these islands has yet been undertaken.

Coconuts are next to timber the most important among the produce of the islands and a major item in the diet of the inhabitants. In the Andamans coconuts are mostly confined to the South Andamans. Exports which go to Calcutta and Madras generally are in the form of nuts and copra.

There is plenty of scope for fruit growing. Such fruit as Papaya, Pineapple, Citrus, Bananas, Mangoes, etc. can be easily grown. The question of starting a canning industry has at times been discussed.

The Andaman Islands contain some of the biggest forest estates in the world and therefore as already mentioned the main industry of these Islands is the production of timber. The forests contain many valuable species whose commercial possibilities have yet to be thoroughly investigated. The better known species are Padank, Andaman red wood and Gurjan. Gurjan is in great demand for the manufacture of plywood. Large quantities of soft wood are supplied to match factories.

There is a High School at the Headquarters and several primary classes at outlying villages.

There is a well-equipped hospital at the Headquarters with a separate branch for women and children. There are smaller hospitals and dispensaries at the outlying places. The incidence of malaria is moderate in areas under control and in other areas the disease is kept in check with regular administration of paludrine. Plague, cholera and small-pox are unknown.

ADMINISTRATION

The Andaman Islands are administered by the President acting through a Chief Commissioner and an Advisory Council of 6 Members. The seat of administration is at Port Blair, which is connected with Calcutta and Madras by a mail steamer which calls approximately once every 3 or 4 weeks at Port Blair. The Islands are connected to India by wireless telegraphy. An Assistant Commissioner is stationed at Car Nicobar.

Chief Commissioner, S. N. Maitra
Advisory Council, Bal Krishna Gupta, Ram Krishna, Gulam Mohammad, Lachman Singh, Uma Pershad.

BHOPAL

Capital: Bhopal.

Districts with populations: Raichur (315,358), Sehore (521,116).

Bhopal has an area of about 6,878 sq. miles, a population of 836,474 and an annual revenue of one crore and thirty-three lakhs of rupees. It was formally proclaimed a Chief Commissioner's Province of the Indian Union on June 1, 1949 and made a Part C State on the introduction of Part C States Act, 1951. Since the general elections it has had a responsible ministry and a Chief Commissioner as head of the State.

Bhopal is in central India. It is bounded on the north and west by Madhya Bharat; on the south by the Narmada river; and on the east by the Sagar District of Madhya Pradesh. Most of the State is situated on the Malwa plateau to the north of the Vindhya. The climate of the region is mild and the average rainfall varies from 30 inches to 50 inches.

The State contains many remains of great archaeological interest, including: the famous Sanchi Topes, which date from the second century B.C. and where the relics of two chief disciples of Lord Buddha, Sariputta and Mahamoggallana, were enshrined in a new Vihara in November 1952. Adjoining the topes is the Sanchi station on the Central Railway main line from Bombay to Delhi.

More than two-thirds of the State is arable and the soil is generally very fertile. The principal agricultural product is wheat and the main cash crops are tobacco and sugarcane. The forests are very extensive and valuable. The land system in force is ryotwari by which the cultivator holds the land direct from the Government. There is absolute permanency of tenure so long as the assessment is regularly paid.

The State Government is introducing Bill in the State Assembly seeking to abolish Jagirdari system in the State. 2,00,000 acres of land has already been reclaimed. The State's efforts at mechanical cultivation have begun to bear fruit in that the agricultural production during the year 1953 went up, the yield of wheat alone being 85,000 tons as compared to 57,000 tons in 1952.

Industrially, too, the State has made considerable progress. Among the more important manufacturing concerns in the State are: The New Bhopal Textile Mills, the Strawboard Factory, the Sehore Sugar Factory, the Nerbudda Refrigerated Products Co., the Central India Chemicals Ltd., an oil mill and several ginning and pressing factories. In the sphere of cottage industries, centres have been opened for imparting training in various arts and crafts.

Bhopal is on the Central Railway main line between Bombay and Delhi. The chief means of communication within the State itself are the roads, of which a great many are new.

Since integration the State has made vast strides in education. All manner of educational institutions have been increased four times with simultaneous increase in the number of the teachers and the taught. Liberal grants in respect of scholarships, specially to Harijan and Backward Classes, have been provided.

Facilities in respect of public health are also provided. There are travelling dispensaries in the countryside and a new hospital staffed and equipped on modern lines in the city.

Most of the laws and ordinances passed by the Central Legislature have now been enforced in the State. Services have been reorganised and new scales of pay introduced. The service personnel are wholly governed by the Central Government rules and regulations.

All the principal Acts and Ordinances of the Central Government are made applicable to the State along with such Acts framed by the State Governments as have been found to serve the interests of the State people. The State presently stands in the full tide of responsible Government. The Congress swept the polls during the last general elections and gained a majority with 25 seats as against five of the opposition in a House of 30.

The 1953-54 budget estimates were Opening Balance Rs. 1,40,000, receipts Rs. 2,45,97,000 and expenditure Rs. 2,45,52,000, thus leaving surplus of Rs. 4,45,000. The receipts include a grant-in-aid from the Central Government of Rs. 1,12,00,000. A new tax in the form of Agricultural Income Tax was imposed by the State Legislative Assembly which will yield to the State Government a sum of Rs. 3,00,000 per annum.

Under Capital expenditure was included a provision of Rs. 1,22,000 for capital outlay on buildings, Rs. 11,95,000 for capital outlay on electricity schemes and Rs. 33,40,000 for the purchase of food grains. On the Five-Year Plan, the State Government had to spend Rs. 3,98,00,000. The Central Government allotted Rs. 3½ crores for tractorization of land.
Chief Commissioner, Bhagwan Sahay, I.C.S.
Chief Minister, Dr. Shankar Dayal Sharma

Other Ministers, Kamta Prasad; Maulana Tarzi Mashriqui.

Deputy Minister, Umrao Singh.

Judicial Commissioner, N. V. Sathe.

Chief Secretary, M. S. Das, I.A.S.

Secretary and Commissioner, Food and Civil Supplies, Information and Elections, Kunwar Rajendra Narain Bisarya.

Secretary and Commissioner, Planning and Development, Col. Venkoba Rao.

Finance Secretary, M. B. Lal.

Secretary, Commerce and Industries and Excise Commissioner, Jamil Ahmad.

Judicial Secretary, Abdul Alim Khan.

Director, Medical and Health Services, Col. R. K. Misra.

Chief Engineer, P.W.D., Major Fehim Beg.

Conservator of Forests, K. R. N. Pillai.

Inspector-General of Police, S. N. Aga.

Director of Land Reclamation, Azizur Rahim Khan.

Collector, Sehore, Sardar Amarjit Singh.

Collector, Raichur, Badre Alam.

Rehabilitation Officer, Chetram Chopra.

Director, Land Records, Munawar Mohd. Khan.

Director of Agriculture, Mr. J. K. Dube.

LEGISLATIVE ASSEMBLY

(For list of members see under General Elections).

COORG

Area: 1,586 sq. miles; Population: 229,405; Capital: Mercara; Strength of Legislative Assembly: 24.

A State in South India bounded along its entire western frontier by the mountain chain of the Western Ghats which separates it from the Madras Districts of Malabar and South Kanara. The Western Ghats curve somewhat inland and thus also serve to some extent as the northern and southern boundaries. In the north Coorg is partially separated from the forest highlands of Mysore State by the rivers of Kumaradhara and Hemavathi, and on the east the State merges into the general tableland of Mysore State, the boundaries being marked by the river Cavery which is known as the Ganges of South India and a famous place of pilgrimage. Coorg is a hilly country with a rainfall of on an average from 80 to 120 inches with evergreen, deciduous and semi-deciduous forests.

Coorg was annexed by the then British Government in 1834, for some time it remained as a separate entity, governed by the Government of India, through a Chief Commissioner. It was given a Legislative Council in 1924 consisting of 20 members (15 elected members and 5 nominated members of whom 4 were officials and one non-official to represent the communities known as Holeyas, Kurubas, Madigas and Yeravas) with the Chief Commissioner as its President. The number of elected seats was reduced to 13 in 1949 as a result of the abolition of two seats set apart for Europeans, thus bringing the total number of seats to 18.

Coorg continues to be a separate State under the Constitution of India and is termed as a Part 'C' State. Under the Government of Part 'C' States Act, 1951 (Central Act XLIX of 1951), Coorg has been given a Legislative Assembly consisting of 24 members made up of 18 general seats, 3 seats for Scheduled Castes and 3 seats for Scheduled Tribes, with power to elect its own Speaker and Deputy Speaker. Under the same Act a popular Ministry has also been set up to aid and advise the Chief Commissioner. Coorg has also been allotted one seat in the House of the People of the Parliament of India and one seat in the Council of States combined with Ajmer.

The State forms a single district covering an area of 1,586 square miles and has a population according to the 1951 census of 229,405. The population is made up of Coorgs, Dowdugals, Lingayats, Brahmans, Muslims, Christians and (Harijans). Scheduled Castes and Scheduled Tribes. Kannada is the chief language; Kodagu (Coorg language) is a dialect of old Kannada.

Budget estimate of revenue for 1953-54 was Rs. 1,03,85,000, expenditure for 1953-54 Rs. 1,40,95,000.

Paddy, coffee, orange, pepper and cardamom are the chief agricultural produce. There is no large scale industry. Transport consists mainly of buses, lorries and bullock carts. The chief items of trade are coffee, orange, pepper, cardamom and rice.

A college was opened in June 1949.

The total length of the State roads is 387 miles.

Council of Ministers.

Chief Minister, C. M. Poonacha.

Minister for Law and Order, K. Mallappa.

ADMINISTRATIVE PERSONNEL

Chief Commissioner, Lt.-Col. Kanwar Dayal Singh Bedi, I.P.S.

Secretary to the Chief Commissioner, B. R. Verma.

Assistant Commissioner and District Magistrate, I. C. Subbayya, M.A., B.L.

District Superintendent of Police, M. P. Muthanna, B.A., B.L.

Conservator of Forests, N. Thirumurthy, M.A., I.P.S.

Civil Surgeon, T. B. Medappa, M.B.B.S.

Agricultural Officer, B. S. Varadarajan, B.A.

Registrar of Co-operative Societies, G. Ghilappa, B.Sc. (Hons.)
Munsiff and 1st Class Magistrate, Virajpet, K. A. Thammayya, B.A., B.L.
Munsiff and 1st Class Magistrate, Mercara, M. B. Madappa, B.A., B.L.
Agricultural Income-Tax Officer and Income-Tax Officer, B. Anjaneya, B.A.
Superintendent, Central Excise, V. Natarajan, B.A.
District Employment Officer, P. Parameshwaran.
Chief Veterinary Officer, A. M. Muthappa, G.M.V.C.
Irrigation Officer, C. Vishveshwariah, B.E.
Government Electrical Inspector, C. B. Narasimhamoorthy.
Malaria and Health Officer, C. B. Cariappa, M.B.B.S.
Principal, Government College, K. P. Achutan Pillai, M.A.
District Educational Officer, J. Ganesh Rao, B.A., L.T.
Executive Engineer, S. H. Abhyankar, B.E., M.I.E.
Treasury Officer, W. E. Albert.

LEGISLATIVE ASSEMBLY

(For list of members see under General Elections.)

HIMACHAL PRADESH

Area: 10,451 sq. miles. Population: 983,367; Capital: Simla, Strength of Legislative Assembly: 36

The new State of Himachal Pradesh comprises 21 former Punjab Hill States and their 9 tributaries. The 21 States are Baghal, Baghat, Balsam, Bushahr, Bhujji, Bija, Chamba, Dargoti, Dhani, Jubbal, Keonthal, Kumarsain, Kumar, Kuthar, Mahlog, Mandi, Mangal, Sangan, Simmur, Suket and Tharoch.

The 9 tributaries are Delath, Dhadi, Ghund, Khanell, Koti, Madhan, Ratesh, Rawingarh and Theog.

The State came into being on April 15, 1948, the consolidation has been achieved with the full agreement and support of the Rulers and the people.

Himachal Pradesh lies between North Latitude 30° 30' and 33° 10' and East Longitude 75° 55' and 79° 50'. It is bounded on the north by the Jammu and Kashmir State, on the south by Tehri-Garhwal and Dehra Dun Districts of Uttar Pradesh and the Ambala District of Punjab, on the west by Ambala, Hoshiarpur and Kangra. On the east the boundaries are undefined.

The State is divided into four administrative districts, Mahasu, Simmur, Mandi and Chamba.

Mahasu District has a population of (1951) 330,614 and is divided into two sub-divisions, Rampur and Jubbal. The Rampur sub-division contains the Tehsils of Rampur, Rohru, Chini, and the Jubbal sub-division contains the Tehsils of Jubbal, Chaupal, Theog, Junga, Arki and Solan and the sub-Tehsils of Kumarsain, Kasumptet, Sunni and Kotkhai.

Simmur District has a population of (1951) 106,077 and is divided into four Tehsils, Nahan, Pachhad, Raikma and Paonta.

Mandi District has a population of (1951) 310,626 and contains the Tehsils of Sadar (Mandi), Karsog, Sundernagar, Jogindernagar, Sarkaghat, Chachlot and the sub-Tehsil of Dehar.

Chamba District has a population of (1951) 176,050 and is divided into the Tehsils of Chamba, Chura and Bhattiyat.

ECONOMY

The main agricultural wealth of the State consists in potatoes and fruits such as apple, peach, almond, nuts, pomegranate. Salt is another important item, while forests yield timber, fire-wood and charcoal. Handicrafts which include Pashmina shawls, wool of fine quality, resin, herbs, musk and skins are a third source of income.

Himachal Pradesh forests supply the largest quantities of coniferous timber in Northern India. They are the main source of revenue in the State, the estimated annual revenue being Rs. 70,41,000. The forests are also useful in ensuring the safety of the catchment areas

of the Jumna, Sutlej, Beas, Ravi and Chenab Rivers. On the protection of these catchment areas depends the steady and constant flow of water in these rivers, and the success of irrigation and engineering works in the plains. For purposes of forests utilization the State has been divided into twelve territorial forest divisions, viz., Chamba, Churaha, Mandi, Nauchan, Suket, Jubbal, Simla, Solan, Nahan, Rajgarh, Upper and Lower Bushahr.

Potato is the chief cash crop. The State has established itself as a vital source of potatoes, especially seed potatoes for the plains of India. It exports nearly 5½ lakh maunds of potatoes annually out of which over 3½ lakh maunds are directly utilised as seed potatoes.

For 1953-54, budget estimates provide for revenue receipts of 174.5 lakhs and expenditure Rs. 290.1 lakhs, thus leaving a deficit of Rs. 111.15 lakhs.

GOVERNMENT

When the State was first formed it was administered from the Centre. It had an Advisory Council of 9 members constituted to advise the Chief Commissioner in the discharge of his functions. Of these 9 members, 3 were the representatives of the Rulers of the former States which have been integrated in the Himachal Pradesh and 6 were popular representatives.

After the general elections the Advisory Council was abolished and a responsible ministry was set up to advise the Lieutenant-Governor.

In a legislature of 36 members the Congress has 28 seats.

ADMINISTRATION

Lieutenant-Governor, Maj.-Gen. Hummat Singhji
Chief Minister, Gen. Adm., Finance, Revenue, Excise, Forest, Agriculture, Animal Husbandry, Legislative Assembly, Justice and Law, Information, Dr. Vashwant Singh Parmar
Police, Jail, Planning, Development, Education, Co-operatives, Panchayats, Industries, Civil Supplies, Pandit Padam Dev.
P.W.D., Medical, Public Health, Local Self-Govt., Transport, Gouri Prasad

Chief Secretary, K. L. Mehta
Secretary, Finance, D. P. Roodon
Development Secretary cum Development Commissioner, M. M. Chibha
Judicial Secretary, Mahesh Chander
Assistant Secretary, Judicial, Chet Ram
Assistant Secretary (General) and Chief Electoral Officer, Himachal Pradesh, Indar Sen
Assistant Secretary (Home and Revenue), Raghubir Singh
Assistant Secretary (Political), Pt. Raj Mahajan

Secretary to Lieutenant-Governor and Custodian, Evacuee Property, Himachal Pradesh, H. L. Soni.
Judicial Commissioner, R. K. Choudhry
Inspector-General of Police, Ashwant Kumar
Chief Conservator of Forests, J. Singh
Director of Health Services, Dr. (Mrs.) A. C. Parmar
Dy. Director, Education, S. N. Sehgal
Chief Engineer, G. R. Nangia
Chief Electoral Officer, Indar Sen
Asstt. Director of Health Services, Dr. D. R. Mehta.

Deputy Commissioner, Mahasu, S. C. Singha
Deputy Commissioner, Mandi, R. G. Abbi
Deputy Commissioner, Simmur, Kedar Singh.
Deputy Commissioner, Chamba, A. Kumar.
Director of Industries and Civil Supplies, Ram Lal
Registrar, Judicial Commissioner's Court, Om Prakash.

Registrar, Co-operative Societies, H. R. Joshi.
Officer on Special Duty, R. S. Bhandari.
Dist. and Sessions Judge, Mahasu, Simmu, Tej Singh.
Dist. and Sessions Judge, Mandi, Chamba, Ramji Dass.

LEGISLATIVE ASSEMBLY

(For list of members see under General Elections.)

KUTCH

Capital: Bhuj

Kutch was integrated with the Indian Republic as a Chief Commissioner's State on June 1, 1948.

The State has a land area of 10,724 sq. miles. The population is 567,606 (1951 census).

The State is bounded on the north and the north-west by Sind (Pakistan); on the east by North Gujarat, on the south by Saurashtra, and on the west and south-west by the Indian Ocean.

The capital of the State is Bhuj, founded in 1549.

There is a fair proportion of good cultivable land in Kutch, the principal crops being bajra, wheat, barley and cotton. Irrigation is also well developed with 46 reservoirs irrigating a land area of about 75,000 acres. Of the 11 irrigation dams under the first Five-Year Plan, six will be ready shortly and the remaining are under various stages of completion. This will increase the area of irrigated land by 67,800 acres. It is expected that by the end of 1955-56, the total area of irrigated land would be increased by 1,00,519 acres of land raising the production of foodgrains by 30,000 tons and fodder by 50,000 tons. Work on 10 new tanks started during 1954.

The State is rich in gypsum, clays and limestone, and has large deposits of lignite, alum, marble and ochres.

The main occupation of the people apart from agriculture and cattle rearing are embroidery and silver work, which are well-known for their beauty.

Kutchis are an enterprising and sea-faring people. Over six lakhs of Kutchis are distributed in principal cities of India and over 10,000 are abroad.

The currency of the State which in the past was reckoned in Koties was demonetised on April 26, 1949 when Indian currency was introduced.

The main items of export are salt, cotton, wool, castor seeds, bones, hides, skins and fish. The main items of import are foodgrains, oil seeds, cloth, condiments, etc.

The land revenue system has been changed from crop sharing to *adhoe* (Vigot), thus providing a rational basis for Government revenue. The question of taxation of alienated land and thus gradually abolishing the Jagirdari system is under the consideration of the Government of India.

New weights and measures under the Bombay Weights and Measures Act, 1932 were introduced in October 1950.

Efforts are being made for the expansion of education in the State. There are eight High Schools with 2,600 students, 13 middle schools with 2,090 students, 294 primary schools with 21,500 students, and 355 unrecognised primary schools for boys and 135 for girls. There are also an Art School, a training school for teachers, a school for the blind and an agriculture school and about 40 adult education centres. The total number of students in all these schools is about 53,000. From this year an Intermediate Arts and Science College with 150 students, has been started. Primary and secondary education is free. The State has a programme for opening five new schools every year. It is proposed to open a Technical School this year.

Free medical relief is available in Kutch. There are 6 hospitals, 15 dispensaries and 2 maternity homes run by the Government. There are 7 private hospitals and 31 dispensaries. There is also one T.B. Sanatorium run by private efforts and will soon be taken over by the Government. A T.B. Clinic is run by private practitioners at Mandvi. Two mobile dispensaries have been started for medical relief to village people and two more will be added shortly. Under the Five-Year Plan a General

Hospital at Bhuj, an Eye Hospital at Mandvi, a Mental Hospital at Bhuj and five mobile dispensaries are envisaged. B.C.G. Vaccination programme is being carried out. A Public Health Department has been opened. A provision of Rs. 10 lakhs has been accepted for public health activities in the State. The scheme consists of anti-malaria measures, distribution of multi-vitamin tablets, opening of milk and fruit centres for children, publicity and propaganda.

The chief means of communication is by sea. Goods are carried by country craft, the chief import and export centres being Mandvi, Tuna and Kandla. The State has a modern port at Kandla with a natural harbour. The Government of India have decided to develop Kandla as a major port and the minor ports of Mandvi, Mundra, Jakhn, Koteswar and Lakhpur. The metre gauge railway between Kandla and Dresa was declared open by President Dr. Rajendra Prasad in October 1952, thus linking Kutch with the hinterland of North India and Rajasthan.

296 villages, each having a population of over 500 are served by the Kutch State Motor Service on 45 different routes covering an area of 1,218 sq miles in 8,249 sq miles of habitable area in Kutch.

The estimated revenue for the year 1953-54 was Rs. 37,48,000 and revenue expenditure Rs. 1,57,50,000.

Kutch is a Part C State administered by a Chief Commissioner assisted by a Council of two Advisers inaugurated on 27th July 1952. Kutch has no Legislative Assembly of its own. It is represented in the Indian Parliament by two members in the House of the People and one member in the Council of States. The latter is elected by an Electoral College consisting of 30 members under the Representation of Peoples Act. Steps are being taken to bring the administration of the State in line with other States. Most of the departments have recently been re-organised and the scales of pay revised on the Bombay lines. Suitable rules for recruitment to services are under formation.

The electoral college formed after the general election has a strength of 30. Out of this 28 members belong to the Congress.

President, Chief Commissioner.

COUNCIL OF ADVISERS

Members, P. B. Thacker and J. G. Vaidya.

ADMINISTRATIVE PERSONNEL

Chief Commissioner, S. A. Ghatge.
Judicial Commissioner, N. C. Vakil.
Chief Secretary to the Govt., B. G. Khabade.
Collector and Dt. Magistrate, T. M. Seth.
Dt. and Sessions Judge, M. D. Maneke.
Addl. Dt. and Sessions Judge, K. H. Desai.
Settlement Officer, B. K. Pandya.
Principal Engineering Officer, H. M. Antani.
State Engineer, P. K. Vora.
Dt. Supdt. of Police, K. S. Hiraslingh.
Chief Medical Officer, Dr. K. T. Taskar.
Accounts Officer, M. H. Dholakia.
Education Officer, R. Shah.
Agricultural Officer, Smt. B. R. Shah.
Secretaries to the Chief Commissioner, K. V. Bhatt, S. B. Patil.
Asstt. Secretary to the Chief Commissioner, P. S. Mankad.
Project Executive Officer, H. C. Jethi.
Statistics, B. P. Rao.
 Dy. Registrar of Co-op. Societies, L. A. Budhecha.

1951 CENSUS*

	Males	Females	Total
Bhuj City ..	14,692	15,840	30,532
Mandvi Town ..	13,861	15,427	29,288
Anjar Town ..	9,435	9,869	19,304
Mundra Town ..	3,523	4,195	7,718
Bhuj District ..	26,347	29,829	56,176
Mandvi District ..	30,909	38,748	69,657
Anjar District ..	28,143	28,358	56,501
Mundra District ..	20,081	24,706	44,786
Bhachau District ..	22,805	22,906	45,711
Rapar District ..	30,273	34,209	70,542
Abdasa District ..	25,397	28,817	54,214
Nakhtrana Dist.	25,045	30,158	55,203
Lakhpur Dist.	6,007	6,133	12,140
Banni Mahal Dist.	1,524	1,433	2,957
Khavda Mahal Dist.	3,588	3,302	6,890
Khadr Mahal Dist.	1,207	1,038	2,245
Adhol Mahal Dist.	3,602	3,775	7,437
Military ..	803	100	903
Total ..	273,342	294,462	567,804

MANIPUR

Area 8,628 sq miles, Population 577,635, Capital Imphal; Strength of Electoral College 30.

Manipur bounded on the east and south by Burma and on the north and west by the Naga Hills and Cachar District of Assam, is a highly strategic State on the eastern frontier of India. Two land routes from Burma pass through its territory. It was formally proclaimed a Chief Commissioner's Province of the Indian Union on the 15th of October, 1949, and it is now a Part C State.

In the Electoral College formed after the General Elections there are 10 Congress members, All Manipur National Union 2, Praja Shanti Party 3, Kuki National Union 2, Achumba Pamba Congress 2, Communists 2, Mao Maran Union 2, Socialist Party one, Gandhi Sevak Sabha one, Manipur Zeliangrong Union 2, Mizo Union one, Independents one. The total strength of the College is 30.

It was reported later that the strength of the Congress party had increased to 13.

The State has a population of 577,635 (1951 census) and an area of 8,628 square miles. The density of the population is 67. Seven hundred square miles of the area form a central valley, 2,600 feet above sea-level, which is shut in on all sides by extensive hill tracts covering the rest of the State with hill stations as high as 6,000 feet above sea-level. The climate varies from temperate in the valley to cold in the high stations in the hills. The rainfall on the average is 65 inches in the year.

The main population is "Meiteis" inhabiting the valley with some 40 tribes and sub-tribes known by the generic names of Nagas and Kukis. Though a number of different dialects are spoken in the State, Manipuri and English are the official languages. The people are carefree and healthy, with a passion for religious festivals involving community dances in which both sexes join.

There are about 1,783 refugees.

The soil is fertile. Rice is the principal crop of which Manipur exports a fair quantity. Handloom weaving is a popular industry throughout the State and Manipuri cloth of various picturesque and indigenous designs, is in demand throughout India and even outside.

The administrative machinery under the former State Government was archaic and ineffective and has therefore been reorganised.

The Budget figures for Income and Expenditure for 1953-54 are Rs. 34,66,000 and Rs. 1,05,44,200 respectively.

The Planning Commission have tentatively accepted a ceiling of Rs. 15 crores for the following Development schemes in Manipur

under the Five-Year Plan. They are Forest Development scheme, Medical Development scheme, Agricultural Development scheme, Veterinary and Animal Husbandry Development scheme, Education Development scheme and Communication Development scheme. Over and above the aforesaid schemes, the following schemes are also contemplated to be taken up under the Five-Year Plan, namely Hydro-Electric Supply scheme, Water Supply scheme for the town of Imphal and rural water supply scheme. Most of the schemes are now in progress.

ADMINISTRATIVE PERSONNEL

Chief Commissioner and District Magistrate, R. P. Bhargava, I.C.S.
Advisers, Dwijamani Deb Sharma; S. Krishnamohan Singh, A. Dalho, L. Kampu, S. Tombl Singh.
Secretary, Revenue and Finance Departments, P. C. Deb.
Secretary, Home and Development Departments, T. Kippen.
Assistant Secretary, Finance, T. Kalachand Singh.
Assistant Secretary, Home and Publicity Officer, S. Gourahari Singh.
Judicial Commissioner, Thakur Lavminarain.
District and Sessions Judge, L. Bhugolal Singh.
Deputy Commissioner and District Magistrate, M. N. Phukan.
Superintendent of Police, S. Palit, I.P.S.
Commandant, Manipur Rifles, B. D. Dain.
Chief Medical Officer, A. C. Kapoor.
Registrar of Co-operative Societies and Director of Industries, H. Bishahari Singh.
Principal Engineering Officer, A. Tombl Singh.
Agricultural Officer, Udhob Singh.
Electrical Engineer, M. Brojmoni Sharma.
Manager, Manipur State Transport, Kh. Budha Singh.
Inspector of Schools, K. Goura Singh.
Principal, Dhananjanuri College, S. N. Chatterjee.
Administrative Officer (Claims), U. C. Deka.
Project Executive Officer, M. Radheshyam.

TRIPURA

Tripura is one of the oldest Hindu States in India. It is bounded on the north by Sylhet and Cachar Districts, on the west by Sylhet, Tipperah and Noakhali Districts, on the south by the Chittagong and Noakhali Districts and on the east by Lushai and Chittagong Hill tracts. The major portion of the State is hilly and full of jungles.

The area of the State is 4,032 sq. miles, and the population according to the 1951 census 639,029. The increase over 1941 was 24.56 per cent. The number of refugees was 101,200. Hence the net increase is only 4.84 per cent. Today the density is 158 while in 1941 it was 124.

The agricultural wealth of the State consists of paddy, jute, cotton, tea and fruit such as pineapple, jackfruit, etc., while forests yield timber, firewood and charcoal. Paddy is the main source of revenue.

The State is divided into ten administrative Divisions—Sadar, Khowai, Kailashahar, Dharmanagar, Sonamura, Udaypur, Belonia, Sabroom, Kamalpur and Amarapur.

Sadar Division has a population of 223,416 (1951) and is divided into ten Tahsils—Sadar, Purnanagar, Bamutia, Mohanpur, Shma, Ishenchandranagar, Kamalagar, Takarjala, Bishahar, Charlam.

Khowai Division has a population of 55,560 and is divided into three Tahsils—Khowai, Kalyanpur and Asharambari.

Kailashahar Division has a population of 75,266 and is divided into three Tahsils—Kailashahar, Fatikroy and Kanchanpur.

Dharmanagar Division has a population of 65,903 and is divided into four Tahsils—Dharmanagar, Brojendranagar, Kurl and Longal.

Sonamura Division has a population of 44,544 and is divided into five Tahsils—Sonamura, Khatla, Bakhanagar, Dhanpur and Mantinagar.

* Provisional totals. Final totals for Bhuj city 30,985; and for Mandvi 29,305.

Udaypur Division has a population of 58,577 and is divided into two Tahsils—Radhakishorepore and Saigarah.

Belonia Division has a population of 40,209 and is divided into seven Tahsils—Belonia, Rajnagar, Radhanagar, Purnarajbari, Sidhinaragar, Hrishyamukh and Muhuripur.

Sabroom Division has a population of 23,680 and is divided into five Tahsils—Sabroom, Manu, Amilghat, Samarendranagar and Gorakapa.

Kamulpur Division has a population of 30,373 and is divided into two Tahsils—Kamulpur and Kulai.

Amarpur Division has a population of 21,602 and is divided into three Tahsils—Birganj, Omphi and Dumboornagar.

The Chief Commissioner who is the head of the State, is assisted by a Council of three Advisers and three Secretaries, each in charge of several Departments.

There is also a District Magistrate, and for each of the Divisions an S.D.O. On the judicial side there is a Judicial Commissioner's Court which is the highest court in the State. There is also a District Court, and in seven out of the ten Divisions a Munsif Court.

The Electoral College has a total strength of 30. Out of this the Congress won 9 seats, Communists 12, Ganatantrik Sangh 3 and Independents 6.

ADMINISTRATION

Chief Commissioner, V. Nanjappa, I.C.S.
Council of Advisers, S. L. Singh, J. M. Deb Barma; S. Sen Gupta.

Chief Secretary, B. Das.

District Magistrate, R. Ghosh, I.A.S.

Secretaries, R. K. Dev Varma, N. L. Dev Varma; S. C. Ghosh, B.L.

Dy. Secretaries, P. K. Dev Varma; H. K. Deb Barma, B.A.

Assistant Secretaries, C. R. Bhattacharjee, B.L.; D. C. Dutta.

Director of Health Services, H. P. Banerjee.

Director of Agriculture, Vacant.

Director, Relief & Rehabilitation, P. C. Majumdar.

Director of Civil Supply and Procurement, H. S. Deb Barma.

Div. Forest Officer, N. C. Bhattacharjee.

Principal Engr. Officer, A. K. Sen, B.E.

Superintendent of Police, P. N. Banerjee.

Commandant, Armed Police Bn, Major H. K. Deb Barma.

Legal Remembrancer, R. N. Singhal.

Registrar, Tripura Secretariat, B. K. Sen Gupta.

Superintendent of Press, B. C. De.

Inspector of Schools, S. K. Dutta, B.Sc., B.T.

Statistical Officer, C. Paul, M.Com.

Labour Officer, B. C. Halder, B.L.

Dir. of Edn., Dr. J. C. Das Gupta.

Publicity Officer, K. P. Dutt, M.A.

Judicial Commissioner, T. L. Narain.

Dt. Judge, U. Gupta, M.A., B.L.

VINDHYA PRADESH

Capital: Rewa.

Vindhya Pradesh lies between 20° 30' and 26° 15' N. latitude and 78° 15' and 82° 50' E. longitude. It now includes 25 Baghelkhand and Bundelkhand States of which Rewa is the biggest. The States besides Rewa are: Ajalgarh, Baraundha, Bijawar, Chhatarpur, Charkhari, Datia, Maihar, Nagod, Orchha, Panna (Salute States) and Alipura, Bhalsunda, Garrauli, Gaurihar, Jaso, Kamta Rajaula, Khanladhana, Kothi, Nalgawan-Babal, Pahra, Paldeo, Sohawal, Tarson (Non-salute States).

Originally Vindhya Pradesh was composed of 35 States of which the following 10 were transferred to Uttar Pradesh on 25th January 1950: Samthar, Sarila, Jigni, Bihat, Banka Pahari, Baoni, Beri, Dhurwal, Tori Fatehpur and Bijna.

Vindhya Pradesh lies between Uttar Pradesh in the north and east and Madhya Pradesh in the south. On the west lies Madhya Bharat.

The population of the State is 3,574,690 according to the 1951 census, and the area 23,604 square miles. Hindus form an overwhelming majority of the population. The

languages spoken are Hindi and dialects called Baghelkhandi and Bundelkhandi. The main occupation of the people is agriculture and forestry. The capital of the State is Rewa.

There are 8 districts sub-divided into 26 Tahsils. Formerly Rewa, Satna, Shahdol and Sidhi districts formed Baghelkhand Division, while Bundelkhand Division comprised the districts of Datia, Tikamgarh, Chhatarpur and Panna, each Division being under a Commissioner but now all the districts are under a Commissioner with Headquarters at Nowgong.

The following table gives the population of each of the districts according to the 1951 census:

Name of District	Population according to 1951 census
Rewa	633,706
Satna	555,603
Sidhi	484,302
Shahdol	650,757
Panna	258,703
Chhatarpur	481,140
Tikamgarh	366,165
Datia	164,314

The soil is poor and bears only average crops. Wheat, Gram, Barley, Linseed, etc., are grown in the spring and Rice, Maize, Saman, Kodon, Cotton, Bajra, etc., in the autumn. Irrigation is mainly by bands and wells.

MINERALS

Vindhya Pradesh has large mineral resources. The State is richly endowed with coal in Sidhi and Shahdol districts, and building stone and limestone in Satna district. Large deposits of Corundum are found in the Sidhi District. The diamonds of Panna are well known. Other minerals and raw materials of economic importance are iron ore, copper ore, lead ore, yellow ochre, fireclay, and bauxite.

Mines of sillimanite, quartz and felspar, barytes, glass-sand and manganese ore are also found in the State. There are good prospects for the manufacture of cement, glass, paper, aluminium, heavy chemicals and synthetic petrol.

Seven collieries are at present working in the State. A few of them are electrified and are worked on up-to-date lines.

Eighteen lime manufacturing companies all in Satna district produce rich lime which is supplied throughout India and thousands of workers are engaged in the industry.

Up-to-date machines have been installed in the diamond works of Messrs Panna Diamond Mining Syndicate. It is capable of handling 250 tons of ore in an eight-hour day.

FORESTS

There are extensive forests which produce excellent timber. Enough bamboos and bagal grass are also available for making paper pulp. Tender leaves for making khils are also found in abundance. There is a shellac factory at Umaria in Shahdol District.

The jungles in the south-east are famous for their big games. Tigers are found in considerable numbers, as also bears, panthers and wild buffaloes while Sambhar, Chikara and Raj abound.

COMMUNICATIONS

The State is not well served by railways and communication is mostly by road. Satna (32 miles) is the railway station for Rewa, the capital of the State, and is situated on the Central Railway. Another section of the Central Railway between Manikpur and Jhansi passes through a few villages in the former Bundelkhand Division. The Katni-Bilaspur section of the Eastern Railway passes through the southern district (Shahdol) for a distance of 138 miles.

There are not many metalled roads, and parts in the interior are sometimes cut off from one another during the monsoon. All the district towns are connected by road.

ARCHAEOLOGY

There are a number of places of archaeological interest in the State, chief among them being the Khajuraho and Orchha temples, the Bandhogarh Fort, Chandreha temple, Nanda caves, Bir Singh Palace, Datia, Jahangir Mahal with a flower garden at Orchha, the source of the Narbada River at Amarkantak, and the Jain temples at Sonagir, Bharhut, Silahera and Ahar. There are numerous waterfalls the most picturesque among them being the Chachal and Keoti in the old Rewa State.

EDUCATION

There is one Post-Graduate College which also conducts Law Classes at Rewa, one Degree College at Chhatarpur, two Intermediate Colleges at Tikamgarh and Satna, 33 High Schools, 199 A. V. M. Schools, and about 2,008 Primary Schools, three Teachers' Training Schools, a Technical Institute, a Polytechnic, an Agricultural Institute and a Leather Training Institute. In addition there are 12 Night Schools. The approximate number of students in the educational institutions is 1 lakh.

For 1953-54 budget estimated receipts including Central Govt. grant were Rs 4,39,60,400 and expenditure Rs. 4,39,40,400 thus leaving a surplus of Rs. 11,000.

Gandhi Memorial Hospital equipped with up-to-date instruments with an investment of about 30 lakhs has been opened at Rewa.

A separate Department for the welfare of Scheduled Castes, Scheduled Tribes and other Backward Classes has been started for the amelioration of the conditions of these classes. A separate Department for Information and Publicity too is functioning.

POLITICAL SET-UP

Vindhya Pradesh became a Centrally administered area under a Chief Commissioner on January 1, 1950 and is now listed as a Part C State under the new Constitution and is being governed by a Lieutenant-Governor since March, 1952.

In accordance with the provisions of Government Part C States Act, 1951, a Vindhya Pradesh Legislature consisting of 60 members has been formed.

There is a Judicial Commissioner's Court presided over by a Judicial Commissioner and assisted by one Additional Judicial Commissioner.

ADMINISTRATIVE PERSONNEL

Lieutenant-Governor, K. Santhanam.

Chief Minister, Shambhoo Nath Shukla.

Minister for Justice and Planning, Gopal Saran Singh.

Minister for Home, Lala Ram Bajpai.

Minister for Industries & Civil Supplies, Dan Bahadur Singh.

Minister for Finance and Social Services, Mahendra Kumar Manav.

Chief Secretary, M. P. Shrivastava, I.A.S.

Secretary to Lt. Governor, S. L. Dang.

Judicial Commissioner, H. R. Krishnan, I.C.S.

Additional Judicial Commissioner, Pancholi Chhatar Singh, B.A., LL.B.

Comptroller, N. K. Bhattacharya.

Inspector-General of Police, Baleshwar Prasad, I.P.

Finance Secretary, M. S. Venkatram.

Judicial Secretary, S. D. Khare.

Revenue Secretary, K. C. Tewari.

Secretary, Development and Social Services Department, K. Chowdhury, I.A.S.

Joint Secretary, G.A.D., P. D. Chatterji, B.A.

Deputy Secretary, Commerce and Industries, R. D. Singh, M.A.

Deputy Secretary, Revenue, M. P. Goswami, M.A., LL.B.

Deputy Secretary, Home, R. N. Mishra, M.A.

Deputy Secretary, Judicial Department, Gauri Prasad.

Senior Member, Board of Revenue, Kanahiya Lal Pancholy, I.A.S.

Director of Medical and Health Services (also

Inspector-General of Prisons) and Ex-officio

Joint Secretary to Government, Col. V. Shrinivasan, M.B.E.S., L.R.O.P., M.S.C.P., F.R.C.S.

Director of Education and Ex-officio Joint Secretary to Government, Dr. A. P. Mathur, M.Sc., D.Sc., I.P.

Director of Agriculture and Ex-officio Joint Secretary to Government, Sultan Singh, I.A.G., B.Sc. (Agril.)

Director of Food and Civil Supplies and Ex-officio Joint Secretary to Government in Revenue Department, Kahi Charan Towari, M.Sc., LL.B. Development Commissioner, T. C. Gue, B.Sc., B.A., M.I.E. (India)

Chief Conservator of Forests, D. D. Saigal, I.F.S. Principal Engineering Officer, Krishna, B.Sc., B.E. Chief Electrical Engineer, V. N. Shrivastava, B.Sc. (Eng.), M.I.E.E. (Japan)

Commissioner, Bundelkhand and Baghelkhand Divisions, N. K. Dubey, M.A. Deputy Commissioner, Rewa, M. P. Shrivastava, M.A., LL.B.

Deputy Commissioner, Panna, P. K. Chakravarty, I.A.S. Deputy Commissioner, Shahdol, J. K. Chowdhary, I.A.S.

Deputy Commissioner, Satna, M. N. Zutshi, B.A., LL.B. Deputy Commissioner, Tikamgarh, N. P. Dixit, B.A., LL.B.

Deputy Commissioner, Chhatarpur, Narendra Nath, B.A., LL.B. Deputy Commissioner, Sidha, Ram Nath Singh, M.A., LL.B.

Deputy Commissioner, Datia, Raghvendra Pd., B.Sc., LL.B. Officer on Special Duty, Revenue Department, A. K. Tankha, B.Sc.

Chief Animal Husbandry Officer, Capt. N. G. Tyengar, C.B.V.C. (Bom).

Community Project Officer, W. B. Kelkar, M.A., LL.B. Irrigation Engineer, S. S. Chowdhary.

Registrar, Co-operative Societies, Kedar Nath Dubey, M.A., LL.B. Information and Publicity Officer, V. N. Mishra, M.A., Sahitya Shastri.

Backward Classes Welfare Officer, Fateh Bir Bahadur, M.A. Principal, Darbar College, Rewa, Dr. J. K. Das

Gupta, M.A., Ph.D. (Lond.) Principal, Mahantia College, Chhatarpur, Dr. Hari Ram Mishra, M.A., D.Litt.

Land Reforms Commissioner, Jagannath Pd. Tripathi

LEGISLATIVE ASSEMBLY

(For members of Assembly see under General Election.)

TRADES & PROFESSIONS IN AJMER

BHARGAVA BROTHERS, Madargate, Ajmer; Wholesale General Merchants, Commission Agents and Chemists; Sole Agents: Grahms Trading Co. (India) Ltd., for Atlantis and Rowntree products in Rajasthan and for Ovaltine in Jodhpur and Bikaner Divisions.

FRAMROZ N. CONTRACTOR, Beawar Road, Ajmer, Wine Merchants, Commission Agents and Manufacturers' Representatives; Representatives required from Indian Distilleries for Indian made foreign Liquors and also imported Liquors; Phone: 337; Grams: "FRAMBAR."

FRAMBAR & RESTAURANT, Ajmer, Prop.: E. N. Contractors; Wine Merchants, Caterers, Manufacturers of Syrups and Standard Aerated Waters; Phone: 337; Grams: "FRAMBAR."

J. S. MEHTA & BROS. (Prop.: G. M. Mehta), Sarai Chisty Chaman, Station Road, Ajmer; Dealers in General Merchandise, Gramophones, Records, Watches, Banjos and Harmoniums.

K. J. MEHTA & BROS., Radios and Gramophone Dealers and General Merchants; opp.: Railway Station, Ajmer; Dealers in Novelties, Presentation articles, Games, Toys, Electrical Household appliances.

KOHI NOOR WATCH CO., Prop.: Anshiram G. Abichandani, 6, Kutchery Road, Ajmer; Registered Dealers for Favre-Leuba & Co., Associated Watch Co.; and Ranjan Fans.

NEW DRAPERY HOUSE, Cloth, Wool & Hosiery Merchants, Kaiser Ganj, Ajmer.

NEW GENERAL STORES, Manufacturers, Representatives and Commission Agents, Beawar Road, Ajmer; Agents for Sterling Dairy Farm, Ahmedabad; The Central Hindustan Orange and Cold Storage Co., Ltd., Nagpur.

Telegram: "REWRKS"

Telephone: 118

RAJPUTANA ELECTRIC WORKS

Mechanical & Electrical Engineers & Contractors

KAISER GANJ, AJMER

Managing Agents: The Bundi Elec. Co. Ltd., The Jhalawar Transport Service Ltd., Ranjit Talkies, Bundi.

Proprietors: BRIJ ICE FACTORY, KOTAH IN
Sub-Agents: GREAVES COTTON & CROMPTON PARKINSON LTD.

Authorised Dealers: Philips Lamps Stockists: C.M.A. WIRES.
BURMAH-SHELL PETROL DEALERS FOR MANDAL & SHAHPUR

Proprietors: BRIJNARAIN BRAHMWAR
Manager: R. C. GOYAL

ROYAL BAR & RESTAURANT, Wholesale & Retail Wine and Liquor Dealers; opp.: Railway Station, Ajmer; Specialised in Aerated Water and Ice cream; Full meals served, Frigidaire Beer is available at all times.

SHARDA BROTHERS, Cloth Merchants & Cycle Dealers, H. O. Imperial Road, Ajmer; Branch: Mewari Bazar, Beawar.

TRADES & PROFESSIONS IN KUTCH

Abdool Husein Jafferji Sulmanji, Chemist and Druggist, Mandvi (Kutch).

Agaria Rajahusein Amralli & Co., Importers, Exporters and Commission Agents, Kutch (Mandvi).

Bhandari Jaaraj Rajpal, Timber Merchant, Mandvi (Kutch).

Chaturbhuj Narandas, Agriculture Expert, Props.: Union Brothers Flour Mills, Kutch (Mandvi).

Cutch Oil & Allied Industries (1949) Ltd. Kutch (Mandvi).

Dholakia Brothers, Manufacturers of Writing Inks and other toilet articles, Mandvi (Kutch).

Govindji Valji & Brothers, Mechanical Engineers, Repairers and Commission Agents, Mandvi (Kutch).

Gurjar Ice Factory, Ice Manufacturers, Engineers and Commission Agents, Mandvi (Kutch).

Hariram Karson, Import and Export Merchants, Commission Agents. Dealers: Hindustan Cars, Studebaker Cars & Trucks, Kutch (Mandvi).

Hariram Karson, Kutch (Mandvi).

Harji Lakhamsi, Timber Merchant, Mandvi (Kutch).

Jadavji Dhavji & Co., Iron and Hardware Merchants, Mandvi (Kutch).

Jayantilal Revashankar & Co., Direct Importers and Manufacturers' Representatives, Mundra (Kutch).

Kalyanji Shivji, Tobacco Merchant, Mandvi (Kutch).

Khoja Rajahusein Amralli & Co., Importers, Exporters and Commission Agents, Kutch (Mandvi).

Laxmidas Mulji & Brothers, Iron, Hardware and Paints Merchants, Mandvi (Kutch).

The Mandvi Engineering Company, Okhai Bazar, Kutch (Mandvi).

Mehta, Pitamber Sejpal, General Merchant and Commission Agent, Mandvi (Kutch).

Mehta, Ravilal Bhagvanji, Machinery and Timber Merchants, Mandvi (Kutch).

Mehta Soap Factory, Props.: Dwarkadas Rajji & Co., Kutch (Mandvi).

Merau Metal Works, Kutch (Mandvi).

Mohammadbhai Mulla Karimji Kathiwala, Cutlery Merchants, Bunder Road, Kutch (Mandvi).

Narottam Jannadas & Co., Importers, Exporters and Manufacturers' Representatives, Mandvi (Kutch).

Puri Brothers, Booksellers, News Agents and Manufacturers' Representatives, Mandvi (Kutch).

Ratansey & Co., Agents and General Merchants, Bunder Road, Mandvi (Kutch).

SANGHVI VENIDAS KESHAVJI & CO., General Merchants and Commission Agents, Anjar (Kutch).

Shah Bhogilal Shumbhulal & Co., Direct Importers of Watches and Clocks, General Merchants, Kutch (Mandvi).

Shah Jivraj Poonaja & Co., Merchants and Commission Agents, Kutch (Mandvi).

Shah Popatlal Hiralal & Co., General Merchants and Commission Agents, Mandvi (Kutch).

Shamji Mulji & Co., Patia Bazar, Mandvi (Kutch).

Thakkar, Popatlal Tejpal, Grain, Raskas and Oil Brokers, Kutch (Mandvi).

Vakil, D. B., & Co., Chemists and Druggists, Mundra (Kutch).

Vakil, D. B., & Co., Merchants and Manufacturers' Representatives, Mundra (Kutch).

Vakil, D. B., & Co., Dealers, Stationery, Motor Accessories and Chemicals, Mundra (Kutch).

Vithaldas Murarji Gandhi, Chemists and Druggists, Mandvi (Kutch).

DELHI

Area : 578 sq. miles ; Pop. 1,744,072 ; Hindus : 1,467,854 ; Sikhs : 137,098 ; Muslims : 99,501

Under the Constitution of India, Delhi is a Part 'C' State, responsibility for the administration of which, vests with the President. The President exercises control over the State through a Chief Commissioner appointed by him.

However, in accordance with the provisions of the Government of Part 'C' States Act, 1951, the State has a Legislative Assembly consisting of 48 members representing 36 single member constituencies and 6 double member constituencies. The Legislative Assembly has power to make laws in respect of the whole of the State or any part thereof with regard to all or any matter enumerated in the State List or Concurrent List in the VII Schedule to the Constitution, other than the following matters :—

(a) Public Order ; (b) Police including railway police ; (c) the Constitution and powers of municipal corporations and other local authorities, of improvement trusts and of water supply, drainage, electricity, transport and other public utility authorities in Delhi or New Delhi ; (d) lands and buildings vested in or in the possession of the Union which are situated in Delhi or New Delhi including all rights on or over such lands and buildings, the collection of rents therefrom and the transfer and alienation thereof ; (e) offences against laws with respect to any of the matters mentioned in the foregoing clauses ; (f) jurisdiction and powers of all courts, with respect to any of the said matters ; and (g) fees in respect of any of the said matters other than fees taken in any court.

Provided further that nothing shall derogate from the powers conferred on Parliament by the Constitution to make laws with respect to any matter for the State or any part thereof.

There is a Council of Ministers with the Chief Minister at the head to aid and advise the Chief Commissioner in the exercise of his functions in relation to matters with respect to which the Legislative Assembly has power to make law except in so far as he is required by any law to exercise any judicial or quasi-judicial functions.

The responsibility for the discharge of other functions of Government with respect to which the Legislative Assembly has no powers to make laws, vests in the Chief Commissioner, acting through the permanent Civil Services.

The State has one seat in the Council of States, and four seats in the House of the People. Of the latter, one seat is reserved for the Scheduled Castes.

In the Assembly of 48 members the Congress has 39 seats, Jan Sangh 4, Independents 2, Socialists 2, Hindu Mahasabha 1.

GREATER DELHI

Delhi State is really the size of a district. The majority of its population lives in the urban areas of Delhi with its suburbs, New Delhi and Shahdara.

The State is divided into a number of Municipal units (see below). The integration of the urban units into a Corporation was the subject of an enquiry in 1947.

A Corporation Act is due to come before Parliament according to which all the existing local bodies except those of New Delhi are to be merged into a Corporation.

The Greater Delhi area comprises the following administrative units :—(1) New Delhi Municipal Committee, (2) Delhi Municipal Committee, (3) Civil Lines Notified Area, (4) Red Fort Notified Area, (5) Delhi Cantonment, (6) West Delhi Notified Area, (7) Municipal Committee, Shahdara, (8) Notified Area Committee, Najafgarh, (9) Notified Area Committee Narela, (10) Notified Area Committee, Mahrauli, and (11) the rural area.

New Delhi is an inflated officers' colony. The density of the population which is thin consists largely of Government officials. The density is only 45 persons per acre, as against 500 or more in Old Delhi. Apart from the lack of transport facilities, there are not enough post offices, schools or colleges, hospitals, libraries or recreation grounds.

This is in striking contrast to Old Delhi which is amply provided with urban amenities though in a haphazard manner.

In order to accommodate an inflated population, the municipal authorities, with the help of the Central Government, embarked on the construction of numerous residential colonies in the immediate neighbourhood of Old and New Delhi. Most of these have their own shops, schools, hospitals and police stations.

The following is a list of refugee housing schemes which have either been completed or are nearing completion :—

(1) Rajendar Nagar (N.D.N.E. Area) ; (2) Patel Nagar (Shadijpur Extension) ; (3) Malkaganj ; (4) Nizamuddin Village ; (5) Nizamuddin Extension ; (6) Jungpura Village Extension ; (7) Kalkaji ; (8) Kingsway (Camp Mud houses, Hudson Lines, Outram Lines, Relds Barracks) ; (9) Band-stand Area ; (10) Lajpat Nagar ; (11) Sheikh Sarai and (12) Azadpur.

The main railway station is the junction at Old Delhi, from where radiate the railway lines to the Punjab, U. P., Bombay, Calcutta and Madras. The headquarters of the Northern Railway are located here.

INDUSTRY

The main industries are : cotton mills ; hand and powerloom weaving ; hosiery ; pottery ; flour mills ; vegetable oil mills and expellers ; paints and varnishes ; rubber goods ; imitation jewellery ; copper and brass utensils ; wire netting ; sola hats ; leather goods, and tanning industry.

Traders from neighbouring States regularly visit Delhi to make their annual purchases which include besides textiles, hardware, hosiery, utensils and stoneware.

There is also a very flourishing grain market, serving local needs.

As in all towns, different parts of Delhi specialize in different trades. The area round about Chandni Chowk for instance is the centre for textiles and general merchandise. The trade in copper and brass utensils is located in Chawri Bazar, which in addition has a market for hardware. Khari Bawli is the granary of Delhi with the adjoining streets specializing in condiments, spices, pickles, dry fruits, etc. Lal-Kuan Bazar is noted for building material, while Sadar Bazar deals in wholesale hosiery, glass and china-ware and general merchandise. Silver-ware is retailed in Dariba Kalan, while the bullion market is localized in Chandni Chowk.

All the important banks are located in Chandni Chowk.

Almost all these banks have their branches in Connaught Place which is New Delhi's chief shopping centre.

Tourist traffic has grown into a regular new trade. Almost all the Indian and foreign air companies have offices in New Delhi.

AGRICULTURE

Total land : 369,920 acres ; area under forests : 45 acres ; area not available for cultivation : 79,658 acres ; other uncultivated land excluding fallow land : 50,187 acres ; fallow land : 11,282 acres ; net area sown : 224,537 ; total irrigated area : 68,350 acres.

The following is a crop-wise break up of the area under food and cash crops :

Wheat, 51,000 acres ; Bajra, 55,000 acres ; Jawar, 27,000 acres ; Maize, 3,000 acres ; Barley, 14,000 acres ; Grams, 90,000 acres ; Sugarcane, 2,000 acres ; Rape and Mustard seed, 4,000 acres ; Cotton, 1,000 acres ; Tobacco, 1,000 acres.

Till recently, Delhi had a large number of gardens where fruit such as bananas, pears, mangoes, pomegranate, lokats, figs, papais, ester-fruit and plums were grown.

The pressure of population and anti-malaria drives resulted in clearing the land of these gardens.

Delhi now imports most of its fruits. But on large areas—a total of 4,000 acres—in and around the city vegetables are still grown.

The total number of holdings : 41,900.

The area held in occupancy rights amounts to 17,700 acres or one-thirteenth part of cultivated area, tenants at will hold about 71,000 acres.

It is estimated that there is one milch animal for every three or four persons. The average yield of a cow and buffalo comes to 2 seers and 4.2 seers respectively.

The annual average daily production of milk is estimated at 4,285 maunds.

There are about 20 poultry farms. It is believed about 140,000 eggs are daily imported into Delhi at an annual cost of Rs. 45 lakhs. A five-year scheme is in operation which aims at making Delhi self-sufficient in eggs.

The local consumption of fish is estimated at 150 maunds a day. Fish is at present imported.

The Community Projects scheme covers 105 villages. A sum of Rs. 20 lakhs has been allocated for a period of 3 years. Out of this 25 per cent will be contributed by the State Government and 75 per cent by the Centre.

TRANSPORT

Delhi occupies a pivotal point in the net-work of national railways, highways and airways.

It is one of the biggest railway junctions in the country handling about 23 mail, 28 express trains besides several goods and passenger trains every day.

All the principal inter-State roads of significance converge on Delhi.

It is also linked with important cities and foreign countries by air through its two air ports, Wellington and Palam.

There are in Delhi 30,000 motor vehicles, 600 cycle-rickshaws, over 150,000 bicycles, 5,000 tongas, 10,000 motor cycles, 1,500 carts.

HEALTH

Birth-rate : 29.4, death-rate : 9.61; Infant mortality : 89.93.

There are 31 hospitals providing indoor beds for over 2,000 patients. The average daily attendance is about 3,200.

Some leading hospitals are :

Mrs. Girdhari Lal Maternity Hospital, Circular Road, outside Ajmeri Gate; Hindu Rao Civil Hospital, the Ridge, Sabzi Mandi; Infectious Diseases Hospital, Kingsway; Irwin Hospital, Circular Road; Jeewan General Hospital, Panchkuin Road; Lady Hardinge Hospital, Panchkuin Road; St. Stephen's Missionary Maternity Hospital, Tis Hazari; Safdarjang Annexe Hospital, New Delhi; Shroff Charity Eye Hospital, Daryaganj; Silver Jubilee T.B. Hospital, Kingsway; Victoria Zenana Hospital, Machhliwalan, Daryaganj; Willingdon Hospital, Irwin Road.

Money allotted under the Five-Year Plan for medical development schemes : Rs. 142.41 lakhs.

Mortality from individual diseases is as follows (1952) : Small pox, 16; Malaria, 165; enteric fever, 205; dysentery 160; diarrhoea, 815; Pneumonia, 2,114; pulmonary tuberculosis, 463; other respiratory diseases, 735; diphtheria, 15, child birth, 55.

FIVE-YEAR PLAN

The details of expenditure in the Five-Year Plan are as follows :

	Rs lakhs.
Agriculture	63.6
Animal husbandry	9.4
Dairying and milk supply	4.9
Forests	2.2
Co-operation	6.3
Fisheries	2.6
Agriculture and Rural Development	89.0
Cottage Industries	7.3
Other Industries .. .. .	..
Industry	7.3
Roads	25.0
Road transport	216.0
Transport	241.0
Education	259.8
Medical	58.9
Public health	38.0
Housing	55.0
Labour and labour welfare	1.0
Social services	410.7
Total	748.0

PROGRESS OF DEVELOPMENT EXPENDITURE

Expenditure in 1950-51	51.4
According to 1951-52 Revised Budget	59.5
According to 1952-53 budget	120.6
	231.5

1951 CENSUS

Name of Local Body	Total Population		
	Males	Females	Total
Municipal Committee, Delhi	516,737	398,053	914,790
New Delhi Municipal Committee, New Delhi	156,801	110,713	276,314
N.A.C. Civil Station	47,220	33,748	80,972
N.A.C. Red Fort, Delhi	6,473	3,429	9,902
N.A.C. West, New Delhi	34,984	23,941	58,875
Executive Officer, Delhi Cantt.	26,931	13,458	40,389
Municipal Committee, Shahadara	16,842	13,660	30,502
N.A.C. Najafgarh	2,543	2,548	5,091
N.A.C. Narela	5,102	4,541	9,643
N.A.C. Mahrauli	3,786	3,657	7,443
Rural Area	—	—	306,938

Livelihood Categories

	Persons	Males	Females
Agricultural	172,186	91,183	81,003
Non-Agricultural	1,571,886	805,355	676,531
Livelihood Classes :			
Cultivators of land wholly or mainly owned and their dependents .. .. .	..	64,198	56,610
Cultivators of land wholly or mainly unowned and their dependents .. .. .	..	8,806	7,601
Cultivating labourers and their dependents .. .. .	..	15,287	13,908
Non-cultivating owners of land, agricultural rent receivers and their dependents .. .. .	..	2,811	2,704
Production other than cultivation .. .. .	..	177,312	124,785
Commerce .. .. .	..	220,401	175,760
Other Services and Miscellaneous sources .. .. .	..	442,580	335,881
Displaced persons in Delhi .. .. .	..	509,767	..

ADMINISTRATIVE PERSONNEL

Chief Commissioner, A. D. Pandit
 Chief Minister (General Administration, Finance, Local-self Government, Education, Appointments, Jails and Revenue), Brahm Prakash
 Rehabilitation, Medical and Public Health and Transport, Dr. Sushila Nayyar
 Rationing and Civil Supplies, Industries and Labour, Development and Planning, Law and Judiciary, Press and Publicity, Govt. Nath Aman
 Dy. Minister (Taxation, Stamps and Registration, Electricity and Public Works Department), Shiv Charan Das
 Dy. Minister (Education, Appointments and Jail), Shanta Vashist

Secretariat

Chief Secretary, L. J. Johnson
 Home Secretary, Y. N. Varma
 Education and Rehabilitation, Govind H. Seth
 Development Secretary, Dr. J. C. Ramchandani
 Judicial Secretary, M. L. Vigh
 Finance Secretary, D. S. Nakra.

Heads of Departments (Directors)

Medical and Public Health, Dr. M. S. Chaddha
 Education, Dr. A. N. Bannerjee
 Industries and Labour, Dr. B. R. Seth
 Information, Ramlal Varma

INSTITUTIONS, SOCIETIES

The following are some of educational training and research institutions

Jamia Millia, Kasturba Balika Vidyalaya (Mehrauli), Harijan Udyogshala (Harijan Colony, Kingsway), Janta College (Alipore), Lady Noyce School for Deaf and Dumb (near Rajghat), Government Teachers' Training Institute for Women (Daryaganj), Lady Reading Health School, Indian Agriculture Research Institute (Pusa Road), Shri Ram Institute for Industrial Research, Malaria Institute of India, Patel Chest Institute (University Campus), Delhi Institute for the Blind (Panchkuin Road).

COLLEGES

Central College of Agriculture, New Delhi.
 Central Institute of Education, Delhi
 Delhi Polytechnic, Delhi.
 College of Nursing, New Delhi.
 Delhi College, Delhi.
 Delhi School of Economics, Delhi
 Delhi School of Social Work, Delhi.
 Hansraj College, New Delhi.
 Hindu College, Delhi.
 Inderprastha College for Women, Delhi.
 Lady Hardinge Medical College, New Delhi.
 Lady Irwin College, New Delhi.
 Miranda House, Delhi.
 Nirmala College, Delhi.
 Ramjas College, Delhi.
 Shri Ram College of Commerce, Delhi.
 St. Stephen's College, Delhi.
 S. G. T. B. College, Karol Bagh, Delhi.

DELHI UNIVERSITY

The University of Delhi was established at Delhi in May 1922, to function as a unitary teaching and residential university, but as it exists at present it is a Federal University by an Amendment Act No. XXIV of 1948, to the Delhi University Act VIII of 1922. The University Act was further amended by Act No. V of 1952. The University has now been made a teaching and affiliating University.

The University confers the following Degrees and Diplomas on students on passing the appropriate examinations:

Degrees: Ph.D., M.A., M.Lib. Sc., M.Com., M.Sc., LL.M., LL.D., B.C.L., LL.B., M.Ed., B.Ed., B.A. (Hons.), B.A. (Pass), B.Sc. (Hons.), B.Sc. (Pass), B.Com., B.Sc. (Home Science), B.Sc. (Nursing), B.Sc. (Agriculture) Hons. and M.B.B.S. degrees, B. Ed., B. Ch. E., B. Text., B. Arch.

Diplomas: D.T.D., Mip. Lib. Sc., Diploma in Russian Language, Diploma in Hindi, Urdu and Panjabi, Diploma Course in Economic Statistics and Economic Administration.

Certificates: Certificate of Proficiency (Law), Certificate of Proficiency (Russian), Certificate in French, Certificate in German, Certificate in Italian.

Chancellor, Dr. S. Radhakrishnan.

Pro-Chancellor, Mr. Patanjali Sastri.

Vice-Chancellor, Dr. G. S. Mahajan.

Registrar, T. P. S. Iyer.

CENTRAL COLLEGE OF AGRICULTURE

I.A.R.I., New Delhi.

The college was established by the Government of India in April 1947 and provides a well planned training in Scientific Agriculture leading to the B.Sc. (Hons.) Agriculture degree of the Delhi University. It has been integrated with the I.A.R.I. since July, 1951.

Admission is open to students from Centrally administered areas; students of States having no Agricultural College; students from other States if seats are available; and Trainees deputed by Governments of other countries provided they fulfil the qualifications laid down for admission.

CENTRAL INSTITUTE OF EDUCATION

The Institute was founded on the 19th December 1947 as an all-India institution under the Central Ministry of Education, offering training particularly of an advanced nature to teachers and other educational personnel and for conducting researches in educational problems. It is affiliated to the University of Delhi for B.Ed., M.Ed. and Ph.D. degrees. Attached to it is a psychology wing with a well-equipped laboratory for conducting researches in psychology and education. There is also an experimental basic school, a nursery school and a child guidance centre. The Institute has its own hostels for men and women students. It is situated at 33, Probyn Road, Delhi-9 in its own newly constructed spacious building having ample library and laboratory facilities.

COLLEGE OF NURSING

The College of Nursing is located at 12, Jaswant Singh Road, New Delhi and was established by the Government of India in July, 1946 for the purpose of developing a more highly qualified leadership for the Nursing Profession in this country. It is hoped to give as fine a course in Nursing as can be had in foreign countries and make them suitable to Indian conditions. The College draws students from States throughout India. There is a 4-year course leading to the B.Sc. (Hons.) degree in Nursing. The College also provides a nine and a half months' course in Nursing Administration and teaching in Schools of nursing open to qualified nurses with experience and ability to fit them for senior and responsible positions and constructive work in hospital nursing services and education. This course leads to a certificate from the Government of India which is recognized by the All India Nursing Council.

DELHI COLLEGE

Delhi College is the oldest college in Delhi having been established in 1828. Since September 1947, it has been reorganised as a non-communal and a co-educational college affiliated with the Delhi University. It has arrangements for teaching all Science & Arts subjects upto the M.A., M.Sc., standard.

The College building is centrally situated at the junction of Old Delhi and New Delhi at Ajmeri Gate, on premises of its own.

DELHI POLYTECHNIC

The Delhi Polytechnic was started in 1941 by the Government of India with the object of providing technical and other training to different categories of personnel in order to enable them to take supervisory and higher posts in Industry and Commerce.

The senior full time day courses are mainly of 3 years' duration (5 years' Architecture and Arts) followed by one year's practical training leading to Polytechnic Diplomas or to the Diplomas of the

All-India Council for Technical Education in India. Similarly the evening courses, which are also of about 3 years' duration lead to the Polytechnic Certificate of All-India Board Certificates.

Senior departments include those of Engineering (Electrical and Mechanical), Applied Science, Chemical Technology, Commerce, Architecture, Art and Textile Technology.

Attached to the Polytechnic is a Technical High School in which, in addition to the usual high school subjects, Elementary Engineering, Science, Drawing and Workshop Practice are taught in the last 3 years.

DELHI SCHOOL OF ECONOMICS

This is an all-India institution which was established by the Delhi University and the Delhi School of Economics Society to concentrate on economic research in addition to undertaking some post-graduate teaching and guidance of research as in the University Department of Economics. The school is housed in the University's Faculty building situated on Probyn Road in the Delhi University Area.

Director: Dr. V. K. R. V. Rao, M.A., Ph.D. (Cantab.).

DELHI UNIVERSITY FACULTY OF LAW

The Law Faculty is housed in the Princes' Pavilion in the grounds of the Old Viceregal Lodge, Civil Lines, Delhi, and is situated in a picturesque site surrounded by trees, flower beds and green lawns. Extensive additions have been made to the building to cope with the increase in the number of the students and the staff. Recently a building named 'Maurice Bhawan' has been constructed for the Law Union. It has been built and equipped at a cost of Rs. 35,000. The building has one big hall, an office room, a store room and a small library room. The Faculty provides courses both for practice of the legal profession and also to encourage the non-professional study of Law as a cultural subject. It prepares students for the LL.B., B.C.L. and LL.M. Degrees, and also for the Certificate of Proficiency Examination. It has a well-equipped library containing a large number of reports and standard text-books (Indian, English and American); it also subscribes to a large number of journals including English and American. The Faculty has arrangements for the residence of its students in the two University Halls. Its present strength is 900 students, and 23 teachers, including the Dean.

HANS RAJ COLLEGE

The College was started in 1948, by the D.A.V. College Managing Committee and is housed in the airy and spacious rooms of a newly constructed building near Paharganj Police Station. The chief aim of the college is to inculcate among the students, the spirit of service and good citizenship and to develop qualities of leadership. The College which is affiliated with the University of Delhi imparts instruction in Science, and Arts to students preparing for preparatory B.A. (Pass and Hons.), B.Sc. (Pass and Hons.), and M.A. Examinations.

HINDU COLLEGE

This is a first grade constituent college of the Delhi University. It is situated on the Imperial Avenue within the University Campus. It imparts instruction to students upto the M. A. standard and registers candidates for the Ph.D. degree. It admits students to the Faculty of Science upto M.Sc. standard including the pre-medical course. It has a well-equipped library and reading room and has a hostel for resident students.

Principal: A. Bhattacharya, B.A. (Oxon.), M.A.

Librarian: Dr. S. N. Shastri, M.A., D.Phil., LL.B.

INDRAPRASTHA COLLEGE FOR WOMEN

This is an old college for women, recognised by the Delhi University. It imparts education in Arts upto the M.A. standard, and provides hostel accommodation for a limited number of resident students and also facility through bus conveyance for local students. The college building stands on Alipur Road in the Civil Lines area.

LADY HARDINGE MEDICAL COLLEGE FOR WOMEN

The college is situated on Hardinge Road, New Delhi and the hospital on Fanch Kuli Road. It was opened on 17th February, 1916 and provides a 5 years' course of instruction to women students only for the M.B.B.S. degree of the Delhi University. It is a residential college and has arrangements for accommodating 200 medical students in the college hostels. The hospital, which serves as a teaching field for the college students is well-equipped with X-ray, and Electrical appliances and has departments of Surgical, Obstetrical, Gynaecological and Ear, Eye, Nose and Throat for indoor and outdoor women and children patients only.

Principal: Cassell L. Birch, M.D.

LADY IRWIN COLLEGE FOR WOMEN

Lady Irwin College is the first Institution for young women in the country to recognise the necessity for scientific and professional instruction in Home Science suited to Indian conditions of life. It was established on November 10, 1932 and developed courses of study providing adequate training for girls to become capable wives, mothers and useful members of society as much as efficient teachers

of domestic science in girls' schools. The college is housed in its own premises with grounds round the buildings, which contain well-equipped lecture-rooms, laboratories, a Convocation Hall, a Library, a Hostel, the Directress's Bungalow, and the Household Practising Cottages.

Four departments are maintained at present (1) a Needlework Diploma Course extending over a period of 2 years, (2) a Teachers' Training Diploma Course in Home Science extending over a period of three years, (3) a B.Sc. Course in Home Science extending over a period of three years and (4) the B.Ed. course.

It also provides instruction in Vocal and Instrumental Music, Indian Dancing, Painting, Arts and Crafts, Shorthand and Typing. The college is situated on Sikandara Road, New Delhi.

Directress : Mrs. B. Tara Bai, B.A., L.T. & B.Sc. (Home-Science) (Lond.)

MIRANDA HOUSE (UNIVERSITY COLLEGE FOR WOMEN)

This college was started on 26th July 1948, for imparting University education to women students in all Arts subjects for the B.A., B.Sc. (Pass and Hons.), M.A. and M.Sc. degree courses. It is housed in a newly built building on Probyn Road near the Old Viceregal Lodge. It has arrangements for residential students, accommodating them in rooms furnished with up-to-date fittings and furniture.

RAMJAS COLLEGE

Ramjas College is at present located in Daryaganj.

The College was founded in 1917 and is one of the constituent colleges of the University of Delhi. It provides instruction for all the examinations of the University of Delhi including the Qualifying B.A., B.A. (Hons.), B.Sc. (Pass and Honours), M.A. and M.Sc.

The new building in the University Campus was expected to be ready by July, 1951.

Principal : B. B. Gupta, M.A.

SHRI RAM COLLEGE OF COMMERCE

The institution is located on Central Avenue in the Delhi University Campus. It is a first grade professional college imparting instruction to students preparing for the B.Com., M.Com. and M.A. in Economics Examinations. The College was founded in 1920 by the Commercial Educational Trust and was recognised by the University of Delhi in 1926 as one of its constituent colleges. It was raised to the Degree standard in 1922, and has many different extra-curricular activities.

Principal : Jai Narayan Valsh, M.A., G.D.A., F.C.A.

ST. STEPHEN'S COLLEGE

The College is situated on Imperial Avenue Road near the University of Delhi and is housed in a newly constructed building. It prepares students in Arts and Science for the degree examinations (Pass and Hons.), M.A., M.Sc. It has a highly qualified staff and is equipped with a library of its own.

MISSIONARY AND RELIGIOUS SOCIETIES

CAMBRIDGE BROTHERHOOD OF THE ASCENSION

Cambridge Brotherhood House, 7, Court Lane, Delhi 6.

Head : Revd. K. G. Sharp, M.A.

CHURCH OF ST. JAMES

Kashmere Gate, Delhi 6

Vicar : Revd. I. C. Weatherall.

NATIONAL SPIRITUAL ASSEMBLY OF THE BAHÁ'IS OF INDIA, PAKISTAN AND BURMA

6, Canning Road, New Delhi. Administering the religious affairs of 94 local Bahá'í Centres in India, Pakistan and Burma. **OBJECTS** : To establish universal peace and the oneness of mankind, in co-operation with fellow Bahá'ís in 128 other countries through the spiritual principles of the world religions proclaimed by Bahá'u'lláh in 1863.

ASSOCIATIONS & SOCIETIES

All-India Arya (Hindu) Dharma Sewa Sangh, Birla Lines, Subzi Mandi.

All-India Manufacturers' Organization, 29, Prem House, Connaught Place, New Delhi.

All-India Postal and R.M.S. Union, 24, Daryaganj.

Arya Samaj, Dewan Hall, Delhi; in front of Red Fort, Delhi.

Association for the Development of Swadeshi Industries, Kucha Natwan, Chandni Chowk.

Automobile Association of Upper India, Theatre Communications Building, Connaught Place, New Delhi.

Balkan-Ji-Barli.

Boy Scouts Association in India (Delhi State), Daryaganj; General Headquarters, Regal Buildings, New Delhi.

Children's Aid Society, Ferozeshah Kotla, New Delhi.

Concrete Association of India, 83-84, Queensway, New Delhi.

Consumers' Association, 1663, Hakim Baga Street, Chawri Bazar, Delhi.

Delhi Piece-goods Association, Katra Nil, Delhi.

Delhi Printers' Association, Model Press, Burn Bastion Road.

Delhi Provincial Trades Association, 4, Kashmere Gate, Delhi.

Delhi Women's League, Saraswati Bhawan, Daryaganj.

Delhi Young Men's Christian Association, Jai Singh Road, New Delhi.

Dr. Yudhvir Singh Homeopathic Trust, Kutchi Brij Nath, Delhi.

General Merchants Association, 110, Chandni Chowk, Delhi.

Headmasters' Association, Delhi State Sanskrit School, Daryaganj.

Hindu Maha Sabha, Reading Road, New Delhi.

Hindustan Scout Association (Delhi State), Yusuf Buildings, Hauz Qazi.

Nagar Sewa Samiti, Town Hall, Delhi.

National Gallery of Modern Art, Jalpur Road, New Delhi.

Press Owners' Association, Katra Afim.

Prisoners' Aid Society.

Ramakrishna Mission, Ibbotson Road, New Delhi.

ALL-INDIA BOY SCOUTS ASSOCIATION

7, Jangpura B Extension, Mathura Road, New Delhi 14

Aims : The aim of the Boy Scouts Association is to help boys irrespective of race, creed, or caste, to become good citizens, reverencing God, living as loyal citizens and subordinating personal interests to the welfare of others, abstaining from violence of thought, word or action; to form their character by training them in habits of observation, obedience and self-reliance; to teach them services useful to the public and handicrafts useful to themselves, and to promote their physical development and health so that they may be made effective members of the great Scout Brotherhood of Service.

OFFICE-BEARERS :—*Chief Commissioner for India*, Vyas Dev Misra, M.A. (Eng.), M.A. (Econ.), B.Sc., LL.B., Barrister-at-Law.

Deputy Chief Commissioner for India, Mujahid-i-Millat Nawab Syed

Kaiser Hussain Rizvi, B.A. (Hons.), M.A., LL.B.

International Commissioner, Lieut.-Colonel C. L. Bhola, M.B.B.S.,

M.R.C.P. (Edn.), D.P.H., D.T.M. & H., F.M.S. (Retd.)

National Commissioner, Dr. P. D. Dhameja, M.B.B.S., L.R.C.P. (Lond.),

M.R.C.S. (Eng.), D.A.

General Secretary for India, Prof. Indra Sen Kapur, M.Sc., B.Sc. (Hons.)

National Secretary, Prof. Om Prakash, M.A.

ALL-INDIA FOOD PRESERVERS' ASSOCIATION

18-A, Aurangzeb Road, New Delhi

President : N. Y. Kashkar

Secretary : S. Dhanwant Singh.

MEMBERSHIP is limited to those engaged in the business or indirectly interested in food preservation in India.

ZONAL OFFICES :—*Vice-Presidents* : P. H. Brown, Shreenivas House, Waudhy Road, Bombay; K. P. Bhargava, Belanganj, Agra; K. C. Chakravarty, A-35, Murari-pur Road, Calcutta; H. L. Harris, 25, Lal Bagh Road, Bangalore; M. K. Mahajan, Pathankot.

ALL-INDIA GLASS MANUFACTURERS' ASSOCIATION

Plaza Cinema, Connaught Place, New Delhi

Secretary : S. Jaswant Singh

ALL-INDIA ORGANISATION OF INDUSTRIAL EMPLOYERS

28, Ferozshah Road, New Delhi 1

Established in 1933. The objects of the Organisation are to promote and protect the industrial development of India by studying various problems relating to trade, industry and labour and advising the Central and State Governments suitably, to study questions coming up at the International Labour Organisation and other international and national conferences from the point of view of Indian industry and to enable the Indian representatives at these conferences to take an appropriate stand; and to promote harmonious relations between the management and labour.

Any association representing employers in any trade and industry is entitled to become an association member of the organisation. Any individual, firm or joint-stock company engaged in any industry is eligible to the individual membership of the organisation. The annual subscription for association members is Rs. 500 and for individual members, Rs. 100. The organisation has on its roll 26 association members representing employers in the cotton, jute, cement, sugar, coal, tea, paper, chemicals, engineering and other important industries in all parts of the country. There are also about 150 large industrial concerns in the membership of the organisation.

President, Mohanlal L. Shah, Calcutta.

Vice-President, G. D. Somani, M.P., Bombay.

Hon. Treasurer, Hari Shankar Bagla, Kanpur.

Secretary, G. L. Bansal, M.P.

ALL-INDIA PEACE COUNCIL

Munshi Niketan, Kamala Market, New Delhi.

President :—Dr. S. D. Kitchlew; *Vice-President* :—Dr. M. L. Atal; *General Secretary* :—Ramesh Chandra; *Treasurer* :—Pandit C. N. Malaviya, M.P.

ALL-INDIA WOMEN'S FOOD COUNCIL

Jamnagar House, Mansingh Road, New Delhi.

Aims & Objects: To hold meetings where they should do propaganda for saving rationed food and explain the Government's policy of saving cereals. Popularise non-cereal food; preaching observing one day in a week, preferably Monday, as non-cereal day; encourage kitchen gardens; distribute baskets and boxes for growing vegetables to those families who have no compound of their own and also the necessary information about growing vegetables in baskets; hold supplementary food exhibitions; if possible, run cafeterias where cheap and nutritive food is made available and work in such cafeterias as volunteers, meet every month for discussing the food problems and improving methods of cooking and devising ways and means for constituting a balanced diet which can be prepared economically; conduct classes for preparing non-cereal food. To undertake any other activities conducive to the furtherance of these objects.

President: Rajbansi Devi; **Vice-President:** Lilavati Munshi. **Secretaries:** Mrs. B. Tarabai, Principal, Lady Irwin College, New Delhi; Miss Siva Das, Lecturer, Miranda College, Delhi University, Delhi; R. Dayal, Ministry of Food & Agriculture, New Delhi.

ALL-INDIA WOMEN'S RESERVE MEDICAL UNIT

7, York Road, New Delhi.

All-India Women's Reserve Medical Unit was organised in 1942 to provide mobile medical aid to women and children mainly of Delhi and to afford opportunity to medical women who can volunteer for work during famine, floods and epidemics. The Unit did useful work during famine in Bengal.

In August 1947, when Delhi was full of refugees the Unit organised medical clinics in various refugee camps in and near Delhi. The Unit has been affiliated to the U.C.R.W.

Hon. Secy. Dr. (Miss) S. Chaudhuri

ASSOCIATION FOR MORAL AND SOCIAL HYGIENE IN INDIA

Office: 211A 'P' Block, Raisina Road, New Delhi

Aims and Objects: The eradication of commercialised vice and kindred evils and the securing of condemnation of all forms of State Regulation of this vice. The raising of the standard of character and conduct and the upholding of a single high moral standard for men and women in matters relating to sex behaviour thus upholding the highest family traditions and ensuring a recognition that national life must be based upon a wholesome family life.

President: Mrs. Rameshwari Nehru; **Hon. Genl. Secy.** Mrs. Humayun Kabir

BHARAT SCOUTS AND GUIDES

Regal Buildings, Parliament Street, New Delhi

National Commissioner: Hriday Nath Kunzru
Chief Commissioner for Scouts: Mr. Justice Vivian Bose
Jt. National Organizing Commissioner, Scouts: D. P. Joshi
Jt. National Organizing Commissioner, Guides: Mrs. C. Mohan
Chief Commissioner, Girl Guides: Mrs. H. C. Captain.

BHARATIYA ADIMJATI SEVAK SANGH

Kingsway, Delhi 9.

Aims and Objects: —To work for the primitive and the aboriginal tribes in India and to uplift them socially, economically, culturally and educationally by recognising and affiliating such institutions and associations as have similar objects as those of the Sangh; by co-ordinating the work of the affiliated institutions through advice, guidance and help; by establishing centres for the amelioration of the conditions of the primitive tribes; by starting centres for training of workers for social and other work for primitive tribes, by encouraging research in anthropological study of the problems of the primitive tribes.

Office-Bearers: —**President:** Dr. Rajendra Prasad, **Vice-Presidents:** Dr. B. S. Guha, L. M. Shrikant, **Secretaries:** V. Raghaviah, D. Rangaiya; **Treasurer:** Bhagratih Kanoria

BRIHAN MAHARASHTRA MANDAL

27, Akbar Road, New Delhi 2.

Nature of Body: Social

President: N. V. Gadgil, M.P.

Working President: P. S. Patke.

General Secretary: G. V. Ketkar.

DELHI BANGA MAHILA SAMITY

Address of the Secretary: 90, 17, Connaught Circus, New Delhi

Nature of Body: Social.

OFFICE-BEARERS: Mrs. R. N. Banerjee (**President**); Mrs. K. C. Neogy (**Vice-President**); Mrs. Leela Guha (**Secretary**).

DELHI CHAMBER OF COMMERCE, NEW DELHI

Was established in 1949 and was registered under the Indian Companies Act 1913 in January 1950. The main object for which the Chamber was established was to safeguard the interests of Indian Commerce, Industry, Trade and Agriculture of the State of Delhi in particular and of India in general. Member of the Federation of

Indian Chambers of Commerce and Industry, New Delhi and of the Indian National Committee of the International Chamber of Commerce, Paris.

Honorary Secretary: Shidar P. S. Sodhbans, F.C.A., F.L.A.A. (London) Office: Dilbar Building, Original Road, Paharganj, New Delhi

DELHI HINDUSTANI MERCANTILE ASSOCIATION

611 1213, Chandni Chowk, Delhi 6.

OFFICE-BEARERS: R. S. Shri Gur Pershad Kapoor (**President**), Roop Narain Khanna (**Vice-President**), Brij Bhushan Sharan, B.A. (Com.) (**Hon. Secretary**)

DELHI MAHILA SAMAJ

Ajmeri Gate, Delhi.

Nature of Body: Social

OFFICE-BEARERS: Mrs. Subhadra Joshi (**Organiser**), Smt. Memo Bai (**President**), Smt. Savita Behn (**Secretary**)

DELHI NATYA SANGH

27, Akbar Road, New Delhi 2

Nature of Body: Social

OFFICE-BEARERS: **President,** Dr. K. J. Saidain, **Vice-Presidents,** B. Shiva Rao, M.P., D. R. Mankekar, **General Secretary,** P. S. Patke

FEDERATION OF INDIAN CHAMBERS OF COMMERCE AND INDUSTRY

28, Ferozshah Road, New Delhi.

The Federation is recognised by the Central Government as the premier organisation representing commercial and industrial interests in the country. The headquarters of the Federation are situated in New Delhi.

Among the objects for which the Federation is established are the following:

- To promote Indian businesses in matters of inland and foreign trade, transport, industry and manufactures, finance, etc.
- To encourage friendly feeling and unanimity among the business community on all subjects.
- To enter into any arrangement with any Government or authority supreme, municipal, local or otherwise, that may seem conducive to the Federation's objects or any of them, and to obtain from any such Government or authority all rights, concessions, and privileges which the Federation may think desirable to obtain and to carry out, exercise and comply with any such arrangements, rights, privileges and concessions.
- To sell or dispose of the undertaking of the Federation or any part thereof for such consideration as the Federation may think and in particular for shares, debentures or securities of any other company having objects altogether or in part similar to those of the Federation.
- To take or otherwise acquire and hold shares in any other company having objects altogether or in part similar to those of the Federation.
- To undertake and execute any trusts the undertaking of which may seem to the Federation desirable either gratuitously or otherwise.
- To draw, make, accept, discount, execute and issue bills of exchange, promissory notes, bills of lading, warrants, debentures and other negotiable or transferable instruments or securities.

OFFICE-BEARERS

President: B. M. Birla.
Vice-President: Shantilal Mangaldas.
Hon. Treasurer: Ratilal Gandhi.
Secretary: G. L. Bansal

GANDHI SMARAK NIDHI

5, Mansingh Road, New Delhi 2

Aims and objects of the Nidhi (Gandhi National Memorial Fund) are to conduct and promote constructive activities associated with Mahatma Gandhi; collection and preservation of Gandhiji's records and preservation and protection of places associated with his work and life.

The body had a fund of about Rs. 10,00,00,000 at the end of 1951 from public donations, etc.

OFFICE-BEARERS: —**Chairman,** Hon'ble Shri G. V. Mavalankar; **Vice-Chairman,** Devadas Gandhi; **Secretary,** Raghunath Shridhar Dhotre.

INDIAN ADULT EDUCATION ASSOCIATION

30, Faiz Bazar, Delhi.

It is the only national organisation of adult education workers and agencies in this country, having 79 affiliated institutions spread all-over India in addition to a large number of individual members.

The Association publishes a quarterly journal called *The Indian Journal of Adult Education*, a monthly *Social Education News Bulletin* and publishes pamphlets and tracts on adult education techniques and methods as well as on important experiments in India and other countries. It also organises annual conferences and seminar for adult education workers.

OFFICE-BEARERS:—*President:* Dr. Amaranatha Jha; *Vice-Presidents:* Dr. Zakir Hussain, Vice-Chancellor, Aligarh University; K. G. Saiyidain, Joint Educational Advisor to the Government of India, New Delhi; Ranjit M. Chetalingh, Principal, Baring Union Christian College, Batala, Punjab; T. Madiah Gowda, M.P., Chairman, Mysore State Adult Education Council; Dr. S. R. Ranganathan, Professor of Library Science, Delhi University; G. Harisarvathama Rau, Vice-President, South Indian Adult Education Association, Madras; Dr. V. S. Jha, Chairman, Madhya Pradesh Public Service Commission, Nagpur; *General Secretary:* V. S. Mathur, Calcutta; *Treasurer:* Onkar Nath, M.P., New Delhi; *Associate Secretary:* S. C. Dutta.

INDIAN AND EASTERN NEWSPAPER SOCIETY

Address: P. O. Box 69, 27, Barakhamba Road, New Delhi.

Formed in February 1939 to act as a Central Organisation of the Newspaper Press of India and of other countries in Asia and to promote the common business interests of its members numbering 84 at the end of 1950.

OFFICE-BEARERS:—*President:* J. C. Jain (*Times of India*); *Dy. President:* A. D. Mani (*Hindustan*); *Vice-President:* Nirmal Ghosh; *Hon. Treasurer:* A. E. Charlton (*Statesman*); *Secretary:* Asu Dr.

THE INDIAN COUNCIL OF MEDICAL RESEARCH

"P" Block, Raisina Road, P.R. 494, New Delhi.

The Indian Council of Medical Research was formerly known as the Indian Research Fund Association and was constituted in 1911 by the Government of India with a sum of Rs 5,00,000 set aside as an endowment for the prosecution and assistance of research, the propagation of knowledge and experimental measures generally in connection with the causation, mode of spread and prevention of communicable diseases.

The control and management of the Council is vested in a Governing Body, the President of which is the Hon'ble Health Minister of the Government of India. This body is assisted by a Scientific Advisory Board of which the Chairman is the Director-General of Health Services.

The Council annually publishes a technical report describing the research work done by the various enquiries carried out under the auspices of the Council during each calendar year. This report is obtainable from the office of the Secretary, Indian Council of Medical Research, New Delhi. The Council publishes the *Indian Journal of Medical Research* and its *Memoirs* and the *Indian Journal of Malariology*. In addition a number of special reports dealing with important subjects of medical research are also published from time to time. So far, over twenty-six such reports have been published.

The Council maintains the Nutrition Research Laboratories at Coonoor, which is the premier institution in India entirely devoted to research in nutrition and allied sciences.

Besides financing a large number of enquiries, the Council has set up nutrition research units at the Seth G. S. Medical College, Bombay, and University College of Science and Technology, Calcutta, a Clinical Research and Neuropathological Unit at the Tata Memorial Hospital, Bombay, a Clinical Research Unit at the School of Tropical Medicine, Calcutta, a Polio Research Unit at the Grant Medical College, Bombay, a Liver Research Unit at the S. N. Medical College, Agra, and an Industrial Health Research Unit at the All-India Institute of Hygiene and Public Health, Calcutta. A Virus Research Centre has also recently been set up by the Council at Poona in collaboration with the Rockefeller Foundation of the U.S.A.

In order to foster medical research in the country and to encourage young medical and science graduates to take to research work the Council annually awards Research Fellowships tenable for two years of the value of Rs 250 p.m., with a contingent grant of Rs 500 per annum for each fellowship.

The Council maintains a library at the Central Research Institute, Kasauli. The Council has also established a Micro-film Service and Photostat Unit at the Institute. A Micro-film Service Unit has also been established at the Tata Memorial Hospital, Bombay, under the auspices of the Council.

INDIAN COUNCIL OF WORLD AFFAIRS

Kashi House, Connaught Place, New Delhi 1.

President: Dr. Hriday Nath Kunzru.

Vice-Presidents: Dr. Zakir Hussain; Acharya Narendra Deva; Shri Ram; C. B. Srinivasan.

Treasurer: Yodh Raj.

Secretary-General: Dr. A. Appadorai.

The Indian Council of World Affairs is a private, non-partisan, academic and research organization. It was founded in 1943 and its primary object is promoting the study of Indian and international questions so as to develop a body of informed opinion on world affairs and India's relation thereto through study, research, discussion,

lectures, exchange of ideas and information, etc. with other bodies in India and abroad engaged in similar activities.

Membership activities of the Council are built around general meetings and discussion groups both at the headquarters of the Council at Delhi as well as its 24 branch centres.

A Research Board plans and supervises the Council's publication programme: the publication of a quarterly, *India Quarterly*; a monthly, *Foreign Affairs Reports*; occasional publications such as monographs and a series of biennial volumes entitled *India In World Affairs* surveying India's role in international affairs year after year.

The Council maintains the largest specialized library in India on international affairs, consisting of some 14,000 volumes and 400 periodicals.

The Council has organized three important International Conferences. It organized the First Asian Relations Conference in March-April, 1947; in December 1949, the Council, in co-operation with the American Institute of Pacific Relations, organized the India-America Conference to discuss problems of Indo-American Relations; and in October 1950, the Council acted as host to the Eleventh Institute of Pacific Relations Conference at Lucknow.

The Council is constructing at New Delhi, its own headquarters building, called Sapru House, in memory of its first President, the Rt. Hon. Sir Tej Bahadur Sapru.

As on 31st December 1950, the Council had 24 branches in most of the leading cities of India and 1,980 members composed of 11 Patrons, 81 Life members, 146 corporate members and 1,742 ordinary members.

INDIAN INSTITUTE OF PUBLIC ADMINISTRATION

President: Jawaharlal Nehru.

Chairman: V. T. Krishnamachari.

Secretary: D. G. Karve.

INDIAN RED CROSS SOCIETY

20, Talkatora Road, New Delhi.

President: Dr. Rajendra Prasad (President of the Republic of India).

Chairman, Managing Body: Rajkumari Amrit Kaur.

Vice-Chairman: Shri Usha Nath Sen.

Secretary-General: Sardar Balwant Singh Puri.

Constitution:—The President of the Republic of India is the President of the Society. The Managing Body consists of a Chairman and 25 members, of whom 12 are the Vice-Presidents, 8 selected by the Society at the Annual General Meeting from among the members of the Society, and 5 nominated by the President.

Junior Red Cross:—Junior Red Cross which was started in 1926 is an integral part of the Indian Red Cross Society and is its youth section.

Nursing Service:—The Society is maintaining a roll of nurses for emergency service in the country.

Medical After-Care Fund:—With a view to granting relief for medical treatment and cognate purposes to the sick Indian ex-Servicemen, who participated in the Second World War, the Indian Forces Medical After-Care Fund was instituted at the headquarters towards the end of 1941. The scope of the Fund was extended in 1949 so as to include the ex-servicemen of World War I. Assistance from the Fund is invoked by an increasing number of deserving cases. The total number of applications dealt with till the end of 1952 was 3,655. During 1952, six hundred and sixteen fresh applications were received from ex-servicemen suffering from tuberculosis, leprosy, mental and other diseases, and a sum of Rs. 1,96,263 was given in grants to 448 new and 596 old cases raising the total of disbursements from the fund during the last 11 years to Rs. 10,38,005. A sum of Rs. 10,000 was received from the Armed Forces Reconstruction Fund in 1952 for providing medical after-care to the ex-service personnel of the Jammu and Kashmir operations.

Bureau of Maternity and Child Welfare:—The Maternity and Child Welfare Bureau of the Society was established in 1931.

The Bureau administers the Lady Chelmsford League Fund for maternity and child welfare, the Victoria Memorial Scholarships Fund for the training of *dais*, and the Army Child Welfare Funds. The Bureau also acts as a Central office for information on all aspects of maternal and child health and offers technical assistance to the branches of the Indian Red Cross Society that maintain maternity and child welfare services in their States.

Relief Activities:—Emergency relief forms an important aspect of Red Cross work in India and it comprises two categories: assistance with cash grants, medical and other supplies and provision of trained field workers for first aid, ambulance service, nursing and incidental duties for sudden emergencies.

Health Education:—Popular health education is another important activity. Health lectures, film shows, demonstrations of slides, etc. are regularly organised under Red Cross auspices. Two quarterly Journals are published, namely, the *Indian Red Cross Journal* and the *Indian Junior*.

Hospitals.—The Society runs a Red Cross Home in Bangalore well-equipped for 75 patients for giving expert medical aid and nursing care to permanently disabled ex-servicemen. It also provides various amenities and comforts to patients in all military hospitals in India and to Field Medical Units of Jammu and Kashmir Forces.

Finances.—The investments of the Society at the end of 1952 stood at Rs. 2,21,22,000 and the floating and fixed deposits at Rs. 54,171. From the total income of Rs. 6,84,105 derived from investments of the Society, a sum of Rs. 1,98,000 is distributed under the Act to the State Branches in India and those in Pakistan in proportion to their contributions to the Central "OUR DAY" Fund raised in the First World War.

INSTITUTE OF CHARTERED ACCOUNTANTS OF INDIA

Room Nos. 98-102, Gurdwara Road Hutments, New Delhi.

The Institute of Chartered Accountants of India was established on 1st of July 1949, as a result of the enactment of the Chartered Accountants Act, 1949, by the then Dominion Parliament on 9th April, 1949, which came into force on 1st July, 1949. This Institute is an autonomous body of all accountants with perpetual succession and is entrusted with the performance of all the functions previously carried out by the Central Government in respect of the profession of Accountancy.

The members of the Institute have been divided into two categories, namely, practising members and non-practising members. The practising members are designated as Chartered Accountants while non-practising members cannot style themselves as such. Further, there are two categories of members, namely, Associates and Fellows. Every member on admission to the Institute is known as Associate member and a practising member after a practice of 5 years is entitled to become a Fellow. A member of the Institute who has been in continuous practice for a period of over three years is entitled to train articled clerks.

Council of the Institute.—*President*, S. Vaidh; *Vice-President*, C. S. Sastry.

Secretary to the Council :—S. Venkataramanan.

INTERNATIONAL CHAMBER OF COMMERCE, INDIAN NATIONAL COMMITTEE

28, Ferozshah Road, New Delhi.

The Indian National Committee of the International Chamber of Commerce was established for the following purposes in the year 1929 :—

To participate in the promotion of the objects for which the International Chamber of Commerce, hereinafter called the "International Chamber," is established, namely :

- (i) To facilitate the commercial intercourse of countries.
- (ii) To secure harmony of action on all international questions affecting finance, industry and commerce.
- (iii) To encourage progress and to promote peace and cordial relations among countries and their citizens by the co-operation of businessmen and organisations devoted to the development of commerce and industry.

The Indian National Committee has on its roll 37 commercial bodies as Organisation Members and 60 commercial firms as Associate Members.

OFFICE-BEARERS

President : B. M. Birla.
Vice-President : Shantilal Mangaldas.
Honorary Treasurer : Ratilal Gandhi.
Secretary : G. L. Bansal.

JANGID BRAHMAN MAHA SABHA

441, Haveli Haidar Quli, Chandni Chauk, Delhi.

Nature of Body : Social.

Office-Bearers : Pt. Chhote Lal Sharma Jangid (*President*) ; Pt. Moolchand Sharma Jangid (*Vice-President*) ; Pt. Rup Kishor Sharma Jangid (*General Secretary*).

MAHARASHTRIYA SNEH-SAMVARDHAK SAMAJ

115, Naya Bazar, Delhi.

Nature of Body : Social.

Office-Bearers : *President*, N. V. Gadgil ; *Vice-President*, R. K. Kulkarni ; *Secretary*, V. S. Ranade.

NATIONAL ACADEMY OF LETTERS

Chairman, Jawaharlal Nehru.
Treasurer, M. S. Bhatnagar.
Secretary, Krishna Kripalani.

NATIONAL EMPLOYMENT SERVICE

As a means of ensuring the maximum utilisation of available manpower and supplying employers with the right type of workers, the Government of India is running an employment organization. This organisation consists of a network of employment exchanges in the Republic of India and a large number of technical, vocational and apprenticeship training centres.

The objects of the organization are :—(1) to place applicants in suitable employment ; (2) to increase the mobility of labour both territorial and occupational ; (3) to substitute a free, impartial and scientific system of recruitment for the one through jobbers and mistries which was condemned by the Whitley Commission on labour about two decades ago ; (4) to assist in organizing training and retraining courses ; (5) to provide the necessary machinery and suitable data for the adoption of social security measures by the State ; and ultimately (6) to promote full employment for the manpower available in the country.

The organization is under the administrative charge of the Directorate-General of Resettlement and Employment which exercises powers of control and supervision over the eleven Regional or State Offices.

By the end of December 1952, the Employment Exchanges had registered 7,250,802 persons of whom 905,415 were displaced persons, and placed in employment 1,900,138 of whom 200,949 were displaced persons.

At the end of 1952 there were 131 Employment Exchanges operating in India, in addition to a number of sub-offices. At some centres decentralisation schemes for industrial workers were organised through the agency of the Employment Exchange Service.

As an integral part of the employment organisation, the Directorate-General of Resettlement and Employment is running technical and vocational training institutes/centres where training is imparted in more than 60 technical and vocational trades. At the end of December 1952 there were 34 technical, 16 combined and 11 vocational training institutes/centres (including 4 for training of women). In these institutions 10,512 persons including 2,513 displaced persons and 426 women were under training. In addition to above 195 displaced persons were undergoing apprenticeship training in 206 industrial undertakings in Uttar Pradesh and West Bengal.

With a view to ensuring a steady supply of trained instructors for running technical and vocational training centres, both Government and private, a central institute for training instructors has been set up at Koni near Bilaspur in Madhya Pradesh. By the end of December 1952 it had turned out 874 instructor-trainees and there were another 118 under training.

Address : Directorate-General of Resettlement and Employment, Gurdwara Road, New Delhi.

NATIONAL INSTITUTE OF SCIENCES OF INDIA

Mathura Road, New Delhi.

Objects : Founded in 1935 for the promotion of natural knowledge in the country including its practical application to problems of national welfare. Recognised by Government as the premier scientific organisation in India. Has three co-operating Academies, viz., Asiatic Society (Calcutta), Indian Academy of Sciences (Bangalore) and National Academy of Sciences, India (Allahabad). Annual Subscription Rs. 36.

President : Dr. K. S. Krishnan.

Treasurer : Prof. D. S. Kothari.

Foreign Secretary : Prof. P. C. Mahalanobis.

Secretaries : Prof. R. C. Majumdar ; Dr. B. P. Pal.

SANGEET NATAK AKADEMI

(New Delhi).

Secretary : Nirmala Joshi.

SANT PARMANAND BLIND RELIEF MISSION.

18/53, School Road, Karol Bagh, New Delhi 5.

Nature of Body : Social.

Office-Bearers : Seth Jugal Kishore Ji Birla (*President*) ; H. K. Agrawal, M. A. (*Honorary Secretary*) ; Gaya Prasad (*Honorary Joint Secretary*).

SHRI MAHAVIR JAIN PUBLIC LIBRARY AND READING ROOM

II/1417, Shree Jain Mahavir Bhawan, Chandni Chowk, Delhi

Office-Bearers :—Gulab Chand Jain (*President*) , D. P. Lodha (*Hon. Secretary*) ; Chuttan Lal Jain (*Treasurer*)

ST. JOHN AMBULANCE ASSOCIATION (INDIA) AND ST. JOHN AMBULANCE BRIGADE (INDIA)

20, Talkatora Road, New Delhi 2.

The St. John Ambulance Association was established in India in 1910 and has for its objects :—

- (a) The instruction of persons in rendering First Aid in cases of accident or sudden illness and in the transport of the sick and injured ;
- (b) The instruction of persons in the elementary principles and practice of nursing, and also of hygiene and sanitation, especially of a sick room ;
- (c) The manufacture, and distribution by sale or presentation of ambulance material, and the formation of ambulance depots in mines, factories and other centres of industry and traffic ;

(d) The organisation of Ambulance Corps; Invalid Transport Corps, and Nursing Corps;

(e) And generally the promotion of instruction and carrying out of works for the relief of suffering of the sick and injured in peace and war independently of class, nationality or denomination.

The association has five grades of members, namely, patrons, honorary councillors, life members, annual members and annual associates. Their respective subscriptions are Rs. 1,000, Rs. 500, Rs. 100, Rs. 5 and Rs. 2.

The President of the Republic of India is the President of the association. Its general business is conducted by an executive committee of which Rajkumari Amrit Kaur is the Chairman and Sardar Balwant Singh Puri, the Secretary-General.

The St. John Ambulance Brigade is a uniformed, disciplined body of men and women, all of whom are holders of first aid, and in the case of women also home nursing certificates. They meet together regularly for practice, are inspected and re-examined annually and undertake to turn out for public duty whenever required.

The Brigade in India is commanded by Rajkumari Amrit Kaur as Chief Commissioner. Under her are 19 Districts covering almost all the States and major railways in India with headquarters at Bangalore, Bhubaneswar, Bombay, Calcutta, Delhi, Gorakhpur, Indore, Jaipur, Lucknow, Madras, Nagpur, Patna, Secunderabad, Shillong and Simla.

TRAINED NURSES ASSOCIATION OF INDIA

28, Alipore Road, Delhi 8.

The Trained Nurses' Association of India was founded in 1908 and incorporates the Association of Nursing Superintendents of India. It is affiliated with the International Council of Nurses, the National Council of Women in India the Indian Conference of Social Work and the Indian Council of Mental Hygiene, and the Nurses Auxiliary of the Christian Medical Association is its affiliated Association. Its objects are:—

- to uphold in every way the dignity and honour of nursing profession,
- to promote a sense of *esprit de corps* among all nurses,
- to enable members to take counsel together on matters affecting their profession,
- to elevate nursing education and to raise the standard of training,
- to strive to bring about a more uniform system of education, examination, certification and registration,
- to donate or subscribe to, or otherwise aid, any institution or organisation in or outside India connected with nursing,
- to promote and provide for the welfare of and to give relief to nurses by grants of money, or other aid, or otherwise as the association may think fit.

The branches of the Association are the Health Visitors' League, the Midwives' Union and the Student Nurses' Association. The number of qualified members are 3,154 and student members 3,746 totalling 6,900. The official organ of the Association is *The Nursing Journal of India*.

President. Miss T. K. Adranvala, 28, Alipore Road, Delhi 8.

Vice-Presidents. Miss M. Korah, Mrs. E. A. Watts; Miss E. Paul, Miss C. Kurian and Mrs. Najab Khan.

Officers: *General Secretary* Kumari Lakshmi Devi, T.N.A.I. Office, 28, Alipore Road, Delhi 8. *Secretary, S.N.A. Association* Miss I. Dorabji; *Hon. Treasurer* Miss D. Davis, I.M.N.S., G.H.Q. Medical Directorate, New Delhi. *Editor* Kumari Lakshmi Devi, T.N.A.I. Office, 28 Alipore Road, Delhi 8. *Hon. Jt. Treasurer* Mrs. E. Van der Gracht, Willingdon Nursing Home, New Delhi.

Hon. Secretaries. Health Visitors' League: Miss Daisy Charles, State Public Health Nursing Supervisor, Office of the Director of Public Health, Bangalore; Midwives' Union: Miss. S. Verghese, Nursing Superintendent, Vani Vilas Hospital, Bangalore.

Membership. Membership is open to qualified Nurses, Health Visitors and Midwives who have completed their training in hospitals or Health Schools recognised by the Indian Nursing Council. All officers are fully trained nurses and members of the Association.

Subscriptions.—Annual subscription which includes *Nursing Journal of India* Rs. 12; Nurses with salary below Rs. 75 Rs. 6; Health Visitors and Midwives Rs. 6, Life Membership, Rs. 150.

TUBERCULOSIS ASSOCIATION OF INDIA

Office:—20, Talkatora Road, New Delhi.

The aims and objects are the prevention, control and eventual eradication of tuberculosis in India.

Eighteen State Tuberculosis Associations are affiliated to this Association. It has Corresponding Members in many foreign countries. It runs model *TB* institutions, namely, the Lady Lillithgow Sanatorium, Kasauli (Simla Hills), the New Delhi Tuberculosis Centre, New Delhi and Lala Rama Sarup *TB* Hospital, Mehrauli

(Delhi). Also manages the *TB* Hospital in Sangrur, PEPSU, for displaced persons. The Association is affiliated to the International Union Against Tuberculosis in Paris and works in close collaboration with the Government of India, the World Health Organisation, the United Nations International Children's Emergency Fund and other international bodies.

Chairman: Lt.-Col. C. K. Lakshminan, Director-General of Health Services, Government of India; **Vice-Chairman,** Sir Shri Ram; **Hon. Treasurer,** K. R. K. Menon, Finance Secretary, Government of India; **Tech. Adviser,** Dr. P. V. Benjamin, Tuberculosis Adviser to the Government of India; **Secretary,** B. M. Cariappa.

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UNITED COUNCIL FOR RELIEF AND WELFARE

Rashtrapati Bhavan, New Delhi.

Aims and Objects.—Co-ordination of the activities of the charitable organisations, relief of distress, affliction, suffering or calamity.

Sources of Funds are from the Prime Minister's National Relief, Ministry of Rehabilitation, and Public donations.

Chief Office-Bearers. *President and Chairman,* President of India; *Vice-President,* The Prime Minister; *Vice-Chairmen,* Rajkumari Amrit Kaur, Sir Usha Nath Sen, Smt. Durgabai Deshmukh, *Hon. Treasurer,* N. Banerjee, *Secretary,* B. N. Banerjee.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION OF INDIA

The aim of the Association is to unite women and girls of India, in fellowship and mutual service for their spiritual, intellectual, social and physical development. The Association exists for women and girls of all communities.

The Y.W.C.A. of India has 53 places in the country where Y.W.C.A. work of some kind or other is being done. The needs of women and girls are met by recreation clubs and classes, lectures, commercial classes, dramatics, health courses, Bible study and devotional meetings, and functions for social intercourse. There are 28 hostels in 21 centres, some of them having over 175 girls. There are also six holiday and rest homes in the hill stations. These hostels accommodate working girls, teachers, nurses, students and apprentices. In addition to holiday homes, Summer conferences are held annually in Ootacamund in South India and at Missoula. Special Girls' Camps are arranged from time to time in many centres.

The official organ of the Association is the leaflet *Everymember* which is issued quarterly and sent to members and friends of the Association.

President, Headquarters Committee—Rani Maharaj Singh, *Vice-Presidents.* Mrs. John Mathai, Mrs. A. N. Shukla, Raj Kumari Amrit Kaur, Mrs. V. A. Azariah.

General Secretary. Miss Olga I. Lawrence.

Office Parliament Street, New Delhi.

CLUBS

CHELMSFORD CLUB

When the Chelmsford Club was first started it was a residential socio-political Delhi-Simla Club whose object was to promote good-will between Indians and Europeans. It has since been permanently shifted to New Delhi. The Club was later reorganized as a purely non-residential social club. It has its own building on Raisina Road in New Delhi. Games and amenities include tennis, squash, swimming, billiards, ping-pong, badminton, and weekly dances, catering and bar.

DEFENCE SERVICES CLUB

The Defence Services Club is housed in the National Stadium Building, New Delhi and is open only to members of the Defence Services.

DELHI FLYING CLUB

(Civil Aerodrome)

DELHI GYMKHANA CLUB

Delhi Gymkhana Club is a residential club for nationals as well as aliens. It has its own building on Race Course Road and provides the usual club amenities.

GOLF CLUB

(Wellesley Road)

Delhi Golf Club, situated on Wellesley Road, is a private Club open to golfing and non-golfing members. Non-residents of Delhi are welcome to use the Club for a limited time as Casual Members on the payment of Green-fees or by the purchase of weekly or fortnightly passes. A professional is available for tuition; clubs may be hired and balls etc. purchased. Casual members can obtain refreshments after purchasing coupons.

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The Club was founded by R. E. Grant Govan, in 1922 with a few Indian and European friends in Delhi with a view to having a club where Europeans and Indians could freely meet one another. It was formally inaugurated by Lord Reading on 9th December 1922.

The activities of the Club include cricket, tennis, hockey, billiards and cards. Weekly Guest Nights, Dinners and Dances are held as well as cocktail dances.

Life membership donation is Rs. 2,500; entrance fee, Rs. 200; annual subscription, Rs. 15; monthly subscription, Rs. 15. Service officers are exempted from Ballot and entrance fee.

President, Shankar Prasad, I.C.S.

Vice-President, Nur Uddin Ahmed, M.L.A.

Hon. Genl. Secretary, R. C. Durant

Hon. Treasurer, Z. R. Irani

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Catholics, Anglo-Indians, Freemasons, Malayalees, Maharashtrians, Bengalis and professional people like lawyers have all clubs of their own. The South Indian Club is situated on Jantar Mantar Road. The Race Club organizes a weekly race for the general public. The Aero Club is situated near the Willingdon airport.

Speaking generally, with the exception of the Delhi Gymkhana all Clubs in Delhi and New Delhi are non-residential Clubs. The chief recreation at most of the clubs is card-playing and dancing.

On dance nights the clubs are crowded.

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Regional Director, Dr. C. Mini

Deputy Director, Dr. S. F. Chellappa

Chief Office of Administration & Finance, J. Brouland.

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The aims and objects of the Institution include the co-ordination of efforts of Producers and Consumers for the improvement of materials, products, appliances, processes and methods; introduction of codes of practice, provision or arrangement for facilities for examination and testing of commodities, processes and practices, and planning and direction of related investigations and research.

The affairs of the Institution are administered by a General Council, which is representative of various Ministries of the Government of India, the Governments of States, the professional societies of technologists and scientists, the chambers of commerce and industry and other allied interests.

The technical work of preparing standards, specifications, codes of practice, etc., is carried out under the authority of the four division councils, namely, (a) Engineering, (b) Textiles, (c) Chemicals and (d) Buildings, and a food grain storage section.

The income of the Institution is derived from (a) Government grants, (b) contributions from industry and other interested public bodies, (c) subscriptions from members, and (d) sale of Indian Standards, Specifications, etc.

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Chattar Bhuj & Bros.—Chandni Chowk.

Chemico.—Opp. Minerva Hotel, Connaught Circus.

Chhaju Ram & Sons.—Connaught Place.

Chistle & Co., Ltd.—Chandni Chowk.

Chopra Medical Hall.—Paharganj, Main Bazar.

Chowdhary Bros.—Bhagirath Palace, Chandni Chowk.

Chuni Lal & Sons.—113, Baird Road.

Coasmic Stores Ltd.—62, Queensway.

DEMODARSINGH & CO.—Wholesale Chemists and Druggists, behind Imperial Bank, Chandni Chowk, Delhi. Phone: 6583.

D. Bagga & Co.—Khari Baoli.

Dayal Ayurvedic Chemical Works.—Fatehpur, Church Mansion Road, Chandni Chowk.

Dee Dee & Co.—Lal Kuan.

Delhi Medical Stores.—Chandni Chowk.

Delhi Surgical Stores.—Chandni Chowk.

Digambara Chemical Works.—Jama Masjid Area.

Diwan Chand & Bros.—Chandni Chowk.

Dixit Bros.—Chandni Chowk.

E. Plomer & Co.—Kashmere Gate.

Edward Medical Hall.—Pahargunj, Main Bazar.

EMPIRE STORES.—Wine & General Merchants, Chemists & Druggists. Head Office: Connaught Place, New Delhi. Branches: Prithvi Raj Lane, D. G. Club, New Delhi, Delhi Cantonment and The Mall, Simla.

Frontier Medical Hall.—Pahargunj, Main Bazar.

Gaiinda Mal Walayti Ram.—Connaught Place.

Galen Medical Hall.—90/22, Connaught Circus.

Ganson & Co.—Behind Imperial Bank, Chandni Chowk.

Geoffrey Manners & Co., Ltd.—Kashmere Gate.

Gopal Chemical Co.—Khari Baoli.

Harbans Singh & Sons.—Chandni Chowk.

Hari Bros.—Faiz Bazar.

Hazara Singh & Sons.—Connaught Place.

H. C. SEN & CO. (Estd. 1880).—Wholesale, Retail and Dispensing Chemists & Manufacturers, Agents, Dr. H. C. Sen Road, Fountain, Delhi 6.

Health & Co.—Chandni Chowk.

H. P. Chatterjee & Co.—Behind Imperial Bank, Chandni Chowk

India Chemical Co.—Khari Baoli.

India Drug House.—Bhagirath Palace, Chandni Chowk.

Indra Trade Agencies.—Connaught Circus.

International Chemical Co.—Phatak Habash Khan.

The International Pharmacy.—Sabzi Mandi.

Jamna Das & Co.—Chandni Chowk.

Kaisons.—Chandni Chowk.

Kanhayalal Ratanlal.—Inside Habash Khan Gate, Delhi.

Kemp & Co., Ltd.—Connaught Place.

Kidarnath Sita Ram.—Bhagirath Palace, Chandni Chowk.

Lal & Co.—Connaught Place.

Modern Agencies.—Back of Moti Talkies, Chandni Chowk.

Modern Medical Store.—1570, Church Road, Kashmere Gate, Delhi.

M. S. Lakshmi & Sons.—Chandni Chowk.

Narain Medical Stores.—Chandni Chowk.

NARAINDAS BHAGWANDAS.—Wholesale Druggists, behind Imperial Bank, Chandni Chowk, Delhi. Branch: Garware Road, Karolbagh, New Delhi.

Narang Medical Stores.—Chandni Chowk.

National Pharmacy.—Behind Imperial Bank, Chandni Chowk.

Neal & Co.—Kashmere Gate.

NEW GENERAL STORE.—4-G, Connaught Circus, New Delhi. Attended by renowned Physicians. Phone: 7004. Prop., Premchand Jain.

New India Chemical Co.—Dariba Kalan.

Prakash Bros.—Jama Masjid Area.

Prakash Medical Hall.—Subzi Mandi.

The Punjab Sind Medicine Co.—Esplanade Road.

Radhakishan Premchand.—Khari Baoli.

Radicura & Co.—Chandni Chowk.

RAMA & SONS.—34-C, Connaught Circus, opp. Madras Hotel, New Delhi.

R. N. Sharma Pharmacy.—Naya Bazar.

Royal Medical Hall.—Fountain Area, Chandni Chowk.

Sahib Singh & Sons.—16-F, Connaught Circus.

Sawhney Brothers.—Esplanade Road.

Shame-ul-Arfeen & Co.—Fatehpuri.

Sohanlal & Sons.—Esplanade Road.

Sukh Dayal-Harnam Das.—Subzi Mandi (Tram Terminus).

Twin Brothers.—Bhagirath Palace, Chandni Chowk.

Wadhawan Brothers.—Back of Moti Talkies, Chandni Chowk

Young Friend & Co.—Connaught Place.

CHEMICALS (IMPORTERS & STOCKISTS)

Arjan Dass Gupta & Bros.—25, Fatehpur, Delhi.

Kanhayalal Ratanlal.—Inside Habash Khan Gate, Delhi

K. C. BHARGAVA & CO.—P.O. Box No. 1247, Delhi.

Nayyar & Co.—16, Faiz Bazar, Daryaganj, Delhi.

CHILDREN'S REQUIREMENTS

Smart Shoe Co.—5-G, Connaught Circus, New Delhi. Phone No. 7004.

CINEMA AND MOTION PICTURE PRODUCING COMPANIES AND DISTRIBUTORS

JAYANTA STUDIO.—8-B, Connaught Place, New Delhi.

Rangoon Studio.—58, Queensway, New Delhi.

CINEMA MACHINERY

Sardar Zorawar Singh & Co.—9, Raj Narain Road, Civil Lines, Delhi 8.

CINEMAS AND THEATRES

Camp Cinema.—Delhi.

Excelsior Cinema.—Delhi.

Imperial Talkies.—Delhi.

India Garrison Cinema.—Delhi Cantonment

Jagat Cinema.—Delhi.

Jubilee Talkies.—Delhi.

Khana Talkies.—Delhi.

Kumar Talkies.—Delhi.

Leopard Cinema.—Delhi Cantonment.

Majestic Talkies.—Delhi.

Minerva Talkies.—Delhi.

Moti Talkies.—Delhi.

New Amar Talkies.—Delhi.

Novelty Cinema.—Delhi.

Odeon Cinema.—New Delhi.

Palam Cinema.—New Delhi.

Plaza Cinema.—New Delhi.

Race Course Cinema.—New Delhi

Regal Cinema.—New Delhi.

Ritz Cinema.—Delhi.

Rivoli Cinema.—New Delhi.

Robin Talkies.—Delhi.

Stadium Cinema.—New Delhi.

Talkatora Palace.—New Delhi.

West End Talkies.—Delhi.

CINEMATOGRAF IMPORTERS

ELECTRONICS LIMITED.—Connaught Place, New Delhi, 71, Queen's Road, Bombay 2, 7, Woods Road, Madras 2, and 4, Chowringhee Place, Calcutta 13.

CLOTH MERCHANTS (RETAILERS)

Ahuja Swadeshi Stores.—Chandni Chowk, near Tower.

Amin Chand Jiwan Ram.—Clock Tower, Amritsar and Chandni Chowk, Delhi. Dealers in Kashmiri Shawls, Lobi, Namda, Pattu, Loose, Blankets, Woolen, Cotton and Silk Piece-goods, etc., etc.

Banbasi Swadeshi Stores.—Near P.O., Karol Bagh.

Benares House.—Near Clock Tower, Chandni Chowk.

Bengal House.—Nal Sarak.

Bharat Swadeshi Stores.—Nal Sarak.

Birbal Das Om Parkash.—Nal Sarak.

Bishen Singh & Co.—Chandni Chowk.

B. LILARAM & SONS (DELHI).—14-15-F, Connaught Place, New Delhi.

Bombay Silk Stores.—Chandni Chowk.

Cawnpore Agency.—Nal Sarak.

Cheap Jainy.—Connaught Place.

Chitrani Lal Devi Dayal.—Nal Sarak.

Deougar Mal Lachhi Ram.—Nal Sarak.

Devichands.—Connaught Place.

Diwan Singh Ram Singh.—Chandni Chowk.

Gandhi Ashram Khadi Bhandar.—Chandni Chowk.

Girwar Lal Baij Nath.—Chandni Chowk.

GLAMOUR.—20-F, Connaught Place, New Delhi.

Guptajee.—Connaught Place, New Delhi.

Hazari Lal Bashehar Nath.—Chandni Chowk.
 Hazari Lal Ram Parkash.—Chandni Chowk, near Tower.
 Hotu Ram Vas Dev.—Chandni Chowk, near Tower.
 Indian Stores.—Opp. Central Bank, Chandni Chowk.
 Jagat Narain Khanna.—Connaught Place.
 Jamna Das Khanna.—Chandni Chowk.
 Jankidas & Co.—23/F, Connaught Place, New Delhi.
 Jauhari Mal Shlam Lal.—Nal Sarak.
 Jhunnal Mal Daya Parkash.—Near Clock Tower, Chandni Chowk.

Kanshi Pershad Devi Pershad.—Nal Sarak.
 Kanshi Ram Kesho Ram.—Chandni Chowk.
 Karachi Cloth House.—Clock Tower, Chandni Chowk.
 Kashmir House.—Chandni Chowk.
 Kashmir Swadeshi Stores.—Chandni Chowk.
 Khalsa General Stores.—Near Clock Tower, Chandni Chowk.
 Khazana Mal Banwari Lal.—Chandni Chowk.
 Kishan Chand Chella Ram (India) Ltd.—Chandni Chowk Tower
 Kishori Lal & Sons.—Nal Sarak.
 Krishna Brothers.—Nal Sarak.
 Lachhman Das Jain & Co.—Nal Sarak.
 Lahoro Silk Store.—Near Clock Tower, Chandni Chowk.
 Lalro Brothers.—Chandni Chowk, near Bazar Ballimaran.
 Lakshmi Chand Om Parkash.—Near Clock Tower, Chandni Chowk.
 Madho Ram & Sons.—Connaught Place.
 Miri Mal Darbari Mal Jain.—Nal Sarak.
 Mohan Bros. Ltd.—Connaught Place.
 Murshidabad Sarees Stores.—Chandni Chowk
 Nagin Chand Stores.—Chandni Chowk.
 Oriental Outpieces Stores Ltd.—Chandni Chowk, behind Kumar
 Talkies.

Pandit Brothers.—Clock Tower, Chandni Chowk.
 Pearay Lal Baldev Pershad.—Nal Sarak.
 Radhey Lal Kanhya Lal.—Chandni Chowk.
 Raja Bros.—Connaught Place.
 Ram Narain Trilok Chand.—Near Tower, Chandni Chowk.
 Ram Nath.—Nal Sarak.
 Ram Sarup Sham Sunder.—Nal Sarak.
 Rama Bros.—Chandni Chowk.

ROY BROTHERS (CHEAPOHN) LTD.—Drapers & Tailors, Queensway, New Delhi.

Satya Dev Sudershan Lal.—Near Clock Tower, Chandni Chowk.
 Shibban Lal Harnam Das.—Nal Sarak
 Shri Jawahar Shud Khadi Bhandar.—Nal Sarak.
 Shyam Lal Sunder Lal.—Nal Sarak.
 Rita Ram & Sons.—Nal Sarak.
 Sobh Raj Silk Store.—Near Clock Tower, Chandni Chowk.
 Tulsi Das Ganga Ram.—Kashmere Gate.

CLOTH MERCHANTS (WHOLESALE)

Bal Nath Bala Pershad.—Jagtiwara, Nal Sarak.
 Bal Nath Trilok Chand.—Katra Hira Lal.
 Balwant Singh Harbans Singh.—Chandni Chowk, near Tower.

BANSI LAL & SONS LTD.—Imported Woollen, Silks and
 Cotton Piece-goods Merchants. Regd. Office: 'N' Block,
 Piccadilly Buildings, Connaught Place, New Delhi. Phone:
 8912. Grams: "NAVSEAT." Sales Depot: Outside Katra
 Nawab Shah, Chandni Chowk, Delhi. Directors: Ram
 Parkash Aggarwala and M. K. Gupta.

Behari Lal Beni Pershad.—Maha Laxmi Market, Chandni Chowk
 Behari Lal Lakha Mal.—Laxmi Bazar, New Cloth Market.
 Behari Lal Madan Lal.—Maha Laxmi Market, Chandni Chowk.

B. LILARAM & SONS (DELHI).—14-15-F, Connaught Place,
 New Delhi.

Charan Singh Bindra.—Katra Lewa, Chandni Chowk.
 Delhi Cloth and General Mills Co., Ltd.—Delhi Kishanganj.
 Deougar Mal Lachhi Ram.—Nal Sarak.
 Dwarka Das Murlidhar.—Cloth Market, Queen's Road.
 Gnan Singh & Co.—Laxmi Bazar, Cloth Market.

GLAMOUR.—20-F, Connaught Place, New Delhi.
 Jothi Mal Gnan Chand Jain.—Cloth Market.
 Jugai Kishore Murlidhar.—Cloth Market.
 Kallash Co.—Laxmi Bazar, New Cloth Market.
 K. Hasearain & Co.—Chandni Chowk (near Fountain).
 Kedar Nath Dwarka Das.—Laxmi Bazar, New Cloth Market.
 Kela Chand Dev Chand & Co., Ltd.—Laxmi Bazar, New Cloth
 Market.

Loke Nath Ram Saran Das.—Cloth Market.
 Mahabir & Girish.—Mahabir Bazar, Cloth Market.
 Malik Gobind Ram Rajinder Kumar.—Mahabir Bazar, Cloth Market.
 Mohan Brothers Ltd.—Clock Tower, Chandni Chowk.
 Morarka & Co., Ltd.—Laxmi Bazar, Cloth Market.
 Oriental Cut Pieces Ltd.—Chandni Chowk, behind Kumar Talkies.
 Pratap Mills Co., Ltd.—Mahabir Bazar, Cloth Market.
 Raj Kumar Chander Kumar.—Laxmi Bazar, Cloth Market.
 Raj Narain Anant Ram.—Laxmi Bazar, Cloth Market.
 Rameshwar Das Dwarka Das.—Laxmi Bazar, Cloth Market.
 Rameshwar Das Potodiyia.—Cloth Market.

Sagar Mal Jagdish Pershad.—Laxmi Bazar, Cloth Market.
 Sara Bhal Murari Lal.—Mahabir Bazar, Cloth Market.
 Shiv Lal Atma Ram.—Katra Nawab, Chandni Chowk.
 Shub Karan Das Chiranjilal.—Kucha Natwan, Chandni Chowk.
 Style.—13/E, Connaught Place, New Delhi.
 Surat Ram Atma Ram.—Laxmi Bazar, Cloth Market.

COAL

Amir Chand & Sons.—Western Extension Area, Karol Bagh.
 Arjan Dass Gupta & Bros.—25, Fatehpur, Delhi.
 Bharat Coal Co.—Ajmeri Gate.
 Chandan Mal Inder Kumar.—Chandni Chowk.
 Chander Bhan Anand Parkash.—Chawri Bazar.
 Coal Agents Ltd.—Behind Kumar Talkies, Chandni Chowk.
 Coal Marketing Co. of India Ltd.—Chandni Chowk.
 Karam Chand Thapar & Bros. (Coal Sales) Ltd.—Naya Bazar.
 New Bharat Charcoal Co.—Chawri Bazar.
 Nilkanth Industries, Ltd.—4, Daryaganj.
 Ram Narain Satya Pal.—Jawala Bank Building, Chandni Chowk.
 Sikri Bros.—Connaught Circus.
 S. N. Sunderson & Co. (Office).—Original Road, Paharganj.

COAL TAR, PITCH, ROAD TAR, ASPHALT, BITUMEN, ETC.

Arjan Dass Gupta & Bros.—25, Fatehpur, Delhi

COLOURS

Asian Chemical Works.—Queen's Road, Nahar Sadat Khan, Delhi.
 Blakadas Ramchander.—Khari Baoli, Katra Tambaco, Delhi.
 Calcutta Art Press.—Katra Buriyan, Fatehpur, Chandni Chowk,
 Delhi

Chunnilal Kanhyalal.—Khari Baoli, Delhi.
 Dadajee Dhackjee & Co.—Khari Baoli, Katra Tambaco, Delhi
 General Paint and Colour Mart.—Sitaram Bazar, Delhi.
 Harbhagwan Rangwala.—Khari Baoli, Katra Tambaco, Delhi.
 Kaloo Mall Prithvi Raj.—Khari Baoli, Delhi.
 Khatan Valabhdas & Co.—Khari Baoli, Katra Tambaco, Delhi.
 Kohinoor Paint, Colours and Varnishes.—Katra Buriyan, Fatehpur,
 Chandni Chowk, Delhi

Kokamal & Sons.—Khari Baoli, Katra Tambaco, Delhi.
 Narayandas Jagjivan & Co.—Khari Baoli, Katra Tambaco, Delhi.
 National Colour Company.—Khari Baoli, Delhi
 Ram Lubhaya Baignath.—Khari Baoli, Katra Tambaco, Delhi.

CROCKERY & CUTLERY

Jankidas & Co.—23/F, Connaught Place, New Delhi.
 R. K. O. Lionel Ellison & Co.—General Merchants and Commission
 Agents, Connaught Place, New Delhi.

SERI SUDARSHAN STORES.—A-Block, Connaught Place,
 New Delhi.

CURIOS DEALERS

THE ART MUSEUM.—Manufacturers of Brass, Ivory, Grass
 Mats and Indian Cotton Prints, 1726, Burn Bastion Road,
 Delhi 6.

CYCLES & CYCLES ACCESSORIES

BOMBAY & CALCUTTA CYCLE CO.—278, Esplanade Road,
 Delhi. Phone: 24262.

CYCLE MFRS., DEALERS AND IMPORTERS

Ahuja Cycle Mart.—Esplanade Road, Delhi.
 Amarasing Pareelal.—Esplanade Road, Delhi
 Appal & Co.—Lady Hardinge Road, New Delhi
 B. Dass & Co.—Fountain area, Chandni Chowk, Delhi
 Bansilal & Co.—Esplanade Road, Delhi.

BOMBAY & CALCUTTA CYCLE CO.—278, Esplanade Road,
 Delhi. Phone: 24262.

C. L. Sachdev & Co.—Esplanade Road, Delhi
 Continental Cycle Importing Co.—Esplanade Road, Delhi

CYCLE & GRAMOPHONE STORES (ESTD.: 1933).—47, Espla-
 nade Road, Delhi 6. Grams: "MALIKJI." Importers of
 Cycles, Accessories, Saccharine and Betel-nuts.

Emnaths.—Connaught Place, New Delhi.

Ganesh Cycle Store.—Fountain area, Chandni Chowk, Delhi
 Gupta Motor Cycle Works.—Hamilton Road, Delhi.
 Hemchand & Sons.—Jama Masjid Area, Delhi.

Hitkari Brothers (Bombay) —51, Chandni Chowk, Delhi.
 Imperial Cycle Mart —Esplanade Road, Delhi.
 Imperial Cycle & Motor Co —Fountain Area, Chandni Chowk, Delhi.
 Indo Commercial Corporation —Esplanade Road, Delhi.
 Jitendra Auto Engineers.—Faiz Bazar, Daryaganj, Delhi.
 Jiwani & Co.—Dariba Kurd, Chandni Chowk, Pharutawali Gall, Delhi.
 Kallash Stores —Punchquin Road, Bhagirath Malls Building, New Delhi.
 Kanahal Cycle Trading Co.—Esplanade Road, Delhi.
 Kapur Brothers.—Back of Moti Talkies, Chandni Chowk, Delhi.
 Khanna Cycle Co —Multani Dhand, Paharganj, New Delhi.
 Kholi Brothers.—Esplanade Road, Delhi.
 Khyber Cycle Mart.—Esplanade Road, Delhi.
 Kumar Brothers & Co.—Esplanade Road, Delhi.
 Mehta Cycle and Motor Works.—Esplanade Road, Delhi.
 M. R. Malhotra & Co. of Jhelim.—Fountain Area, Chandni Chowk Delhi.
 Munjal Brothers.—Esplanade Road, Delhi.
 Narayan Behari & Co., 606, Nanghara, Kinari Bazar, Delhi 6.
 National Cycle Co.—Subzi Mandi, Delhi.
 National Cycle Mart.—Esplanade Road, Delhi.
 National Cycle Works.—Esplanade Road, Delhi.
 New Delhi Cycle Mart.—Connaught Place, New Delhi.
 N. Kishore & Co —Esplanade Road, Delhi 6.
 Pindi Cycle Agency.—Esplanade Road, Delhi.
RAM SWARUP GUPTA.—278, Esplanade Road, Delhi, Dealers in Cycles, Cycle Parts, Motor Parts, General Importers and Hardware Merchants.
 Rama Cycle Stores.—Ram Dawara Road, Paharganj, New Delhi.
 Sat Brothers.—Lady Hardings Road, New Delhi.
 Sethi & Co.—Queen's Road, Nahar Sadat Khan, Delhi.
 Sharma Motor Cycle Co.—Hamilton Road, Delhi.
 T. C. Khosla & Co.—Esplanade Road, Delhi.
 The Krishna Cycle House.—Esplanade Road, Delhi.
 The Punjab Cycle Parts Co.—Esplanade Road, Delhi.
 The Royal Cycle Co.—Esplanade Road, Delhi.
 Veer Cycle Co.—Esplanade Road, Delhi.

CYCLES, MOTOR AND MOTOR CYCLES

BOMBAY & CALCUTTA CYCLE CO.—278, Esplanade Road, Delhi. Phone : 24262.

Delhi Motor & Cycle Co.—48, Queensway, New Delhi.
 Eastern Trading Co —Madrasa Road, Kashmir Gate, Delhi.
 Indo Commercial Corporation. —211, Esplanade Road, Delhi
 Ram Eashwar & Co —11, Esplanade Road, Delhi.

DAIRIES

Butterways Dairy Farm.—Kashmeri Gate.
 Cow-field Dairy.—648, G. B. Road.
 Dairy Farm Pinjrapol —Delhi Kishanganj.
 Dayal Bagh Dairy Ltd.—Connaught Circus, opp. Scindia House.
 Edw. Keventer Ltd.—Kitchen Road, Connaught Place, Kashmir Gate & Nai Sarak.
 Excelsior Dairy Co.—Old Gurgaon Road.
 Health Dairy.—"B" Block, Connaught Place.
 New Royal Dairy —58, Daryaganj.
 Raj Dairy.—Nai Basti, Inside Phatak Habash Khan.
 Simla Dairy Ltd.—"B" Block, Connaught Place.
 United Dairies Ltd.—Connaught Circus.

DEAF APPLIANCES

Punjab Spectacles Co., Fountain, Delhi

DENTAL GOODS

Herben Ltd.—N-79, Connaught Circus, New Delhi

DIESEL ENGINES

ESCORTS (AGENTS) LTD.—Pratap Buildings, Connaught Circus. Phone : 40146 (4 lines). Grams : "ESCORTS". Post Box No. 187, New Delhi.

DRAPERS

Jankidas & Co.—23/F, Connaught Place, New Delhi.

DRESS MAKERS

B. LILARAM & SONS (DELHI)—14-15-F, Connaught Place, New Delhi.

Burn & Co.—Subzi Mandi, Delhi.
 Dherao Ram & Brothers.—Panchquin Road, Regal Building, New Delhi.

Glamour.—20-F, Connaught Place, New Delhi.
 H. S. Bhagat.—Panchquin Road, Regal Building, New Delhi.

ROY BROTHERS (CHEAPJOHN) LTD.—Drapers & Tailors, Queensway, New Delhi.

DYES, IMPORTERS, DEALERS, ETC.

Hiralal Devidas & Co.—Khari Baoli, Katra Tambaco, Delhi.
 Jai Hind Dye Cutting Works.—Maliwara, Back of Moti Bazar, Chandni Chowk Area, Delhi.
 Kaloomal Shorimal Sachdev.—Khari Baoli, Katra Tambaco, Delhi.

DYEING, PRINTING AND BLEACHING

Motiram Sarendar Kumar.—Bhagti Katra, Chandni Chowk, Delhi.
 The New Calico Dyers & Cleaners.—Bhagirath Palace, Chandni Chowk, Delhi.

ELECTRICAL CONTRACTORS (LICENSED)

Acme Electric Co —23, Prem House, Connaught Place, New Delhi.

ELECTRICAL ENGINEERS

MATCHWEL ELECTRICALS (INDIA) LTD.—(Managing Agents : Kasseis Ltd.), Subzi Mandi, Delhi. Phone : 24111. Grams : "MATCHWEL". Electrical Engineers, Government Contractors and Manufacturers of famous low consumption M.E.I. Kasseis, Anand and Lucky A. C. and Azad D. C. Fans. Selling arrangements all over India.
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ELECTRICAL GOODS & APPLIANCES

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 Bansal Electric Stores.—Dariba Kalan Bazar.
 B. Datta & Sons.—Paharganj.
 Bhagwan Singh & Sons.—19-C, Connaught Place, opp. Odeon.
 Bhalla Electric Co.—Paharganj.
 Bharat Electric Co.—Connaught Place.
 Bharat Electric & General Stores.—Subzi Mandi Tram Terminus.
 Bindra Electric & Trading Corporation.—579, Dariba Kalan.
 British Insulated Callender's Cables Ltd.—Connaught Circus.
 Calcutta Electric Co.—Dariba Kalan Bazar.
 Champion Electric & Engineering Works.—Chandni Chowk, near Fort.
 Common Electric Co., The.—Shri Mahalakshmi Market, near Reserve Bank of India, Chandni Chowk, Delhi.
 Commercial Electric Co.—Chandni Chowk, near Gurdwara.
 C. R. E. Wood & Co., Ltd.—Faiz Bazar.
 Delhi Wires Ltd.—24, Daryaganj.
 Eastern Electric & Trading Co.—23-E, Connaught Circus.
 Electric Trading Co.—Chandni Chowk, near Gurdwara.
 Electronics Ltd.—Connaught Place, New Delhi.
 Empire Industries.—Malkaganj.
 English Electric Co., Ltd.—Gobind Mansion, Connaught Circus.
ESCORTS (AGENTS) LTD.—Pratap Buildings, Connaught Circus. Phone No. 40146 (4 lines). Grams : "ESCORTS". Post Box No. 187, New Delhi.
 Expert Electric & Radio Co.—Chandni Chowk, near Gurdwara.
 General Electric Trading Co.—Chandni Chowk, near Gurdwara.
 General Electronic Corporation.—Connaught Place, Post Box No. 316, New Delhi.
 Imperial Electric Mart.—Sadar Bazar.
 Imperial Electric & Radio Mart.—Chandni Chowk, near Gurdwara.
 Jagota Electric Trading Co.—13, Maha Laxmi Market, Chandni Chowk.
 Jankidas & Co.—23/F, Connaught Place, New Delhi.
 Jyoti Swarup Goela & Sons.—New Delhi.
 Kapurja Ltd.—72, G. B. Road.

KHYBER ELECTRIC STORES.—Connaught Circus, New Delhi. Phone : 43888. Grams : "KHYBER". Electrical Engineers and Government Contractors, Installations, of all types undertaken ; House of latest Electrical appliances ; Branches : Dehra Dup and Lucknow.

Lakshmi Electric Co.—Chandni Chowk, near Fountain.
 Lloyds Electric & Engineering Co.—Connaught Circus.
 Mahavir Electric Co.—Chandni Chowk, near Gurdwara.
 Manchanda Electric Co.—Bazar Dariba Kalan.
 Matchwel Electricals (India), Ltd.—Subzi Mandi Tram Terminus.
 Modern Radio & Electric Stores.—Chandni Chowk, near Gurdwara.
 Narain Electric Stores.—Chandni Chowk, near Gurdwara.

Nath & Co.—Connaught Place.
National Conduits Ltd.—Kashmere Gate, Delhi.
Natar Krishena Sehgal's Ltd.—490, Connaught Circus.
N. Kishore & Co.—Esplanade Road, Delhi 6.
Oriental Electric Co.—Chandni Chowk, behind Imperial Bank.
Paragon Electric Co.—Bengal Central Bank Building, Connaught Circus.

Parkash Electric Stores.—Chandni Chowk.
Phillips Electrical Co. (India) Ltd.—Daryaganj.
Premier Electric Co., Ltd.—Chandni Chowk, near Gurdwara.
Radio Supply & General Electric Co.—Kashmere Gate.
Raghu Dayal & Co.—Fatehpur.
Raghu Engineering Works, Ltd.—5, Daryaganj, Delhi.
R. C. Durant & Co.—Connaught Circus.
Roshan Electric Co.—Bazar Dariba Kalan.

RUSSA ELECTRIC WORKS.—Everything Electric, Chandni Chowk, Delhi 6.

Sagar Electric Trading Co.—Bazar Dariba Kalan.
S. Bhalla Electric Stores.—Mori Gate.
Sehgal Electric Trading Co.—Dariba Kalan.
Shree Narsingh Sahav Mudun Gopal Electric Co., Ltd.—(Chandni Chowk Film Colony), Delhi.

S. P. Kishore & Co.—Chandni Chowk, near Gurdwara.
Superior Electric Co.—Delhi, 17, Faiz Bazar.
Triok Chand & Co.—8-G, Connaught Circus, N.D.
Uday Electrical Equipment Co.—"K" Block, Connaught Circus, New Delhi.

United Electric Co.—Chandni Chowk, near Gurdwara.
United Electric & Radio Co.—Chandni Chowk.
West End Traders.—574, Dariba Kalan Bazar.

ELECTROPLATERS, ELECTROTYPERS AND GILDERS

India Electroplating Works.—Jama Masjid Area, Delhi.
Moradabad Art Emporium.—771, Chandni Chowk, Delhi.
Yadav & Co.—Ajmere Gate, Delhi.

ELECTRO MEDICAL & SURGICAL GOODS

ESCORTS (AGENTS) LTD.—Pratap Buildings, Connaught Circus, Phone No. : 40146 (4 lines). Grams : "ESCORTS." Post Box No. 187, New Delhi.

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Amritsar Fancy Embroidery.—Mallwara, Back of Moti Bazar, Chandni Chowk Area, Delhi.

DEEPAK INDIA.—11-A, Connaught Place, New Delhi.
Hindustan Embroidery.—Ashrafi Katra, Chandni Chowk, Delhi.
Prakash Embroidery Works.—Paharganj, Main Bazar, New Delhi.
Shardha Embroidery.—Chandni Chowk, Delhi.

THE ART MUSEUM.—Manufacturers of Handkerchiefs, Napkins, Sarees, Runners, Dinner & Luncheon Sets, 1726, Burn Bastion Road, Delhi 6.

EMPTY TUBES AND BARRELS

Arjan Dass Gupta & Bros.—25, Fatehpur, Delhi.
Harichand Kashmirilal.—Lahori Gate, G. B. Road, Delhi.
Shivchandra Rampartap.—Lahori Gate, G. B. Road, Delhi.
Universal Tin Works.—Lahori Gate, G. B. Road, Delhi.

ENAMELWARE

Jankidas & Co.—23/F, Connaught Place, New Delhi.

ENGINEERING STORES

G. D. Selgell & Co.—Kashmere Gate, Delhi.
New Lahore Engineering Co.—Fatehpur, Chandni Chowk, Delhi.

ENGINEERS AND CONTRACTORS

Associated Textile Engineers.—Chawri Bazar, Delhi.
Chand Engineering Co.—Lahori Gate, G. B. Road, Delhi.
Dara & Co.—Baird Road, New Delhi.
Delhi Engineering Workshop and Foundry.—Aji Building, Choona Mandi, Paharganj, New Delhi.
The Delhi Iron Syndicate.—Ajmere Gate, Delhi.
Hindustan Machinery Store.—Naya Bazar, G. B. Road, Delhi.

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HARI CHAND JAIN & SONS.—20, Daryaganj, Delhi 7. (Estd. 1938). Grams: "SURESHBROS". Phone: 6878. Imports: Yarn Piece-goods, Chemicals, Machines, Needles, etc. Exports: Coal-Charcoal, Timber, Allied-Wood, Oils, Hosiery, Piece-goods.

Himalaya Manufacturing & Sales Co.—Park Mansions, Daryaganj, Delhi. Branch: Nawab Buildings, 327, Hornby Road, Bombay and 20, Netaji Subhas Road, Calcutta. Importers and Stockists of wide range refrigeration equipment, including condensing units, freon valves, tools, controls and fittings. Also general machinery, restaurant equipment and provisions.

Indo Commercial Corporation.—211, Esplanade Road, Delhi. Importers, Exporters and Wholesale Cycle Dealers. Cables: "Evacuee."

Jamuna Trades Corporation.—Chandni Chowk, Delhi.

Jhalani Bros.—Behind Imperial Bank, Bismul Colony, Chandni Chowk, Delhi.

KAPURCHAND & BROTHERS.—5805, Sadar Bazar, Delhi. Agents and Importers of Hosiery, Sundry, Haberdashery, Knitting Wool, Cutlery.
Kishanath Kishinchand.—Ashrafi Katra, Chandni Chowk, Delhi.

KISHORILAL & SONS.—Chawri Bazar, Delhi 6. Prop.: Sunderlal Bhargava. Phone: 8089. Grams: "KAGAZ-WALA".

Lachman Dass Ramchand.—Chawri Bazar, Delhi.

Mera Chemicals.—Lahori Gate, G. B. Road, Delhi.

MILAWA RAM LAKHMI CHAND.—Hosiery, Umbrellas, Trunks, Canvas Shoes and General Merchants & Direct Importers, Sadar Bazar, Delhi.

Modern Scientific Instrument Co.—Chawri Bazar, Delhi.

National Refrigeration Works.—2, Faiz Bazar Road, Delhi.

N. Kishore & Co.—Esplanade Road, Delhi 6.

Norfolk Syndicate (India) Limited.—(Opposite Scindia House), Connaught Circus, New Delhi.

Northland (India) Limited.—(Opposite Scindia House), Connaught Circus, New Delhi.

Oriental Stores.—Hamilton Road, Delhi.

Packer Wates & Co.—Chandni Chowk, Delhi.

Pohoomal Broc. (India).—Chandni Chowk, Delhi.

Raj Gupta & Co.—Fazl Bazar, Daryaganj, Delhi.

Ram Eashwar & Co.—11, Esplanade Road, Delhi.

Ram Narain Gupta & Bros.—Naya Bazar, Delhi.

Ramkishin Sethi & Sons.—Chandni Chowk, Delhi.

Ramkishore Sharma & Co.—Chandni Chowk, Kucha Ghasi Ram, Delhi.

Seth & Co.—Naya Bazar, G. B. Road, Delhi.

Seth Ramnarain Gupta & Bros.—Naya Bazar, Delhi.

Style —13-E, Connaught Place, New Delhi.

Sudam & Co.—Esplanade Road, Delhi.

Suraj Bhan Agarwal.—Chawri Bazar, Delhi 6

TREVILLION & CLARK.—21-B, Connaught Place, New Delhi.

Phone : 40736 ; Grams : "TREVILLION" ; Drapers. Branch : Poorchand & Sons, Mussorie.

Victo.—Esplanade Road, Delhi.

INDUSTRIAL ENGINEERS

DELHI GARAGE LIMITED.—Connaught Circus, New Delhi.

INSURANCE AGENTS

Iyer & Sons, Ltd.—Scindia House, New Delhi. Principal Agents : London & Lancashire Insurance Company Ltd.

IRON AND STEEL MERCHANTS

Bhagratmal Govind Persad.—Chawri Bazar, Delhi.

Bhagwan Sahai & Co.—Chawri Bazar, Delhi.

Delhi Iron Syndicate.—20, Barakhamba Road.

FAKIR CHAND MOHANLAL, (Estd : 1840).—Chawri Bazar, Delhi. Stockist :—Files Nicholson, Hinges, Rivets, Bolts, Screws, Saws and all kinds of Fancy Building Fittings. Authorised Dealers :—Tata Iron & Steel Co., Ltd., Steel Corporation of Bengal Ltd.

Gangabishan Aggarwal.—Chawri Bazar, Delhi.

Godrej, Godrej & Boyce Mfg. Co., Ltd.—168, Chandni Chowk, Delhi.

Iron Traders Ltd.—Lal Kua, Delhi.

Khandelwal Bros. Ltd.—Chawri Bazar, Delhi.

Jagannath & Co.—Naya Bazar, G. B. Road, Delhi.

Jwalanath Bhagwandas.—Chawri Bazar, Delhi.

Lachmandas Jaidyal.—Chawri Bazar, Delhi.

Lachmandas Ramchand.—Chawri Bazar, Delhi.

Manilal & Co.—Chawri Bazar, Delhi.

Munialal Ramdayal.—Chawri Bazar, Delhi.

Munshila Omperkash.—Chawri Bazar, Delhi.

Parkash Iron & Steel Co.—Hauz Kaji, Delhi.

Peayarelal Kanumal.—Chawri Bazar, Delhi.

Ramchand Bengallimal.—Chawri Bazar, Delhi.

Rattanlal Rajkisan.—Chawri Bazar, Delhi.

Tata Industries Ltd.—Connaught Circus.

JARIWALA (SAREE BORDERS)

Bhukhandas Nathubai Suratwala.—Kinari Bazar, Delhi.

B. LILARAM & SONS (DELHI).—14-15F, Connaught Place, New Delhi.

Chaganlal Jalkashindas.—Kinari Bazar, Delhi.

Chhaganlal Motiram Suratwala.—Kinari Bazar, Delhi.

Dayabhai Ranchhodhbhai Patel.—Kinari Bazar, Delhi.

Glamour.—20-F, Connaught Place, New Delhi.

Hasmukhlal Jalkashindas.—Kinari Bazar, Delhi.

Hind Stores.—771, Chandni Chowk, Delhi.

Jagjivandas Keshavram.—Kinari Bazar, Delhi.

Manherlal Mohanlal.—Kinari Bazar, Delhi.

Motiram Narsinghdas.—Kinari Bazar, Delhi.

Om Parkash Agarwal.—Kinari Bazar, Delhi.

Om Sewaram Chhotelal.—Kinari Bazar, Delhi.

Prabhudas Bhaichand & Co.—Kinari Bazar, Delhi.

Punjab Zari House.—Kinari Bazar, Delhi.

Ramanlal Chunilal.—Kinari Bazar, Delhi.

Ramanlal Gulabdas.—Kinari Bazar, Delhi.

Ramesh Chandar Ganesh Kumar.—Kinari Bazar, Delhi.

Sha Vasantlal Panachand.—Kinari Bazar, Delhi.

JEWELLERS

Babu Jewellery House.—Bazar Dariba Kalan.

Babu Mull & Co.—Kashmere Gate.

Bashehar Nath & Sons.—Bazar Dariba.

Bhagwan Das & Sons.—Bazar Dariba.

Bharata-Ji-Di-Hatti.—Chandni Chowk.

Bhahandas Barkatram & Co.—Connaught Circus, New Delhi.

Cook & Kelvy.—Scindia House, Connaught Circus.

Dina Nath.—Connaught Place.

GIRDHARILAL BROS.—Diamond Merchants, opp. Scindia House, New Delhi.

Gopal Das Nawal Rai.—Shanker Terrace, Fountain.

Hamilton & Co. Ltd.—Connaught Place.

Hari Chand & Sons.—Dariba Kalan.

Indian Art Palace (Regd.).—3, Kashmere Gate.

Ivory Palace.—Connaught Place.

Jagadhar Mal Dhannu Mal Jain.—Dariba Kalan.

Jagat Kishore.—Chandni Chowk.

Jagat Narain & Sons.—Chandni Chowk and 64, Queensway.

Jugal Kishore & Sons.—Chandni Chowk.

Kali Charan & Sons.—Chandni Chowk.

Kamala Jewellery House.—Subzimidandi.

KANJIMULL & SONS.—Jewellers, Scindia House, Queensway, New Delhi.

Khanna & Co.—Chandni Chowk.

Kharaiti Lal & Sons.—80, Queensway, New Delhi.

Kotal Arts.—Connaught Place.

Krishena & Sons.—Connaught Place.

I.P.Q.R. (Indian Jewellery Trading Co.)—Chandni Chowk.

Maha Laxmi Jewellery House.—Chandni Chowk (Fatchpuri).

Mahboob Singh Jain.—Dariba Kalan.

Mahboob Singh Kanjit Singh.—Dariba Kalan.

Mahrae-Di-Hatti.—Dariba Kalan

MAL NEM CHAND JAIN.—Jewellers & Bankers, 1788, Damba Kalan, Delhi. Phone : 24859 ; Grams : "FANCYJEWEL".

Mani Lal Sham Sundur.—Dariba Kalan.

Manick Chand.—Chandni Chowk.

Manohar Lal & Sons.—Near Odean, Connaught Circus.

Manoharlal & Son.—Connaught Circus, New Delhi

Miri Mal Nem Chand Jaini.—Dariba Kalan.

Mukha Mal Gokal Chand.—Chandni Chowk.

Nanak Chand Radha Kishen.—Dariba Kalan.

Panna Lal Roshan Lal.—Chandni Chowk.

Pearey Lal Amar Nath.—Dariba Kalan.

Pooran Mal Nannu Mal Jain.—Dariba Kalan.

Raj Narain & Sons.—Dariba Kalan.

Raja Jewellery House.—Dariba Kalan.

Rawalpindi Jewellery House.—Chandni Chowk and Subzimidandi.

R. L. Jagdishwar Lal.—Dariba Kalan.

Roshan-Di-Hatti.—Dariba Kalan.

SARASVATI.—Gallery of Indian Art ; Jewellers & Art Dealers ; 19-E, Connaught Place, New Delhi. Phone : 44967 ; Grams : "MANICK".

Shantivijay Jewellers.—52, Queensway, New Delhi

Shibban Lal Raghbir Singh.—Dariba Kalan

Shiv Charan & Sons.—Dariba Kalan.

Shri Ram Hari Ram.—Dariba Kalan.

Sultan Singh Jain.—Dariba Kalan.

The Art Museum —1726, Burn Bastion Road, Delhi 6

Uttam Singh Kala Singh, B.—Dariba Kalan.

Vir-Jee-Di-Hatti.—Dariba Kalan.

KNITTING WOOL

GREENWAYS.—Knitting Wool Specialists, 20-E, Connaught Place, New Delhi. Phone : 43962.

LACES, RIBBONS, TRIMMINGS AND EMBROIDERY MERCHANTS

Bhagwandas Labhuram & Co.—Chandni Chowk, Delhi.

Bharat Embroidery & Lace Mill.—Roshan Ara Road, Delhi.

Guptajee.—Connaught Place, New Delhi.

Munshilal Ajit Parshad.—Chandni Chowk, Delhi.

The Art Museum.—1726, Burn Bastion Road, Delhi 6.

LADIES DRESS MAKERS

B. LILARAM & SONS (DELHI).—14-15F, Connaught Place, New Delhi. Phone : 7080.

GLAMOUR.—20-F, Connaught Place, New Delhi.

Jankidas & Co.—23-F, Connaught Place, New Delhi.

LADIES HAND BAGS

Guptajee.—Connaught Place, New Delhi.

Jankidas & Co.—23-F, Connaught Place, New Delhi.

THE ART MUSEUM.—Manufacturers of velvet bags with gold and silver thread works ; 1726, Burn Bastion Road, Delhi 6.

LEATHER GOODS

Anand Trunk House.—Chandni Chowk (near Fatehpuri).
 Desraj Bhagwandas.—opp. Chartered Bank, Chandni Chowk, Delhi.
 Duffadar Dull Chand & Bros.—6, Regal Building, Parliament Street.
 Hindu Trunk House.—Chandni Chowk, opp. Central Bank.
 Imperial Leather Works.—Connaught Circus, New Delhi.
 Jankidas & Co.—23-F, Connaught Place, New Delhi.
 Kashmir Stores.—Connaught Place.
 Leather & Artistic Craft Ltd.—Fazl Bazar (Daryaganj).
 Leatherite.—Connaught Place, New Delhi.
 New Cawnpur Saddlers House (Regd.).—Chandni Chowk.
 The Art Museum.—1726, Burn Bastion Road, Delhi 6.

LEATHER GOODS TEXTILES

Verma Leather Factory Ltd.—Kashmere Gate.

LIGHT FITTINGS

The Novelties Ltd.—Scindia House, New Delhi.

LIME MERCHANTS

Bharat Stone Lime Co.—Naya Bazar, G. B. Road, Delhi.
 Delhi Stone & Lime Syndicate.—Katra Raji, G. B. Road, Delhi.
 Diwan Lime Co.—Naya Bazar, G. B. Road, Delhi.
 Jagannath & Co.—Naya Bazar, G. B. Road, Delhi.
 Lakshmi Stone Lime Co.—Katra Raji, G. B. Road, Delhi.
 Mahabir Pershad & Sons.—Chawri Bazar, Delhi 6.
 Multan Lime & Stone Co.—Naya Bazar, G. B. Road, Delhi.
 National Cement & Lime Stores.—Katra Raji, G. B. Road, Delhi.
 Punjab Lime & Stone Co.—Naya Bazar, G. B. Road, Delhi.

LITHOGRAPHERS

Rainbow Calendar Co.—No. 3, Daryaganj, Delhi. Manufacturers of High Class Calendars, Pictures by Photo-Offset Process.

LOCK AND SAFE MERCHANTS

Godrej, Godrej & Boyce Mfg. Co., Ltd.—168, Chandni Chowk, Delhi.

LUBRICATING OILS AND GREASES

Arjan Das Gupta & Bros. 25, Fatehpur, Delhi.

LUBRICATION EQUIPMENT

DELHI GARAGE LIMITED.—Connaught Circus, New Delhi.

MACHINERY MFRS., IMPORTERS AND DEALERS

Ambce Machinery Mart.—Naya Bazar, Delhi.
 Arjan Singh Khemchand.—Lahori Gate, G. B. Road, Delhi.
 Aster Engineering Co. (Regd.).—Naya Bazar, Delhi.
 Balbir Bros., Ltd.—Importers and Merchants of Paper, Stationery, Printing Machinery and other allied Material, Jama Masjid, Delhi.
 Batlibof & Co.—Lahori Gate, G. B. Road, Delhi.
 Bery Engineering Co.—Naya Bazar, Delhi.
 Bhagwandas & Sons.—Naya Bazar, Delhi.
 Bharat Engineering Corp. (of Lahore).—Naya Bazar, G. B. Road, Delhi.

Bharat National Foundry and Workshop —Motia Khan, New Delhi.
 Bombay Machinery Co.—Lahori Gate, G. B. Road, Delhi.
 Dewan Sohan Lal & Co.—Naya Bazar, G. B. Road, Delhi.
 Dherumal Kapur & Sons.—Lahori Gate, G. B. Road, Delhi.
 Doyal & Co., H. M.—Lahori Gate, G. B. Road, Delhi.
 Ganesons Machinery Corporation.—Naya Bazar, G. B. Road, Delhi.
 G. D. Siegel & Co.—Church Road, Kashmir Gate.
 G. J. Bros. & Sons.—Lahori Gate, G. B. Road, Delhi.
 G. L. Khanna & Sons.—65, G. B. Road.
 Gurun Das & Co.—Lahori Gate, G. B. Road, Delhi.
 Hans Raj & Co., J. R.—Naya Bazar, Delhi.
 Harischandra & Co.—Naya Bazar, G. B. Road, Delhi.
 Harish Bros. (Regd.).—Naya Bazar, Delhi.
 Hindustan Machinery Store.—Naya Bazar, G. B. Road, Delhi.
 Ice & Refrigeration Machinery Stores.—Lahori Gate, G. B. Road, Delhi.

Imperial Engineering Co.—Naya Bazar, Delhi.
 Indo-Europe Trading Co.—Chandni Chowk.
 J. Mahabir & Co., Ltd.—Importers and Merchants of Paper, Printing Machinery and other allied Material, Jama Masjid, Delhi. Telegrams: "Sunflower," Delhi. Telephone: 6154.

Jai Bharat Trading Co.—Naya Bazar, Delhi.
 Karam Singh Gian Singh Chhabra.—Naya Bazar, Delhi.
 K. B. Sons.—Naya Bazar, G. B. Road, Delhi.
 Lahore Machinery Corporation.—Katra Raji, G. B. Road, Delhi.
 Lakshmi Kai Bhandar.—Naya Bazar, G. B. Road, Delhi.

Machinery & Oil Store Co.—Naya Bazar, Delhi.
 Manilal & Brothers.—Chawri Bazar, Delhi 6.
 Mano Ramesh & Co.—Lahori Gate, G. B. Road, Delhi.
 Mill Store Co.—Naya Bazar, Delhi.
 Modern Machinery Store Co.—Naya Bazar, Delhi.
 National Engineering Co.—Naya Bazar, Delhi.
 Parhawk Co.—11, Esplanade Road, Delhi.
 Power Tools & Appliances Co.—Kashmere Gate.
 Punjab Machinery Mart.—Katra Raji, G. B. Road, Delhi.
 Punjab Steel Works.—Naya Bazar, G. B. Road, Delhi.
 Ram Narain Gupta & Bros.—Lahori Gate, G. B. Road, Delhi.
 Refrigerators (India) Ltd.—Scindia House, Connaught Circus.
 Reliable Machinery Supply Co.—Katra Raji, G. B. Road, Delhi.
 Seth & Co., A. N.—Katra Raji, G. B. Road, Delhi.
 Seth & Sons, S. R.—Naya Bazar, G. B. Road, Delhi.
 Sharma Engineering Co.—Naya Bazar, Delhi.
 Talwar & Co.—Lahori Gate, G. B. Road, Delhi.
 U. K. Industrial Corporation.—Katra Baryan, Fatehpuri, Delhi.
 United Steel Industries.—Naya Bazar, G. B. Road, Delhi.
 Vijay Kumar & Co.—Lahori Gate, G. B. Road, Delhi.
 Volkart Bros.—70, Queensway.
 Worthington Simpson Ltd.—123, Balrd Road.

MANUFACTURERS AND DEALERS

B. L. Ramrichpal Lothian Road, Kashmir Gate, Delhi.
 Multani Ayurvedic Pharmacy, 30-II, Connaught Circus, P.O. Box No. 400, New Delhi.

SURESH HOSIERY MILLS.—20, Daryaganj, Delhi 7. Grams: "SURESBROS". Machineries 2 Interlock, 6 Sinkerboby, 4 Set Socks, Power bleaching Plant, Socks & Vests Manufacturers, Wholesalers.

MANUFACTURERS' REPRESENTATIVES

Coxwell & Company. 2, Tulz Bazar, Delhi.

D. S. BAWA & CO.—14, Barakhamba Road, New Delhi; Tel. Add.: "BHARAT"—New Delhi; Phone: 8935.

India's Import & Export Syndicate.—International Merchants, 784, Burn Bastion Road, Delhi.

Mitra Pharmacy.—Wholesale Chemists and Druggists, Ballimaran, Chandni Chowk, Delhi 6.

Sikandarlal Shamlal & Co.—Katra Subhash, Chandni Chowk, Delhi.
 T. S. Thadham & Sons.—Fountain Area, Chandni Chowk, Delhi.

METAL MANUFACTURERS AND MERCHANTS

AGRAWAL METAL WORKS, LIMITED.—Hajjar Road, Rawari (Punjab). Manufacturers of all kinds of Brass, Copper and Aluminium utensils, Sheets and Circles.

Bharat Metal Works—Original Road, Delhi.
 The Punjab Metal Works.—Ballimaran, Chandni Chowk, Delhi.

MILL AND GIN STORE SUPPLIERS

CHEUTTAN LALL MATTU MAL.—Chawri Bazar, Delhi 6.
 Delhi Machinery Stores, The.—Chawri Bazar, Delhi.
 Delhi Mill Stores.—Chawri Bazar, Delhi.
 Devkundan Krishan Kumar.—Lahori Gate, G. B. Road, Delhi.
 J. M. Bodiwala & Sons.—Chawri Bazar, Delhi.
 Khanna & Sons, G. L.—Lahori Gate, G. B. Road, Delhi.
 Seth & Co., A. N.—Katra Raji, G. B. Road, Delhi.

MOTOR, CYCLE & MOTOR-CYCLE PARTS DEALERS

Delhi Motor & Cycle Co.—48, Queensway, New Delhi. Parts & Accessories for Studebaker Cars and Trucks and Hindustan Cars.
 Eastern Trading Co.—Madrasa Road, Kashmir Gate, Delhi.
 Indo Commercial Corporation.—211, Esplanade, Delhi.
 Northern India Motor Co.—Connaught Circus, New Delhi.

MOTOR PARTS AND ACCESSORIES

Aggarwala Automobiles.—Queen's Road, opp. Railway Station, Delhi.
 Bharat Motor Company, The.—Queen's Road, opp. Railway Station, Delhi.
 Coronation Motor Works.—Queen's Road, opp. Railway Station, Delhi.
 Delhi Motor & Cycle Co.—48, Queensway, New Delhi. Parts and Accessories for Studebaker Cars and Trucks and Hindustan Cars.
FEDERAL AUTO STORES.—Kashmere Gate, Delhi 6.
 General Motor Stores.—Queen's Road, opp. Railway Station, Delhi.
 Howrah Motor Co. Ltd.—Kashmere Gate.

INDO TRADING CO.—Importers order Suppliers, Dealers in Motor Parts, Tyres, Tubes and Accessories, Kashmere Gate, Delhi 6. Phone : 5539.

Jain Motor Car Co., The.—Queen's Road, opp. Railway Station, Delhi.
Lakshmi Motor Company, The.—Queen's Road, opp. Railway Station, Delhi.

National Motor Stores.—Roshanara Road, Delhi.
Olympia Motors.—Hamilton Road, Delhi.
Orient General Agencies.—Hamilton Road, Kashmere Gate, Delhi 6.
P. S. Jain Motor Co.—Queen's Road, opp. Railway Station, Delhi.
Seth & Sons Ltd.—Queen's Road, opp. Railway Station, Delhi.
Universal Trading Corporation.—Hamilton Road, Delhi.

NEWSPAPERS AND PERIODICALS

Amar Bharat (Hindi).—Pataudi House, Delhi
Anjam (Urdu).—Lal Kuan.
Bandematram (Urdu).—Faiz Bazar.
Caravan (English monthly).—Connaught Circus, Delhi.
Hindustan Times (English).—Connaught Circus.
Evening Chronicle (English).—Mori Gate.
Evening News (English).—Connaught Circus.
Hindustan (Hindi).—Connaught Circus.
Hindustan Standard (English).—Itam Nagar.
Milap (Urdu).—B-Block, Connaught Circus.
Nav Bharat Times (Hindi).—Daryaganj.
Netaji (Hindi).—Connaught Circus.
Partap (Urdu).—Punchquin Road.
Sarlita, (Hindi—monthly).—Connaught Circus, New Delhi.
Statesman (English).—Connaught Circus.
Swarajya (Urdu).—Bur Shalfulla.
The Times of India (English).—Daryaganj, Delhi.
Tej (Urdu).—Naya Bazar.
Vir Arjun (Hindi).—Naya Bazar.
Vir Bharat (Urdu).—Delhi.
Vishwamitter (Hindi).—Connaught Circus.
Watan (Urdu).—Chandni Chowk

NEWSREEL & DOCUMENTARY FILM PRODUCERS

RANGOON STUDIO.—58, Queensway, New Delhi ; Phone : 7861.

NOVELTIES

THE ART MUSEUM.—Manufacturers of Ivory, Brass and Embroidery, Giftwares and Velvet Bags, 1726, Burn Bastion Road, Delhi 6.

OPTICIANS

British Optical Co.—Ballimaran, Chandni Chowk, Delhi.
Charandas Khanna & Sons.—Queen's Road, Nahan Sadat Khan, Delhi.
Comrades Optical Co.—Ballimaran, Chandni Chowk, Delhi
Fazal Haq & Sons.—Ballimaran, Chandni Chowk, Delhi.
Lawrence & Mayo (India) Ltd.—Queensway Road, New Delhi.
Klparam & Sons.—Connaught Circus, New Delhi.
Modern Optical.—Chandni Chowk, Delhi.
Mumick Ltd.—Connaught Place, New Delhi.
Punjab Spectacles Co.—New Fountain, Delhi.
Punjabi Optical Co.—22, Queen's Road, Delhi 6.
Universal Optical Co.—Ballimaran, Chandni Chowk, Delhi.
Wallsun Optical Co.—Bazar Fatehpur, Chandni Chowk, Delhi.
The Art Museum, 1726, Burn Bastion Road, Delhi 6.

PAINTS, ENAMELS AND VARNISHES

A. S. Sobha Sing & Sons.—Chandni Chowk, Delhi.
Bharat Paint House (Regd.).—Chandni Chowk, Delhi. Phone : 24365.
Prop. : Sita Ram, B.A., Assistants : O. P. Varma and H. P. Varma, M.A. Established 1940. Telegrams : "Bharatpaints."
Buildwell Stores.—Katra Raji, G. B. Road, Delhi.
B. Uttam Singh Kesar Singh.—Chandni Chowk, Delhi.
Delhi Colour and Paint Mart.—Fatehpur, Chandni Chowk, Delhi.
Delhi Paints Corporation.—49/1, M Block, opp. Nirulas, Connaught Circus, New Delhi.
Dewanchand & Sons.—Katra Raji, G. B. Road, Delhi.
Dherumal Kapur & Sons.—Lahori Gate, G. B. Road, Delhi.
Gladstone Lyall & Co. Ltd.—Connaught Circus, New Delhi.
Gwallor Paint & Chemical Industries, Ltd.—Kashmere Gate.
HIMALAYA TRADING CO.—Fatehpur, Delhi 6.
Hoyle Robson Barnett & Co. (India), Ltd.—Kashmere Gate.
India Paint, Colour and Varnish Co. Ltd.—Chandni Chowk, Delhi.
India Trading House.—Fatehpur, Chandni Chowk, Delhi.
Jagannath & Co.—Naya Bazar, G. B. Road, Delhi.
Jansar Paint House.—Sadar Bazar.
Lalit & Co.—Fatehpur, Chandni Chowk, Delhi.

Maheswanj Chemicals.—Delhi Shahdara.
Maira Sales Corporation.—Faiz Bazar, Delhi.
Narnamsingh & Sons.—Chandni Chowk, Delhi.
National Paint House.—Chandni Chowk, Delhi.
Nikkamall & Sons, S.—Naya Bazar, G. B. Road, Delhi.
Northern India Paint & Colour Co.—Naya Bazar, Delhi.
Ramparkash & Sons.—Fatehpur, Chandni Chowk, Delhi.
Santram Nikka Mal.—Fatehpur, Chandni Chowk, Delhi.
Shadi & Co.—Fatehpur, Chandni Chowk, Delhi.
Shallimar Products Ltd.—Connaught Circus.
Spraylac Paints Corporation.—9, Faiz Bazar, Delhi.
Sunderlal Jain.—Lahori Gate, G. B. Road, Delhi.
Suresh Bros.—Lahori Gate, G. B. Road, Delhi.
Swastika Colour & Paint Industries.—Katra Raji, G. B. Road, Delhi.
Tayal Brothers.—Katra Raji, G. B. Road, Delhi.
United Commercial Syndicate.—Fatehpur, Chandni Chowk, Delhi.

PAPER MERCHANTS

A. C. Goel & Sons.—Chawri Bazar.
Amar Singh Dhoomi Mal.—Chawri Bazar.
Bansi Dhar Kapoor & Sons (Regd.).—Chawri Bazar.
Behari Lal Madan Lal.—Maha Laxmi Market, Chandni Chowk.
Bengat Paper Mills Co. Ltd.—Behind Jama Masjid.
Bhagwat Parshad & Sons.—Chawri Bazar.
Bhola Nath Rachho Mall.—Fatehpur.
Birdhi Chand Naunag Ram.—Khari Baoli.
Birdhi Chand Jain & Sons.—Chawri Bazar.
B. N. Mehra & Co.—Importers, 5199, Sadar Bazar, Delhi 6.
Chhutan Lal Chaman Lal.—Chawri Bazar.
Dalmia Cement & Paper Marketing Co. Ltd.—Scindia House, Queensway.
Dasodhu Mal Kapur.—Chawri Bazar.
Eastern Paper Mart.—Chawri Bazar.
Frank Bros. & Co.—Chandni Chowk, near Dariba.
Ganga Saran & Sons Ltd.—Chawri Bazar.
Ghasita Mal Mela Ram.—Chawri Bazar.
Inder Mohan & Co.—Chawri Bazar.
India Paper Pulp Co. Ltd.—Nai Sarak.
J. B. Advani & Co. Ltd.—Chawri Bazar.
J. Mahabir & Co., Ltd.—Importers and Merchants of Paper, Printing Machinery and other Allied Material, Jama Masjid, Delhi. Telegrams : "Sunflower," Delhi Telephone : 6154.
J. N. Singh & Co. Ltd.—Esplanade Road.
Jai Dayal Kapur & Sons Ltd.—Chawri Bazar.
Jothi Parshad Mahabir Pershad.—Baza Tooti, Sadar Bazar.
Jhangli Mal Percy Lal.—Chawri Bazar.
J. S. Bhalla & Bros.—Behind Jama Masjid, Chawri Bazar.
J. Mahabir & Co. Ltd.—Near Jama Masjid, Dariba.
Kalamazoo Parchment Paper Co.—37-G, Connaught Circus.
Karam Chand Thapar & Bros. Ltd.—Naya Bazar.
K. C. BHARGAVA & CO.—Post Box No. 1247, Delhi.
KISHORI LAL & SONS.—Chawri Bazar, Delhi 6. Importers, Manufacturers of Stationery and Account Books. Prop. : Sunderlal Bhargava.
K. N. Dawar & Co.—12-L, Connaught Circus, New Delhi. Stationers & Printers. Phone : 43965.
Munshi Lal Parkash Chand.—Chawri Bazar.
Munshi Lal & Sons.—Chawri Bazar.
Nand Ram Suraj Mal.—Chawri Bazar.
Nannu Mal & Sons.—Chawri Bazar.
Naunag Ram Sumair Chand Jain.—Chawri Bazar.
Nem Chand Rajender Kumar.—Chawri Bazar.
New India Paper Mart.—Chawri Bazar.
Paras Das Lalit Pershad.—Chawri Bazar.
Premier Trades & Agencies.—Chawri Bazar.
P. L. Bachu Mal.—Chawri Bazar.
Raghu Dayal Pannu Lal.—Chawri Bazar.
Raja Lal & Sons.—Chawri Bazar.
Ram Parshad Radhey Sham.—Charkhewalan, Chawri Bazar.
Ram Chand Jugal Kishore.—Chawri Bazar.
Ram Lal Kapoor & Sons.—Nai Sarak.
Ram Nath & Sons.—Chawri Bazar.
Ram Kishore Chaman Lal.—Khari Baoli.
Saroop Chand Jain.—Chawri Bazar.
Sengal & Co.—Opp. Marina Hotel, Connaught Circus.
Sher Singh Kirpa Ram.—Chawri Bazar.
Siddhu Mal & Sons.—Chawri Bazar.
Simbu Nath & Sons.—Chawri Bazar.
S. S. Mian & Bros.—Chawri Bazar.
Sunder Lal Nathi Mal.—Chawri Bazar.
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 Gupta & Co.—Khari Baoli, Delhi.
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 Shanta Stores.—Fatehour, Chandni Chowk, Delhi.

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 Gopal Chitra Kuteer.—73, Ansari Road, Daryaganj, Delhi.
 G. S. Virdee Lal Chand.—Kutab Road.
 Imperial Photo Studio.—Connaught Place, near Post Office.
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 Kinsey Bros.—Connaught Place.
 K. L. Arora & Sons.—Baird Road, New Delhi.
 Kumar Bros.—Esplanade Road.
 Lakshmi Photo Co.—Chandni Chowk, opp. Imperial Bank.
 L. Dass & Sons.—Connaught Place.
 Lily-white Portrait Studio.—Connaught Circus.
 Mahatta & Co.—M Block, Connaught Circus, New Delhi
 Mangai & Co.—Chandni Chowk, near Dewan Hall.
 Metro & Co.—Chandni Chowk, near Imperial Bank.
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 Mulk Raj & Son.—Nal Sarak.
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 Oriental Art Studio.—Esplanade Road.
 Photo Service Co.—Connaught Place, New Delhi.
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 Ram Nath Photographer.—Kashmiri Gate.
 Rangoon Studio.—58, Queensway, New Delhi.
 R. R. Gupta & Sons.—Baird Road, New Delhi.
 Royal Photos Co.—Connaught Circus.
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Simla Studios.—Regal Building, Connaught Circus.
 Soul Studio.—Esplanade Road.

Star Photo House.—Esplanade Road.

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 Indian Hume Pipe Co., Ltd.—Delhi Sarai Rohilla.
 J. B. Norton & Sons, Ltd.—Kashmere Gate.
 John Tinson & Co. Ltd.—Queensway
 K. Fairfield & Co.—Sita Ram Bazar, Delhi.
 Mahabir Pershad & Sons.—Chawri Bazar, Delhi 6.
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 Cambridge Printing Works.—Kashmere Gate.
 Capital Press.—Sadar Bazar.
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 Chandra Printing Press.—Naya Bazar.
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 Indian Press.—441, Queen's Road, behind Novelty.
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 Indraprastha Printing Press.—Queen's Road, behind Novelty.
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 Jal Bharat Printing Works.—Teliwara.
 Jamna Printing Works.—Peepal Mahadev, Lal Kuan.
 Janty Printing Works.—Near Jama Masjid.
 Japan Art Press.—Hauz Kazi, Ajmeri Gate.
 Jayyad Press.—Ballimaran, Chandni Chowk.
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 KAY EMM Press.—3/512, Mohd. Hussain Road, near Joshi's Hospital, Karol Bagh.
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 Pearson Press.—Faiz Bazar.
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 Punjabi Press.—Bara Tooti, Sadar Bazar.
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 Ram Krishana Press.—Katra Neel, Chandni Chowk.
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 Vijay Press.—Naya Bazar.
 Vir Arjun Press.—Naya Bazar.

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Rama Brothers.—Chandni Chowk, Delhi.

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"Harrison's Uppal"—9577, Bhargarh-Roshanara Road, Subsimandi, Delhi.

Job & Co.—Gali Tantawali Faiz, Bazar, Daryaganj.
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Brig Tailoring House.—Choona Mandi, Pahargunj, New Delhi.

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Sind Sagar Tailors.—Main Bazar, Pahargunj, New Delhi.

Style.—13-E, Connaught Place, New Delhi.

TREVILLION & CLARK.—21-B, Connaught Place, New Delhi.
Phone: 40736. Grams: "TREVILLION". Drapers.
Branch: Poorachand & Sons, Mussoorie.

TEA AND COFFEE MFRS. AND SUPPLIERS

Brooke Bond (India) Ltd.—Kashmere Gate, Delhi.

Lipton Ltd.—Mori Gate, Delhi.

Miller & Co.—Connaught Place, Delhi.

Mukban & Co.—Fountain Area, Chandni Chowk, Delhi.

TIMBER MERCHANTS

Burma Timber Traders.—Original Road, Delhi.

Delhi Timber Supply Co.—Katra Barian, Fatehpur, Chandni Chowk, Delhi.

Sohgal Timber Co., The.—Arora Building, Original Road, Delhi.

S. Gopal Singh & Sons.—Original Road, Delhi.

Sita Ram Timber Supply & Wood Works.—Katra Barayam, Delhi 6.

V. Karnal Singh & Co.—Original Road, Delhi

TOBACCONISTS

De Luxe Stores.—Regal Building, Parliament Street, New Delhi.

Jankidas & Co.—23/F, Connaught Place, New Delhi.

TOILET ARTICLES

Jankidas & Co.—23/F, Connaught Place, New Delhi.

New General Store.—4-G, Connaught Circus, New Delhi

TOOL MERCHANTS

P. SHARAN & CO.—Post Box 1145, Kashmere Gate, Delhi. For everything in Automobile Garage Tools and Service Equipment. Telephone: 25314. Cables: "SHARAN."

TOURIST AGENTS

Iyer & Son, Ltd.—Scindia House, New Delhi. Phone No. 42081.
Grams: "Iyranon". Tourist Agents approved by Government of India and International and Indian Air Transport Associations.

TOYS AND FANCY GOODS

THE ART MUSEUM.—1726, Bura Bastion Road, Delhi 6.

Bestways & Co.—Near Imperial Bank, Chandni Chowk (Main), Delhi.

B. L. Ramrichpal.—Lothian Road, Kashmere Gate, Delhi.

Sunbeam Cottage Industries, 20, Daryaganj, Delhi.

TRANSPORT COMPANIES

Bharat Transport Co.—Naya Bazar, Delhi.

First National Transport Co.—Naya Bazar, Delhi.

Goods Transport Co.—Naya Bazar, Delhi.

Green Bus Ltd.—Church Mission Road, Delhi.

Ithad Motor Transport Ltd.—Fatehpuri, Delhi.

Jaggi Oberoi Transport Co.—Naya Bazar, Delhi.

Jai Motor Transport Co.—Naya Bazar, Delhi.

Lyallpur Doabi Transport Co.—Naya Bazar, Delhi.

New Golden Transport Co. Ltd.—Roshanara Road, Delhi.

New India Transport Co. Ltd.—Roshanara Road, Delhi.

Prem Nath Transport Co. Ltd.—Connaught Circus, Delhi.

Ravi Goods Transport Co.—Naya Bazar, Delhi.

Royal Goods Transport Co.—Naya Bazar, Delhi.

Simla Hills Transport & Service Ltd.—Connaught Circus, Delhi.

Vir Bharat Motor Transport Co.—Naya Bazar, Delhi.

TRAVELLING AGENTS

Beecham's India Air Guide.—Beecham's Press Ltd. Building, M-Block, M-6, Connaught Circus, New Delhi 1.

TRAVELLING REQUISITES

Jankidas & Co.—23/F, Connaught Place, New Delhi.

TRUNK MFRS. AND DEALERS

Bharat Hardware Mfg. Co.—Naya Bazar, G. B. Road, Delhi.
 Dayal Trunk Factory.—Naya Bazar, G. B. Road, Delhi.
 General Trunk Manufacturers.—Naya Bazar, G. B. Road, Delhi.
 Harnamdas Gumanilal.—Naya Bazar, G. B. Road, Delhi.
 Isardas Tillaram (of Multan).—Naya Bazar, G. B. Road, Delhi.
 Kartarsing & Sons, S. (of Rawalpindiwal).—Naya Bazar, G. B. Road, Delhi.
 Khalsa Trunk Factory.—Naya Bazar, G. B. Road, Delhi.
 Lalpatral (Lahorewala).—Naya Bazar, G. B. Road, Delhi.
 L. Chanuram Vazirchand.—Naya Bazar, G. B. Road, Delhi.
 Lunidaram Mulchand.—Naya Bazar, G. B. Road, Delhi.
 National Trunk Factory.—Naya Bazar, G. B. Road, Delhi.
 Quetta Steel Trunk Factory.—Naya Bazar, G. B. Road, Delhi.
 Ramlal Banarsilal.—Naya Bazar, G. B. Road, Delhi.
 Sardar Fateh Singh Harnamsing (Lyallpurwala).—Naya Bazar, G. B. Road, Delhi.
 Sardar Gulabasing Ramsingh.—Naya Bazar, G. B. Road, Delhi.
 Seth Gandaram Basantlal.—Naya Bazar, G. B. Road, Delhi.
 Sham Singh (of Jhelum).—Naya Bazar, G. B. Road, Delhi.
 Western Vijay Industries Co.-op. Society Ltd.—Naya Bazar, G. B. Road, Delhi.

TYPE MANUFACTURERS AND DEALERS

National Type Foundry.—Jama Masjid Area, Delhi.
 Standard Type Foundry.—Chawri Bazar, Delhi.

WASHING AND DYEING COMPANIES

ECLIPSE DRY CLEANING CO.—Next to Spencers, New Delhi.
 Eclipse for those who prefer the best Dry Cleaning Company.
 Friends Dyers and Dry Cleaners.—Pahargunj, Main Bazar, New Delhi.
 Klenwel.—Connaught Circus, New Delhi.
 Multan Fancy Laundry (of Multan).—Lahori Gate, G. B. Road, Delhi.
 Novex.—Connaught Place, New Delhi.
 Paris Laundry.—Multani Dhanda, Pahargunj, New Delhi.
 Snow White.—Connaught Place, New Delhi.
 Victoria Dry Cleaners.—Punchquin Road, Regal Building, New Delhi.
 Whiteways, The.—Faiz Bazar, Daryagunj, Delhi.
 Young Dyeing Co.—Punchquin Road, Regal Building, New Delhi.

WATCH MAKERS

Kapur Di Hatti.—Connaught Place, near Odron, New Delhi

WATCHES AND CLOCKS DEALERS

American Watch Co.—Kashmere Gate, Delhi.
 Balkishindas & Sons.—Chandni Chowk, Delhi.
 British Watch Agency.—Fatehpur, Church Mansion, Chandni Chowk, Delhi.
 Bukshiram & Sons.—Chandni Chowk, Delhi.
 English Watch Co. (India), The.—Bhagirath Palace, Chandni Chowk, Delhi.
 Imperial Watch House.—771, Chandni Chowk, Delhi.
 Kapadia & Co.—Connaught Place, New Delhi.
 Krishna Watch Co.—Pahargunj, Main Bazar, New Delhi.
 Lakshminarain & Co.—Chandni Chowk, Delhi.

NEW FRIEND & CO., LTD.,

(Since 1894)

Chandni Chowk, Delhi.

Importers of Watches & Clocks.

Grams: "NEWFRIEND."

Phone : 6382.

Premier Watch Co.—Chandni Chowk, Delhi.
 Puranchand & Co.—Chandni Chowk, Delhi.
 Pyaralall Watch Co.—Chandni Chowk, Delhi.
 Singer Watch Co.—Chandni Chowk, Delhi.
 Singha Watch Co.—Pahargunj, Main Bazar, New Delhi.
 Swastik Watch Co.—Chandni Chowk, Delhi.
 Union Watch Co.—Chandni Chowk, Delhi.

WEIGHING SCALES IMPORTERS & DEALERS

Herben Ltd.—N-79, Connaught Circus, New Delhi

WINE MERCHANTS

EMPIRE STORES.—Wine & General Merchants, Chemists & Druggists. Head Office: Connaught Place, New Delhi.
 Branches: Prithvi Raj Lane, D. G. Club, New Delhi, Delhi Cantt. & The Mall, Simla.
 J. Dlesh & Co.—Balrd Road, New Delhi.

MOHAN BROTHERS.—3, Sadar Thana Road, Delhi 6.
 Philipson & Co. Ltd.—Connaught Circus, New Delhi.
 Spencer & Co. Ltd.—Connaught Circus, New Delhi

WOOLLEN MILLS

Oriental Carpet Manufacturers (India) Ltd.—Connaught Place, New Delhi

WOOLLEN PIECE-GOODS

Amarnath Talwar.—Katra Subhash, Chandni Chowk, Delhi.
 Glamour.—20/F, Connaught Place, New Delhi.
 Gulraj Babulal.—Hiralal Katra, Chandni Chowk, Delhi.
 Jankidas & Co.—23/F, Connaught Place, New Delhi.
 Joti Persad Bhesmdas.—Kartar Chohan, Chandni Chowk, Delhi.
 Kashmir Svadesh Store.—771, Chandni Chowk, Delhi.
 Kundanlal Girdharilal.—Katar Chohan, Chandni Chowk, Delhi.
 Lakshmichand Matwalchand.—Katra Subhash, Chandni Chowk, Delhi.
 Lalimil Woollen Mills Depot.—Nal Sarak, Delhi.
 Mamman Lal.—Pahargunj, Main Bazar, New Delhi.
 Ragubeer Sharan Rakes Kumar.—771, Chandni Chowk, Delhi.
 Royal Stores.—Lady Hardinge Road, New Delhi.
 S. Bahadur Bros.—771, Chandni Chowk, Delhi.
 Style.—13-E, Connaught Place, New Delhi.

X-RAY AND ELECTRO-MEDICAL EQUIPMENTS

Escorts (Agents) Ltd.—Pratap Building, Connaught Circus, Post Box No 187, New Delhi

FOREIGN POSSESSIONS IN INDIA

FRANCE and Portugal are now the only remaining European powers with territorial interests in India after the withdrawal of the British.

FRENCH SETTLEMENTS

Area: 200 sq. miles; Pop: 323,295 (1941); Capital: Pondicherry; Commissioner of Republic: M. A. Menard.

The French establishments in India are:

(1) On the Coromandel Coast: (a) Pondicherry, the capital, together with the adjoining territory, divided into 8 communes, (b) Karikal and the dependent districts divided into 6 communes;

(2) On the coast of Orissa: Yanam, with the dependent villages; the lodge of Masulipatam and the garden Francepeth;

(3) On the Malabar Coast: Mahé with the adjoining territory, and the lodge of Calicut.

The French possessions are ruled by a Commissioner of the Republic, appointed directly by the French Government, and is guided by the French India Representative Assembly. The Assembly has not much powers and its decisions can be overruled by the Commissioner.

Chaudernagore in West Bengal is the first French India possession to become *de jure* a part of the Indian Union after the treaty for its cession, signed in Paris in 1951 by the representatives of the two Governments. The Treaty was ratified by the French Assembly on April 11, 1952.

Negotiations in regard to the transfer of other French Indian possessions in south India have not yet reached a conclusive stage despite repeated efforts of the Indian Government to expedite a settlement.*

On a suggestion of the French Government, the International Court of Justice appointed three neutral observers, two European and one Asian, to study conditions in the French Settlements in India and report back to the Court on the question of the feasibility of holding a referendum.

The observers' mission was to report whether conditions existed for a fair and free plebiscite in the French settlements. According to the Indian Government, the team reported that these conditions did not yet exist.

COMMERCE AND INDUSTRIES

Domestic commerce is insignificant as the area is too small. The chief crops are rice, groundnuts, peas, lentils, vetches, onions and other vegetables, betel, indigo, sugarcane, bananas and other fruits, coconuts and oleaginous grams. The major portion of these products is consumed in the districts themselves the only markets being the towns of Pondicherry, Karikal, Yanam, Mahé.

The chief exports are oil-seeds which are sent from the ports of Pondicherry and Karikal. The imports are mainly manufactured goods, textiles and luxury articles from France and the countries of Europe.

There are at Pondicherry 3 cotton mills. The cotton mills have in all about 2,000 looms and 86,000 spindles giving employment to some 7,000 people. Besides these there is one oil factory, several oil presses for groundnuts and one ice factory.

The only bank is La Banque D'Indochine, which caters for the needs of merchants and traders in the locality.

The Customs Union which was established as a result of negotiations with the Government of India in 1941 expired in 1948 and has so far not been renewed.

A railway line connects Pondicherry with Villupuram, a junction on the Southern Railway.

At Pondicherry alone, there are at present, besides the Law School, and the Medical College, one undenominational college for higher education, one secondary school, 5 public institutions for higher primary education, four schools preparing students for English examinations, fifteen public schools for boys, eighteen public schools for girls and twenty-nine co-educational, all imparting primary education.

PONDICHERRY

Area: 115 sq. miles; Population: 235,000 (estimate)

Pondicherry is the chief of the French settlements in India and its capital is the seat of the Government. The city is situated in the district of South Arcot in Madras State, about 89 miles from Madras.

There is no harbour, but only a roadstead which is the best on the entire coast. Ships lie at a distance from the shore and contact with land is maintained by means of the usual *manula* boats peculiar to this part of South India.

KARIKAL

Karikal is situated in the Tanjore District, and consists of a single tract of territory stretching along the east coast between Tranquebar and Nagore. It is at a distance of 90 miles from Pondicherry. It covers an area of 53 sq. miles and is divided into 6 communes containing 110 villages. The establishment has a population of 60,555, according to the 1941 census. Karikal is the terminus of a line from Paralim on the Tanjore District Railway.

YANAM

The town is situated in the delta of the Godavari covering an area of 6 miles and is an enclave of the District of Godavari in Andhra State. The soil is fertile, and supports a population of 5,711.

MAHÉ

The territory of Mahé on the west coast consists of the town of Mahé on the left bank of the river of the same name; and the isolated district of Nalutara on the right bank containing the 4 villages of Chambara, Chalkara, Palour and Pandaquel. It lies within the District of Malabar in Madras State, and covers an area of 23 sq. miles.

The present population is estimated at 22,000. Rice is grown where water is plentiful.

ADMINISTRATIVE PERSONNEL

Commissioner of Republic: M. A. Menard.
General Secretary: M. C. J. Camouilly.
Chief Secretary: M. J. Bellat.
Chief Justice: M. Ch. Caillier.
Chief of Education Department: M. Sivaradjam.
Chief of Public Works Department: Pierre Coll.
Chief of Political Affairs Office: K. Loganadin.
Chief of Economic Affairs: Pierre Kresser.
Administrator of Mahé: M. Pascal.
Administrator of Karikal: Rene Boucheny.

PORTUGUESE SETTLEMENTS

Area: 1,537 sq. miles; Pop: 624,177 (1941); Capital: Cidade de Goa; Governor-General: General Paulo Benard Guedes.

ADMINISTRATIVE OFFICIALS

Governor-General, General Paulo Benard Guedes.
Commander-in-Chief (Comandante Militar), Colonel Alexandre dos Santos Mayer.
Elected Members of the Governor's Council (Conselho do Governo), Vitolia Vinum Sinal Dempo; Dr. José Luis Marcos de Silva Pereira; Adv. Antonio Avelar Barreto; Vassudeva Atmarama Porobo Dessai Desporobo.
Governor of Daman, Capt. Paulino de Magalhães Correia.

Governor of Diu, Capt. Paiva Couceiro.

H. E. the Patriarch of East Indies, D. Jose da Costa Nunes.

Indian Consul-General in Nova-Goa, Vincent H. Coelho.

Vice-Consul for Goa, G. A. Prabhu.

Supt., Indian Union Customs Office, Marmugao Harbour, G. M. Mureshwar.

The Portuguese settlements in India are three: Goa, Daman, Diu.

All the three settlements are situated within the State of Bombay. Goa is on the Konkani Coast; Daman, along with the small territory of Pragana-Nagar-Avelly lies on the Gujarat coast at the entrance to the Gulf of Cambay; and Diu is a tiny islet and along with the isolated spots, Gogola and Simbor lies on the southern fringe of the Saurashtra peninsula.

GOVERNMENT

The Governor-General is the head of the administration and is stationed in the capital (Cidade de Goa formerly known as Nova-Goa and also Panjim).

Associated in the task of government is the *Conselho do Governo* possessing restricted legislative and advisory powers. The Governor-General is its *ex-officio* president. Five members are elected by means of a very exclusive franchise, three to represent the *Vilhas Conquistadas*, one the *Novas Conquistadas* and one the districts of Daman and Diu. Five others are nominated to represent the minorities, agriculture, commerce and the press.

Daman and Diu have each a District Governor.

In each district there is a District Council for the supervision of the various municipalities and other local bodies in its jurisdiction. For administrative purposes the district is divided into *Concelhos*, each *Concelho* being in the charge of an official styled the *Administrador*, and for judicial purposes it is divided into circuits or *Comarcas* each having its own court of original jurisdiction.

An appeal lies from the decisions of these courts to the *Tribunal de Relacao* or High Court sitting in the capital and side by side with the latter there is also a *Tribunal Administrativo* to dispense justice under *droit administratif*.

A striking feature of the rural administration is the continuance of the ancient Indian institution of the village community which has disappeared elsewhere in India. In places where the resistance to Portuguese domination has continued almost to our own day, as in the southern communes of Goa, Assolna, Cuncolim and Velim, the village communities were suppressed and their estates confiscated by the Government.

The village community is an autonomous institution, socialist in its organization under which land is held in common by the original settlers of the village here called the *Gaunkaras*, thus preventing concentration of land in the hands of a few and promoting a rough equality, while preventing the domination by privileged few. The management is vested in a committee elected by the constituents.

The advent of Dr. Oliveira Salazar to power and the establishment of his *Estado Novo* has led to increasing centralization in the administration of Portuguese India. All measures of importance must be initiated by and carry the sanction of the home government in Lisbon. The Governor's Council, *Conselho do Governo* which assists him, was shorn of what little legislative powers it formerly possessed. There are no elected municipalities and local boards in the villages. Each municipality is in charge of an administrative committee nominated by the Governor-General, who also appoints the presidents of all charitable and cultural associations in the country.

* A conference between the Government of India and the French Government started in Paris on May 15, 1954 to settle the future of the French possessions in India.

A stringent censorship controls the freedom of the press, and every article, book or pamphlet has to be submitted to the board of censors before it appears in print. Infringements of the press laws are severely dealt with and newspapers are required to keep security deposits with the Government before being licensed for publication.

Freedom of association is likewise controlled. No public meeting or assembly, be its purpose ever so innocuous, may be convened without previous permission of the authorities, and every intended talk and speech must bear the censor's visa.

COMMERCE AND INDUSTRIES

The chief agricultural products of Goa are rice, coconuts, cashew-nuts, betel-nuts, mangoes, and sugar-cane. Of these only cashew-nuts, betel-nuts, coconuts and mangoes are exported in any considerable quantities, the rice grown not being sufficient for local consumption. Other exports include copra, bamboos, salt, salt-fish and manganese and iron ore. The only industries worthy of note are soap manufacture, tile manufacture, sugar and tinned food products and jaggery. The imports consist of rice, textiles and other manufactured goods, an unrestricted supply of which is just now available owing to the uneven situation created by the currency export regulations in force in the Indian Union, there being no such regulations in Portuguese India.

For the last four years, the iron and the manganese mining industry has made rapid headway and Goa now is in a position to export one million tons of iron ore and 150,000 tons of manganese ore. These two industries bring in a sum of Rs. 5 crores in American dollars.

Businessmen and industrialists from all over India have been attracted to Goa and a lot of Indian capital has been invested because of the high returns which these mines are yielding.

Most of the trade of Portuguese India is with the Indian Union, Pakistan, Portugal, Portuguese African colonies and the countries of Europe.

There are no banks operating in Portuguese territory with the exception of the Banco Nacional Ultramarino which has offices in the major towns. No Indian bank can open branches in Goa as the Banco Nacional has a monopoly. The Indian Government compelled the Portuguese Bank to close its branch in Bombay because Indian banks were not allowed to trade in Goa.

A railway line maintained and run by the West of India Portuguese Guaranteed Railway Company, once a subsidiary of the Madras and Southern Mahratta Railway, joins the port of Mormugao with the junction of Londa on the

Southern Railway. It fulfils a very important role by providing an outlet to the sea for the products of this part of the Mahratta country.

Mormugao, which is the chief port, is also one of the major ports on the west coast of India and is open to ocean-going vessels of every size from all parts of the world.

EDUCATION AND CULTURE

Primary education is free and compulsory in schools maintained by the State of which there is at least one in every village. There are at present some 200 primary schools controlled and administered by a Board of Primary Education, *Conselho da Instrucao Primaria* with offices in the capital.

In Cidade de Goa there is a Lyceum for the study of Portuguese, a Normal School, and a Medical School.

A Theological Seminary trains young men for the priesthood at Rachol.

Over and above these, there are a number of English teaching High Schools run by private enterprise and by religious orders preparing students for the S.S.C. examination of the Bombay Government and the Entrance Examination of the University of Bombay.

The *Biblioteca Nacional* houses what is perhaps one of the best libraries of rare books and manuscripts on the west coast of India while the *Arquivo* contain an inexhaustible wealth of hitherto unexplored historical material.

DAMAN

Daman in Gujarat includes the two isolated enclaves of Dasa and Fragan-Nagar-Avely, lying to the south-east and crossed by the Daman-Ganga river.

The entire territory has a total area of 62 square miles and a population of some 60,000 inhabitants, mostly of Gujarati extraction.

It is easily reached from Bombay by the Western Railway, being at a distance of 4½ hours' journey.

There are some very interesting historical relics here such as the old fort and a few surviving churches reminiscent of the old times.

DIU

About 150 miles to the north-west of Daman lies the tiny islet of Diu off the southern coast of Saurashtra. It is a small town separated from the mainland by a narrow arm of the sea. Dependent on it and surrounded by the territory of Junagadh is the enclave of Gogola and also the island and fort of Pani Cota in the bay of Simbar.

Diu is reached from Bombay by the Western Railway via Viramgam and Delwada. Access by sea is easier and more rapid but there is no harbour. There is an excellent roadstead where ships can safely anchor in two fathoms of water.

Area: 413 sq. miles. The population is estimated at 10,731.

PRO-MERGER MOVEMENT

A movement for the merger of foreign possessions in India without a referendum particularly in the French settlements started in March 1954. On the 18th of that month resolutions were passed demanding immediate merger in eight municipalities of Pondicherry. Some days later similar resolutions were passed by the six municipalities of Karikal. The resolutions obtained the full support of the French Indian Councillors (Ministers) and the President of the Representative Assembly.

The municipalities that passed these resolutions comprise nearly 90 per cent of the population. Telegrams were sent to the President of the French Republic, members of the French Cabinet, and Presidents of the National Assembly and the Senate.

Mass demonstrations occurred, followed by counter-measures by the French authorities, and trespass into Indian territory by the French police. In the western areas of Pondicherry—Nettapakkam and parts of Bahour—the pro-merger parties obtained effective power.

Three measures were adopted by the Indian Government to prevent trespass: 1. A total ban on the passage of French police across Indian territory to any part of the French possessions, 2. A ban on petrol supplies from India to French possessions, 3. Introduction of a permit system to regulate traffic to and from Pondicherry and Karikal.

The Indian Government proposed an immediate de facto transfer of French possessions, leaving constitutional and other matters to be settled later. The French reply was that under the French constitution no transfer of French territory was possible without the consent of the people, though a sort of 'Condominium' might be acceptable.

The arrest and deportation of a medical practitioner in Goa led to agitation and consequent repression by the Portuguese authorities. The Government of India delivered a diplomatic protest note in which the Government said that they could not remain a silent spectator to the repression of the Goan people. The protest was rejected by the Portuguese authorities.

GOA

Capital: Cidade de Goa (Panjim). Area 1,062 sq. miles. Pop. 544,450 (estimate).

A compact block of territory belonging to the Portuguese on the west coast of India. Goa lies between 14°53' and 15°48' north latitude and 73°45' and 74°24' east longitude. The territory of Goa is bounded on the north by the river Terekhol, on the east by the Western Ghats, on the south by North Kanara and on the west by the Arabian Sea. The extreme length from north to south is 62 miles, the greatest breadth from east to west 40 miles. The area is 1,062 sq. miles.

The whole country is hilly, especially in the eastern portion, the predominating physical feature being the Western Ghats. There are several conspicuous isolated peaks, the highest of which is Sonsogad, which exceeds 4,000 feet in height.

Goa is intersected by several rivers running westward from the Ghats and six of them, which are all navigable, are of great importance. They are from north to south, the Terekhol (10 miles), Chapora (18 miles), Mandovi (38 miles), Zuari (39 miles), Sal (15 miles) and Talpona (7 miles).

Though Konkani is the spoken language of all Goans, Marathi is the literary language of the Hindus. Portuguese is also widely used.

GOVERNMENT

Portuguese India is ruled by a Governor-General, and assisting him in the administration are the Home and Political, Finance, Customs, Education, Military, Naval, Agriculture, Health and Public Works Secretariats. There are also three special and autonomous departments, viz., Posts & Telegraphs, Survey Department and the Fiscal Department of the W.I.P. Railway. Working in collaboration with the Governor-General is the Council (Conselho do Governo), with legislative and advisory powers. The Council consists, in addition to the Governor-General, of an ex-officio President, four officials, five elected members and five members nominated by the Governor-General to represent agriculture, commerce, the Press, minorities and other interests.

There is a High Court at Cidade de Goa with five Judges and one Attorney-General, and Courts of Justice at Panjim, Margao, Mapuca, Bicholim, Quepem and Daman, and Municipal Courts of Justice at Vasco-da-Gama, Ponda, Dlu and Nagaravali.

There is an Indian Consulate-General in Goa to look after the interests of Indian subjects in Goa and other parts of Portuguese India. A vice-consulate has been opened at Vasco.

The important towns in the territory of Goa are Panjim, Old Goa, Vasco da Gama, Margao, Mapuca, Valpol, Sanvordem, Bicholim, Ponda, Sanguem, Sanquelim, Pernem, Quepem and Canacona. The two most important harbours are Mormugao and Cidade de Goa. There are smaller ports at the mouths of rivers, viz., Chapora, Betul and Talpona.

Mormugao is accessible at all times of the year and is therefore the harbour of the greatest commercial importance in the whole territory. It is the terminus of the West of India Portuguese Guaranteed Railway (W.I.P.) running to the coast from the eastern portions of the territory and linked with the Indian railway system at Castle Rock. It is a natural outlet to the sea for the whole area served by the Southern Railway and provides the shortest route both for passenger and goods traffic to the sea. The port is provided with light houses, buoys and all other necessary marks. The port has also a fine breakwater and its quay-wall exceeds a height of 1,000 ft. The harbour can accommodate six large ocean-going steamers at a time. There are a number of electric cranes for loading and unloading purposes, in addition to one 30-ton steam crane, specially erected for dealing with heavy lifts. There are also suitable covered godowns owned by the Railway Company and the Port Trust which are used for storing seed cargo, minerals, etc. The godown rent is comparatively cheap with the result that shipments of oilseeds are effected on a larger scale from Mormugao than ever before.

The extension of the port of Mormugao has now been taken in hand.

Cidade de Goa, the capital of Goa and a fine port, lies at the mouth of the Mandovi river, and includes Panjim and Ribandar. It is the present capital of Goa territory and the seat of the Governor-General. Panjim is the most beautiful city in the whole of Goa, and has been undergoing many remarkable improvements in recent years, notable amongst which is the provision of electricity. There is a regular coastal steamer service between Panjim and Bombay during the summer months, and motor service between Panjim and Belgaum. A regular service of steam launches and motor boats managed by the Goa Government runs between Panjim and Betim-Verem and other important places on river banks.

The city possesses up-to-date hotels such as Mira Mar and Hotel Republica managed by Europeans, and Madhavashrama, Gujarat Hindu Lodge, etc., managed by Hindus.

Vasco da Gama is the chief town of Mormugao District and also a railway, air and wireless station. It is a halting place for Tata's Bombay-Trivandrum Air Service and has a fine aerodrome on the headland adjacent to Mormugao harbour. There is regular air service between Bombay and Goa.

There are also very big oil installations of the Standard-Vacuum Oil Company of New York, the Burmah-Shell Oil Storage and Distributing Company (India) Ltd., and the Caltex (India) Ltd. in the town. The railway station is the most important on the whole of the W.I.P. Railway and the town contains railway workshops, engine sheds and an electric power house. Mormugao harbour is only two miles away from the city.

Margao is a flourishing city in the Salsette District and a great trading centre. Recent amenities are: a municipal garden, library, cricket ground.

Mapuca is situated in the heart of the Bardez District and is the District's chief town. It has a large trade with all the villages in Bardez, Pernem and Bicholim Districts. The market which is very crowded on Fridays, is situated at the foot of a hill.

Valpol is a small town at the centre of the Satari District and an important military station in Portuguese India. The town also contains an observatory.

Sanvordem in Quepem Taluka is sixteen miles away from Margao and is a well known commercial place. Most of Goan mineral produce is stored at this station before it is shipped to the United Kingdom and Continental Ports via Mormugao Harbour. There are two big rice mills which are able to supply rice to adjacent towns and there is also a tile factory. The place has a small harbour, and a regular steam launch service runs between Sanvordem and Cidade de Goa touching all the smaller interior ports. A crowded fair is held every Sunday, which enables the villagers to get their weekly provisions.

COMMUNICATIONS

A railway line connects Mormugao harbour with the Southern Railway. Its length from Mormugao harbour to Castle Rock above the Ghats, where it joins the Indian Union railway system is fifty-one miles, of which forty-nine miles are in Portuguese territory. The Railway is under the management of the Southern Railway, and the bulk of the trade of Mormugao Port consists of what is carried by this railway. The West of India Portuguese Guaranteed Railway (W.I.P. Railway) has recently been yielding handsome profits sufficient not only to pay the guaranteed rate of interest but also to leave a surplus which is paid regularly into the Lisbon Treasury.

There are steam launch services from D. Paula to Mormugao and Vasco da Gama, Panjim to Sanvordem, Panjim to Betim-Verem, Panjim to Piliago-Volvol, and from Panjim to Aldona.

The telegraphs in Portuguese Territories are worked as a separate system from that of India.

There is a proposal to link principal cities by telephone.

The Goa Government has also started an experimental Radio Station which conducts its weekly programmes with the help of local artists.

AGRICULTURE, MINERALS

A little over one-third of the entire territory of Goa is under cultivation. The fertility of the soil varies considerably with quality, situation and water supply. The staple produce of the country is rice, of which there are two good harvests, but the quantity produced is barely sufficient to meet the needs of the population for two-thirds of the year. Next to rice, the most important agricultural pursuit is the cultivation of coconut palms. Hilly places and inferior soils are set apart for the cultivation of cereals. Fruit and vegetables of several kinds are also cultivated. Goa mangoes are very delicious and are in great demand in Bombay and other Indian markets. Large quantities are exported to Europe every year from Bombay Port. The mango season in Goa falls in April and May, although some of the varieties are available in June also. Of all the varieties the best ones are "Malcorada" and "Alphonso" which have excellent flavour and taste. Other important varieties of Goa Mangoes are "Xavier", "Fernandina", "Colaco", "Malgusa", "Costa", "Patri" and "Monserrate". The mango harvest begins with "Malcorada" and ends with "Monserrate".

Some agricultural farms have recently been established.

The forests of Goa, located in the Novas Conquistas, cover an area of 116 square miles, and yield some revenue to the Government by the local sale of building material and the export of firewood.

Iron is found in some parts of the territory, but has not been regularly mined in spite of heavy demand from Continental ports. High Grade manganese ore also exists in Sanguem District. Till lately only a few mines were working, the ore being exported to the Continental and United Kingdom ports. At present there is a heavy demand for high grade manganese ore and more than 95 mines are worked on the initiative of Indian business men.

A company has started mining operations with a capital of Rs. 2 crores. Exports of ore have increased.

The export figures of both, the manganese and iron ore are going up. The export of these commodities to hard currency areas have greatly favoured the local Government to obtain Dollars in exchange which is mostly utilised in imports of Foodstuffs.

INDUSTRIES

There is not much industry worth speaking of though Government encouragement is not lacking. Some industries which have recently been established are soap, sugar, candle, confectionery and ice.

Goa's trade is chiefly a transit trade from the Indian Union. It comprises iron ores, scrap iron, pig iron, groundnut seeds, linseed, cotton seed, castor seed, cotton, oilcakes, salt, mangoes, betel nuts, dry fish and cashew nuts. The last are the most important among the produce exported. Two notable imports are tiles and timber. The need in tiles of the whole southern Maratha country is supplied via the port of Marmugao. These come in large quantities from Mangalore and are re-exported. Some tiles are manufactured at Sanvordem in Goa territory, but the territory as a whole is dependent chiefly on imports from outside. In the same way though Goa has some forest timber has to be imported from North Kanara and Dharwar Districts. The forests of Goa are yet to be properly exploited. A match factory on modern lines has been started in Havell, Ponda District of Goa.

EDUCATION

There is a big demand for English education in Goa as a result of which it has as many as 20 High Schools recognized by the Bombay University. These High Schools impart education on the same lines as in Bombay State. The Portuguese Primary Schools which are scattered all over the territory are well attended as every student has compulsorily to pass the first primary examination before joining an English school. There are over 250 Marathi Schools financed from private funds.

Three new technical schools have been started.

EDUCATIONAL INSTITUTIONS

Central Liceum, Cidade de Goa
Escola Médica de Goa (Medical College), Panjim
Anglo-Portuguese Institute, Mapuca
Catholic Educational Institute, Margao
Adarsha Vanita Vidyalaya, Margao
New Era High School, Margao

PUBLIC INSTITUTIONS, SOCIETIES

Shri Damodar Vidyalaya, Margao
Samaj Seva Sangh, Margao
Seva Samithi, Margao
Service League, Margao
Muhila Mandal, Margao
Santa Casa de Misericórdia, Panjim
Saraswat Brahmin Samaj, Margao

LIBRARIES, READING ROOMS

Public Library, Cidade de Goa
Biblioteca Nacional, Panjim
Saraswati Mandir, Panjim
People's Public Library, Vasco da Gama
Saraswat Brahmin Samaj Library and Reading Rooms, Margao

HOSPITALS

Government Central Hospital, Cidade de Goa
Santa Casa de Misericórdia Hospital, Ribandar
Hospício de Sagrado Coração de Maria Hospital and Sanatorium, Margao

HOTELS

Hotel Antigo Palácio (European style), managed by Spencer & Co., Marmugao
Lobo's Hotel, Marmugao
Hotel Republic, Margao, Nova Goa and Mapuca (European style)
Hotel Mira Mar, Nova Goa (European style)
Gujarath Hindu Lodge, Goa (Hindu style)
Goa Guest House, Margao
Bhats' Hotel, Margao

CLUBS

Club Vasco da Gama, Cidade de Goa
Club A.B.C., Margao (Goa)
Club Nacional, Cidade de Goa
Gremio Literario, Vasco da Gama

OFFICIALS

CIVIL ADMINISTRATOR'S OFFICE, GOA

Director, Domingos Carneiro Allen

PUBLIC WORKS DEPARTMENT, GOA

Director, Abílio Adriano Aires.

MOTOR DEPARTMENT, GOA

President, Sebastião Domingos.

PUBLIC EDUCATION DEPARTMENT

Chief Secretary, Alvaro Ribeiro

POSTS & TELEGRAPHS DEPARTMENT

Director, José Alves de Oliveira Chaves
Deputy Director, Silva Fotu Pol Anglo

SOUTHERN RAILWAY & W. I. P. RAILWAY DEPARTMENTS (MARMUGAO PORT)

Harbour Master, G. C. I. de Souza, R.I.N.R.
Dredging Master, A. Alwyn
Berthing Master, Vacant
Harbour Traffic Superintendent, G. N. Nair
District Engineer & Joint Representative, M. B. Patel
Wharf Inspector, D. A. S. R. Coelho
Handling Inspector, A. S. Kamath

GOVERNMENT AGRICULTURAL OFFICE, GOA

Chief, Eng. Antonio F. Coelho Madureira

GOVERNMENT PRESS, GOA

Administrator, M. Campos Lobo

FISCAL DIRECTOR'S OFFICE

Chief, Eng. Antonio de Serpa Pinto Monteiro
Asst., R. M. Adwalparcar

GOA POSTAL SAVINGS BANK

Administrator, Antonio José Lopes
Departmental Heads, Ananta Pol Cano, Sripada Sinai Quensori,
Aluizio Silverio Viegas

REVENUE & ACCOUNTS DEPARTMENT

Director, Veriato Wolfgango Pereira de Macedo.

HEALTH DEPARTMENT

Director of Health & Hygiene, Armando José de Oliveira Madeira.

CUSTOMS DEPARTMENT

Commissioner, Joaquim Augusto Pereira do Paço
Marmugao Director, N. V. S. Nogueira
Assistant, Ananta R. P. Louido
Coast Chief, Albino Antonio S. Pinto

GOA GOVERNMENT ADMINISTRATORS' OFFICES

Nova Goa Office Administrator, J. F. de Miranda
Margao Office Administrator, Francisco Monte de Silva Miranda
Mapuca Office Administrator, Antonio da Cunha Gomes
Marmugao Office Administrator, L. M. Condorez Pereira
Quepem Office Administrator, Joaquim Filipe Collaco
Sanguem Office Administrator, Francisco Carlos Duarte
Canacona Office Administrator, Bras Barreto
Ponda Office Administrator, Antonio G. Narciso Pereira
Bicholim Office Administrator, Constancio Roque Monteiro
Pernem Office Administrator, Matias M. E. de Lemos
Satari Office Administrator, Augusto Emilio de Spínola

JUDICIAL DEPARTMENT

High Court Judges

President, Carlos Renato Gonsalves Pereira
Judges, Dr. Antonio de Abreu Lobo, Alberto de Silva Basto;
Dr. Antonio Carreira de Graça Miranda

Courts Judges

Nova Goa	Dr. José Gracías
Marmugao	Dr. João Coias
Salcete	A. Seabra
Quepem	Dr. Alvares Colaco
Ponda	Dr. Floriano Barreto
Bicholim	Dr. José de Guedes
Damao	Dr. Alvaro Dias

MUNICIPALITIES

Presidents

Municipalities	Presidents
Goa	Luís Pinto dos Santos Cardoso
Mapuca	Antonio Pinto do Rosario
Margao	Armando Alvares
Mormugao	Antonio de Serpa Pinto Monteiro
Bardez	Dr. Antonio do Pinto do Rosario
Salcete	Dr. Alvaro Loyola Furtado
Ponda	Antonio Gregorio Narciso Pereira
Sanguem	Francisco Carlos Duarte
Quepem	Enclides Cotta
Canacona	Filipe Neri F. B. J. Braz Barreto
Bicholim	Dr. Constancio Roque Monteiro
Pernem	Dr. Matias Esperanca de Lemos
Satari	Augusto Emilio de Spínola
Damao	Dr. Antonio Peregrino Mascarenhas
Diu	Dr. Julio de Brito
Nagar-Aveli	Cap. Virgilio Fidalgo

POLICE DEPARTMENT

Commander, F. de Costa Rezex Romba

RATIONING DEPARTMENT

President, Joaquim de Souza e Meneses.

OTHER OFFICIALS

Dir., Goa Govt. Medical College, Dr. J. M. Pacheco de Figueiredo.
Capt. of Ports, A. D. Moraes Serrao.

TRADES AND PROFESSIONS

BAKERS & CONFECTIONERS

PADARIA NACIONAL

Post Box No. 144

MARGAO, GOA

Tel Address 'STANHOUSE'

(Props : JOHN DESOUZA & IRMAOS)

Importers, General Merchants, Bakers and High Class Confectioners

Interested in Wheat flour, Semolina, Sugar, Food grains General Machinery and Machinery allied to Bakery and everything concerned with modern Bakery and Confectionery. Leading Suppliers of First Class Biscuits and Breads all over Goa.

BANKS & BANKERS

Banco Nacional Ultramarino (Established 1864), Incorporated in Portugal. Head Office Lisbon. Branch Office Cidade de Goa. Sub Branches Margao and Mormugao. Correspondent at Mapuca. Sawkar, L. D. & Brothers, Mapuca, Goa.

BOOKSELLERS & STATIONERS

A. J. Pal, Vasco da Gama
Arthur & Viegas, Cidade de Goa
Bala Bhagwant Joshi, Cidade de Goa
Balaji Ramdas Keni, Margao
Casa Hind, Margao
Cardoso Book Depot, Margao
Gomantak Book Depot, Cidade de Goa
Hindu Book Depot, Margao
House of Good Books, Sunshine Building Margao (Goa)
J. B. Mascarenhas, Vasco da Gama
Janardhan Purushottam Bhohe, Mapuca
Kavlekar Book Depot, Mapuca
Livraria Academica, Cidade de Goa
Livraria Mergulhao, Margao
Livraria Singhal, Cidade de Goa
Nevrenkar Book Depot, Margao
S. G. Kantak & Sons, Vasco da Gama
Sarmalkar Book Depot, Cidade de Goa
Shri Mangesh Agency, Vasco da Gama
Shri Mangesh Agency, Margao
Shri Mangesh Book Depot, Margao.

CHEMISTS & DRUGGISTS

Cosme Matias Menezes, Nova Goa, Margao and Mapuca
Drogaria Andrade & Sa, Nova Goa and Margao
Drogaria Arvind (Prop. Nana Sirdesai), Sunshine Bldgs, Margao
Drogaria Central Nova Goa
Drogaria Luis de Menezes, Mapuca
Drogaria Luso Indiana, Nova Goa.
Drogaria Menezes & Cia, Nova Goa, Mapuca and Margao
Drogaria Ricar, Sunshine Building, Margao (Goa)
Drogaria, Salcette, Margao

CINEMAS

Cine Olympia, Margao
Cine Rex, Margao
Cine Teatro Nacional, Nova Goa
Cine Vasco, Vasco da Gama
Dashrath Cinema, Mapuca
Mhalsa Chitra Mandir, Margao

CLEARING & FORWARDING AGENTS

Baboo Punaji Redkar, Mormugao
Bhikaji Pandurang Valavalkar, Mormugao
Dattaram Jaydeo Prabhu Salgaunkar, Mormugao Harbour
Divakar Balkrishna Patil, Mormugao
Killick Nixon & Co. Ltd's Agency, Mormugao
Kishna Kamat Mami, Mormugao
Lee & Mulrhead, Mormugao
Mormugao Agents, Limited, Mormugao
S. Omerkahan & Sons, Mormugao
Shivram Jivatram, Mormugao
Thakkar Bros. Vasco da Gama, Goa
Venkatesh Ravi Kamat, Mormugao

ELECTRICAL COMPANIES

Burdez Electric Supply Co., Ltd., Mapuca
Companhia Electrica de Salcette Ltda, Margao

ELECTRICAL GOODS

Queiroz & Sons (Unit) P.O. Box No. 72 Lotlekar's Building Margao (Goa)

FISHING NETS

Joia 5 De Outubro Margao (Goa)

GENERAL MERCHANTS

Abdullah Alijee, Cidade de Goa
Agencia Commercial Internacional, Cidade de Goa
Anant B. Nuk, Cidade de Goa

ANANT PANDURANG WALAVALKAR

General Merchant & Commission Agent
VASCO-DA-GAMA (Goa)

Tel. 'DIIIP'

- * Undertakes Shipping, Clearing & Forwarding Work
- * Interested in Steamship agencies at Mormugao Port
- * Exporters of Coconuts, Betelnuts, Salt & other Goa Products
- * Importers of Foodstuffs, Hardware, Textiles, etc.

Baboy S. Verencar & Sons, Margao (Goa-India)
Bento Miguel Fernandes, & Filhos, Ltda, Nova Goa
Calappa Gurupadas, Bhupal Daddikar, Mapuca, Goa
Casa Central, Cidade de Goa
Casa Lucas, Mapuca, Goa
Chandra Stores, Margao
Chowgule & Co., Ltd., Cidade de Goa
Cielho & Co., Cidade de Goa
Cooperativa Economica, Cidade de Goa
Cosme Matias Menezes, Cidade de Goa
D. A. Agni & Brothers, Cidade de Goa
Damodar Mangilji & Co. (India) Ltd., Rua Cunha Rivara, Goa.
Danai & Sons Ltd., Margao

(Estd. 1891)

DATTA ANANT AGNI

Post Box No. 35, CIDADE DE GOA (Port. India).

Telegram: 'PROSPEROUS', GOA.

General Merchants, Importers & Manufacturers' Representatives. Interested to represent reputed overseas mfrs. of Pinned Provision & Foodstuffs, Confectionery, Wines, Toilet Preparations, Stationery, Perfumery, Drugs, Hosiery, Cutlery, Electrical Home appliances, Novelties, etc.
(Suppliers to Retailers in Territory)

Dattaram Sakharan Gawandalkar, Margao.
Dhuri, B. B., Mapuca, Goa.
Dias Brothers, Mapuca, Goa.
Dluar & Brothers, Margao.
Drogaria Prakash Ltd, Margao.
Duelo Bobo & Cia, Cidade de Goa.
E. Sequeira, Cidade de Goa.
Emanuel Harji, Cidade de Goa.
Fatoo Shambhoo, Gad, Mapuca, Goa.
Figueredo & Correia Ltda, Cidade de Goa.
Govind M. Poy Baiturcar & Sons, Margao.

G. S. BAGEWADI & CO.

(Estd 1900)

General Merchants & Commission Agents
Importers and Exporters

MARGAO-GOA

Desiring contacts from reputed buyers interested
in Mines and Ore (Manganese and Iron)

Dealing and interested in Food Grains, Wheat
Flour, Semolina, Provisions, Toilet Requisites,
Paints, Condensed Milks, Cotton, Woollen and
Rayon Piece Goods, Paints, Hardware, Cement,
Machinery of all Types, etc.

Overseas and Indian Manufacturers are requested to send
terms of representation in Portuguese India with quotations
and samples of the commodities if possible.

Gurudas Paulo Margao
Habib Velje Cid de Goa
Hari Vaman Mahatma Cid de Goa
Hari Vithal Sinal Cuncollencor Cid de Goa
Hosseinbhai Ramjee Margao
Jagdish R. P. Phondkar Margao

JAVERIBHAI RAMJEE & CIA LTDA, P O Box No 26, Margao (Goa)
Branches Vasco Da Gama, Mapuca, Panjim and
Damao, Importers, Exporters and Manufacturers' Representatives

Karmali Virjee, Cid de Goa
Kashinath Damodar Naik Margao
Kashinath Damodar Naik Cid de Goa
Kauwelkar & Brothers Cid de Goa
Lailali Javeribhai Mavani Margao
Laljee Devraj & Co Cid de Goa
N B Kamat & Sons Ltd Cid de Goa
N B Kamat & Brothers Margao
Narsinh J Hede Margao
Narsinh Anje Margao
Narudin J. Mavani Margao
N S Bhobe, Mapuca Goa
N S Ghose Margao
Queso & Sinal Cundo Margao
Raiwar & Brothers Margao
Ratturcar & Naik Margao
Rama P. Sinkre & Bros. Turtorim Goa
Ranchand V. Sami ul Station Road Margao (Goa)
Ranchandra Iximin Kamat Margao
Sagoon Jaydev Dhond Cid de Goa
Shantilal Khushaldas & Brothers, Margao
Shivram Jivatram, Cid de Goa
Shivram Jivatram, Margao
Shivram Jivatram, Vasco da Gama Mormugao
Sowdagar Brothers, Margao
Subraya & Co, Margao
Subraya X. Natekar, Mapuca, Goa
Tukaram P. S. Parker, Margao
Vasudev R. Poy Ratturcar, Margao
V. M. Salgaonkar & Brothers, Vasco da Gama, Mormugao
Yalcunta V. S. Quiranti, Margao
V. S. Dempo & Co, Ltd, Cid de Goa
V. V. Amoncar & Brothers, Cid de Goa
V. V. Kamat Tarcar, Cid de Goa
Y. D. & Sadekar Brothers, Margao
Yeshwant Vishnu Naik, Cid de Goa
Yeshwant Vishnu Naik, Margao

GOVERNMENT CONTRACTORS

Govind Morte S. Agazicar, Nova Goa
Madeva B. S. Caoulo, Nova Goa
Mucunda S. Saleikar, Sanguem, Goa
Vasudeva P. Salcar, Vasco da Gama

HARDWARE & BUILDING MATERIALS

Dhungut Co, Nova Goa
Duclo & Bhobe, Nova Goa
Govind M. Poy Ratturcar & Sons, Margao
Kashinath Damodar Naik Margao
Lotlekar Brothers Limited, Margao.
V. M. Salgaonkar & Brothers Margao

HARDWARE & GENERAL MERCHANTS

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HOTELS

Goa Guest House Lotlekar Building near Rly Gate Margao (Goa)
Hotel Imperial Near Bus Stand Panjim Goa
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Airy Rooms, Refreshing Bar and Appetising food.

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Charges Most Moderate

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requested to send quotations with trade terms

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Importers, Exporters Agents Distributors, Wines
Provisions, etc

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CASA COMMERCIAL, GOA**Vasco-da-Gama.** Telegrams: "ECONOMY"*Bankers:* Banco Nacional Ultramarino.*Importers of:* Pharmaceuticals, Chemicals, Textiles, Machinery, Hardware, Building Materials, Foodgrains, Provisions, Fish Oils, etc.*Exporters of:* All Goa Produce, Coconuts, Coconut oil, Betel Nut, Salt, Sharkfish, etc.*Trade enquiries invited*

Interested to represent reputed Manufacturers.

Chowgule & Co., Ltd., Mormugao Harbour.

DAMODAR MANGALJI & CO. (India), LTD., Nova-Goa.

Govind M. Poy Ralturear & Sons, P.O. Box 23, Margao (Goa), India.

Hiralal & Co., Vasco da Gama (Goa).

Jose Santana Rocha, Import, Export, Commission Agents, Raia (Salcette), Goa (India).

Karmali Virjee, Nova Goa.

Lima Leitao & Co., Mormugao (Portuguese India).

Mehta & Co., Ltd., Vasco-da-Gama, Goa.

Nagindas & Co., Vasco da Gama (Portuguese India).

Narcisra Damodar Nalk, Margao (Goa), India.

Optical Trading Company, near Republic Hotel, Margao.

Pancar Sons, Shivram D. Nalk Pancar, Mapuca (Goa).

Ramchand Kevalchand Doshi, Margao, Goa (Portuguese India).

SHANTARAM B. SAMANT

(Estd. 1935)

Clearing, Forwarding, Shipping and Chartering Agents
Mormugao Harbour.

Undertake Clearing and Forwarding work of Local and Transit Cargo. Interested in Imports of General Goods and Export of Goa Produce. Tel: "BROKER".

Shantilal Khushaldas & Brothers, P.O. Box No. 35, Margao (India), Goa.

Tukaram P. S. Parker, Lotlekar's Building, Margao (Goa).

Valentiano F. Pinto, Mapuca (Goa).

Vassu Ganesa Nalk, Margao (Goa).

INSURANCE COMPANIES

Bombay Life Insurance Co. Ltd., Margao, Nova Goa, Mapuca and Sanvordem.

Hindusthan Co-operative Insurance Society Ltd., Margao (Goa).

Industrial & Prudential Insurance Co., Ltd., Mapuca and Goa.

Ruby General Insurance Co., Ltd., Goa.

The People's Insurance Co., Ltd., Margao.

The Sahyadri Insurance Co., Ltd., Margao.

V. R. N. Rasaiakar & Co., Margao (Goa).

JEWELLERS

Anand Rao Marcolcar & Irmaos, Nova Goa.

Cadnkar Brothers, Margao.

Joalbaria Moderna, Margao.

Joalbaria de Sitarama Nagvenkar, Nova Goa.

Joalbaria Verlekar, Nova Goa.

Lotlekar Brothers Ltd., Margao.

Manguexa V. Carolcar, Mapuca.

MACHINERY

H. Ratnakarrao, Station Road, Margao.

The National Rice & Flour Mills, Margao.

The Salcette Machinery Agency, Margao.

MANUFACTURERS' REPRESENTATIVES

B. Sequeira, Campal, P. O. Box No. 21, Nova Goa.

E. X. Pereira, Velcao, Salcette (Goa).

Narayan S. Gharse, P.O. Box No. 94, Margao (Goa).

Vernencar & Filhos, Rua Cunha Rivara, Nova Goa.

MINE OWNERS & MANGANESE ORE EXPORTERS**D. M. KUVELKAR****MARGAO (GOA)**

Explorer of Minerals of Manganese and Iron Ore of high and low grades; Interested to receive offers from reputed overseas and Indian buyers with trade terms.

GANGADHAR NARSINGDAS AGRAWAL

Mines Concessioner

P.O. Box No. 107

MARGAO (GOA)

Grams: "SHREEHARI", Margao

Bankers:—The Banco Nacional Ultramarino Vasco-da-Gama (Goa). The Bank of India Ltd. Bombay.*Exporters of:*—High, Medium and Low Grades of Manganese Ore, Iron Ore, Oxide, Chrome, etc. of Goa (Portuguese India) and Indian Union origin. Buyers and Sellers are requested to contact for particulars.*Purchases are transacted on moderate terms.*

E. Loeffler & Co., Collem.

I. P. Noronha, Mormugao Harbour.

"LABORATORIO ANALITICO e EXPERIMENTAL de MANGANEZ e FERRO

Lotlikar Building, MARGAO

Undertake complete analysis (100%) of Manganese and Iron Ore and also Undertaken Shipment and Stack Sampling at any place.

Dr. HOMI R. NANJI,Ph.D., B.Pharm. (Lond.), F.R.I.C.,
Director.

M. S. Raphael, Sanvordem.

Rajaram N. S. Bhandekar, Vasco da Gama.

Shivram Jivatram, Vasco da Gama.

Xec Abdul Kadar, Sauguem.

MOTOR CARS, TRUCKS & AUTOMOBILE ACCESSORIES

C. C. Xavier George & Cia Ltda., Goa.

Ganesh Motor Service General Syndicate, Mapuca (Goa).

Gurudas Thimlo, Margao.

Kashinath Damodar Nalk, Margao.

K. W. Kenny, Cidade de Goa.

M. S. B. Caculo, Cidade de Goa.

V. M. Salgaonkar & Brothers, Vasco da Gama.

V. S. Dempo & Co., Ltd., Cidade de Goa.

The Union Cycle and Motor Company, Mapuca, Goa.

NEWS AGENTS

Dattatraya Narayan Munj, P.O. Box No. 76, Margao.

Dinanath R. Nalk Sanvordem, Sanvordem (Goa).

Dinkar Kashinath Redkar, Margao.

Gomantak Book Depot, Nova Goa.

Kashinath Damodar Nalk, Margao.

Keshav V. N. Dalal & Son, Nova Goa and Mapuca.

Madeu Pandari Raikar, Margao.

Shri Mangesh Agency, Mormugao, Vasco da Gama, Margao, Nova Goa, Mapuca, Pondal and Sanvordem.

NEWSPAPERS

"A INDIA PORTUGUESA" (Portuguese Weekly), Margao.

"A VIDA" (Portuguese Daily), Margao.

"AITARACHEM VACHOP" (Konkani Sunday Weekly), Goa.

Published by the Salesians of Don Bosco, Panjim, Goa (Rs. 3/- per year).

"BHARATMITRA" (Marathi Monthly Magazine), Rivona, Goa.

"DIARIO DE NOITE" (Portuguese Daily), Goa.

"HERALDO" (Portuguese Daily), Goa.

"O HERALDO" (Portuguese Daily), Goa.

"VAURADEANCHO IXXT" (Konkani Weekly), Pilar (Goa).

OIL SEEDS

Bramhappa Tavanappanavar, Mormugao.

Lee & Muirhead, Mormugao.

Louis Dreyfus & Co., Ltd., Mormugao.

Oilseeds Trading Co., Ltd., Mormugao.

Premji Haridas & Co., Mormugao.

Produce Dealers Limited, Mormugao.

Rallis (India) Ltd., Mormugao.

R. Batilal & Co., Mormugao.

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Grams : "AUTOSERVICE."

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VASANT JOSHI***Distributing Dealers for :***Automobile Products***Bankers :***OLDSMOBILE, OPEL, LAN-
CHESTER, RILEY, WOLSELEY,
MG and MORRIS Cars****BEDFORD Trucks and Buses****SMITH Motor Accessories****APOLLO Car Polish****FIRESTONE Tyres and Products
&****MUNICIPAL Equipments****BANCO NACIONAL ULTRAMARINO, Vasco da Gama, Goa****S. KANTILAL & CIA LTDA.****P. O. Box No. 114 • MARGAO (GOA)****Cables . "SUNRISE", MARGAO • Codes BENTLEY'S SECOND, ORIENT 3 LETTERS, GUEDES****Mine Owners & Excavators***Exporters of***Manganese & Iron Ores of all Grades***Bankers :***BANCO NACIONAL ULTRAMARINO, MARGAO (GOA)
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OPTICIANS

Caetano Paulo De Souza, Mapuca
 Carey & Franklin, Margao and Nova Goa
 David Brito & Irinao, Margao
 Diucar & Sons, Mapuca

PHOTO STUDIOS & PHOTOGRAPHERS

Central Studio Mapuca
 Dias & Rodrigues, Margao
 Kamath's Photo Studio, Mapuca
 Lamir Studio Margao
 Mauzo Photo Studio, Margao
 Neurenkar Photo Studio, Nova Goa
 Raikar Photo Studio Lotckir's Building 1st Floor Margao (Goa)
 Ram Photo Studio, Novo Mercado, Margao, Goa
 Reis Da Costa Mapuca (Goa)
 Saldanha Photo Studio, Nova Goa
 Souza & Paul Nova Goa

PIECE-GOODS MERCHANTS

A S Borno, Nova Goa
 Anand Dattarim Patil Sanguelim
 Antigo Dhill, Nova Goa
 Atmaram Shirait, Pondi
 Bitorao Pailonilkar Margao
 Chandru Dhirani Kurlakar, Margao
 C L Vaglo, Nova Goa
 Damun A B Nalekar Mapuca
 Datta Gulri Quelim Margao
 Datta Ramchandra Kamat Mhashekar, Nova Goa
 Dattatraya Guiri Kar, P O Box No 70, Margao, Goa
 Dattatreya Anant Kanekar, Pondi
 Gejanana Shrinivas Bhingi, Sanvordem
 Gangadhar B B Bhende, Sanvordem, Goa, Portuguese India
 Gopal Krishna Naik Vasco da Gama
 Gurudas Timblo Margao
 Hari L Poi Palondkar, Direct Importers of Indian & Foreign
 Piece-goods, Margao
 H N Hormusji, Dealers in Mineral Ores, Piece goods, Cutlery, Earthenware, Novelties, etc P O Box 56, Nova Goa
 Jairam Jagannath Car, Margao
 J M Pacheco, Margao
 Krishnath Dimodir Naik Margao
 Massa Prabhu Jawinde, Nova Goa
 Miss Muktadil Kudekar, Sanvordem
 Narayan Sakharim Patnekar Margao
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 Nilkant Jagannath Kavlekar Nova Goa
 Pranjivan Raghavji Doshi Margao
 Pandhara Narayan Dalal, Quepem
 Pararam Hoondimal, Nova Goa
 Rama Balkrishna Prabhu Chodnekar, Sanvordem, Goa
 Ramchand Kevalkar and Doshi, Margao
 Raya Datto Lad Margao
 Shaik Mohamed Shaik Omar Vasco da Gama
 Shaik Ismail Shaik Huroon, Cuncolim
 Sadasiva Pandurang Borno, Nova Goa
 Shambhoo Gunaji Naik, Sanvordem
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 Sheshgeri Raghunath Bene, Quepem
 Shripad Anant Hegde, Cuncolim
 Suleman Janoo, Wholesale dealers in Piece-goods, Cutlery, Toilets, etc P O Box No 18 Nova Goa
 Suryaji Vitthal Prabhu, Cuncolim
 Sonum Narayan Naik, Margao
 Vasu Ganesh Naik, Margao
 Venkatesh Ramchandra Bankhav, Cuncolim
 Yeshwant Pandari Naik Karmali, Sanvordem
 Yeshwant Verenkar, Ponda
 Yeshwant Vishnu Naik, Margao

PRINTING PRESSES

Borker Printing Press, Margao
 Gomant Printing Press, Margao
 Hindu Printing Press, Margao
 Kakodkar Printing Press, Margao.
 Tip. Bharat, Quepem.
 Tip. Herald, Goa.
 Tip. India Portuguese, Margao.
 Tip. O Herald, Goa.

Tipografia Sadananda — Printers and Publishers, Travessa de Delhi, Panjim, Goa
 Tip. Vida, Margao
 Tipografia Central, Goa
 Tipografia Gonsalves, Goa
 Tipografia Prafulla, Goa
 Tipografia Rego, Goa

PRODUCE EXPORTERS

B Costa, Margao
 Bhikaji Pandurang Valavalkar, Vasco da Gama
 Chowgule & Co Ltd, Mormugao Harbour
 Govind Santoo Vitti, Sanvordem
 Janoo Ram Redkar Nova Goa
 Meghraj Atmaram Sanvordem, Sanvordem
 Narclava Dimodir Naik, Margao
 Nathal Laloochkar Margao
 Prabhakar Raghuvir Kudchadkar Sanvordem
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 Ravi Shrinu Kudchadkar Sanvordem
 Shankar Sagoon Shrodkar, Sanvordem
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 Subray & Co Margao
 Vasant Narayan Kamath Margao
 Venkatesh Anant Patil Naik, Savor Vitem
 Vishnu Simil Dempo Nova Goa
 Yeshwant V Patil Naik, Margao

SODA WATER FACTORIES

Lixmi Soda Factory Margao
 Pereira Soda Factory Margao (Goa)
 S G Borkar & Co Margao

STEVEDORES & CONTRACTORS

Rajaram N S Bindekar Mormugao Port
 V S Dempo & Co, Ltd Marmugao Port

TIMBER MERCHANTS

Anandrio G Sirlessa Margao (Goa)

WASHING SOAP FACTORIES

Kane Oil Mill & Soap Factory Navellim Margao
 Kennys Soap Factory, Titledio Ilhas Goa
 The Shintadur Soap Factory, Bicholim (Goa)
 Swastik Industrial Works, Margao

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Bar Silveira, Goa
 Bento Minguel Fernandes & Filhos Lda, Nova Goa
 Bernardo Fernandes, Margao
 Casa Mambre, Margao
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 Casa Soriano Praias de Calangute
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 Central Bar, Mapuca, Goa.
 Cooperativa Economica
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 David Camilo Mascarenhas, Margao
 Elite Bar & Restaurant, Mapuca, Goa
 J Salvador Rebello, Vasco da Gama (Goa)
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 Lobo's Hotel Bar, Marmugao
 Luis Caetano Marchon, Margao
 Loja 5 de Outubro, Margao.
 Nairobi Bar, Margao.
 Primo Rodrigues, Vasco da Gama (Goa)
 Restaurante and Bar Mesquita, Margao.
 Velho Bar, Sunshine Building, Margao
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Dr. Rajendra Prasad

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Deputy Secretary, P. D. Deshmukh.
Private Secretary, Valmiki Choudhary.
Press Attache, R. I. Handa.
Under Secretary, V. J. Moore.

OFFICE OF THE MILITARY SECRETARY TO THE PRESIDENT

Mil. Secretary, Maj.-Gen. B. Chatterjee.
Dy. Mil. Secretary, Lt.-Col. M. Ghufuran, A.S.C. (Garhwal Rifles).
Comptroller of the Household, Vacant.
Dy. Surgeon, Dr. F. E. Buckler.
Personal Secretary, Vacant.
Under-Secretary, N. Banerjee.
Aides-de-Camp, Capt. S. D. Buonsile (Ag). (1st Gurkha Rifles); Lieut. O. S. Dawson, I.N.; Lt.-Lt. L. M. Katre, I.A.F.
J.C.O. as D.C., Risaldar-Major Tara Singh; Risaldar-Major & Hon'y. Lieut. Gajraj Singh, 3rd Cavalry.

PRESIDENT'S BODYGUARD

Chief Commandant, Maj.-Gen. B. Chatterjee.
Commandant, Maj. S. K. Bharat Singh (2nd Lancers).
Adjutant, Capt. S. G. Srinivasan (1st Horse).

VICE-PRESIDENT

Vice-President, Dr. Sarvepalli Radhakrishnan.

VICE-PRESIDENT'S SECRETARIAT

Assistant Private Secretary to the Vice-President, S. Natesa Sastry, B.A.
Personal Assistant to the Vice-President, V. D. Phadke, B.A.

CABINET MINISTERS

Prime Minister, External Affairs and Defence, Jawaharlal Nehru.
Education and Natural Resources and Scientific Research, Maulana Abul Kalam Azad.
Communications, Jagjivan Ram.
Health, Rajkumari Amrit Kaur.
Finance, C. D. Deshmukh.
Planning and Irrigation & Power, (i) L. Nanda.
Home Affairs & States, Dr. Kailas Nath Katju.
Food & Agriculture, Raj Ahmed Kidwai.
Commerce and Industry, T. T. Krishnamachari.
Law and Minority Affairs, C. C. Biswas.
Transport and Railways, Lal Bahadur Shastri.
Works, Housing and Supply, Sardar Swaran Singh.
Labour, V. V. Giri.
Production, K. C. Roddy.

MINISTER'S OF CABINET RANK

Parliamentary Affairs, Satya Narayan Sinha.
Rehabilitation, Ajit Prasad Jain.
Defence Organisation, Mahavir Tyagi.
Information and Broadcasting, Dr. B. V. Keskar.
Commerce, D. P. Karmarkar.
Agriculture, P. S. Deshmukh.

DEPUTY MINISTERS

Communications, Raj Bahadur.
Natural Resources and Scientific Research, K. D. Malaviya.
Drifence, Sardar S. S. Majithia; Satish Chandra.
Home Affairs, B. N. Datar.
Labour, Abid Ali.
Finance, M. C. Shah.
Rehabilitation, J. K. Bhonsle.
Railway & Transport, O. V. Alagesan.
Health, Shrimati M. Chandrasekhar.
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Food & Agriculture, M. V. Krishnappa.
Irrigation & Power, Jaisukhlal Hathi.
Finance, Arun Chandra Guha.

PARLIAMENTARY SECRETARIES

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Information and Broadcasting, (i) Rajagopalani.
Education, Dr. Mono Mohan Das; Dr. K. L. Shrinani.
Railways & Transport, Shah Nawaz Khan.
Finance, B. R. Bhagat.
Production, Rajaram Girdharlal Dubey.

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Special Assistant, M. O. Mathai.
Assistant Private Secretary (Administration), M. L. Bazaz.
Assistant Private Secretary (Public), S. P. Khanna.
Assistant Private Secretary (Personal), C. R. Srinivasan.
Personal Assistant, N. K. Seshan.
Private Secretary to Principal Private Secretary, S. D. Chari.

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Joint Secretary (Economic Wing), M. V. Rangachari.
Dy. Secretary to the Cabinet, K. Ram, I.C.S.
Honorary Statistical Adviser to the Cabinet, Prof. P. C. Mahalanobis.
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SECRETARIAT

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Administrative Officer, Ram Sahay.
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Assistant Private Secretary to the Minister, R. P. Sinha.

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Assistant Private Secretary to the Minister, P. M. Ramachandran.

Secretary, Patent Advisory Committee, B. N. Atrishli.

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Assistant Development Officers, M. N. Kale; Joginder Singh; J. R. Guha; Dr. F. C. Mathur.

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Junior Chemist, S. L. Mehra.

TIMBER DIRECTORATE

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Deputy Development Officer, G. T. Verghese.

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Development Officer, P. L. Kumar.
Deputy Development Officers, S. K. Sinha; N. Krishnaswami.
Assistant Development Officers, G. S. Pandya; T. N. Srivastava; H. N. Risbud; S. C. Banerjee; K. Rajagopalan.

GENERAL AND ELECTRICAL ENGINEERING

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TOOLS

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Assistant Development Officers, Gurbaksh Singh; S. Kumar.

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Office of the Economic Adviser to the Government of India, Block 'N', Raisina Rd., New Delhi.
Dy. Economic Adviser, B. N. Adarkar.
Asst. Economic Adviser, M. V. Bhatawdekar.
Chief Research Officer, N. K. Das.

Research Officers. K. L. Luthra; V. Sambamurthy
Deputy Statistician. G. D. Mathur.
Statistical Research Officers. T. Dutta; I. M. Sahni.
Section Officers. B. B. Ghosh; V. Ramakrishna; J. Chatterjee.

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Chief Process Officer. A. K. Gavaskar.
Chief Production Officer. N. C. Sen.

Office of the Chief Controller of Imports and Exports, New Delhi.

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Statistical Officers. K. L. Saxena; A. R. Dutta.
Assistant Controllers. Ganga Singh; Jaglot Shanker; Mohinder Singh; S. P. Chopra; D. D. Bhargava; N. Sivaraman; N. D. Pal; J. N. Naraini; N. S. Vaidyanathan; Miss R. K. Manchanda; N. C. Rustogi; K. G. Narasimhan; J. S. Bedi; P. M. Nair; Aya Ram; B. D. Bhatnagar; S. Chakravarty; Mahavir Singh; K. R. Bansal; P. C. Verma; A. L. Bhalla; R. R. Kirpalani; Dharam Vir; G. S. Sharma; D. P. Aggarwal; Kuwar Lal; K. J. Cherian, Tulu Nath.
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Section Officers. N. H. Rao; S. M. Banerji; H. S. Sahni; P. C. Tewari; K. N. R. Pillai; B. K. Sen Gupta; S. Ganguli; J. S. Bhatnagar; K. L. Dhali; S. R. Banerji; S. R. Minocha; S. K. Sinha.

BOMBAY

Gulam Mohamed Bldg., Nicol Road.
Jt. Chief Controller. R. N. Phillips.
Dy. Chief Controllers. M. L. Vyas; M. K. Roy.
OFFICE OF THE JOINT CHIEF CONTROLLER OF IMPORTS AND EXPORTS,
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Controllers of Imports and Exports. H. Basu; J. S. Bakhshi; D. Chatterjee; K. Senthippan; B. C. Chatterjee.
Assistant Controllers of Imports and Exports. J. Mukherji; A. De; J. K. Sarkar; B. M. Ghosh; P. K. Biswas; N. Banerji; N. C. Banerji; R. L. Sud; M. V. Khanolkar; S. N. Pal; N. N. Majumdar; S. N. Banerji; S. K. Bhatnagar; B. B. Mukherjee; B. C. Banerji; S. K. Banerjee; M. P. Mittal; H. K. Krishnan.

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Assistant Controller of Imports and Exports, Cochin. R. N. Ignatius.

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Controller of Imports. K. V. Baskaran.
Controller of Exports. V. C. Naidu.
Assistant Controllers of Imports. T. V. J. Pillai; H. Natesan; S. K. Githari Lal.
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Office of the Controller of Patents & Designs, 214, Lower Circular Road, Calcutta.

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Deputy Controller of Patents & Designs. H. N. Ghosh, B.E.

Examiner of Patents in Charge. Dr. N. N. Chatterjee, D.Sc.

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Examiner of Patents (on Deputation to the Ministry of Commerce and Industry). B. N. Atrishl, M.Sc.

Offg. Examiner of Patents. C. S. Pal, B.Sc. (Eng.), B.Sc.

Officiating Examiners of Patents. A. N. Nagpaul, M.Sc. (Tech.).

Officiating Administrative Officer. S. N. Chatterjee.

Office of the Custodian of Enemy Property

Caltex House, Ballard Road, P.B. No. 689, Bombay 1.

Controller of Enemy Firms and Enemy Trading and Custodian of Enemy Property (ex-officio). T. Swaminathan, I.C.S.

Deputy Controller of Enemy Firms and Enemy Trading and Deputy Custodian of Enemy Property. S. K. Sen.
Superintendent. M. K. Rangachari.

Office of the Director of Industrial Statistics,
1, Council House Street, Calcutta 1.

Director. C. R. B. Menon.
Deputy Directors. P. C. Mitta; P. N. Nayer.
Assistant Directors. Harishchandra.
Research Officers. P. C. Kurian; V. Bhanu Koti; R. C. Prakash.

Office of the Iron & Steel Controller, 33, Netaji Subhas Road, Calcutta

Iron & Steel Controller. C. R. Natesan.
Price & Accounts Officer. S. K. Sen.
Dy. Iron & Steel Controllers. M. L. Mitra (Co-ordination); R. N. Dutta (Production)
Asst. Iron & Steel Controllers (Gr. I). M. L. Mitra; S. Banerjee.
Administrative Officer. C. B. Mathur.
Asst. Iron & Steel Controller (Gr. II). S. V. Mehta.
Deputy Price and Accounts Officer. P. C. Sarkar.
Dy. Asst. Iron & Steel Controllers. S. Mazumdar; K. N. Chatterjee; H. B. Nag; S. K. Banerjee; S. Basu; Sailansu Banerjee; B. Tiwari; L. K. Bose.

Office of the Textile Commissioner, Bombay

Textile Commissioner and ex-Officio Joint Secretary to the Government of India. T. Swaminathan.
Joint Textile Commissioner. M. R. Kazimi

BRANCH SECRETARIAT, ADMINISTRATION AND CO-ORDINATION BRANCHES

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Assistant Secretary to the Government of India. P. S. Nayyar, M.A., B.A.S.
Section Officer. K. K. Sethi.
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Assistant Directors (Grade II). A. S. Nadkarni, B.Com.; N. Subramanian; P. N. Barry, B.A., LL.B.

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Assistant Directors (Grade I). C. P. Rao, B.Sc.; B. B. Majumdar; R. G. Zalani, B.A., L.T.M.

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Assistant Director (Grade II). S. N. Chatterjee.

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Assistant Director (Grade I). M. P. Avasthy.
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REGIONAL DIRECTORATE OF PRODUCTION, CALCUTTA

Deputy Director. S. C. Das Gupta.
Assistant Director (Grade II). S. S. Saha, B.Sc. (Cal.), M.Sc. (Tech.).

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Assistant Directors (Grade I). Thomas D'Sa, L.T.M.; A. N. Ramchandran, B.A.
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CLOTH BRANCH

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Senior Storekeeper, C. D'Mello.

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Superintending Engineer, S. D. Mital.

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Contract Officer, Y. T. Sangsiri.

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Asst. Manager (Assts.), S. G. Nayar.

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Deputy Chief Controller of Telegraph Stores, V. Natarajan.

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Assistant Engineers, Wireless, A. E. L. Akehurst; A. Ramchandran; N. V. Deodhar.

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At Calcutta

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Junior Electrical Engineer, A. Subramaniam, M.A., Grad. I.E.E.

Assistant Engineers, S. N. Chatterjee, B.Sc. B.Sc. (Engg.), A.M.I.E.; K. P. Das, B.Sc.; G. Subramanian, B.Sc. (Hons.), A.M.A.I.E.E., M.I.R.O.E.J.; V. Annaswamy, B.Sc. (Hons.); A. K. Shome, B.Sc.; K. N. Sarbadhikari;

U. R. Salkia.

At Jabalpur Test Room

Assistant Engineer, T. B. Kalyanasundaram, B.Sc.

At Bombay Test Room

Assistant Engineer, P. U. Mital, B.Sc.

At Bangalore Test Room

Assistant Engineer, T. K. Subramanian, M.A., Grad. I.E.E.

At New Delhi Test Room

Assistant Engineer, T. R. Vaidyanathan.

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Asstt. Manager, N. C. Roy, B.Sc.

Administrative Officer, S. P. Banerjee, B.Sc.

Labour Officer, S. P. Dasgupta, M.A. (Econ.).

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Foreman. S. K. Banerjee.

Medical Officer. Dr. A. K. Roy, M.B.

Asstt. Foremen. B. K. Dutta, B.Sc., B.E.E.; S. D. Banerjee, B.Sc., B.E.E., A.M.I.E. (Ind.); S. K. Bose, B.E.E.

Yard Foreman. K. P. Chakravarty.

Sr. Accountant. B. N. Sinha.

Head Assistant. P. G. Mukherjee, B.A.

Store-keeper. H. D. Mitra.

Add. Store-keeper. G. N. Sinha, B.Sc.

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Superintending Engineer. G. K. Bhattacharjee.

Asstt. General Manager. N. P. Laville.

Traffic Superintendent. S. N. Sur, B.Sc. (Hons.).

Executive Engineer (North). S. D. Mital.

Executive Engineer (South). G. K. Bhattacharjee.

Asstt. Executive Engineer. G. K. Roy.

Accounts Officer. Umashanker, M.A.

Accounts Officer (Telephone Revenue). N. Vasudevan.

Contract Officer. G. K. Mitra.

Personal Assistant to the E-in-C. and G. M. A. Bhattacharjee.

Office at 5, Council House Street (Automatisation Branch)

Dy. Engineer-in-Chief. H. M. Engineer, B.Sc. (Eng.).

Personal Assistant to Engineer-in-Chief. S. C. Mukherjee.

Accounts Officer (Auto). P. B. Das.

Divisional Engineer (Telegraphs), Installation. K. V. Srinivasan, B.E.

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Department of Revenue and Expenditure

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Industry and Commerce Division, M-Block, Church Road, New Delhi

Joint Secretary (I. & C.), K. B. P. Aiyangar.

Deputy Secretary (HQ), B. S. Bhatnagar.

Under-Secretary (B), B. G. Idnani.

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Asstt. Secretary (HQ), H. Rai.

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Supply and Disposals Branch, New Delhi:

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Asstt. Secretary (S.), N. C. Chatterjee.

Asstt. Secretary (I.), V. Ramachandran.

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Cost Accounts Officer, K. Nagaswami.

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Research Officer, K. N. C. Pillai.

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Assistant Director, B. Bhattacharyya.

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Addl. Financial Adviser, Batuk Singh.

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Inspecting Officers, North Regional Unit, Simla, M. L. Routh; H. N. Sahu; G. R. Divekar.

Inspecting Officers, East Regional Unit, Calcutta, R. C. Mehra; P. M. Varkey; T. P. S. Iyer.

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Assistant Director of Inspection, K. C. Tharyan.

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Director of Inspection (Investigation), Kanhaiya Singh.

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CENTRAL REVENUES CONTROL LABORATORY, NEW DELHI

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Chemical Examiner, Grade I, Gurcharan Singh.

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Statistician (Income-tax), P. S. B. Pillai.

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Authorised Representative, Patna Bench, S. D. Gupta.
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Defence Accounts Department (D. H. Qrs. Post Office, New Delhi 11).

Controller General of Defence Accounts, R. Jagannathan.
Command Controllers of Defence Accounts, B. R. Narayanawami; A. Subrahmanyam; R. N. Hazari; Phul Chand.

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Additional Deputy Comptroller and Auditor-General (Report), V. D. Dantya.

Comptroller of Commercial Audit, P. N. Bhandari.
Officers on Special Duty, G. S. Rao; M. S. Ramayyar.

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Assistant Audit Officer, J. C. Das Gupta.
Assistant Audit Officer, Gian Chand.

Office of the Deputy Director of Audit, Defence Services, Meerut.

Deputy Director of Audit, Padmanabhan.
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Assistant Audit Officer, D.S., P. Bose.
Office of the Assistant Audit Officer, D.S., Kirtkee.
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India Government Mint, Bombay.

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Accountant, D. R. Rele.

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Temp. Deputy Accts., N. V. Prabhu.

Cashier, D. M. Gavankar.

Works Manager, M. R. Carr.

Dy. Works Manager (M. & E.), H. N. Rao, B.E. (Mech.) (Temp.).

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Dy. Works Manager (Melting), N. W. B. Race.

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Asst. Melting Supdt., M. N. Pagare.

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Depty. Bullion Registrar, A. G. Sarnalk.

Depty. Bullion Registrars (Temp.), G. P. Varde; E. G. Rangnekar.

Bullion Keeper, S. J. Mahudawalla, B.Com.
Depty. Bullion Keeper, N. A. Dhangar.

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Warder, T. P. Holmes.
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Assay Superintendents, S. G. Dighe, B.A., M.Sc.; M. K. Bose, M.Sc., D.Phil.
Asst. Assay Superintendents, H. C. Bhargava, M.Sc. (Tech.); A. W. Chawathe, M.Sc.
Head Clerk, P. K. Sule.

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Dy. Master of the Mint, B. S. D. Alvar, M.A., B.Sc. (Hons.), D.I.M.C. (Tech.), A.M.I.E.

Works Manager, N. Sinclair Jones.

Bullion Registrar, G. E. Belchambers.

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Dy. Works Manager, S. S. Molla.

Labour Officer, Jannab A. G. Sarwar.

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Accountant, S. Subramanyam.

Deputy Accountant, G. S. Bijlani.

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Examiners Outside Audit Department (Civil), P. N. Bhalla; P. R. Mukerjee.

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Deputy Accountant General, S. K. Mukherji.

Deputy Accountant General, I. & S. Calcutta, H. N. Banerjee.

Deputy Accountant General, I. & S. Bombay, S. Vaidyanathan.

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A. A. O. I, Hazara Singh.

A. A. O. II, D. M. Narayanaswami.

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Office of the Deputy Accountant-General, Posts and Telegraphs, Delhi

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**P. & T. Sub-Audit Office, Hyderabad (Dn)
Asstt. Accts. Officer In-charge, M. Suryanarayana, M.A.
Asstt. Accts. Officer, T. Raghunathan.****Office of the Deputy Accountant-General, Posts and Telegraphs, Nagpur**

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Deputy Chief Auditor, A. D. Valath, I.A. & A.S.

Eastern Railway

Chief Auditor, George Po Saw, I.A. & A.S.

Deputy Chief Auditors, E. R. A. Dent, I.A. & A.S.; Hussain Aga, I.A. & A.S.

North Eastern Railway

Chief Auditor, Koshab Dayal, I.A. & A.S.

Deputy Chief Auditor, K. J. Chandwani, I.A. & A.S.

Central Railway

Chief Auditor, R. L. Gupta, I.A. & A.S.

Deputy Chief Auditor, P. N. Bose, I.A. & A.S.

Southern Railway

Chief Auditor, K. M. Subramanian, I.A. & A.S.

Deputy Chief Auditors, D. Ramchander Rao, I.A. & A.S.; S. Somasundram, I.A. & A.S.; S. P. Narayana Chetty, I.A. & A.S.

Opium Department (Under Revenue Division), Uttar Pradesh

HEADQUARTERS, GHAZIPUR.

Opium Agent, Shanti Parkash Kampani, M.Sc. (Tech.), I.R.S.

Superintendent, Opium Agent's Office, Sita Ram.

OPIUM FACTORY, GHAZIPUR

Manager, Ravindra Nath Shukla.

Assistant Manager, T. N. Zutshi.

Factory Engineer, Bishambhar Dayal Verma.

Opium Chemist, Alkaloid Works, Vasudeo Janardan Bakre, M.Sc., A.H.B.T.I.

Assistant Chemical Examiners, Alkaloid Works, Manohar Singh, M.Sc., C.R.C.S.; S. K. Banerjee, M.Sc.; A. Venkatasubhan, B.A., M.Sc.

Laboratory Engineer, Yag Dutt Gautam, M.I.E.E. (Punjab), M. Mech. B.A. (India), A.M.I.T.

Medical Officer, Mahesh Chandra Khandpur, B.Sc., M.B.B.S.

DIVISIONAL OFFICERS

District Opium Officer, Shahjahanpur, Hari Har Nath Raina, M.Sc.

District Opium Officer, Bareilly, Sri Narain Asthana, M.Sc.

District Opium Officer, Bara Banki, Sri Kirti Vardhan, M.Sc.

District Opium Officer, Faizabad, Gopal Krishan Mehrotra, M.A.

District Opium Officer, Ghazipur, Kundan Lal Bhalla, M.A.

District Opium Officer, Gonda, M. M. Gupta.

Reserve Bank of India

CENTRAL OFFICE, POST BOX 406, BOMBAY NO. 1.

Governor, B. Rama Rau.

Deputy Governors, N. Sundaresan; Ram Nath. Executive Directors, B. Venkatapalli, I.C.S.; J. V. Joshi.

Chief Accountant, J. N. Ahuja.

Secretary, G. Balasubramanian.

Chief Officer, Department of Banking Operations, T. V. Datar.

Chief Officer, Department of Banking Development, T. K. Ramasubramanian.

Chief Officer, Agricultural Credit Department, K. Subrahmanyam Nayudu.

Deputy Controller, Exchange Control Department, P. J. Jeejeebhoy.

Manager, Bombay, L. R. Bhandari.

Manager, Calcutta, C. S. Divekar.

Manager, Madras, B. V. Desai.

Manager, Delhi, J. S. Jaspal (Offg.).

Manager and Currency Officer, Kanpur, D. N. Maluste.

Manager, London, Dr. P. J. J. Pinto (Offg.).

MINISTRY OF FOOD AND AGRICULTURE

Minister, Rafi Ahmed Kidwai.

Private Secretary to Minister, Jai Narain.

Assistant Private Secretary to Minister, Prakash Chandra Bajpai.

Minister for Agriculture, Dr. Panjabrao S. Dhanmukh.

P. S. to Minister for Agriculture, S. S. Bhalla.

Deputy Minister, M. V. Krishnappa.

P. S. to Deputy Minister, Pratap Singh Giani.

Secretary, H. M. Patel, I.C.S.

Private Secretary to Secy., A. V. Ranganathan.

AGRICULTURE DIVISION

Production Commissioner and Ex-Officio Additional Secretary, Datar Singh.

Joint Secretary and Vegetable Oil Products Controller in India, P. A. Gopalakrishnan, I.C.S.

Deputy Secretaries, R. L. Mehta; S. N. Bhalla; S. T. Raja.

Under-Secretaries, I. J. Malhan; S. D. Udhrain; K. C. Chetty; T. M. Gurbaxani; N. T. Gulrajani; N. C. Mukerjee; S. Viswanathan.

Assistant Secretary, F. C. Gera.

Section Officers, Dhan Ram; A. B. Lal; C. S. Parthasarathy; S. D. Oberoi; S. L. Gulati; A. C. Jain; S. C. Lal; Charan Dass; H. Chakravarti; C. S. Sindhu; H. S. Jain; M. P. Jain; T. D. Makhijani; M. D. Pande; Ajudhya Prasad; T. S. Pruthi; Santokh Singh; B. S. Ramdas; K. C. Sarkar; R. N. Saxena; S. S. Srivastava; R. D. Thawani; D. R. Chawla.

Agricultural Development—

Hony. Bonemeal Adviser, G. R. Valunjkar.

Hony. Adviser for Crop Competition and Prize Distribution, Gangasaran Kisan.

Accounts Officer (Fertilizers), K. K. Narayanan.

Deputy Adviser for Intensive Cultivation, Dr. S. M. Sikka.

Cattle Utilisation and Livestock—

Assistant Cattle Utilisation Adviser, Harbans Singh.

Asstt. Livestock Officer, H. J. Makhijani.

Dairy Development—

Deputy Dairy Development Adviser, H. C. Verma.

Technical Officer, G. Gopinath.

Fisheries—

Fisheries Development Adviser, Dr. B. N. Chopra.

Deputy Fisheries Development Adviser, Dr. D. R. Bhalla.

Assistant Fisheries Development Adviser, Dr. K. Chidambaram.

Forests.

Inspector-General of Forests, M. D. Chaturvedi, I.F.S.

Deputy Inspector-General of Forests, B. J. Singh, I.F.S.

Compost

Sewage Development Officer, Dr. R. P. Talati.

Irrigation

Irrigation Adviser, Mahavir Prasad.

Asst. Irrigation Adviser, Chandra Kishore Andhir.

Palm Gur

Hony. Palm Gur Adviser, Gajanan Nalk.

Hony. Assistant Palm Gur Advisers, V. N. Khanolkar (at Bombay); S. R. Lutade.

Supply & Movement

Deputy Supply & Movement Officer, Vas Dev.

Refrigeration

Deputy Refrigeration Engineer, B. R. Mallya.

FOOD DIVISION

Joint Secretary and Director-General, Food, R. S. Krishnaswamy, I.C.S.

Joint Secretary, M. R. Bhilde, I.C.S.

Deputy Director-General, Food, S. Dikshit.

Deputy Secretary, N. K. Bhojwani.

Deputy Secretary and Officer on Special Duty, S. K. Sen.

Under Secretaries, K. N. Channa; Gur Bakhsh Singh; S. Parmeshwaran; S. K. Mirchandani; B. L. Sahney; T. S. Krishnamurti.

Assistant Secretary, D. Ramiah.

Section Officers, K. M. Chaudhuri; S. K. Rao; H. L. Bhalla; C. P. Banerjee; P. D. Tayal; R. K. Ram; D. V. Rajagopal; S. R. Sundaran; R. K. Sundaresan; Mokand Lall; Shanti Prasad; D. N. Tewari; D. S. Bakshi; D. L. Sondhi; G. K. Bhatnagar; Uma Datt; B. R. Kapoor; V. S. Nigam; S. S. Vij; M. S. Mathur; N. B. Basu; S. Das Gupta; V. S. Bendre; J. N. Gaur; I. B. Sen; K. G. G. Pisharodi; P. C. Mitra; S. K. Sarkar.

Chief Director of Movements, M. D. Sethna.

Directors, M. L. Sinha; K. R. Sontakay; L. R. Dwar.

Technical Adviser, Dr. D. V. Karmarkar.

Deputy Directors, P. N. Bajaj; Kartar Singh; V. P. L. Tejpal; P. R. Dabak; R. C. Sinha; A. Bose; K. B. Thilagranjan; R. Chandra; Shanta Dutt Ram; P. N. Mathur.

Assistant Directors, R. Datta; K. R. Anand; Tarachand; A. N. Chadda; R. N. Arora; R. C. Sethi; R. Dayal; Darshan Singh; S. S. Bajaj; Kishan Singh; M. R. Mehta; A. S. Jandu; B. S. Shukla; Jalpal Singh; D. C. Jain.

Technical Officers (Storage), Kumari S. Cameron; Kumari H. N. Hingorani; Harjinder Singh; O. P. Garag.

Assistant Engineer, B. T. Jhanglani.

Food Executive Officers, N. V. Neelakantan; Santosh Kumar; S. P. Gupta; G. C. Bhatia.

Food Attache (Rangoon), J. Bose.

Food Attache (Bangkok), J. Anand.

Chief Director of Purchase, Col. N. B. Tandan.

Administrative Officer, S. Mukerjee.

Directors, H. K. Joshi; O. N. Bajpal.

Deputy Director, V. K. Natoo.

Assistant Directors, P. N. Moolri; S. R. Mehta; P. B. Kashyap; S. F. Ahmed.

Assistant Technical Adviser, B. Banerjee.

Assistant Progress Officer, B. R. Dhawan.

OFFICE OF THE REGIONAL DIRECTOR (FOOD), EASTERN REGION, ESPANADE EAST, CALCUTTA.

Regional Director (Food), F. S. Narayana.

Dy. Directors, K. D. Narayan; G. K. Chugani.

Assistant Directors, S. M. Nandkeolyar; P. M. Ingley; Tikamdas Valljimal; D. A. Uttam Singh; T. M. Sipahimalani; S. M. Chatterjee; Sarmukh Singh; S. K. Banerjee; Durga Prosad; H. S. Puri.

Technical Officers, S. R. Mazumder; S. C. Mazumder; N. C. Chatterjee; C. R. Srinivasan; R. N. Mirchandani.

OFFICE OF THE REGIONAL DIRECTOR (FOOD), SOUTHERN REGION, 41, WHITES ROAD, ROYAPETTAH, MADRAS 14.

Regional Director (Food), Madras, S. Mahbub Mian.

Deputy Directors, Madras, M. Kesavan Nair; R. N. Sadarangani; V. Margabandhu.

Assistant Directors, Madras, E. K. Balasundaram; C. S. Vibhaker; R. Rajagopalan; R. Shanker Narain; D. P. Ganguly.

Assistant Director, Avadi, P. S. Krishnamurthy.

Assistant Directors, Cochin, K. Venkataswamy; P. Tothadri.

Assistant Director, Visakhapatnam, C. T. Bhaskara Menon.

Assistant Director, Tiruchirappalli, K. Brah-machari.

Technical Officer, Cochin, G. S. Veeraraghavan.

Technical Officer, Visakhapatnam, K. V. Chalapathi Rao.

Technical Officers, Avadi, T. E. Krishnaswamy; N. M. Naidu.

Technical Officer, Tuticorin, K. Ramanarayana Menon.

OFFICE OF THE REGIONAL DIRECTOR (FOOD), WESTERN REGION, BOTAWALA CHAMBERS, SIR P. M. ROAD, BOMBAY 1.

Regional Director (Food), P. K. Samal.

Deputy Directors, M. G. Ghool; S. Tilak; G. S. Puri.

Assistant Directors, P. S. Roy; G. Vaswaney; P. H. Mahesh; Sukhrandras Partabrai; D. S. Jetley; S. G. Tekwani; R. G. Deshpande;

R. Indu Sekhar; K. P. Sadhwani; L. M. Joshi; Dr. S. Krishnaswamy; S. P. Saksena;

Gobindram (Manmad); D. R. Khanna.

Technical Officers, P. G. Vandrekar; S. D. Deshpande; R. M. Tuliani; Sheoran Singh (Bhavnagar); R. S. Dwivedi (Navlakhi); T. S. Sujan (Manmad).

Central College of Agriculture, I.A.R.I., New Delhi

Lecturer in Agriculture, Dr. Jaswant Singh, B.Sc. (Agr.), Ph.D. (Wales).

Lecturer in Chemistry, Dr. W. V. B. Sundra Rao, M.Sc. (Hons.), Ph.D., Assoc. I.A.R.I.

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Lecturer in Physics & Mathematics, Dr. Y. V. Kathavato, M.Sc., Ph.D.

Lecturer in Agricultural Engineering, J. R. Badola, B.Sc. (Agril. Engg.).

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Lecturer in Mycology, Dr. D. Suryanarayana, M.Sc., Ph.D.

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Chief Research Officer, Dr. H. Srinivasa Rao.

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Research Officer (Pond Culture), K. H. Alkumhi.

Research Officer (Riverine and Lacustrine), Dr. V. G. Jhingran.

Assistant Research Officer (Pond Culture), Vacant.

Assistant Research Officer (Botany), Dr. M. T. Phillipose.

Assistant Research Officer (Riverine & Lacustrine), Dr. M. P. Motwani.

Assistant Research Officer (Pathology), Y. R. Tripathi.

Assistant Research Officer (Chemistry), S. M. Bannerjee.

Assistant Research Officer (Estuarine), Miss K. K. Sarojini.

Central Marine Fisheries Research Station, Mandapam Camp P.O. (S. India)

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Central Potato Research Institute, Post Box No. 136, Patna

(MAIN INSTITUTE, PATNA)

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Plant Pathologist, Vacant.

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Entomologist, Dr. R. P. Chaudhuri, M.Sc., Ph.D. (Lond.), F.R.E.S.

Assistant Botanist, M. J. Deshmukh, M.Sc., Assoc. I.A.R.I.

POTATO BREEDING SUB-STATION, SIMLA

Botanist, M. L. Khanna, B.Sc. (Agr.), Assoc. I.A.R.I.

Assistant Botanist, Vacant.

Assistant Plant Pathologist, B. L. Dutt, M.Sc.

POTATO MULTIPLICATION SUB-STATION, BHOWALI (U.P.)

Assistant Botanist, Hari Kishore, M.Sc. Assoc. I.A.R.I.

POTATO CERTIFICATION SUB-STATION, KUFRI (HIMACHAL PRADESH)

Assistant Botanist, Dr. D. Srinivasachar, M.Sc., Ph.D. (Wis.), Assoc. I.A.R.I.

Central Rice Research Institute, Cuttack 4, Orissa

Director, Dr. N. Parthasarathy, B.A., B.Sc. (Agr.), Ph.D. (Lond.), F.N.I.

Geneticist & Botanist, R. L. M. Ghose, M.Sc.

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Entomologist, P. Israel, M.A., F.R.E.S.

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Assistant Botanist, W. T. Butany, B.Sc. (Agril.), Assoc. I.A.R.I.

Farm Superintendent, M. Subbiah Pillai, B.A., B.Sc. (Agril.).

Assistant Mycologist, Durgadas Ganguly, M.A.

Central Tractor Organisation, New Pusa, New Delhi 12

Chairman, Bhagwan Singh, M.A., I.A.R.S.

Dy. Chairman, R. P. Valsi.

Chief Engr., Lt. Col. N. B. Grant.

Director of Operations and Administration, Dr. R. N. Mathur, M.Sc., Ph.D. (Lond.), D.I.C. (Lond.).

Chief Accounts Officer, S. L. Sharma, M.A., I.A.A.S.

Deputy Chief Engineer, Hans Kumar, B.Sc., Eng. (Hons.), D.M.E.C., A.M.I.E., G. I. Mech. Eng. (London).

Superintending Engineer, S. Venkatasubbalaya, B.E. (Mech.).

Cost Accounts Officer, K. B. Kuppuswamy, M.A.

Divisional Engineers, S. B. Gupta, Diploma in Mech. Eng. (U.S.A.), M.I.C.E., M.S.A.E., M.A.S.E., M.A.S.M., M.A.W.S. (U.S.A.); E. G. K. Rao, B.Sc., Eng., A.M.I.E. (India).

Agricultural Officer, H. A. Idnani, B. Agri.

Deputy Director of Statistics, Dr. J. S. Ponniah, M.A., D.Litt., Dip. in Economics.
Assistant Director of Disposals, C. S. Natarajan, L.M.S.

Administrative Officer, K. S. Agarwala, M.Sc., LL.B.

Dy. Director, Budget & Accounts, P. K. Neelakantan, B.A.S.

Asstt. Administrative Officers, H. C. Jhamb, B.A., S.A.S.; M. G. Vaswani, B.Com., G.D.C. & A.; P. K. Sundram, B.Sc.

Assistant Director of Stores, H. L. Bahl, B.A.

Assistant Directors, Operations, R. N. Chhabra, Diploma in Mech. Eng.; B. B. Dewan, B.Sc. (Agril. Eng.) Assoc. Memo. A.S.A.E.

Stores Officer, A. G. Benjamin, B.A.

Assistant Engineers, D. S. Rao, B.Sc. (Eng.); B. D. Sachdeva, Diploma in Mech. Eng.; H. Sen, Inter. sc.; I. L. Bhatia, B.Sc. (Eng.), A.M.T.E. (India); S. M. Gurbaxani, B.E. (Mech.); P. N. K. Menon, L.Sc., Diploma in Elec. & Mech. Engg.; G. S. Sane, B.E. (Mech. & Elec.), Hons.

Labour Welfare Officer, A. V. Krishnaswamy, B.A. (Hons.), D.S.W.

OUTSIDE DELHI

Divisional Engineers, C. P. Srivastava, Licentiate in Elec. & Mech. Engg.; S. T. Mirchandani, Diploma in Mech. Engg.; G. P. Dass, I.Sc.; P. L. Goel, B.Sc. (Eng), Diploma in Elec. and Mech. Engg., A.M.T.E. (I)

Assistant Engineers, D. N. Mukerjee, M. L. Taneja, B.Sc. (Agril.); C. Vedantiah, B.E. (Mech. Eng.); P. H. Bhavnani, B.Sc. (Mech. & Elec. Eng.); R. C. Menon, B.E. (Mech.); T. K. Parthasarthy, B.A., B.E.; S. Krishnamurthy, B.Sc. (Eng.); S. N. Ranjan, B.Sc.; V. G. David; D. Pandey, B.Sc. (Eng); R. S. Thakur, B.Sc. (Agril. Eng.).

Assistant Cost Accounts Officer, A. R. Srinivasan, B.A.

Labour Welfare Officer, K. Apparao, B.A., D.S.W.

Assistant Surgeon, Dr. K. C. Chadha, M.B.B.S.

Asstt. Administrative Officers, I. S. Chopra, B.A. (Hons.); Jagdish Chander, M.A.; K. S. Mathew, B.Sc.; P. P. Singh, M.A.

Assistant Director of Operations, K. L. Saroen, Dip. Elec. & Mech. Engg.

Directorate of Economics and Statistics, New Delhi.

Economic & Statistical Adviser, Dr. S. R. Sen.
Dy. Economic & Statistical Advisers, S. C. Chaudhuri; Dr. R. N. Poduval.

Asstt. Economic & Statistical Advisers, J. S. Sarma; M. S. Menon; N. N. Agrawala.
Administrative Officer, I. D. Khanna.

Research Officers, P. D. Srivastava; N. M. Bhargava; J. G. Anand; Ram Suran; R. N. Kaushtik; V. S. Menon; S. P. Agarwal; S. M. Roy.
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Administrative Officer, P. S. Visvanathan, B.Sc. (Agr.).

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Marketing Officers, R. A. Bhole, B.Sc. (Agril.), I.D.D.; Parduman Singh, B.Sc. (Agril.); R. T. Miranandani, B.A. (Bom.); G. J. Hiranandani (Calcutta); R. V. S. Rao, B.Sc. (Agril.) (Vizianagaram); H. G. Mathur, M.Sc. (Agril.); Syed Ali Imam Naqvi, B.Sc. (Agril.), Shripur (Banaras); Mr. R. Sharma, M.A.

Section Officers, N. Ranganathan, M.A.; B. S. Bhatnagar, M.A. (Hons.); J. P. Verma, M.Sc., LL.B.; A. D. Menon, B.A., L.S.G.D.; R. K. Ghose, B.A. (Hons.), LL.B.

Officer-in-Charge, Central Control Laboratory, Kanpur, Om Prakash.

Chief Chemist, Central Control Laboratory, Kanpur, R. K. Gobhil, B.Sc., F.H.B.T.I.

Inspectors (Quality Control), V. Chandramouly, B.Sc.; B. S. Dane, B.Sc., A.H.B.T.I.; L. K. Shukla, B.Sc., A.H.B.T.I.; Raj Kumar Malik, B.Sc. (Hons.), M.Sc. (Tech.).

Chief Inspector, Sann Hemp Grading Scheme, Partap Singh, B.Sc. (Agril.), Shripur (Banaras).

Inspectors, Sann Hemp Grading Scheme, S. I. Relwani, B.A., Shripur (Banaras); R. N. Murty, Shripur (Banaras); O. N. Garg, B.A. (Bombay); P. L. Mukherjee, M.Sc. (Calcutta).

Development Officer, Fruit Products Order, P. H. Bhatt, B.Sc. (Agril.), Hons., M.S. (Oregon, U.S.A.).

Deputy Development Officers, Fruit Products Order, H. S. Sandhu, B.Sc. (Madras); K. P. Ganguly, M.Sc. (Calcutta); Hardyal Singh, B.Sc. (Bombay); Daya Nand, B.Sc. (New Delhi); B. S. Sood, B.Sc. (New Delhi); S. C. Bhattacharya (Calcutta).

Chief Inspector, Wool and Goat Hair Scheme, B. D. Joshi, B.Sc. (Agril.).

Deputy Chief Inspector, Wool and Goat Hair Scheme, R. N. Chaturvedi, B.Sc. (Agril.).

Senior Inspectors, Wool and Goat Hair Scheme, R. S. Bhatnagar, B.Sc. (Agril.); Dr. V. P. Kachwaha, M.A., LL.B., Ph.D.

TOBACCO GRADING INSPECTORATE, GUNTUR AND OTHER CENTRES

Chief Inspector, P. L. Tandon, B.Sc. (Wales), F.R.Econ.S. (London)

Senior Inspector, S. K. Visweswara Rao, B.Sc. (Hons.).

Vigilance Inspectors, E. Parthian; M. Hanumantha Rao, B.A.

Inspectors, Y. R. Narayana Rao, B.Sc.; H. Krishnamurthy, L.A.G.; K. Seshadri, L.A.G.; T. Ramanna, B.Sc., L.A.G.; G. S. Gopala Iyengar, L.A.G.; P. I. R. Sastry, B.Sc.; K. R. Lakshmi Kantha Rao, L.A.G.; E. Gopalan; T. V. Gopalapathy, B.A.; P. Seshagiri Rao, M.Sc.; H. S. Gopala Rao, M.Sc.; S. V. Krishnaswamy, L.A.G.; G. Gopala Rao, L.A.G.; N. V. Shreekanth, B.Sc. (Hons.); Tarun Mitra Mustafi, B.A. (Hons.); G. Radha Ramana Moorthy, B.A., B.L.

STATE MARKETING OFFICERS

[Part A].

Assam.—L. K. Handique, Director of Agriculture, Shillong.

Madras.—V. Satagopan, L.A.G.

Bombay.—V. D. Karkhanis, Chief Marketing Officer; M. I. Patil, Marketing Research Officer.

West Bengal.—N. C. Ray, M.Sc., Dip. (Agril.) (Edin.).

Uttar Pradesh.—Shri Ram Singh (Food-grains).

Punjab.—Dr. Ajalb Singh.

Bihar.—V. N. Singh, B.Sc. (Agril.).

Orissa.—R. N. Dwivedi, M.A., M.S. (Minn., U.S.A.).

Madhya Pradesh.—R. N. Gadre.

[Part B].

Hyderabad.—Farmanand K. Dalal.

Mysore.—K. R. Marudva Gonda.

P.E.P.S.U..—S. Amrik Singh, B.Sc. (Hons.).

Madhya Bharat.—S. K. Bhatnagar.

Rajasthan.—K. N. Tikku (Jaipur); Panna Lal (Jodhpur); V. K. Vyas (Bikaner).

Travancore-Cochin.—Director of Agriculture, Trivandrum.

Saurashtra.—The Chief Secretary to the Government of Saurashtra, Food and Agriculture Department, Rajkot.

[Part C].

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Section of Physiological and Industrial Hygiene.

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Medical Officer, Dr. A. Banerjee, M.B.

Central Drugs Laboratory, 3, Kyd Street, Calcutta, 16

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Central Research Institute, Kasauli

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Central Drugs Standard Control Organisation

Drugs Controller (India), P. M. Nabar.

Asst. Drugs Controller (India), P. S. Ramachandran.

OFFICE OF THE ASSISTANT DRUGS CONTROLLER, BOMBAY.

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DRUGS CONTROL ORGANISATION, COCHIN.

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College of Nursing, 12, Jaswant Singh Road, New Delhi

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Assistant to Principal, G. T. Jagasia, B.Sc., LL.B.

Nursing Tutors from New Zealand under the Colombo Plan attached to this College, Miss Ethel Jean Miles, R.N., R.M., Diploma in Hospital and Nursing School Administration; Miss Jean Taylor, R.N., R.M.N., Diploma in Hospital and Nursing School Administration; Miss Ellen Wrenn, R.N., R.M., R.M.N., Diploma in Public Health Nursing Maternal Child Care.

W.H.O. Public Health Nurse, Miss G. Davis, B.S. (Public Health Nursing), R.M. Diploma in Public Health Nursing.

Dietitian and Lecturer in Nutrition, Dr. R. P. Devadas, M.A., M.Sc., Ph.D.

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Government Medical Stores Depot, Bellasis Road, Byculla, Bombay 8

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Government Medical Stores Depot, Karnal, Punjab

Deputy Asst. Director-General (Medical Stores), P. C. Kapur, B.Sc. (Hons.), M.Sc.

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Government Medical Stores Depot, Post Box No. 524, Madras 3

Deputy Assistant Director-General (Medical Stores), M. G. Pandit, B.Sc., M.Sc. (Tech).

Depot Manager, Officiating Factory Manager, D. Rajan.

Assistant Depot Managers, K. Gangayya; D. S. Desikan.

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Lady Reading Health School and Ram Chand Lohia Infant Welfare Centre, Delhi

Superintendent, Miss M. Korah.

Assistant Superintendents, Miss R. John; Miss D. Nagamani Vyasa Rao (on deputation abroad) and Miss R. Verghese (officiating).

Malaria Institute of India, 22, Alipore Road, Delhi 8

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Airport Health Officer, Dr. G. L. Bauerjee.

Assistant Surgeon, Dr. R. A. Pinto.

Port Health Nurse, Mrs. P. Andrew.

Port Health Organisation, Construction House, Ballard Estate, Bombay 1

Port Health Officer, Dr. D. Choudhury, B.Sc. (Cal.), M.B., B.S. (Pat.), D.P.H. (Cal.), D.T.M. (Cal.).

Dy. Port Health Officer, Dr. A. N. Sinha, M.B., B.S. (Patna), D.P.H. (Cal.).

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Serologist's Department, Calcutta

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1st Assistant to Serologist & Chemical Examiner to the Govt. of India, Dr. J. N. Bhattacharji, B.Sc., M.B., D.T.M.

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Secretariat Training School, Curzon Road Barracks, New Delhi 1

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Special Representative, R. L. Rau.

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Deputy Installation Engineer, Central Project Circle, New Delhi, N. D. Matange.

Project Officer, Chaman Lal.

MAINTENANCE DEPARTMENT (CURZON ROAD)

(Telegraphic Address: "AIRWORKS", New Delhi.)

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Senior Deputy Maintenance Engineers, S. S. Kohli; P. S. Nilakantan.

Deputy Maintenance Engineer, A. C. Ghosh.

THE INDIAN LISTENER, AWAZ, SARANG (CURZON ROAD)

(Telegraphic Address: "LISTENER", New Delhi.)

Editor, Indian Listener, R. S. Sharma.

Assistant Editor, The Indian Listener, K. Biswas.

Assistant Editor, Awaz, P. N. Dar.

Assistant Editor, Sarang, J. L. Birmanli.

Administrative Officer, B. N. Trikha.

HIGH POWER TRANSMITTERS, KINGSWAY, DELHI

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Deputy Installation Engineer, A. Venkateswaran.

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MONITORING SERVICE, SIMLA

(Telegraphic Address: "AIRMONITOR", Simla.)

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Assistant Director, A. N. Kaul.

PLANNING AND DEVELOPMENT UNIT, EASTERN CIRCLE, CALCUTTA

(Tel.: "AIRWORKS", Calcutta)

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Assistant Project Officer, D. V. Phatak.

Deputy Installation Engineer, D. C. Roy.

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Project Officer, Chaman Lal.

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Station Engineer, Calcutta, S. C. Roy.

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Station Director, Cuttack, Dr. S. M. Ali.

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Station Engineer, Nagpur, A. Venkateswaran.
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Assistant Station Engineer, Allahabad, P. K. Ghosh.
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Assistant Station Engineer, Bombay, R. A. P. Iyengar.
Assistant Station Engineer, Vijayawada, S. S. Iyer.
Assistant Station Director, Tiruchirappalli, N. S. Ramachandran.
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Assistant Information Officer, Harish Chandra.
Assistant Information Officer, I. P. Tewari.
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Assistant Information Officer, J. Nigam.
Assistant Campaign Officer, Balbir Singh.
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Photographer, B. D. Chopra.
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Section Officer (Grade III), J. D. Jain.
Section Officer (Grade III), Kartar Singh.
Section Officer (Grade III), M. M. S. Bhatnagar.

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Assistant Information Officer, B. K. Basu.

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Section Officer (Grade III), V. Ramasivan.

MINISTRY OF IRRIGATION AND POWER

Minister, Gulzari Lal Nanda.
Deputy Minister, Jalsukhlal Hathli.
Private Secretary to Minister, P. C. Suri, P.C.S.
Secretary, T. Sivasankar, I.C.S.
Officer on Special Duty and ex-officio Special Secretary, A. N. Khosla.
Chief Engineer and ex-officio Joint Secretary, N. D. Gulhati, I.S.E.
Joint Secretary, H. C. Gupta, I.C.S.
Deputy Secretary, A. R. Khanua, I.S.E.
Under Secretaries, S. Venkataraman, M.A.; Kallash Chandra, M.A.; Sardari Lal Vij, B.A.; G. C. Mitroo, K. L. Saxena (officiating).
Officers on Special Duty, Vidya Ratna, P.S.E. (I); Dr. J. K. Malhotra, M.A., Ph.D.
Special Commissioner (Canal Waters), G. R. Garg, I.S.E. (Retd.).
Consultant, D. D. Jain, I.S.E. (Retd.).
Consultant (part time), M. L. Mehta, B.Sc. (Agr.).
Executive Engineers, O. P. Kalsey, P.S.E. (I); Kharag Singh Rewa Singh.

Central Board of Irrigation and Power, Curzon Road Barracks, New Delhi

Secretary, M. L. Aggarwal, I.S.E., M.I.E.
Deputy Secretary, R. C. Shenoy, B.A., B.E. (Hons.).
Assistant Secretaries, M. M. Manoharamani, B.E.; S. Ramachandran, B.E. (Hons.), A.M.I.E., Assoc. M.A.S.C.E.; M. K. Krishnaswamy, B.A., B.E., and M.I.E. (Ind.); P. M. Ahluwalia, B.Sc., B.Sc. (Engg.); K. Ramesh Rao, B.E. (Hons.), M.S. (Iowa, U.S.A.), Jun. M.Am., Soc. C.E.

Central Water and Power Commission, New Delhi

Chairman, Kanwar Sain, C.E. (Roorkee), M.Am. Soc. C.E., M.Am. C.Inst., M.I.E. (India), I.S.E.
Member, S. A. Gadkary, B.E. (Elec.) (Bombay), C.P.E. (Tech.) (Glas.), M.I.E.E. (Lond.), M.I.E. (India).
Directors, M. D. Mithal, B.Sc. (Engg.) (Allah.), M.I.E. (India), I.S.E.; M. L. Sood, B.A. (Pb.), C.E. (Roorkee), M.I.E. (India), I.S.E.; Balwant Singh Nag, C.E. (Roorkee), M.I.E. (India), I.S.E.; R. D. Dhir, C.E. (Roorkee), I.S.E.; Dr. K. L. Rao, M.Sc., Ph.D., M.Inst., C.E., M.I., struct., M.I.E. (India), M.I.E. (Lond.); S. B. Vasudeva, B.A. (Pa.), B.E. (Civil) (Lond.), O.S.D., M.Am. Soc., C.E., P.S.E. (I).
Assistant Consulting Engineer, P. R. Ahuja, B.Sc. (Engg.) (Lond.), A.C.G.I. (Lond.), P.S.E. (I).

Superintending Engineer, K. L. Vij, B.Sc. (Elec.) (Hons.) (Pb.), D.M.E.C. (Hons.) (Pb.), A.M.I.E., (India), Gr. I.E.E. (Lond.).
Deputy Director (Selection Grade), Indra Sen, B.A. (Pb.), C.E. (Roorkee), M.I.E. (India), P.S.E. (I.).

CENTRAL WATER AND POWER RESEARCH STATION.

Director, D. V. Joglekar, B.E. (Civil) (Bombay), Deputy Director (Selection Grade), Dr. R. C. Hoon, M.Sc. (Pb.), Ph.D.

TAPI CONSTRUCTION CIRCLE.

Superintending Engineer, G. N. Pandit, B.Sc., M.I.E. (India), I.S.E.

KOSI PROJECT CIRCLE.

Curzon Road Barracks, New Delhi.
Superintending Engineer, A. P. Mathrani.
Executive Engineer, Kosi H.D. and I. Division, Jogbani, B. R. Shori.

Central Water and Power Commission (Power Wing)

'Clermont', The Mall, Simla 4.
Chief Engineer (Thermal), C. S. N. Raju, B.A., M.Sc. (Mech. Engg.).
Deputy Chief Engineer, H. S. Kulkarni, B.E. (Mech.), Cert. I.I.Sc., A.M.I.E.E., A.M.I.E. (India).
Senior Project Officers, P. V. S. Ayyar, B.E., M.I.E. (India); T. N. Idnani, B.Sc. (Bombay), B.Sc. (Tech.) (Manchester), A.M.C.T., M.I.E.E.; S. Bose, D.F.H. (London), A.M.I.E.E.; V. Venugopalan, B.A. (Hons.), Certificate, I.I.Sc.

Damodar Valley Corporation, Anderson House, Alipore, Calcutta 27

Chairman, P. S. Rau, I.C.S.
Members, P. P. Varma, M.A., B.L.; A. B. Ganguli, I.C.S.
Secretary, Dr. Sudhir Sen, B.A., B.Sc. (Econ.), Ph.D.
Financial Adviser, S. M. Banerjee, I.A.A.S.
Chief Engineer, A. M. Komora, B.E. (Engg.), Michigan, M.A.S.C.E.
Chief Electrical Engineer, P. K. Bhattacharyya, B.Sc. (Hons.), Glasgow.
Director of Personnel, Sohan Lal, M.Sc.
Controller of Purchase and Stores, B. C. Malik, B.A. (Tripos), Cambridge.
Chief Information Officer, S. N. Dutta, B.A.
Senior Accounts Officer, N. Gopalakrishnan, B.A.
Chief Medical Officer, Dr. B. P. Neogy, M.B., M.R.C.S. (Eng.), M.R.C.P. (Lond.).

Hirakud Control Board

P.O. Hirakud Colony, Dist. Sambalpur, Orissa.
Secretary, S. K. Palit, B.C.E., A.M.I.E.

Hirakud Dam Project

P.O. Burla, via Sambalpur, Orissa.
Chief Engineer, M. S. Thirumale Iyengar.
Superintending Engineer, Hirakud Dam Circle, A. R. Chellani.
Superintending Engineer, Mahanadi Canal Circle, Ripudaman Singh.
Superintending Engineer, Electrical Circle, N. Dharmarajan.
Superintending Engineer, Development Circle, K. M. Joshi.
Superintending Engineer, Delta Irrigation Circle, M. G. Hiranandani.
Personal Assistant to Chief Engineer, C. K. Keswani.
Personal Assistant to Superintending Engineer, Hirakud Dam Circle, Kesar Singh.
Executive Engineer, Mechanical Division, S. P. Chugh.
Executive Engineer, Left Concrete Dam Division, G. S. Thosar.

Executive Engineer, Right Concrete Dam Division, M. C. Panil.
Executive Engineer, Field Equipment Division, B. S. Kohli.
Executive Engineer, Earth Dam Division, V. Rama Rao.
Executive Engineer, Canal Division No. 1, S. S. Behra.
Executive Engineer, Canal Division No. 2, B. Misra.
Executive Engineer, Canal Division No. 3, P. C. Chopra.
Executive Engineer, Electrical Division, Kewal Kishan.
Executive Engineer, Transmission Line Division No. 1, G. V. Karve.
Executive Engineer, Power House Division, M. K. Gopalengar.
Executive Engineer, Plant and Stores Division, B. K. Mazumdar.
Executive Engineer, Buildings Division, Govind Gupta.
Executive Engineer, Development Division, R. C. Shenoy.
Executive Engineer, Dykes Division, H. Ramaswamy.
Executive Engineer, Delta Irrigation Division, K. S. Misra.
Executive Engineer, Delta Investigation Division, S. D. Nagrani.
Deputy Director, Hirakud Research Station, R. C. Hoon.
Chief Medical Officer, Hirakud Hospital, S. C. Das.

Planning Commission.

'M' Block Rashtrapati Bhavan, New Delhi.
Chairman, Jawaharlal Nehru.
Deputy Chairman, V. T. Krishnamachari.
Members, Gulzarilal Nanda; C. D. Deshmukh; K. C. Neogy
Secretary, Y. N. Sukthankar, I.C.S.
Jt. Secretary, Tarlok Singh, I.C.S.
Deputy Secretaries, O. K. Ghosh, I.A.S.; N. C. Mukerji.
Advisers on Programme Administration, S. V. Ramamurthy, I.C.S. (Rtd.); P. N. Thapar, I.C.S.; V. S. Helmedil, I.C.S.
Adviser, Planning, E. P. Moon.
Adviser, Transport, J. N. Nanda.
Adviser on Health Programme, Dr. T. Lakshminarayana.
Director, Programme Evaluation Organisation, Prof. D. G. Karve.
Chief of Economic Division, J. J. Anjaria.
Chief of Natural Resources Division, N. D. Gulati.
Chief of Industry Division, H. H. A. Razzack.
Chief of Agriculture Division, M. P. Bhavarga.

MINISTRY OF LABOUR

Minister.—V. V. Giri.
Deputy Minister.—Abid Ali
Secretary.—Vishnu Sahay, I.C.S.
Joint Secretary.—K. N. Subramanian, I.C.S.
Deputy Secretaries—Dr. S. T. Merani, I.A.S.; K. C. Kuppaswamy; N. M. Patnalk; S. Neelakantan.
Under-Secretaries.—T. S. Sahni; P. N. Sharma; K. N. Nambiar; P. S. Easwaran; A. P. Veera Raghavan.
Private Secretary to Minister.—C. V. Narayana Rao.
Asst. Private Secy. to Minister—C. V. Nayanar.
Private Secy. to Dy. Minister.—A. R. 'Yell.
Private Secretary to Secretary.—Mahindra Kishore.
Section Officers.—Din Dayal; H. G. Puri; B. K. Saksena; G. Jagannathan; P. C. Sanjal.
Senior Research Officer.—Dr. W. B. Donde.
Research Officers.—A. Krishnamurthy; L. R. Varma; B. N. Chakravarty; Gopal Prasad Khare; V. Anjaneyulu; B. S. Narula; S. S. Mukerji; T. O. Cherian.
Deputy Statistician, K. D. Chatterjee.

Coal-mines Labour Welfare Fund Organisation, Dhanbad.

Coal-Mines Welfare Commissioner, R. S. Misra.
Deputy Coal-Mines Welfare Commissioner, T. N. Das.
Financial Adviser and Accounts Officer, Vishwa Nath Prasad.
Secretary to the Commissioner, S. S. Garga.
Assistant Secretary, S. K. Chakravarty.
Advt. Edn. Officer, Shyam Chandra.
Superintending Engineer, B. R. Malhotra.
Assistant Engineers, S. D. Narain; P. C. Kohli.
Executive Engineer (offg.), N. D. Taneja.
Surgeon Superintendent, T. D. V. Krishnan.
Physician, K. Damodaran.
E. E. N. & T. Specialist, T. A. Narayanan.
Dental Surgeon, Raj Sethi.
Medical Officers, S. K. Ghosh; B. B. Bhattacharjee; M. S. Kapur; R. N. Ghosh; Mandra Pratap Singh; Atina Nand Saxena; Suresh Chandra Chakraborti; N. C. Bhattacharyya.
Resident Surgeon, Deva Prasad Ghosh.
Resident Physician, Aswini Kumar Mukherji.
Anaesthetist, Murari Mohan Sen.
Lady Doctors, Miss C. A. Harris; Mrs. S. Bose.
Chief Welfare Officer, A. Hussain.
Lady Welfare Officer, Miss S. K. Manik.
Casualty Doctor, Subodh Chandra Haldar.
Assistant Quantity Surveyor, G. C. Chatterjee.
Chief Malaria Officer, S. Roy Chowdhury.
Entomologist, C. R. Rao.
Malaria Officers, R. N. Sen; K. Goldsmith; J. N. Puttunda; A. M. Roy.
Inspectors of Labour Welfare, J. V. Bhaye; M. R. Kurrey; Mahamood Hussain.
Welfare Inspector, P. R. Khandekar.

Directorate-General of Resettlement and Employment.

D. G. R. & E. Deputy Secretary.—E. U. Damodaran.
Under-Secretaries.—P. D. Conmar; S. Rangaswami and Vidya Prakash.
Section Officers.—T. S. Raghavan; B. R. Khanna; Durga Das; H. P. Sharma; S. P. Sen Gupta; Dyal Singh; Raghunandan Lal; H. C. Manghani; S. N. Bose.
Statistical Officer, P. N. Segal.
Asst. Statistical Officer, M. L. Gupta.
Staff Training Officer, N. Chidambaram.

DIRECTORATE OF TRAINING.

Director, V. A. Choudary
Asst. Director, P. V. S. Rao.

CENTRAL EMPLOYMENT CO-ORDINATION.

Central Employment Co-ordination Officer, S. A. Chatterji.
Asst. Officer, D. K. Das Gupta.

REGIONAL DIRECTORATE OF RESETTLEMENT AND EMPLOYMENT, ASSAM, 'GROVE SIDE', KEATING ROAD, P.O., SHILLONG.

Regional Director and Ex-Officio Dy. Secy to the Government of Assam, H. Rahman.
Employment Liaison Officer, A. A. Ahmed.
Superintendent, H. L. Bhattacharjee.

Employment Exchanges—

Sub-Regional Employment Officer, Shillong P.O., S. C. Bhagabati.
Sub-Regional Employment Officer, Jorhat P.O., N. Syam.
Employment Officer, Silchar P.O., P. P. Nandi Majumdar.
Assistant Employment Officer, Sub-Office, Gauhati P.O., P. C. Das.
Assistant Employment Officer, Sub-Office, Dibrugarh P.O., Phedro Singh.
Principal, Industrial Training Institute, Jorhat P.O., H. K. Guha.

REGIONAL DIRECTORATE OF RESETTLEMENT AND EMPLOYMENT, BIHAR, BRAJ-KISHORE PATH, PATNA.

Regional Director and Additional Secretary to Government of Bihar, Ram Rudra Prasad Sinha, I.A.S.
Assistant Director of Employment Exchanges, Bihar, Raghunath Prasad.
Assistant Director of Training, South Eastern Circle, Patna, Syed Zahoor Hassan.
Employment Liaison Officer, Bihar, Umapati Kumar Sinha.

Employment Exchanges—

Regional Employment Officer, Regional Employment Exchange, Patna, Mohammed Abdul Malik.
Deputy Regional Employment Officer, Patna, Badri Paswan.
Assistant Employment Officer, Dr. Deva Sahai Trivedi.
Sub-Regional Employment Exchange, Chota-Nagpur Regimental Building, Dhanbad—
Sub-Regional Employment Officer, Rajballav Prasad.
Assistant Employment Officer, Ram Sakal Tiwary.
Officer-in-Charge, Camp Office, Kumardhubi, Rajnandan Pd.
Officer-in-Charge, Camp Office, Sindri, Dinchwar Prasad.
Sub-Regional Employment Exchange, 24, Straight Mile Road, Jamshedpur
Sub-Regional Employment Officer, Madan Gopal.
Assistant Employment Officer, Hari Singh.
Sub-Regional Employment Exchange, Kalamdagh Road, Muzaffarpur—
Sub-Regional Employment Officer, Tara Pada Sinha.
Assistant Employment Officer, Lawan Singh.
Employment Exchanges—
District Employment Officer, Arrah, Raghunath Das.
District Employment Officer, Gaya, Bansidhar Prasad.
District Employment Officer, Bhagalpur, Maheshwari Prasad.
District Employment Officer, Monghyr, Chandrika Pd. Singh.
District Employment Officer, Daltonganj, Shilpa Sahay Srivastava.
District Employment Officer, Hazaribagh, Arya Kumar Gupta.
District Employment Officer, Ranchi, Sharda-nand Jha.
District Employment Officer, Chabassa, Bindeshwari Pd. Verma.
District Employment Officer, Dumka, Rameshwar Prasad Kuthotiar.
District Employment Officer, Chapra, Naimul Huque.
District Employment Officer, Katikari, Chintamoul Ghosh.
District Employment Officer, Motihar, Mundrika Prasad.
District Employment Officer, Laheriasarai, Abdul Rub Dauli.
Principal, Industrial Training Institute, Digha, V. G. Bhedi.

REGIONAL DIRECTORATE OF RESETTLEMENT AND EMPLOYMENT, MERCANTILE CHAMBERS, GRAHAM ROAD, BALLARD ESTATE, BOMBAY 1.

Regional Director, E. Francis.
Deputy Regional Director, M. T. Gulrajani.
Assistant Director of Employment Exchanges, R. M. Dolphode.
Employment Liaison Officer, B. S. Gokral.
Assistant Director of Training, D. K. Datar.
Asstt. Inspector of Training, A. K. Srivastava.

Employment Exchanges—

Regional Employment Officer, Hassan Chambers, Parsi Bazar Street, Fort, Bombay, M. P. Bellappa.
Sub-Regional Employment Officer, Parel, Mercantile Chambers, Graham Road, Ballard Estate, Bombay, S. D. Framroze.
Sub-Regional Employment Officer, Lal Darwaja, Ahmedabad, A. N. Venkatarao.
Sub-Regional Employment Officer, Club Road, Hubli, O. W. Prahlad.
Sub-Regional Employment Officer, Mulji Jetha Building, Station Road, Jalgaon, Y. D. Mahajan.
Sub-Regional Employment Officer, 481, Sardar Mudaliar Road, Poona, K. D. Advani.
Sub-Regional Employment Officer, Opposite Railway Lines, Sholapur, P. A. Gomes.
Sub-Regional Employment Officer, Opp Dist Court, Surat, D. S. Chandanshive.
District Employment Officer, Puga Building, Old Palace, Kolhapur, C. S. Girap.
District Employment Officer, Collector's Office, Belgaum, U. B. Pardeshi.
District Employment Officer, Krishna Nivas, Kadwa Lane, Thana, D. S. Gupte.
Employment Officer, Near Race Course Road, Rajkot, H. C. Pandya.

Training Centres/Institutes—

Principal, Industrial Training Institute, 374, Arthur Road, Bombay, R. A. Keshaviah.
Principal, Industrial Training Institute, Aundh Camp, Poona, S. N. Sawant.
Principal, Industrial Training Centre, Nourjee Wadia College, Poona, V. K. Joag.
Principal, Industrial Training Centre, Shiraj Technical Institute, Kolhapur, J. M. Badhe.
Principal, Industrial Training Centre, Bhoomeradi Coll. of Engg. and Technology, Hubli, A. S. Menon.

REGIONAL DIRECTORATE OF RESETTLEMENT AND EMPLOYMENT, DELHI, AJMER AND RAJASTHAN, 18, GURDWARA ROAD, NEW DELHI

Regional Director, G. R. Nagar.
Asstt. Director of Employment Exchanges, R. N. Pandya.
Asstt. Director of Training, B. S. Randhawa.
Employment Liaison Officer, K. L. Malhotra.

Employment Exchanges

Regional Employment Officer, 14, Daryaganj, Delhi, Jitendra Lal.
Sub-Regional Employment Officer, Lodha Dharamshala, Ajmer, S. N. Malaviya.
Sub-Regional Employment Officer, Town Hall, Jaipur, A. Sen.
Employment Officer, Alwar, Anand Swaroop.
Employment Officer, Bhiwara (Udaipur), P. N. Tandon.
Employment Officer, Stock Exchange Bldg., Bikaner, Shankar Singh.
Employment Officer, Municipal Bldg., Central Hall, Inside Sojati Gate, Jodhpur, Ranjitmal Singhvi.
Employment Officer, Kota, S. N. Verma.

Training Centres/Institutes—

Manager, Industrial Training Centre, Delhi Polytechnic, Delhi, Prithvi Nath.

Principal, Industrial Training Institute, Pusa, New Delhi, M. S. Garudachar.

Principal, Industrial Training Institute for Women, Curzon Road, New Delhi, Smt. S. Varna.

Principal, Industrial Training Institute, Ajmer, S. K. Mishra.

Manager, Industrial Training Centre, Waterworks, Jaipur, K. C. Jaitly.

REGIONAL DIRECTORATE OF RESETTLEMENT AND EMPLOYMENT, MADHYA PRADESH, OLD HIGH COURT BUILDINGS, NAGPUR.

Regional Director, A. B. Vaidya.
Employment Liaison Officer, Sarju Prasad.
Regional Employment Officer, Liberty Cinema Bldg., Residency Road, Nagpur, V. V. Nene.
Sub-Regional Employment Officer, 21, Napier Town, Jabalpur, K. P. Lele.
Sub-Regional Employment Officer, Badnera Road, Amravati, B. B. Dube.
Sub-Regional Employment Officer, City Station Road, Raipur, V. M. Sonak.
Employment Officer, 71, Snehalata Ganj, Indore, J. N. Shandilya.
Employment Officer, Falak Manzil, Bhopal, Mukund Rao.
Employment Officer, Station Road, Lashkar, Gwalior, A. K. Sengar.
Principal, Central Training Institute for Instructors and Industrial Training Centre, Koni-Bilaspur, N. C. Chakraverty.

REGIONAL DIRECTORATE OF RESETTLEMENT AND EMPLOYMENT, WEST BENGAL, 28, THEATRE ROAD, CALCUTTA 16.

Regional Director, N. M. Majumdar, M. A.
Deputy Director, C. A. Ahuja, M. A.
Asstt. Director of Employment Exchanges, J. P. Mullick, M. A.
Employment Liaison Officer, B. C. Ray, M. Sc.
Asstt. Director of Training, Eastern Circle, B. M. Bose, B. E., A.M.I.E., M.M.E.A. (India).
Asstt. Inspectors of Training, J. M. S. Chaudhury; H. B. Sarker.

Employment Exchanges.

Regional Employment Officer, 5, Connel House Street, Calcutta 1, S. K. Mukerjee.
Sub-Regional Employment Officer, 27, Moulana Abul Kalam Azad Road, Howrah, A. Dutt Roy.
Sub-Regional Employment Officer, 39 1, Circular Garden Reach Road, Kidderpore, S. K. Ray.
Sub-Regional Employment Officer, 40, Middle Road, Barrackpore, A. C. Chakravarty.
Sub-Regional Employment Officer, 38, Dr Nichol's Road, Asansol, S. N. Bhose.
Sub-Regional Employment Officer, Old Secretariat Buildings, Meadow Bank Road, Darjeeling, S. K. Dutt.
Dist. Employment Officer, 20-A, Sannipuri Lane, Goukhanan Road, Serampore, R. Das Gupta.

REGIONAL DIRECTORATE OF RESETTLEMENT AND EMPLOYMENT, MADRAS, CATHEDRAL POST, MADRAS 6.

Regional Director, Syed Abdul Quadir.
Deputy Director, P. K. Pushparaj.
Asstt. Director, D. D. Anugraham.
Asstt. Director of Employment Exchanges (Administration), M. Parameswaran Pillai.
Employment Liaison Officer, S. V. Ramanujam.
Asstt. Director of Training, M. D. Naik.
Asstt. Inspectors of Training, T. R. Doss; G. Lakshminipathi.

Employment Exchanges—

Regional Employment Officer, Madras, K. T. N. Nambar.
Dy. Regional Employment Officer, Madras, V. V. Arundathi.

Asstt. Employment Officers, Madras, M. A. Krishnamoorthy; P. M. Subblah.

Asstt. Employment Officer (Technical), Madras, J. Christopher.

Dist. Employment Officer, Chingleput, C. A. Bhaktavatsalam.

District Employment Officer, Nellore, S. Nawab.

Sub-Regional Employment Officer, Madurai, K. O. Isaac.

Asstt. Employment Officer, Madurai, T. R. Natarajan.

Asstt. Employment Officer (Technical), Madurai, R. V. Natarajan.

District Employment Officer, Ramanathapuram, S. M. A. Karim.

District Employment Officer, Tirunelveli, P. D. Seshachelam.

Sub-Regional Employment Officer, Tiruchirappalli, G. K. Katre.

Asstt. Employment Officer, Tiruchirappalli, T. K. Venugopal.

Asstt. Employment Officer, Tanjore, P. S. Narayanan.

Asstt. Employment Officer, Cuddalore, K. K. Krishnan.

Sub-Regional Employment Officer, Vellore, Vacant.

Asstt. Employment Officer, Vellore, Smt. R. Davis.

Dist. Employment Officer, Chittoor, C. M. Naziruddin.

Sub-Regional Employment Officer, Anantapur, V. R. K. Tillak.

Asstt. Employment Officer, Anantapur, P. V. Damodaran.

Dist. Employment Officer, Kurnool, M. Appa Rao.

Dist. Employment Officer, Bellary, R. Prabhakara Rao.

Dist. Employment Officer, Cuddappah, V. Devaprasad.

Sub-Regional Employment Officer, Kozhikode, M. K. Nair.

Asstt. Employment Officer, Kozhikode, P. N. Menon.

Asstt. Employment Officer (Technical), Kozhikode, N. P. Pillai.

Dist. Employment Officer, Mangalore, A. Abu-Backer.

Employment Officer, Coorg, P. Parameswaran.

Sub-Regional Employment Officer, Coimbatore, O. K. Moorthy.

Asstt. Employment Officer, Coimbatore, Vacant.

Dist. Employment Officer, Salem, N. V. Raman.

Dist. Employment Officer, Ootacamund, C. R. Chakravathy.

Sub-Regional Employment Officer, Visakhapatnam, P. Veeraswamy.

Asstt. Employment Officer, Visakhapatnam, M. Bapanna.

Dist. Employment Officer, Kakinada, M. S. Ramanujam.

Sub-Regional Employment Officer, Vijayawada, M. Arjunadas.

Asstt. Employment Officer, Vijayawada, P. V. Subramanyam.

Dist. Employment Officer, Guntur, K. V. R. Choudary.

Dist. Employment Officer, Eluru, M. Mohd. Ismail.

Training Centres—

Principal, Industrial Training Institute, Madras, J. S. Oliver.
Principal, Industrial Training Institute, Anantapur, A. Ramalingam.
Principal, Industrial Training Institute, Kakinada, T. Subramaniam.
Principal, Industrial Training Institute, Jalapalli, P. Deen Dayal.

REGIONAL DIRECTORATE OF RESETTLEMENT AND EMPLOYMENT, ORISSA, OLD SECRETARIAT BUILDING, DARGHA-BAZAR, CUTTACK

Regional Director, H. P. Deb.
Asstt. Public Relations Officer, L. K. N. Mohanti.

Sub-Employment Exchanges :—

Sub-Regional Employment Officer, Cuttack, R. N. Mohanti
Asstt. Employment Officer, Cuttack, V. A. R. Suryam.
Dist. Employment Officer, Sambalpur, A. K. Ghosh

REGIONAL DIRECTORATE OF RESETTLEMENT AND EMPLOYMENT, PUNJAB, KENNEDY HOUSE ANNEXE, SIMLA 4

Regional Director, Dr. S. N. Channa

Asstt. Director of Employment Exchanges, K. K. Khosla.
Employment Liaison Officer, S. P. Moudgil
Asstt. Director of Training, Dr. S. C. Roy.
Asstt. Inspector of Training, G. S. Sharma.

Employment Exchanges :—

Regional Employment Officer, 101, The Mall, Ambala Cantt., V. V. Nene
Sub-Regional Employment Officer, 4 Grand Trunk Road, Amritsar, B. S. Bal
Sub-Regional Employment Officer, Empress Gardens Road, Jullundur City, R. L. Tandon
Sub-Regional Employment Officer, Mandot House, Ferozepur City, P. C. Lohita
District Employment Officer, Grand Trunk Road, Ludhiana, Lachhman Singh
District Employment Officer, Opp. Sona Bus Stand, Gurgaon, H. S. Kapur
District Employment Officer, Opp. Railway Station, Hissar, M. S. Gandhok
District Employment Officer, Civil Lines, Gurdaspur, I. S. Sabharwal
District Employment Officer, Kennedy House, Simla, B. M. Pal
District Employment Officer, Model Town, Hoshiarpur, D. N. Mehta
District Employment Officer, Jail Road, Rohtak, S. N. Nauda
District Employment Officer, Zaildhar, Karnal, D. S. Malik
District Employment Officer, Beas View, Dharamsala, J. P. Anand
Employment Officer, Darshan Gate, Patiala, PEPNU, G. S. Laddar
Employment Officer, Suket House, Mandi, R. S. Bisht

Training Institutes/Centres

Principal, Industrial Training Institute, Ferozepur, N. S. Bijur
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Asstt. Manager, Serampore Colliery, W. J. Page.

Asstt. Manager, Bokaro Colliery, P. N. Lahiri.

Asstt. Coal Supdt., K. P. Dicks, S. Yegneswaran.

Asstt. Coal Supdt., Jharra Colliery, G. B. Sadhu.

Asstt. Coal Supdt., Sijua, N. Chandra.

Asstt. Coal Supdt., Dishergarh, M. I. Gupta.

Asstt. Coal Supdt., Charanpur, S. Bose.

Asstt. Coal Supdt., Ramgunj, T. V. George.

Asstt. Coal Supdt., Punch Valley, J. N. Saidha.

Asstt. Coal Supdt., Singareni, S. D. Banerjee.

Elec. & Mech. Engineer, Kargali, Vacant.

Elec. & Mech. Engineer, Giridih, C. R. Voller.

Asstt. Elec. Engineer, Kargali, K. G. Bhindwale.

Deputy Coal Supdt., Secunderabad, C. R. Sharma.

Manager, Coke Ovens, S. Banerjee.

Labour Welfare Officer, Giridih, L. Singh.

Labour Welfare Officer, Kargali, S. Banerjee.

* Due to take up post as Comptroller and Auditor-General of India in August 1954 according to present arrangement.

Officer-in-Charge, Lignite Investigation, H. K. Ghosh.
Food Supply Officer, Kargali, A. K. Ghatak.
Asst. Medical Officer, Dr. H. C. Chatterjee.

DISTRIBUTION

Deputy Coal Commissioner, M. L. Shome.
Jt. Dy. Coal Commissioner, S. V. M. Sundaram.
Chief Combustion Engineer, P. B. Purkayastha.
Asst. Coal Commissioners, A. K. Dutt; A. E. Ritchin.
Dy. Asst. Coal Commissioners, David Sen; S. K. Bose; S. K. Roy; J. P. Dube; B. R. Bakhshi; C. Mukherjee.

Hindustan Cables Ltd.

3, RIVER ROAD, CHITTARANJAN, W. BENGAL.

General Manager, B. K. Mitter.
Purchase and Sales Officer, G. D. Saha.
Plant Superintendent, K. K. Banerjee.
Chief Inspector and Technical Assistant, J. Das Gupta.
Chief Tester and Technical Assistant, S. P. Banerjee.
Operating Superintendents, K. P. Pillai; B. S. Prasanna; B. K. Madhavan Nair.
Accounts Officer, A. K. Basu.
Stores and Transport Officer, M. S. Das Gupta.

Hindustan Housing Factory, Ltd.

JANGPURA, NEW DELHI.

Managing Director, R. B. Sasakh Singh.
Technical Director, C. G. Thorborg.
Head of Administration Department, S. Daya Singh.
Head of Purchase Department, S. Mohkam Singh.
Secretary, Board of Directors and Head of Accounts and Costing Planning and Co-ordination, S. Rajendar Singh.
Head of Foam Concrete Department and Laboratory, A. Nielsen.
Head of Woodwork Department, G. Djupsjo.
Head of Prestressed Concrete Dept., E. Kempf.
Head of Workshop and Maintenance, J. B. Kullmann.
Head of Designs Department, H. Ambye.
Head of General Co-ordination, C. D. Kapur.

Hindustan Machine Tools Limited, Jalabali P.O., Bangalore.

Managing Director, Aftab Rai.
General Technical Manager, S. S. Iyengar.

Hindustan Shipyard Limited.

GANDHIGRAM P.O. VISHAKAPATNAM.

Managing Director, R. L. Gupta, I.C.S.
Technical Director, Paul Maerten.
Chief Shipyard Manager, R. Satger.
Controller of Stores, H. V. Karve.
Chief Accountant, A. Seshagiri Rao.
Administrative Officer, V. S. Narayanan.
Secretary, M. V. Hate.
Naval Architect, Jai G. Patell.

Nahan Foundry, Limited, Nahan.

General Manager, Gandharv Sain.
Manager, Ram Chand.
Organiser Agencies, Surat Ram.
Agencies Manager, R. C. Malhan.

Indian Penicillin Committee, King Edward Road, Parel, Bombay 12.

Chairman, Dr. B. B. Dikshit, Surgeon General with the Govt. of Bombay, Ballard Estate, Bombay.
Members, Dr. G. Sankaran, Officer-in-Charge; K. R. Aravamuthan, Under Secretary to the Govt. of India, Ministry of Finance (Industry and Commerce Division), Hararwala Building, Wiltet Road, Ballard Estate, Bombay.
Chief Bacteriologist, Dr. S. R. Sarvotham.

National Instruments Factory, 15, Wood Street, Calcutta 16.

Superintendent, Mukherji, Bhabesh Chandra, M.Sc.
Technical Manager, P. Dinkel.
Works Manager, Mahajan, Parshotam Chand, M.Sc., M.Sc. (Tech.).

Assistant Works Managers, P. S. Paul; A. N. Sen, M.Sc.; D. C. Roy, M.Sc., D.I.C.
Accounts Officer, S. K. Dutta, B.A.
Labour Officer, O. Maheepathi, M.A.
Assistant Surgeon, Dr. K. K. Das.

Office of the Salt Commissioner, 'P' Block, Raisina Road, New Delhi.

Salt Commissioner, S. C. Aggarwal.
Deputy Salt Commissioner, B. S. Lamba.
Assistant Salt Commissioners, S. K. Das Gupta; Sheo Prasad Srivastava; U. S. Sekhon.
Accounts Officer, D. N. Banerjee.
Administrative Officer, P. N. Dhir.

OFFICE OF THE DEPUTY SALT COMMISSIONER, EXCHANGE BLDG., SPROTT ROAD, BALLARD ESTATE, BOMBAY 1.

Deputy Salt Commissioner, P. K. Sarkar.
Asst. Salt Commissioners, K. L. Gambhir; P. J. Cooper; B. V. Shah.
Supds. of Salt, D. V. Dange; U. M. Jhalla; A. D. Adhikari; S. A. Kadri; S. S. Vyasa.
Supds.-cum-Chemist, G. V. Dange.

OFFICE OF THE DEPUTY SALT COMMISSIONER, WHITE LODGE, 48 HARRINGTON ROAD, CHETPUT, MADRAS.

Deputy Salt Commissioner, N. G. Mitra.
Assistant Salt Commissioners, R. K. Das, Ghulam Anwar Ghulam Ali.
Supds., C. V. Rama Krishna Pillai; R. Murgesam Pillai; S. A. M. Maracayar; A. J. James; A. Subramaniam; H. N. Banerjee.

OFFICE OF THE ASSISTANT SALT COMMISSIONER, 11 CHITTARANJAN AVENUE, CALCUTTA.

Assistant Salt Commissioner, M. K. Chatterjee.
Supds., S. N. Ghosh; K. Swaminathan.

OFFICE OF THE GENERAL MANAGER, SAMBHAR LAKE (RAJASTHAN).

General Manager, H. J. Everden.
Electrical & Mech. Engineer, B. S. Rathore.
Assistant Surgeon, Dr. J. P. Udawat.
Treasury Officer, M. Veeraraghavah Naidu.
Assistant General Manager, B. K. Roy.
Superintendents of Salt, S. P. Kapoor; D. V. Kritkar; Jogindra Singh; W. R. Mehta; K. L. Sahani; S. S. Prasad; B. N. Lahiri.

MANDI SALT MINES, MANDI, (HIMACHAL PRADESH).

Mining Engineer, C. L. Malhotra.

Office of the Special Officer, Machine Tools Industry

Room No. 315, Block 8, Shahjahan Road, New Delhi.

Special Officer, S. S. Iyengar, B.E. (Mech.), M.I.E. (Ind.), M.I.Mech.E. (Lond.).
Officer on Special Duty, H. D. Doongaji, B.A. (Hons.), M.A., LL.B.

Penicillin Factory, Pimpri (Near Poona).

Chief Project Officer, K. C. Grover.
Chemical Engineer, Dr. H. E. Eduljee.
Director (Laboratory), Dr. K. Ganapathy.
Services Engineer, B. V. Raman.
Chief Mycologist, Dr. M. Tirumalachari.
Chief Bio-Chemist, Dr. D. Ghosh.
Chief Organic Chemist, Dr. R. P. Kaushal.
Bio-chemical Engineer, C. Narasimachari.

Sindri Fertilisers and Chemicals Limited, Sindri P.O., Manbhum District, Bihar.

Board of Directors.

Chairman, Secretary to Ministry of Production, Govt. of India.

Directors, Sir J. J. Ghandy; Lala Shri Ram; K. R. P. Aiyangar (Joint Secretary, Ministry of Finance, I and C Division, Govt. of India); Narayan Mahtha, M.P.; P. C. Bhattacharyya (Financial Commissioner, Railways); S. R. Vasavada, M.L.A. (Bombay); A. B. Chatterji, I.C.S. (Managing Director).

Administrative Staff.

Managing Director, A. B. Chatterji, I.C.S.
Controller of Accounts and Sales Manager, M. K. Mathulla.
Personnel Manager, P. C. Chakravarti.
Town Administrator, P. Das.
Public Relations Officer, S. M. Wasi.
Purchase Officer, V. Seshadri.
Stores Officer, Lochan Singh.
Secretary to Managing Director, S. N. Dandona.
Assistant Controllers of Accounts, R. Srinivasan; S. S. Seshadri.
Senior Medical Officer, Dr. B. C. Alch.

Technical Staff.

General Superintendent, T. Benson Gyles.
Superintendent (Production), Dr. Ing. H. Grimm.
Superintendent (Maintenance), Johannes Doll.
Superintendent (Power Plant), A. George Forgan.
Dy. Superintendent (Instrumentation), M. N. Roy Choudhury.
Technical Secretary to Managing Director, Dr. K. L. Ramaswamy.
Deputy Superintendents (Power Plant), M. P. Mehta; B. N. Bose.
Chief Chemist, Dr. K. M. Chakravarty.
Deputy Superintendent (Mechanical Maintenance), T. N. Rao.
Deputy Superintendent (Electrical Maintenance), N. S. Shankarlah.
Plant Manager (Sulphate), K. C. Sharma.
Plant Manager (Ammonia), J. Simon.
Plant Manager (Gas), Dr. S. K. Mukherjee.
Plant Manager (Coke Ovens), Dr. A. N. Bose.
Chief Technologist, Dr. K. R. Chakravarti.

MINISTRY OF REHABILITATION

Minister, Ajit Prasad Jain.
Private Secretary to Minister, H. D. Pradhan, U.P.C.S.
Deputy Minister, J. K. Bhonsle.
Private Secretary to Deputy Minister, H. N. Fotedar.
Adviser, Mehr Chand Khanna.
Private Secretary to Adviser, Des Raj.
Secretary, C. N. Chandra, I.C.S.
Private Secretary to Secretary, A. Sethumadhavan.
Joint Secretaries, K. P. Mathrani, I.C.S.; Nakul Sen, I.C.S.
Hony. Adviser, Shrimati Rameshwari Nehru.
Deputy Secretaries, Savitri Prasad; P. G. Zachariah; M. K. Narayanan; Khushi Ram.
Officer on Special Duty, Dr. S. P. Chabiani.
Deputy Technical Adviser, D. N. Endlaw.
Under-Secretaries, V. P. Sud; K. D. Gupta.
Assistant Secretaries, J. N. Mathur; Manmohan Kishan; Onkar Dayal; Kanwar Bahadur; K. P. Misra; V. P. Bhatnagar.

BRANCH SECT., CALCUTTA

Deputy Secretary, A. S. Bam, I.C.S.
Under-Secretaries, S. Majumdar; S. K. Sen; P. K. Mahapatra.

CUSTODIAN-GENERAL OF EVACUEE PROPERTY, NEW DELHI

Custodian-General, Sankar Saran.
Private Secretary to Custodian-General, S. Narula.
Deputy Custodian-General, Chhakan Lal.

CUSTODIANS OF EVACUEE PROPERTY, DELHI-AJMER

Custodians, Dwarka Das Suri; Dr. Tara Chand.

**CHIEF SETTLEMENT COMMISSIONER,
NEW DELHI.**

Chief Settlement Commissioner and Ex-Officio Joint Secretary, N. C. Shrivastava, I.O.S.

**SETTLEMENT WING, KHAN MARKET,
NEW DELHI.**

Settlement Commissioner (Headquarters), C. N. Sen.

Under-Secretary and Assistant Settlement Commissioner, M. L. Puri.

Assistant Settlement Commissioner, K. S. Kane.

CLAIMS WING, METCALFE HOUSE, DELHI.

Settlement Commissioners, Jugal Kishore Khanna; E. K. Valsh.

MINISTRY OF STATES

Minister, Dr. Kallias Nath Katju.

Secretary, C. S. Venkatachar, I.C.S.

Joint Secretaries, V. Viswanathan, I.C.S.; G. Swaminathan.

Deputy Secretaries, C. Ganesan; S. Narayanaswamy.

Under-Secretaries, H. C. Mahindroo; B. Das; A. N. Sachdev; E. Herd.

Assistant Secretaries, K. N. V. Nambisan; S. K. Ayangar; M. M. Thomas.

Private Secy. to M., T. S. Anantakrishnan.

Private Secy. to Secy., Mangal Chand.

Section Officers, T. P. Verma; B. B. Chakravarty; K. Raja Ram; M. P. Rodrigues; D. Krishnamurti; Tara Singh; S. Srinivasan; B. D. Joshi; S. G. Dhawle; S. P. Kaul.

MINISTRY OF TRANSPORT

Minister, Lal Bahadur Shastri.

Deputy Minister, O. V. Alagesan.

Secretary, N. M. Ayyar, I.C.S.

Deputy Secretaries, S. K. Ghosh; S. N. Chib; T. S. Parasuraman; C. Parthasarathy.

Under-Secretaries, S. N. Banerji; D. D. Suri; E. S. Bani; K. Narayanan.

Private Secretary to the Minister, G. Santhanam.

Private Secretary to Deputy Minister, K. Narayanan.

Private Secretary to Secretary, P. L. Gupta.

Assistant Secretary, S. K. Venkatachalam.

Section Officers, L. N. Bhatt; S. S. Shrivastava; Brahm Prakash; Gian Singh; B. K. Dey; A. N. Chopra; N. A. Chatterji; D. A. R. Warrier; J. S. Uppal; Kishan Chand; K. V. N. Menon; Jaswant Singh; Dayal Das.

ROADS ORGANISATION

Consulting Engineer (Road Development) and Joint Secretary to the Government of India, H. P. Mathrani, I.S.E.

Additional Consulting Engineer to the Government of India (Roads), H. P. Sinha, I.S.E.

Deputy Consulting Engineer (Roads), Goverdhan Lal.

Deputy Consulting Engineer (Bridges), S. L. Basu.

Planning Officers, D. G. Bhagat; C. P. Subhiah; P. T. N. Nayar; Hardyal.

Deputy Materials and Plant Officer, R. S. Bhalla.

Deputy Standards Officer, H. Sunder Rao.

Officer on Special Duty, C. S. Anantapadmanabhan.

Divisional Engineers (Consultants), M. B. Lal; P. C. Poonan; J. M. Trehan; T. G. Sadaranga; N. D. Mirochandani; M. P. Nagarath; E. L. Gursahani; J. Subrahmanyam; B. P. Patel; N. S. Surya; M. B. Mitra.

Assistant Engineers (Consultants), N. Sen; S. K. Rajagopalan; B. N. Ghose; M. D. Menon; M. G. Oza; A. J. D'Costa; A. Mukerjee.

Assistant Engineers (Grade I), N. S. Ramaswami; T. N. Bhargava; D. R. Upadhyaya.

Assistant Engineers (Grade II), Jaswant Singh; B. S. N. Murthi; D. T. Grover; M. K. Navaney; K. M. Chandramani; S. L. Kathuria; H. B. Gajria; G. Venkatesulu.

Under-Secretaries, K. Ranganathan; P. V. Gopalan; V. M. Perulekar.

Assistant Secretary, M. Massey.

Section Officers, W. N. Seth; C. L. Goyal; Harbans Singh; Brij Ratan Lal; N. Radhakrishnan; Banwari Nath; Fateh Chand; C. V. Narayanan.

REGIONAL TOURIST ORGANISATION

Regional Tourist Officer, Churchgate, Bombay, T. Khushal Singh.

Regional Tourist Officer, Esplanade Mansions, 14-16, Government Place East, Calcutta, Dhira, Ghosh.

Regional Tourist Officer, 88, Queensway, New Delhi, E. H. K. Sen.

Regional Tourist Officer, 18-A, Mount Road, Madras, Miss S. G. Kalyanpur.

Tourist Information Officer, Agra Club, The Mall, Agra, K. N. Kudesia.

Tourist Information Officer, The Mall, Banaras Cantt., R. K. Saksena.

**Central Standards Office for Railways, 'N' Block
Raisina Road, New Delhi.**

Deputy Chief Controller of Standardization, In-Charge, B. S. Sindhu.

Deputy Chief Controller (Civil), V. Venkataramaya.

Asst. Chief Controller (Specifications & Records), B. Rajagopalan.

Architect, N. B. Shroff.

Assistant Chief Controller (Mech) (Carriage and Wagon), G. Pershad.

Assistant Chief Controller (Civil), L. C. Mohindra.

Assistant Chief Controller (Civil II), M. Menezes.

Assistant Chief Controller (Coach Building), B. L. Ballur.

Sectional Officer (E D O), J. S. Bhavra.

Establishment Officer, Lal Das.

Assistant Chief Controller (Loco), R. Krishnamurti.

Inspecting Officer for Railways (Locos & Boilers), R. K. Sethi.

Sectional Officers, K. S. Krishnan; A. V. Srinivasan.

**Civil Aviation Department*
Talkatora Road, New Delhi.**

Director-General of Civil Aviation, L. C. Jain, I.C.S.

Deputy Director-General (A), K. M. Raha.

Deputy Director-General (T), M. G. Pradhan.

ADMINISTRATION DIRECTORATE

Director of Administration, N. Ramakrishna.

Assistant Directors of Administration, G. W. Balchandani; K. Sachidanandam; Gian Singh.

**AIR ROUTES AND AERODROMES
DIRECTORATE**

Director of Air Routes and Aerodromes, R. K. Nanda.

Deputy Directors, G. D. Singh; A. D. Mehta; G. B. Singh.

Assistant Director (Equipment), P. B. Bagchi.

Assistant Director (Operations), M. L. Parashar.

Aerodrome Inspector, M. D. Sundararajan.

Assistant Director (Estates), Manohar Singh.

**TRAINING AND LICENSING
DIRECTORATE**

Deputy Director (Training and Licensing), G. S. Subramaniam.

Chief Inspector of Flying, G. C. Arya.

Assistant Director (Examination & Licensing), N. C. Khanna.

Assistant Director (Training & Education), S. G. Deshpande.

AIR TRANSPORT DIRECTORATE

Director of Air Transport, B. M. Gupta.

Dy. Director of Air Transport, J. C. Puri.

Assistant Directors of Air Transport, P. S. Warrier; S. K. Godbole.

Accounts Officer, A. Varadachari.

Operations Officer, S. Jagadish Chandran.

**INFORMATION AND REGULATIONS
DIRECTORATE**

Director of Information and Regulations, S. C. Sen.

Assistant Director, Conventions, Agreements and Legislation, D. S. Bhatti.

Assistant Director of Information and Publications, Babar Mirza.

AERONAUTICAL INSPECTION DIRECTORATE

Director of Aeronautical Inspection, K. L. Puri.

Deputy Directors of Aeronautical Inspection, J. Sen; S. H. Kinn.

Senior Aircraft Inspectors, M. D. Naik; R. Prasad; M. G. Thudaney; R. C. Manoria.

Aircraft Examiner, N. Varadarajan.

ACCIDENT INVESTIGATION BRANCH

Inspector of Accident, Y. R. Malhotra.

Aircraft Examiner, K. O. Cherian.

AERONAUTICAL COMMUNICATION DIRECTORATE

Director of Communication, C. R. Rao.

Deputy Director of Communication, S. C. Bose.

Assistant Directors of Communication, G. M. McSweeney; H. Misra; A. J. Mirchandani.

Senior Technical Officers, K. R. Bharucha; Om Prakash; J. Pattabhiraman.

Senior Communication Officers, D. S. Rampuri; R. C. Sen; W. S. Williams; V. K. P. Naidu.

RESEARCH AND DEVELOPMENT DIRECTORATE

Deputy Director of Research and Development, P. Nilakantan.

Senior Scientific Officer, S. Ramamritham.

Technical Officers, H. J. Gursani; A. K. Ray.

AIR TRANSPORT LICENSING BOARD

Secretary, Air Transport Licensing Board, G. P. Shahani.

India's Representative on the Council of the ICAO, Montreal, D. Chakraverti.

AIR ROUTES AND AERODROMES ORGANIZATION

Controllers of Aerodromes, Santokh Singh (Bombay); L. K. Dey (Madras); G. D. Nanda (New Delhi); D. S. Jung (Dum Dum).

AERONAUTICAL INSPECTION

Dir., Aero. Inspection Office, Bangalore, A. W. Francis.

Controllers of Aeronautical Inspection, M. H. Paranjpye (New Delhi); E. J. Earle (Bombay); M. N. Sitaram (Dum Dum); M. L. Sodhi (Bangalore).

COMMUNICATION ORGANIZATION

Controllers, A. R. Ravi Varma (New Delhi); L. Ahuja (Dum Dum); N. V. S. Iyengar (Bombay); A. R. Ramnathan (Madras).

Controller, Central Radio Stores Depot, New Delhi, A. J. Srivastava.

Controller, Radio Constr. and Det. Units, New Delhi, T. S. Rangachari.

Principal, Civil Aviation Training Centre, Allahabad, R. N. Kathju.

Delhi Road Transport Authority

General Manager, B. K. Lall.

Chief Accounts Officer, R. Srinivasan.

* Under the Ministry of Communications.

Directorate General of Shipping.

'Commerce House', Ballard Estate, Bombay
Director General of Shipping, B. P. R. Patel, I.C.S.
Deputy Directors General of Shipping, P. R. Subramanian, C. P. Srivastava, I.A.S.
Officer on Special Duty, C. A. Buch.
Assistant Directors General of Shipping, S. V. Kallasapathy, Shiv Charan Das
Executive Officers, D. P. Thakur, T. K. Sarangan, N. K. Gopalan Nair.
Research Officer, D. N. Phull
Nautical Adviser to the Government of India, Captain J. R. Davies.
Nautical Surveyor, Captain G. S. Singh
Chief Surveyor with the Government of India, T. A. Keith.
Engineer Surveyor, V. R. Rajagopalan.

NAUTICAL & ENGINEERING COLLEGE
Azad Maidan, Fort, Bombay 1.

Principal, P. Alexander.
Lecturers in Engineering, P. D'Abreu, W. A. Raghavan.
Lecturers in Navigation, M. G. Datar, D. C. Mitter, P. M. Sarma
Lecturer in Mathematics (Engineering), D. S. Dingwanay
Lecturer in Mathematics and Science, K. V. Sastry.

TRAINING SHIP "DUFFERIN", OFF
MAZAGON, BOMBAY 10.

Captain Superintendent, Captain M. F. S. C. Harvey
Chief Officer, D. G. Hazari.
Executive Officers, N. K. Kershaw, Inderjit Singh
Medical Officer, Dr. E. Wilkinson.
Lecturers, P. N. Varma, B. N. Mistry, V. H. Patel, P. Krishnan Kutty, S. Mohan

DIRECTORATE OF MARINE ENGINEERING TRAINING

Azad Maidan, Fort, Bombay 1.
Director, J. S. H. Stevenson
Officer-in-Charge, T. K. T. Sriallam.
Lecturer in Engineering, R. S. Raval.
Supervisor of Workshop Training, K. K. Ghosh.
Lecturer in Applied Science, M. S. Tambe.
 Calcutta—30, Gorachand Road, Calcutta-14
Lecturers in Engineering, S. Kasthuri, K. S. Subramanian, I. Gogoi, T. T. Mausukhani, D. A. Mathew.
Lecturers in Applied Science, A. Subba Rao.
Supervisor of Workshop Training, P. N. Mathur
Medical Officer, Dr. S. N. Sen

MERCANTILE MARINE DEPARTMENT

Bombay—'Commerce House', Ballard Estate, Bombay.
Principal Officer, B. K. Gupta
Engineers & Ship Surveyors, K. Parthasarathy, P. N. Rabady, T. S. Rajan, V. R. Rajagopalan.
Nautical Surveyors, M. S. Patel, S. K. Kumarha, P. S. Vanchiswar
Ship Surveyor, R. C. Karnick
Wireless Telegraphy Inspector, P. G. Blake.
 Calcutta—'Marine House', Hastings, Calcutta.
Principal Officer, Captain T. B. Bose.
Nautical Surveyors, Lt.-Commr. G. Harries, V. V. Javadekar.
Senior Engineer & Ship Surveyor, S. A. Samson
Engineers & Ship Surveyors, S. Ratra, K. Ramakrishna.
Ship Surveyor, H. C. Raut.
Wireless Telegraphy Inspector, B. B. Sengupta.
 Madras—Old High Court Buildings, G.T., Madras.
Principal Officer, T. Berry.
 Visakhapatnam—
Nautical Surveyor, C. Sankunni.

TRAINING SHIP 'BHADRA'

H-Berth, King George's Dock, Calcutta.
Captain Superintendent, Captain J. Menecely.
Executive Officer, P. P. Rye.
Engineer Officer, J. Pestonjee.

TRAINING SHIP 'MEKHALA',
VIZAGAPATAM PORT

Captain Superintendent, Captain R. J. Sampson.
Executive Officer, D. P. Srivastava

MAJOR PORT AUTHORITIES

Chairman, Commissioners, Calcutta, R. Gupta, I.C.S.
Chairman, Madras Port Trust, G. V. Iyyar, I.C.S.
Chairman, Bombay, L. T. Gholap, I.C.S.
Adm. Officer, Cochin, M. S. Venkataraman
Dee. Commissioner, Kandla, M. Ganpati.

GOVERNMENT SHIPPING OFFICES

Calcutta—Marine House, Hastings, Calcutta
Shipping Master, Commr. E. V. Bobb
Deputy Shipping Master, T. V. Rajagopalan
Assistant Shipping Masters, P. C. Ghosh, N. R. Chakravarti
 Bombay—Gulam Mohammed Bldg., 10, Wood Road, Ballard Estate, Bombay
Shipping Master, R. U. Patel
Deputy Shipping Master, R. V. Chulam
Assistant Shipping Masters, V. S. Navak, R. N. Trilokekar

SEAMEN'S WELFARE ORGANISATION

Bombay—Gulam Mohammed Bldg., Ballard Estate, Bombay
Principal Seamen's Welfare and Civilian Passage Officer, L. Krishnan
 Calcutta—Marine House, Hastings, Calcutta
Principal Seamen's Welfare Officer, K. C. Ray
 Madras
Seamen's Welfare Officer (Ex Officio), T. Betty

Lighthouse Department

Engineer-in-Chief, Lighthouse Department & Chief Inspector of Lighthouses in India, N. Venkatesh, S. K. Laluri.
Superintendent of Lighthouses, Bombay, J. W. Orr, I.C.S.
Superintendent of Lighthouses, Madras, T. Berry.
Superintendent of Lighthouses, Calcutta, Capt. T. B. Bose.
Deputy Superintendent of Lighthouses, Saurashtra-Kutch, Jamnagar, P. K. Dave
Engineer, Lighthouse Department, M. C. Chaudhuri
Executive Engineer & P.A. to the Engineer-in-Chief, K. R. Bose.
Electrical Engineer, B. K. Rakshit.
Assistant Engineer (Electrical), B. S. Srivastava
Assistant Engineers (Civil), S. L. Kapoor, C. V. Chabhal.
Engineer Supervisor, Lighthouse Workshop, Madras, C. D. Halburn.
Mechanic-in-Chief, Lighthouse Workshop, Bombay, N. C. Bhatt.

Railway Board, New Delhi

Chairman and Member (Engineering), F. C. Badhwar.

Financial Commissioner, P. C. Bhattacharyya
Member (Staff), V. Nilakantan.
Member (Transportation), S. S. Vasist.
Director, Finance (Budget), D. P. Mathur.
Director, Civil Engineering, H. K. L. Sethi.
Director (Establishment), P. N. Saxena.
Director, Finance (Expenditure), N. C. Deb
Director, Mechanical Engineering, P. Morris.
Director, Traffic (General), A. K. Basu.
Director, Traffic (Transportation), Ranjit Singh.
Director, (Rail Movement), Calcutta, B. C. Malik
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Joint Director, Traffic (General), S. K. Guha.

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Director-General of Supplies & Disposals, M. R. Sachdev, I.C.S.

ADMINISTRATION BRANCH

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Deputy Directors, Karim Chand; Galinda Ram.

Section Officers, J. P. Bhatnagar; G. L. Gupta; K. T. Chugani; T. K. Balasubramanian; Tara Chand Rajput; R. C. Mehra; Ram Sarup Gupta; Karori Lal; R. Rajagopalan; R. Dayal; Din Dayal; N. R. Seekand; Jagat Singh; Jagat Narain Jain; O. P. Talwar.

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SUPPLIES WING

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RAILWAY STORES DIRECTORATE

Director of Supplies, J. S. Mathur.

Deputy Directors (Supplies), N. K. Thadani; F. W. Stevens.

Asstt. Directors (Supplies), G. V. B. P. Rao; S. C. Agarwal; Bhagwan Singh; L. Gomez; M. N. Krishnamurthy; K. N. Narayanan; M. Srinivasa Rao; S. P. Chatterjee.

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ENGINEERING STORES DIRECTORATE

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Section Officers, S. P. Sikka; S. Vaithilingam; N. R. Subramanian; D. C. Sen Gupta; Bhim Sen; B. K. Varma.

CHEMICAL & MISCELLANEOUS STORES DIRECTORATE

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COTTAGE INDUSTRIES

Officer on Special Duty, P. C. Chowdhury.

DISPOSALS WING

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Deputy Directors, P. Nath; S. R. Joseph.

Asstt. Directors, P. P. Kapoor; B. C. Sharma; S. D. S. Parinar; K. K. Kanai.

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Deputy Directors of Disposals, Manmohan Singh; V. V. Chandrasekharan.

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Asstt. Director of Shipping, P. V. Ramanathan.

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Asstt. Directors (Disposals), A. Mukherjee; M. K. Govind; K. K. Santra; A. K. Balasubramanyam.

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Asstt. Director of Shipping, S. Ray.

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TEXTILES

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Assistant Directors of Inspection, B. R. Nagar; T. G. V. Rao.

Assistant Inspecting Officers, D. K. Ray; K. S. Krishnamurthy.

KANPUR INSPECTION CIRCLE

4/286, Nawabganj, Kanpur

ENGINEERING

Deputy Director of Inspection, S. N. Das Gupta.

Assistant Inspecting Officer, A. N. Kampani.

TEXTILES

Inspecting Officer, S. R. Kochhar.

Assistant Inspecting Officers, S. C. Bakshi; R. C. Mathur.

Government of India Forms Press, Civil Lines, Aligarh.

Manager, D. P. Mukherji.

Assistant Manager, A. S. Krishnamurthi.

Labour Officer, G. P. Srivastava.

Medical Officer, Dr. Pearey Lal.

Government of India Forms Store, 166, Dharamtala Street, Calcutta.

Manager of the Forms Press and Forms Store, R. Ramaswamy (Master Printer).

Assistant Manager, Forms Store, C. E. James.

Superintendents, S. P. Mukherji, B.Com., P. A.

Swaminathan, M.A., A.C.W.A. (Lond.).

Accountant, S. C. Nandi, B.Sc.

Government of India Forms Press, 1, Temple Street, Calcutta.

Overseer, K. C. Pal

Accountant, J. K. Pal, B.A., LL.B.

Government of India Press, 8, Hastings Street, Calcutta I.

Manager, B. K. Roy

Assistant Manager (Administration), B. K. Banerjee.

Assistant Manager (Technical), L. E. Thomas.

Labour Officer, T. N. Rastogi.

Government of India Press, New Delhi.

Manager, M. K. Majumdar

Assistant Manager (Administration), Hans Raj Jain

Assistant Manager (Technical), S. Sarthy.

Assistant Manager (Technical), G. Matthen.

Labour Officer, H. N. Pande.

Government of India Press, Simla.

Manager, M. K. Majumdar.

Assistant Manager (Administration), A. Bhawani Shankar.

Assistant Manager (Technical), T. N. Nihau.

Overseers, S. S. Malhotra, R. S. Nilkar.

Accountant, D. N. Jairath.

Press Medical Officer, N. N. Gera.

Printing and Stationery Department, New Delhi.

Controller of Printing and Stationery, C. A. Subrahmanyam.

Deputy Controller (Headquarters), M. M. Saklani.

Assistant Controllers Printing, T. N. Srivastava; N. Visvanathan, E. I. Grant.

Assistant Controller (Headquarters), Shambu Ram.

Inspector of Stationery (New Delhi), S. Thyagarajan

Inspector of Printing, J. R. Hopper.

Inspector of Stationery (Calcutta), B. Pal.

Assistant Controller, Printing (O.P.), Calcutta, V. Ramachandran.

Section Officers, J. C. Paul, Ratan Singh; Jivan Das; Des Raj Vij; K. R. Sani; A. Bhawani Shankar; V. S. Agnihotri.

SUPREME COURT OF INDIA, PARLIAMENT HOUSE, NEW DELHI

Chief Justice of India, The Hon'ble Mr. Justice Mehr Chand Mahajan.

Judges, The Hon'ble Mr. Justice Bijan Kumar Mukherjee; The Hon'ble Mr. Justice Sudhi Ranjan Das; The Hon'ble Mr. Justice Vivian Bose; The Hon'ble Mr. Justice Ghulam Hasan; The Hon'ble Mr. Justice N. H. Bhagwati; The Hon'ble Mr. Justice B. Jagannadhas; The Hon'ble Mr. Justice T. L. Venkatarama Ayyar.

Registrar, P. N. Murty, B.A., LL.B.

Taxing Officer & Dy. Registrar, K. Krishnaswami Aiyar, M.A., B.L.

Dy. Registrar, Shrivcharan Das Goswami, B.A., LL.B.

Asstt. Registrars, S. N. Sharma; Guru Datta, B.A., LL.B.; Kedar Nath Gupta, B.A., LL.B.

Editor, Supreme Court Reports, A. N. Chona, B.A., LL.B.

UNION PUBLIC SERVICE COMMISSION

Dholpur House, P. Box 186, Shahjahan Road, New Delhi 2.

Chairman, R. N. Banerjee, I.C.S.

Members, A. A. A. Fyzee; S. V. Kanungo; N. Govindarajan; C. B. Nagarkar, I.C.S.; N. K. Siddhanta.

Secretary, D. C. Das, I.C.S.

PARLIAMENT OF INDIA

(For list of Members see under article "General Elections".)

INDIAN POLITICAL REPRESENTATIVES ABROAD

Country.	Station.	Designation.	Name.	Address.
EMBASSIES				
AFGHANISTAN.	Kabul.	Ambassador First Secretary Military Attache Cultural Relations Officer Press Attache Registrar	Bhagwat Dayal Vacant. Col. N. K. Lal Girdhari Lal Puri. Mahabir Sahai S. C. Mukherjee.	Shahr-e-Arad, Kabul.
ARGENTINA.	Buenos Aires.	Ambassador Charge d'Affaires Information Officer Second Secretary (Commercial) Third Secretary	Vacant. G. J. Malik (First Secretary). M. D. Shahane. V. C. Vijaya Raghavan. A. K. Mitra.	Lavalle 462 (5th Floor), Buenos Aires.
BELGIUM.	Brussels.	Ambassador First Secretary Second Secretary (Commercial)	P. A. Menon (Also Minister to Luxembourg) Shardul Bikram Shah. N. Kesavan	62, Avenue Franklin Roosevelt, Brussels
BRAZIL.	Rio De Janeiro.	Ambassador First Secretary Information Officer	H. H. Raja Joginder Sen Bahadur of Mandi. A. B. Bhadkamkar. H. S. Vahabi	Rua Barao de Flamengo, 22, Apt. 801-802, Rio De Janeiro
BURMA.	Rangoon.	Ambassador First Secretary First Secretary (Commercial) Military Attache Second Secretary Vice-Consul Labour Welfare Officer and Vice-Consul Food Attache	K. K. Chettur M. A. Rahman H. N. Vibhakar Col. S. N. Thakar Vacant. K. C. Sehgal P. Krishna Rao J. Bose	Randeria Buildings, Phayre Street, P. Box No. 751, Rangoon
CHILE.		Charge d'Affaires	G. J. Malik	Lavalle 462 (5th Floor), Buenos Aires
CHINA.	Peking.	Ambassador Minister Counsellor First Secretary Information Officer Food Attache Registrar	N. Raghavan T. N. Kaul R. Gobardhan A. H. Safran O. P. Khosla R. S. Nag M. N. Chanda	32, Legation Street (East), Peking, via Hongkong.
CZECHOSLOVAKIA.	Prague.	Ambassador Second Secretary	Dharma Vira, I.C.S. K. L. Dalal	22, Thunovska, Prague III.
EGYPT.	Cairo.	Ambassador First Secretary Public Relations Officer Second Secretary (Information) Cypher Superintendent First Secretary (Commercial)	Nawab Ali Yavar Jung (Also Minister to Lebanon, Jordan, Syria and Libya) R. G. Rajwade K. B. Tandon P. M. George P. E. Peachey P. Ratnam.	No. 29, Sharia Hassan Pasha (Flat 7), Zamalak, P. O. Box No. 718, Cairo.
ETHIOPIA	Addis Ababa	Ambassador	H. K. Maj Gen Hiralal Atal.	P.O. 529, Addis Ababa
FRANCE.	Paris.	Ambassador Counsellor First Secretary Military Attache First Secretary (Commercial) Information Officer Third Secretary Registrar	Wing Commander Sardar H. S. Malik (Also Minister to Norway). Y. K. Puri A. G. Meneses. Brig. P. L. Chopra S. G. Ramachandran, I.F.S. S. D. Kalelkar Kumari C. B. Muthamma. K. U. Menon	15, Rue Alfred Dehodeneq, Paris.
GERMANY (West).	Bonn	Ambassador First Secretary First Secretary Information Officer Registrar Commercial Counsellor Second Secretary Second Secretary	S. Dutt* (Also Head of the Indian Military Mission, Berlin). C. J. Stracey. K. P. Lukose Dr. G. K. Mookerji. G. C. Everard. B. P. Adarkar. L. N. Ray. N. B. Menon	262, Koblenzstrasse, Bonn.*
INDONESIA.	Berlin.			
	Djakarta.	Ambassador First Secretary Military Attache First Secretary (Commercial) Press Attache Vice-Consul	B. F. H. B. Tyabji. K. D. Bhasin. Col. A. K. Mitra. S. Krishnamurthi. R. N. Gupta. Narinder Nath.	P. Box No. 178, 44 Kebon Sirih, Djakarta.

* Now acting as Secretary, Commonwealth Affairs, in the Ministry of External Affairs, New Delhi, in the place of Mr. M. J. Dossal.

Country.	Station	Designation.	Name	Address.
IRAN.	Teheran.	Ambassador First Secretary Military Attache Second Secretary Press Attache Second Secretary (Commercial) (designate) Registrar Ambassador	Dr. Tara Chand. J. K. Ganju. Col. J. T. Sataravala. D. M. Jejurikar. Nazir Husain. M. K. Roy. V. P. Mithal B. G. Kher (Also High Com- missioner to U.K.).	Avenue Shah Raza, Teheran.
IRELAND.	Dublin.	Ambassador	B. R. Sen (Also Minister to Yugoslavia).	Dublin
ITALY.	Rome.	Ambassador	S. S. Bajpai U. S. Bajpai	Via Francesco Denze, 36, Rome.
JAPAN.	Tokyo.	Commercial Counsellor First Secretary Ambassador	Dr. M. A. Raut Dr. Mont Moulik A. S. Sharma Brig. L. P. Sen. Rambir Singh K. R. Narayanan. H. J. D'Penha. P. A. Menon (Also Ambassador to Belgium).	Naigai Building, 5th floor, No. 13-20 Chome, Marunouchi, Chiyodaku, Tokyo.
LUXEMBURG.	Luxemburg	First Secretary (Information) First Secretary (Commercial) Military Attache Second Secretary Second Secretary (Vice-Consul) Information Officer Minister	B. K. Gokhale A. S. Mehta. Col. M. S. Chinwan G. R. Joshi	Kathmandu
NEPAL.	Kathmandu.	Ambassador First Secretary Military Attache Vice-Consul-cum-Treasury Offi- cer. Attache Third Secretary (Information) Third Secretary (Commercial) Third Secretary Third Secretary Ambassador	Dewan Kewal Krishna S. N. Tripathi P. N. Ojha C. B. R. Sharma B. C. Goswami B. N. Chakravarty. S. Sinha Narendra Singh Jagnohan Mahajan H. S. Malik (Also Ambassador to France).	Buitenrustweg 2, The Hague.
NETHERLANDS	The Hague	First Secretary Second Secretary Assistant Information Officer Minister	A. D. Gundevia (Also Minister to Austria and the Vatican) J. S. Mehta K. R. P. Singh Gurbachan Singh	59, Thurstrasse.
NORWAY	Berne	Ambassador	P. D. Taval. S. Krishna-swamy. C. S. Jha.	37, Thyathai Road, Bangkok.
SWITZERLAND	Berne	First Secretary Second Secretary Charge d'Affaires	P. D. Taval. S. Krishna-swamy. C. S. Jha.	No. 44, Kizilirmak Sokak, Koc- tepe, Ankara.
THAILAND	Bangkok	Food Attache Vice-Consul Ambassador	B. K. Massand S. K. Chowdhury Lt.-Col. R. K. Tuli S. N. Chopra. K. G. Nair. G. L. Mehta (Also Minister to Mexico) S. N. Haksar G. R. Kamat J. C. Kakar S. Krishnamurti, I & S. Brig. P. C. Gupta. W. Cdr. T. G. Kelly. Prithi Singh. Major B. B. Mathur. H. C. Rai Vacant Bal Kishan. Dharam Deva J. Lopes P. L. Bhandari. T. Pande M. S. Sundaram. R. K. Kapur.	2107, Massachusetts Avenue, N.W., Washington-S.D.C.
TURKEY.	Ankara.	First Secretary Second Secretary Military Attache Press Attache Registrar Ambassador	G. L. Mehta (Also Minister to Mexico) S. N. Haksar G. R. Kamat J. C. Kakar S. Krishnamurti, I & S. Brig. P. C. Gupta. W. Cdr. T. G. Kelly. Prithi Singh. Major B. B. Mathur. H. C. Rai Vacant Bal Kishan. Dharam Deva J. Lopes P. L. Bhandari. T. Pande M. S. Sundaram. R. K. Kapur.	
UNITED STATES OF AMERICA	Washington.	Minister Financial Adviser First Secretary First Secretary (Commercial) Military and Naval Attache Air Attache Second Secretary Assistant Military Attache Assistant Air Attache Third Secretary Under Secretary Registrar Asstt. Accounts Officer Public Relations Officer Information Officer Secretary (Education Dept.) Dy. Secretary (Education Dept.) Dy. Secretary (Education Dept.) India Supply Mission Director Dy. Director Dy. Director Dy. Director Dy. Director Administrative Officer Asstt. Director Asstt. Director Shipping Liaison Officer Accounts Officer	D. K. Hingorani. H. A. Sulan. A. R. Khosla. J. Maneksha. M. B. Shankar. B. S. Kalkat. C. M. Bhimaya. B. K. Palit. K. K. Nag K. V. Kamath Satish Chandra.	

Country.	Station.	Designation.	Name.	Address.
UNITED STATES OF AMERICA—(contd)	New York.	Director, India Information Services.	O. Rahman.	
U.S.S.R.	Moscow.	Information Officer	G. H. Jansen.	No. 6 & 8, Ulitsa Obukha, Moscow.
		Ambassador	K. P. S. Menon.	
		First Secretary	R. D. Sathe.	
		Second Secretary	P. N. Kaul.	
YUGOSLAVIA.		Minister	B. R. Sen (Also Ambassador to Italy).	
HIGH COMMISSIONS				
AUSTRALIA.	Canberra.	High Commissioner	General K. M. Cariappa (Also High Commissioner to New Zealand).	Civic Centre, Canberra.
		First Secretary	P. Ratnam.	
		Registrar	D. J. Sen Gupta.	
	Sydney.	First Secretary	Muni Lal.	Prudential Bldg., 39-49, Martin Place, Sydney.
		Trade Commissioner	S. V. Patel, I.F.S.	
CANADA.	Ottawa.	High Commissioner	R. R. Saksena.	200, McLaren Street, Ottawa, Ontario.
		First Secretary	S. Gupta.	
		Information Officer	P. N. Agarwala.	
		Commercial Attache	R. Axel Khan.	
CEYLON.	Colombo.	Registrar	R. S. Chavan.	Gaffoor Building, P. O. Box No. 47, Fort, Colombo.
		High Commissioner	C. C. Desai.	
		First Secretary	V. S. Chetty.	
		First Secretary (Commercial)	K. R. F. Khilnani, I.F.S.	
		Second Secretary	K. S. Pillai.	
		Second Secretary	Kumari K. Rukmini.	
		Second Secretary (Information)	M. R. Sivaramakrishnan.	
NEW ZEALAND.	Wellington.	High Commissioner	General K. M. Cariappa (Also High Commissioner to Australia).	Wellington.
PAKISTAN.	Karachi.	First Secretary (Commercial)	B. Sanyal.	Valika Mahal, Jahangir Sethna Road, New Town, Karachi 5.
		High Commissioner	Dr. M. S. Mehta.	
		Dy. High Commissioner	J. K. Atal.	
		Military Adviser	Col. M. M. Badshah.	
		First Secretary	M. A. Vellodi.	
		Second Secretary	K. R. P. Singh.	
		Air Adviser	Sq. Ldr. B. B. Marathey.	
		Third Secretary	A. K. Ray.	
		Attache (Passport and Visa)	K. I. Bindra.	
		Attache	R. R. Mehta.	
		Information Officer	G. V. Shukla.	
		Registrar	V. F. Fernandez.	
		First Secretary (Commercial)	S. Than., I.F.S.	
		Commercial Attache	P. Vaidyanathan.	
		Director (Food Section)	T. M. Gurubaxaul.	
		Secretary (Trade Section)	A. S. Vaswani.	
		Registrar (Trade Section)	T. S. Menon.	
	Lahore.	Deputy High Commissioner	N. V. Rao.	144, Upper Mall, Lahore.
		Secretary	K. L. Khanna.	
		Attache	L. C. Lal.	
		Attache	M. B. C. Rajan.	
		Press Attache	M. C. Jugran.	
		Registrar	K. V. Rajagopalan.	
	Dacca.	Deputy High Commissioner	B. K. Acharya.	Baitul Aman, Mymensingh Road P. O. Ramna, Dacca.
		Secretary	S. M. Bhattacharji.	
		Chief Visa Officer	A. S. Grewal.	
		First Secretary	S. Bhattacharji.	
		First Secretary (Commercial)	P. Das Gupta.	
		Attache	K. P. Sen.	
		Attache	A. N. Subrahmanian.	
		Registrar	T. B. Prabhu.	
SOUTH AFRICA.	Johannesburg.	High Commissioner	Vacant.	Gokson House No. 52, Commissioner Street, P. Box No. 8327, Johannesburg.
UNITED KINGDOM.	London.	Assistant Secretary	J. L. Malhaura.	India House, Aldwych, London, W.C.2.
		High Commissioner	B. G. Kher * (Also Ambassador to Ireland).	
		Commerce and Industries Adviser	(Vacant).	
		Minister	P. V. R. Rao, I.C.S. (Services lent to the Sudanese Govt.).	
		Principal Private Secretary and Political Liaison Officer	D. N. Chatterjee, I.F.S.	
		Private Secretary	G. K. Rao.	
		Legal Adviser	(Vacant).	
		Financial Adviser	A. K. Baksi.	
		Medical Adviser	Lt.-Col. C. L. Paarlha.	
		Military Adviser	Brig. Partap Narain.	
		Naval Adviser	Capt. G. S. Kapoor.	
		Air Adviser	Gr/Capt. K. L. Sondhi.	
		Communications Adviser	M. A. J. Vasnaik.	
		Scientific Adviser and Scientific Liaison Officer	Dr. S. Krishna.	

* On leave at the time of going to press. Acting High Commissioner: M. J. Desai, I.C.S. (Secretary, Commonwealth Affairs, in the Ministry of External Affairs).

Country.	Station.	Designation.	Name.	Address.	
UNITED KINGDOM —(contd.)	London.	Adviser on special duty ..	H. H. Maharao Madan Singh of Kutch (Personal rank of Minister).		
		Dy. Financial Adviser ..	C. K. Nair.		
		Railway Adviser ..	R. H. G. da Cunha de Costa.		
		<i>Accounts Department</i>			
		Chief Accounting Officer ..	H. Wade		
		Deputy Chief Accounting Officer ..	A. M. Menon.		
		Assistant Chief Accounting Officer ..	K. T. N. Menon.		
		Assistant Chief Accounting Officer ..	M. L. Bhargava.		
		<i>Commerce Department</i>			
		Minister (Commercial) ..	L. R. S. Singh, I.C.S. (with rank of Minister).		
		First Secretary (Commercial) ..	J. A. Shah, I.F.S.		
		First Secretary (Commercial) ..	Dr. T. G. Menon.		
		Industrial Adviser ..	W. B. Moucur.		
		<i>Consular Department</i>			
		Secretary ..	(Vacant).		
		Deputy Secretary ..	P. D. Runganadhan.		
		<i>Education Department</i>			
		Secretary ..	Dr. A. M. D'Rozario.		
		Deputy Secretary ..	R. M. J. Knaster		
		<i>Establishment Department</i>			
		Secretary ..	T. N. Menon.		
		<i>External Department</i>			
		Counsellor ..	S. N. Haksar, I.F.S.		
		Deputy Secretary ..	W. B. England.		
		<i>General Department</i>			
		Secretary ..	S. N. Dutt.		
		<i>Legal Department</i>			
		Assistant Solicitor and Assistant Legal Adviser ..	B. N. Banerjee.		
		<i>Public Relations Department</i>			
		Public Relations Officer ..	S. K. Shastri.		
		Information Officer ..	R. C. Asthana.		
		Assistant Information Officer ..	O. N. Sheopuri.		
		Assistant Information Officer ..	K. N. S. Sarma.		
		<i>Stores Department</i>			
		Director-General ..	K. B. Rao.		
		Deputy Director-General ..	A. N. Seal.		
Deputy Director-General ..	S. K. Mitra.				
Director of Purchase ..	T. M. Duraiswami.				
Officer on Special Duty ..	J. Munro.				
Director of Inspection ..	K. Ray.				
Additional Director of Inspection ..	K. K. Nasta.				
LEGATIONS					
AUSTRIA.	Berne.	Minister.	Y. D. Gundevia (Also Ambassador to Switzerland).	Berne.	
IRAQ.	Baghdad.	Envoy Extraordinary and Minister Plenipotentiary ..	H. E. Khub Chand.	8/8, Saif-ul-Deen-el Hilly Street, Waziriya, Baghdad.	
		Second Secretary ..	Mahboob Ahmed.		
		Vice-Consul ..	R. C. Kalra.		
		Second Secretary (Commercial) ..	Dr. Jagdish Chand.		
		Press Attache ..	Barkat Ahmed.		
PHILIPPINES.	Manila.	Envoy Extraordinary and Minister Plenipotentiary ..	M. R. A. Baig.	Manila.	
SWEDEN.	Stockholm.	Envoy Extraordinary and Minister Plenipotentiary ..	A. C. N. Namliar (Also Minister to Denmark and Finland).	Strandvagen, 47IV, Stockholm.	
		First Secretary ..	M. S. Sait.		
		Second Secretary ..	L. N. Ray.		
SYRIA.	Damascus.	Minister ..	J. A. Thivy.	Shara-l-Aaskim, Damascus	
THE VATICAN.	Berne.	First Secretary ..	A. K. Dar.	Berne.	
		Minister.	Y. D. Gundevia (Also Ambassador to Switzerland)		
SPECIAL MISSIONS					
MALAYA.	Singapore.	Representative of the Govt. of India.	M. Gopala Menon.	India House, 31 Grang Road, P. Box No 836, Singapore.	
		First Secretary (Commercial) ..	J. Coelho.		
		Second Secretary ..	M. M. Khurana.		
		Second Secretary (Information) ..	P. K. Guha.		
		Attache (Consular) ..	P. Somasekharan.		

Country.	Station.	Designation.	Name.	Address.
TIBET, BHUTAN AND SIKKIM.	Sikkim, Gangtok.	Political Officer Civil Surgeon Tibet Liaison Officer	B. K. Kapur. Dr. S. L. Chopra. Dewan Shly Saran Lal.	Office of the Political Officer In Sikkim, Gangtok via Siliguri (West Bengal).
COMMISSIONS				
ADEN.	Aden.	Commissioner	A. S. Dhawan.	Aden.
BRITISH EAST AFRICA.	Nairobi.	Commissioner (acting)	R. K. Tandon (Also Commissioner to Southern Rhodesia, Northern Rhodesia and Nyasaland).	Nairobi.
	Mombasa (Kenya).	First Secretary Information Officer Registrar Trade Commissioner	M. A. Rahman. K. L. Punjabi. M. Majumdar. A. B. Thadani.	Africa House, Kallindini Road, P. Box No. 814, Mombasa.
Br. WEST AFRICA.	Accra.	Commissioner	Raja Rameshwar Rao of Wana- paraty.	Accra, Gold Coast.
BRITISH WEST INDIES (Including British Guiana).	Port of Spain.	Commissioner	B. N. Nanda.	P. Box No. 530, Port of Spain, Port of Trinidad.
FIJI ISLANDS.	Suva.	Second Secretary Commissioner	R. Jalpal. Dr. N. V. Rajkumar.	Vishal Bharteeva Buildings, Waimanu Road, Suva.
HONGKONG.	Hongkong.	Assistant Registrar Commissioner	G. S. Banavalikar. P. R. S. Mann.	Dina House, Duddel Street, Hongkong.
MAURITIUS.	Port Louis.	Commissioner	A. M. Sahay.	Champ-de-Mars, Port Louis.
CONSULATES-GENERAL AND CONSULATES				
AFGHANISTAN.	Jalalabad.	Vice-Consul	D. Sareen.	Vice-Consulate of India, Jalalabad.
AUSTRIA.	Kandahar.	Vice-Consul	K. L. S. Pandit.	Kandahar.
	Vienna.	Vice-Consul	Dr. K. V. Ramaswamy.	Legation of India, 17, Geyergasse, Vienna, XVIII.
CHINA.	Shanghai.	Consul-General	D. Murugesan.	219/12 The Bund, Shanghai, via Hongkong.
	Kashgar.	Consul	Vacant.	
DENMARK.	Alexandria.	Consul-General (Honorary)	Victor B. Straud.	Straudvagen, 47IV, Stockholm.
EGYPT.	Nova Goa.	Consul-General	Raghunath Sinha, I F S.	Alexandria.
GOA.		Consul-General	V. H. Coelho.	Rua Afonso de Albuquerque, Cidade de Goa.
INDO-CHINA.	Saigon.	Consul-General	Vacant.	213 Rue Catinat, Saigon.
		Vice-Consul	Vacant.	
INDONESIA.	Medan.	Consul	Jagat Singh	48, Dajalan Djokja, Medan.
IRAN.	Mashed.	Consul-General	Prof. Abdul Majid Khan	Khiyaban, Jahanbani, Mashed.
	Zahidan.	Vice-Consul	Vacant.	Zahidan.
PONDICHERRY.	Pondicherry.	Consul-General	Kewal Singh Chondhry.	7, Rue des Capacins, Pondicherry.
		Vice-Consul	S. J. Willred.	
		Assistant Press Attache	P. J. Rao.	
SAUDI ARABIA.	Jedda.		Mustafa Kamil Kidwai.	Jedda.
SIKKIM.	Lhasa.	Consul-General	A. K. Sen.	Lhasa, P. O. Gyantse, Tibet.
SWEDEN.	Stockholm	Consul-General (Hony)	Victor B. Strand.	Straudvagen, 47IV, Stockholm.
SWITZERLAND.	Geneva	Consul-General	S. Sen.	
UNITED STATES OF AMERICA.	New York.	Consul-General	A. S. Lall.	3 East, 64th Street, New York.
		Vice-Consul	R. Bhandari.	
		Registrar	Kumer Singh.	
	San Francisco.	Consul-General	M. A. Husain.	
		Registrar	Maharaj Krishen.	417, Montgomery Street, San Francisco.
AGENCIES				
CEYLON.	Kandy.	Agent (with rank of Second Secretary)	P. S. Menon.	Perandeniya Road, Kandy.
MALAYA.	Kuala Lumpur.	Agent (Actg.)	T. V. Ramakrishna Rao.	P. Box No. 59, Oriental Bldg., Kuala Lumpur.
SIKKIM.	Gartok.	Trade Agent	Lakshman Singh.	C/o The P. O. in Sikkim, Gangtok.
	Gyantse.	Trade Agent	Pemba Tsering.	Gyantse (Tibet) via Siliguri, West Bengal.
	Yatung.	Trade Agent	S. L. Chibber.	Indian Trade Agency, Yatung, (Tibet).
UNITED NATIONS				
(New India House, 3-East 64th Street, New York).				
Permanent Representative, R. Dayal.				
First Secretary, Avtar Singh.				
First Secretary, Dr. B. Rajan.				
First Secretary, P. K. Banerjee.				
Cypher Supdt., K. A. Extrasa.				

INDIAN TRADE REPRESENTATIVES ABROAD

Note:—In those countries where there are no trade representatives trade interests are looked after by the country's Diplomatic Missions.

Designation and address	Tel. Address	Sphere of activities
L. R. S. SINGH.—Commercial Adviser to the High Commissioner for India in the U.K., "India House," Aldwych, London, W.C. 2.	HICOMIND London.	United Kingdom and Eire.
S. G. RAMACHANDRAN.—The Commercial Secretary to the Embassy of India, 15, Rue Alfred, Dehodeneq, Paris XVI emc.	INDATRACOM Paris.	France and Norway.
VACANT.—The Commercial Secretary to the Legation of India, 18, Jungfraustrasse, Berne.	INDELEGATION Berne.	Switzerland.
S. S. BAJPAI.—The Commercial Counsellor to the Embassy of India, via Lovanio, 24, Rome (Italy).	INDEMBASSY Rome.	Italy, Greece and Yugoslavia.
B. P. ADARKAR.—The Commercial Counsellor to the Legation of India in Germany, 202, Koblenzer Strasse, Bonn.	INDELEGATION Bonn.	Germany.
K. V. RAMANWAMY.—The Indian Vice-Consul Cum Attache in Austria, Legation of India, 17, Geyergasse, Vienna, XVIII.	INDELEGATION Vienna.	Austria.
V. C. VIJAYA RAGHAVAN.—The Commercial Second Secretary to the Embassy of India, Avenida Roque Saenz Pena 628, Buenos Aires (Argentina).	INDEMBASSY Buenos Aires.	Argentina, Chile, Bolivia, Paraguay and Uruguay.
A. B. THADANI.—The Indian Government Trade Commissioner, "Africa House," Kilindini Road, Post Box No. 614, Mombasa, Kenya.	INDOCOM Mombasa.	East Africa (Kenya, Uganda and Tanganyika), Zanzibar, British and Italian Somaliland, Northern and Southern Rhodesia and Nyasaland.
RAGHUNATH SINHA.—Commercial Secretary to the Embassy of India in Egypt and Indian Government Trade Commissioner, Al Basalr Building, No. 5, Rue Adib Bey, Issac, Avenue de la Reine Nazli, Alexandria (Egypt).	INDIACOM Alexandria.	Egypt, Sudan, Syria, Lebanon, Cyprus, Jordan and Eritrea.
S. V. PATEL.—The Indian Government Trade Commissioner, Prudential Building, 39-49, Martin Place, Sydney.	AUSTRIND Sydney.	Australia.
B. SANYAL.—The Indian Government Trade Commissioner in New Zealand, Windsor Building, 49, Willis Street, Wellington.	TRACOMIND Wellington.	New Zealand.
DR. A. S. SHARMA.—The First Secretary to the Indian Liaison Mission, Empire House, Naikai Building, Marunouchi, Tokyo.	INDIA Tokyo.	Japan.
K. R. F. KULNANI.—The Secretary (Commercial) to the High Commissioner for India in Ceylon, Fort, Colombo.	TRADIND Colombo.	Ceylon.
H. N. VISHAKAR.—The Commercial Secretary to the Embassy of India, Randeria Buildings, Phayre Street, Rangoon.	INDEMBASSY Rangoon.	Burma.
S. THAN.—The Indian Government Commercial Secretary, Chartered Bank Chambers, 'Valika Mahal,' N. J. Setluna Road, New Town, Karachi 5.	INTRACOM Karachi.	Pakistan.
P. DAS GUPTA.—The Commercial Secretary to the High Commissioner, 8, Gopikrishna Lane, P.O. War, Dacca.	GOODWILL Dacca.	East Pakistan.
J. COLEMAN.—The Indian Government Commercial Secretary, India House, Singapore (Malaya).	INDITRACOM Singapore.	Malaya and Hongkong.
S. KRISHNASWAMY.—The Vice-Consul to the Embassy of India, Bangkok.	INDEMBASSY Bangkok.	Thailand.
P. R. S. MANI.—Charge d'Affaires, Legation of India, 509-511, Burke Building, Escolta, Manila.	CONGENIND Manila.	Philippines.
Vacant.—The First Secretary (Commercial) to the Embassy of India, P.B. No. 178, Koningsplein Noord, Djakarta.	INDEMBASSY Djakarta.	United States of Indonesia.
A. S. DHAWAN.—The Commissioner of the Government of India in Aden.	COMIND Aden.	Aden.
M. K. ROY.—The Commercial Secretary to the Embassy of India, Teheran.	INDEMBASSY Teheran.	Iran.
S. KRISHNAMURTY.—The Commercial Secretary to the Embassy of India, Washington	INDEMBASSY Washington.	United States of America.

EMBASSIES IN INDIA

Country.	Station.	Designation.	Name.	Address.
AFGHANISTAN.	New Delhi.	Ambassador Extraordinary and Plenipotentiary. First Secretary Second Secretary Second Secretary Economic Attache Press Attache Attache Ambassador Attache	His Excellency Sardar Abdul Hossain Aziz. Abdul Hamid Makhmoor. Abdul Azim. Faqir Mohammad. M. R. Younossi. Abul Raouf Benawa. M. Nabi Azimi. His Excellency Rene Lawson. Attilio Costanzo.	23, Aurangzeb Road, New Delhi.
ARGENTINA.	New Delhi.	Ambassador	His Excellency S. Halot.	New Delhi
BELGIUM.	New Delhi.	Ambassador Extraordinary and Plenipotentiary. Counsellor Minister Counsellor Charge d'Affaires	Louis de San. H. E. Senhor Frederico. de Chermont Lisboa.	24, Hardinge Avenue, New Delhi.
BRAZIL.	New Delhi.	Ambassador Extraordinary and Plenipotentiary. First Secretary	His Excellency Maha Thray Sithu U Kyin. U Maung Maung Soe.	8, Aurangzeb Road, New Delhi.
BURMA.	New Delhi.	Ambassador Extraordinary and Plenipotentiary. Counsellor Counsellor for Cultural Affairs Counsellor for Commercial Affairs Military Attache Asst. Military Attache First Secretary Second Secretary Second Secretary Second Secretary Third Secretary Third Secretary Attache	His Excellency Gen. Yuan Chung-hsien. Shen Chien. Kang Mao-chao. Wang Chao-hsun. Col. Chu Kai-yin. Lt.-Col. Kan Mai. So-wan Pitt Fang Chieh-hsin. Ling Pei-hsin. Pei Mo-nung Hu Ting-i. Chiu Wen-min. Madame Chang Su-wen	Curzon Road, New Delhi.
CHINA.	New Delhi.	Ambassador Extraordinary and Plenipotentiary. Third Secretary Third Secretary Deputy Commercial Attache Ambassador Extraordinary and Plenipotentiary. Ambassador	His Excellency Gen. Yuan Chung-hsien. J. Antos Z. Strnadcl. V. Vetrovec. His Excellency Ismail Kamel Bey His Excellency Raf Imru Halle Sellas.	Jind House, Lytton Road, New Delhi.
CZECHOSLOVAKIA.	New Delhi.	Ambassador Extraordinary and Plenipotentiary. Third Secretary Third Secretary Deputy Commercial Attache Ambassador Extraordinary and Plenipotentiary. Ambassador	H. E. Dr. Ladislav Durdil. J. Antos Z. Strnadcl. V. Vetrovec. His Excellency Ismail Kamel Bey His Excellency Raf Imru Halle Sellas.	H-35, Connaught Circus, New Delhi.
EGYPT.	New Delhi.	Ambassador Extraordinary and Plenipotentiary. Ambassador	His Excellency Ismail Kamel Bey His Excellency Raf Imru Halle Sellas.	Maiden's Hotel, Delhi.
ETHIOPIA.	New Delhi.	Ambassador	His Excellency Raf Imru Halle Sellas.	Ethiopian Embassy, New Delhi
FRANCE.	New Delhi.	Ambassador Extraordinary and Plenipotentiary. Counsellor Counsellor (Commercial) Military Attache First Secretary Second Secretary Second Secretary Cultural Adviser Attache Ambassador Extraordinary and Plenipotentiary. Counsellor Minister in charge of Economic Affairs Attache Attache Information Officer Chief Chancellor Ambassador Extraordinary and Plenipotentiary. Counsellor Third Secretary Ambassador Extraordinary and Plenipotentiary. Second Secretary Third Secretary Chancellor Private Secretary Ambassador Extraordinary and Plenipotentiary. Counsellor Secretary Commercial Secretary Chancellor Ambassador Extraordinary and Plenipotentiary. Counsellor First Secretary Second Secretary Second Secretary (Commercial) Third Secretary Third Secretary Assistant Attache	Count Stanislas Ostrarog. Claude de Marolles. Guy Chaumet. Col. Maurice Raymond. Henri Costilhes. Marcel Barthelemy. Henri Dumont. Claude Journot. Jean Robert. His Excellency L. N. Palar. Dr. F. W. M. Tiwon. Dr. C. H. V. de Villeneuve. Isroenadi. Imam Soetarjo. Kapto Soenoto. Soehendi Soemawinata. His Excellency Ali Asghar Hekmat. K. Davlatshahi M. H. Pouyani. His Excellency Mohammed Salim Al-Badi. Mohammad Ismail Ramadhan. Izzat Al-Khedairy. Salah-ud-Din Hamid. Ghulam Nagahband. His Excellency Dr. Alberto Berio. Dr. G. B. Toffolo. Dr. Remo Paolini. Dr. Marcello Serafini. Signor Vincenzo Buonomo. His Excellency Tsutomu Nishiyama. Ichiro Kawasaki. Noboru Takasugi. Shiro Amano. Kono Hirata. Takumi Hosaki. Tadamasa Tani. Tatsuo Kawachi.	2, Aurangzeb Road, New Delhi.
INDONESIA.	New Delhi.	Ambassador Extraordinary and Plenipotentiary. Counsellor Minister in charge of Economic Affairs Attache Attache Information Officer Chief Chancellor Ambassador Extraordinary and Plenipotentiary. Counsellor Third Secretary Ambassador Extraordinary and Plenipotentiary. Second Secretary Third Secretary Chancellor Private Secretary Ambassador Extraordinary and Plenipotentiary. Counsellor Secretary Commercial Secretary Chancellor Ambassador Extraordinary and Plenipotentiary. Counsellor First Secretary Second Secretary Second Secretary (Commercial) Third Secretary Third Secretary Assistant Attache	His Excellency L. N. Palar. Dr. F. W. M. Tiwon. Dr. C. H. V. de Villeneuve. Isroenadi. Imam Soetarjo. Kapto Soenoto. Soehendi Soemawinata. His Excellency Ali Asghar Hekmat. K. Davlatshahi M. H. Pouyani. His Excellency Mohammed Salim Al-Badi. Mohammad Ismail Ramadhan. Izzat Al-Khedairy. Salah-ud-Din Hamid. Ghulam Nagahband. His Excellency Dr. Alberto Berio. Dr. G. B. Toffolo. Dr. Remo Paolini. Dr. Marcello Serafini. Signor Vincenzo Buonomo. His Excellency Tsutomu Nishiyama. Ichiro Kawasaki. Noboru Takasugi. Shiro Amano. Kono Hirata. Takumi Hosaki. Tadamasa Tani. Tatsuo Kawachi.	14, Aurangzeb Road, New Delhi.
IRAN.	New Delhi.	Ambassador Extraordinary and Plenipotentiary. Counsellor Third Secretary Ambassador Extraordinary and Plenipotentiary. Second Secretary Third Secretary Chancellor Private Secretary Ambassador Extraordinary and Plenipotentiary. Counsellor Secretary Commercial Secretary Chancellor Ambassador Extraordinary and Plenipotentiary. Counsellor First Secretary Second Secretary Second Secretary (Commercial) Third Secretary Third Secretary Assistant Attache	His Excellency Ali Asghar Hekmat. K. Davlatshahi M. H. Pouyani. His Excellency Mohammed Salim Al-Badi. Mohammad Ismail Ramadhan. Izzat Al-Khedairy. Salah-ud-Din Hamid. Ghulam Nagahband. His Excellency Dr. Alberto Berio. Dr. G. B. Toffolo. Dr. Remo Paolini. Dr. Marcello Serafini. Signor Vincenzo Buonomo. His Excellency Tsutomu Nishiyama. Ichiro Kawasaki. Noboru Takasugi. Shiro Amano. Kono Hirata. Takumi Hosaki. Tadamasa Tani. Tatsuo Kawachi.	5, Barakhamba Road, New Delhi.
IRAQ.	New Delhi.	Ambassador Extraordinary and Plenipotentiary. Second Secretary Third Secretary Chancellor Private Secretary Ambassador Extraordinary and Plenipotentiary. Counsellor Secretary Commercial Secretary Chancellor Ambassador Extraordinary and Plenipotentiary. Counsellor First Secretary Second Secretary Second Secretary (Commercial) Third Secretary Third Secretary Assistant Attache	His Excellency Mohammed Salim Al-Badi. Mohammad Ismail Ramadhan. Izzat Al-Khedairy. Salah-ud-Din Hamid. Ghulam Nagahband. His Excellency Dr. Alberto Berio. Dr. G. B. Toffolo. Dr. Remo Paolini. Dr. Marcello Serafini. Signor Vincenzo Buonomo. His Excellency Tsutomu Nishiyama. Ichiro Kawasaki. Noboru Takasugi. Shiro Amano. Kono Hirata. Takumi Hosaki. Tadamasa Tani. Tatsuo Kawachi.	21, Prithviraj Road, New Delhi (Tel. 40088).
ITALY.	New Delhi.	Ambassador Extraordinary and Plenipotentiary. Counsellor Secretary Commercial Secretary Chancellor Ambassador Extraordinary and Plenipotentiary. Counsellor First Secretary Second Secretary Second Secretary (Commercial) Third Secretary Third Secretary Assistant Attache	His Excellency Dr. Alberto Berio. Dr. G. B. Toffolo. Dr. Remo Paolini. Dr. Marcello Serafini. Signor Vincenzo Buonomo. His Excellency Tsutomu Nishiyama. Ichiro Kawasaki. Noboru Takasugi. Shiro Amano. Kono Hirata. Takumi Hosaki. Tadamasa Tani. Tatsuo Kawachi.	17, York Road, New Delhi.
JAPAN.	New Delhi.	Ambassador Extraordinary and Plenipotentiary. Counsellor First Secretary Second Secretary Second Secretary (Commercial) Third Secretary Third Secretary Assistant Attache	His Excellency Tsutomu Nishiyama. Ichiro Kawasaki. Noboru Takasugi. Shiro Amano. Kono Hirata. Takumi Hosaki. Tadamasa Tani. Tatsuo Kawachi.	4, Circular Road, Diplomatic Enclave, New Delhi.

Country.	Station.	Designation.	Name.	Address.
NEPAL.	New Delhi.	Ambassador	His Excellency Mahendra Bickram Shah.	Barakhamba Road, New Delhi.
		First Secretary	J. N. Singha.	
		Military Attache	Col. U. B. Basnyat.	
		Third Secretary	Subba G. M. Singh.	
NETHERLANDS.	New Delhi.	Ambassador Extraordinary and Plenipotentiary.	His Excellency Baron F. C. A. Van Pallandt.	4, Batendone Road, New Delhi.
		Counsellor	H. Bos.	
		Attache	C. J. M. Kramers.	
SWITZERLAND.	New Delhi.	Minister	His Excellency Dr. M. Graessli.	Connaught Place, Radial Road No. 1, New Delhi.
THAILAND.	New Delhi.	Ambassador Extraordinary and Plenipotentiary	His Excellency Luang Bhadravadi	15, Aurangzeb Road, New Delhi.
		Second Secretary	Pun Chongprasoe.	
		Third Secretary	Phun Phanko.	
		Attache	Somboon Rochanakorn.	
		Attache	Sontorn Gongakdi.	
		Attache	Asa Boonyapratuang.	
		Air Attache	Group-Capt. Pravat Jirastity.	
		Naval Attache	Captain Uab Sundarashina.	
TURKEY.	New Delhi.	Ambassador Extraordinary and Plenipotentiary.	H. E. Numan Tahir Seymen.	Hotel Ambassador, New Delhi
		Counsellor	Hicabi Kkinci.	
		Second Secretary	Ahmet A. Akyamac.	
		Commercial Attache	Adil K. Guleur.	
UNION OF SOVIET SOCIALIST REPUBLICS.	New Delhi.	Ambassador Extraordinary and Plenipotentiary.	His Excellency Mikhail Alexeevich Menshikov.	Travancore House, Curzon Road, New Delhi.
		Minister-Counsellor	Alexei D. Shilborin.	
		Counsellor	German I. Ashurov.	
		Commercial Counsellor	G. P. Veliky.	
		First Secretary	V. P. Stepanov.	
		First Secretary	B. G. Lopetanko.	
		First Secretary	S. N. Shundenko.	
		First Secretary	B. N. Vilkov.	
		Second Secretary	B. E. Kirnasovski.	
		Second Secretary	A. J. Korolev.	
		Second Secretary	I. M. Pllipenko.	
		Second Secretary	V. I. Gidasov.	
		Second Secretary	N. S. Orlov.	
		Attache	I. Y. Tarankov.	
		Attache	G. S. Karpov.	
		Attache	A. D. Kondakov.	
		Attache	A. Y. Skotulkov.	
		Attache	P. A. Timchenko.	
UNITED STATES OF AMERICA.	New Delhi.	Ambassador Extraordinary and Plenipotentiary.	His Excellency George V. Allen.	Bahawalpur House, New Delhi. (Tel. 43041-43).
		Minister-Counsellor	Sheldon T. Mills.	
		Minister-Director of U. S. Technical Co-operation Administration.	Clifford H. Willson.	
		Counsellor (Agricultural)	Clifford C. Taylor.	
		Counsellor (Political)	T. Elliot Well.	
		Counsellor for Economic Affairs	John A. Loftus.	
		Counsellor (Public Affairs)	Teg C. Grondhal.	
		Army Attache	Col. Harold J. Pearson.	
		Air Attache	Col. Mercer P. Davis.	
		Naval Attache and Naval Attache for Air.	Captain Hugh R. Awtrey, U.S.N.	
		First Secretary	Richard S. Leach.	
		Attache	Gaze E. Lukas.	
		Minerals Attache	Andrew V. Corry.	
		Attache	Lewis M. Lind.	
		Labour Attache	Henri Sokolove.	
		Attache	Norvelle H. Sannebeck.	
		First Secretary and Consul	William L. Blue.	
		Attache	Donald M. Ralston.	
		Attache	Edward J. Gaumond.	
		Social Welfare Attache	Evelyn W. Hersey.	
		Attache	Konrad Bekker.	
		Attache	Clifford Manshardt.	
		Attache	George F. Donovan.	
		Attache	Arthur C. Bartlett.	
		Attache	Henry T. Robertson.	
		Attache	Mrs. Emily Krueger.	
		Attache	Mrs. Helen Semmerling.	
		Attache	William J. Handley.	
		Attache	Clarence E. Pike.	
		Attache	Miss Jean Joyce.	
		Attache	Hector J. Baxter.	
		Attache	Mrs. Anna M. Ericksen.	
		Attache	Joseph I. Krene.	
		Attache	Ruth C. Wright.	
		Second Secretary and Consul	J. Wesley Adams.	
		Attache	Conrad J. Thoren.	
		Attache	Joseph Fernandez.	
		Attache and Consul	John N. von der Lieht.	
		Attache	Robert S. Ashford.	

Country.	Station.	Designation.	Name.	Address.
UNITED STATES OF AMERICA —(contd).		Second Secretary & Vice-Consul	Benjamin A. Fleck.	
		Second Secretary & Vice-Consul	Stephen A. J. Comiskey.	
		Second Secretary & Vice-Consul	Morris Dembo.	
		Assistant Army Attache ..	Lt.-Col. John J. Stephens.	
		Assistant Naval Attache & Asstt. Naval Attache for Air.	Lt.-Comdr. Harold W. Schwerdt	
		Assistant Air Attache ..	Major Robert G. Crowder.	
		Assistant Army Attache ..	Major June C. Caton.	
		Assistant Army Attache ..	Capt. John H. Painter.	
		Assistant Air Attache ..	Capt. Alvin L. Wimer.	
		Assistant Air Attache ..	1st Lt. Bobbie L. Donald.	
		Assistant Attache ..	Charles L. Mullin, Jr.	
		Assistant Attache ..	William E. Dwyer.	
		Assistant Attache ..	Robert L. King.	
		Assistant Labour Attache ..	Miss Edith C. Wall.	
		Assistant Attache ..	Miss Marguerite A. Brown.	
		Assistant Attache ..	Jack Masey.	
		Assistant Attache ..	Willis D. Lansford.	
		Assistant Attache ..	Miss Velma M. Woods.	
W. GERMANY.	New Delhi	Assistant Attache ..	Jean A. Curran, Jr.	86, Sunder Nagar, Mathura Road, New Delhi (Tel. 40058).
		Assistant Attache ..	Calvin M. Smyth.	
		Third Secretary & Vice-Consul	Miss Judith Laikin.	
		Ambassador	His Excellency Dr. Ernst Wilhelm Meyer.	
YUGOSLAVIA.	New Delhi.	Counsellor	Dr. Herbert Richter.	13, Sunder Nagar, Mathura Road, New Delhi.
		First Secretary	Dr. Heinrich Roehreke.	
		First Secretary	Dr. Harald Heimsoeth.	
		Commercial Secretary ..	Dr. Wolfgang Kaupisch.	
		Press Attache	Thilo Bode	
		Ambassador	His Excellency Dr. Gofko Nikolis.	

LEGATIONS IN INDIA

Country.	Station.	Designation.	Name.	Address.
AUSTRIA.	New Delhi.	Charge d'Affaires .. .	Albin Lennkh.	2-5, Theatre Communication Building, Connaught Place, New Delhi.
CHILE.	Delhi	Charge d'Affaires and Consul-General.	Miguel Serrano Fernandez.	Swiss Hotel, Delhi.
DENMARK.	New Delhi.	Envoy Extraordinary and Minister Plenipotentiary. Attache Private Secretary ..	His Excellency Harry Emil Toyberg Frandzen. P. Vinther-Pedersen. Miss Marie Ruffert.	1, Humayun Road, New Delhi.
FINLAND.	New Delhi.	Envoy Extraordinary and Minister Plenipotentiary. Secretary of the Legation Commercial Secretary .. Secretary to the Minister Secretary ..	His Excellency Hugo Valvanne. Monsieur H. L. Blomstedt. Olli Vilpponen. Miss Liisa Hagelberg. Miss Ines Kuusisto.	30, Prithviraj Road, New Delhi. 1, Humayun Road, New Delhi.
HOLY SEE.	New Delhi.	Apostolic Internuncio .. First Secretary	The Most Rev. Martin Lucas, S.V.D. The V. Rev. Monsignor John Gordon.	8, Alipur Road, Civil Lines, Delhi (Tel. 24767).
NORWAY.	New Delhi.	Second Secretary .. Envoy Extraordinary and Minister Plenipotentiary. First Secretary Secretary to the Minister ..	The V. Rev. Mons E. Gerada. His Excellency Knut Lykke. Knut Myre.	Cecil Hotel, Delhi (Tel. 24837).
PHILIPPINES.	New Delhi.	Envoy Extraordinary and Minister Plenipotentiary. Second Secretary and Consul .. Administrative Officer ..	His Excellency Narciso Ramos. Felipe Mablangan. Enrique D. Bautista.	Malden's Hotel, Delhi.
PORTUGAL.	New Delhi.	Envoy Extraordinary and Minister Plenipotentiary. Counsellor Third Secretary	His Excellency Dr. V. V. Garin. Dr. Alvaro Brilhante Laborinho. Dr. Carlos Alberto Empla Wemans.	22, Hardinge Avenue, New Delhi.
SWEDEN.	New Delhi.	Envoy Extraordinary and Minister Plenipotentiary. First Secretary As. Commercial Secretary Attache	His Excellency Per Wijkman. Reinhold Reutersward. Kaj Sundberg. Bengt Roslo.	Theatre Communications Buildings, New Delhi (Tel. Nos. 7727 & 40890).
SYRIA.	New Delhi.	Envoy Extraordinary and Minister Plenipotentiary. Secretary	His Excellency Youssef Luthi Bustami. Dr. Jabr Al-Atrash.	Hotel Ambassador, New Delhi.

HIGH COMMISSIONERS IN INDIA

Country.	Station.	Designation.	Name.	Address
AUSTRALIA.	New Delhi.	High Commissioner	His Excellency W. R. Crocker.	Australian High Commission, Connaught Place, New Delhi (Tel. Nos. 40041, 40042 & 40043).
		Counsellor Press Attache Official Secretary Second Secretary Third Secretary Chief Administrative Officer	F. H. Stuart. R. D. B. Mitchell. L. H. Border. A. M. Morris. D. Wilson. J. F. Knox.	
CANADA.	New Delhi.	High Commissioner	His Excellency Escott Reid.	4, Aurangzeb Road, New Delhi (Office Tel. 40191).
		Commercial Counsellor First Secretary Second Secretary Immigration Attache Second Secretary Asstt. Trade Commissioner	Richard Grew. B. M. Williams Miss A. M. Ireland. A. J. Des Jardins. Georges H. Blouin William P. Birmingham.	
	Bombay.			Gresham Assurance House, Mint Road, Bombay (Tel. 20672).
CEYLON.	New Delhi.	High Commissioner Official Secretary	His Excellency C. Coomaraswamy, C.B.E. Y. Duraiswamy, C.O.S.	2, Scindia House, New Delhi (Tel. 47377).
PAKISTAN.	New Delhi.	High Commissioner	His Excellency Raja Gazanfar Ali Khan.	8-B, Hardinge Avenue, New Delhi.
		Counsellor Military Adviser Commercial Secretary Liaison Officer Second Secretary (A) Second Secretary (G) Third Secretary Passport Officer Deputy High Commissioner Third Secretary Deputy High Commissioner Assistant High Commissioner	Ikbal Athar Colonel Nazir Ahmad Khan S. M. Chaudhury Mohd. Ismail Ataulah. I. Khan T. H. Qureshi. Col. Nur Khan, M.B.E., M.C. Abdul Rehman Khan A. A. Akmut Khawaja Nasarullah. K. M. Khalil.	
	Jullundur.			Radio Colony, Jullundur, Punjab.
	Calcutta.			9, Circus Avenue, Calcutta 17.
	Bombay.			249, Dadabhai Naoroji Road, Fort, Bombay
UNITED KINGDOM.	New Delhi.	High Commissioner	His Excellency Sir Peter Alexander Clutterbuck.	6, Albuquerque Road, New Delhi (Tel. 40151).
		Deputy High Commissioner (Minister). Senior Trade Commissioner in India and Economic Adviser to the High Commissioner (Minister). Public Relations Adviser to the High Commissioner and Director, British Information Services. Financial Adviser and United Kingdom Treasury Representative in South Asia. Counsellor Counsellor Counsellor and Trade Commissioner. Adviser on Works and Services Military Adviser Air Adviser Labour Adviser Civil Air Adviser First Secretary First Secretary First Secretary First Secretary First Secretary and Trade Commissioner. First Secretary and Trade Commissioner. Assistant Public Relations Adviser. Assistant Public Relations Adviser. Assistant Public Relations Adviser. Assistant Labour Adviser. Assistant Military Adviser Second Secretary Second Secretary Second Secretary Second Secretary	G. J. MacMahon. J. T. Hughes L. Waight. W. H. Young. E. L. Sykes. E. A. Midgley, M.B.E. K. W. Judd. Brig. H. G. M. Dunn. W/Cdr. P. J. S. Finlayson, A.F.C. J. J. Keane. G. S. Hill. V. C. Martin. W. F. Bell. J. R. Downie. Miss E. J. Emery. J. N. McKelvie. J. R. Cross. D. F. Kerr. Group Capt. L. W. C. Pearce-Gervis. R. Mc. C. Samples, D.S.O. S. A. Priddle. Major M. T. J. Bate-Williams. P. W. J. Buxton. T. W. Aston. W. R. Lythgo. L. Collett.	

Country.	Station.	Designation.	Name.	Address.
UNITED KINGDOM—(contd)		Second Secretary and Assistant Trade Commissioner.	Mrs. H. Kirk.	
		Second Secretary and Assistant Trade Commissioner.	W. J. Cheesman.	
		Second Secretary and Assistant Trade Commissioner	D. J. R. Hack.	
		Second Secretary	H. J. Turner.	
		Second Secretary	R. J. Jenkins.	
		Second Secretary and Assistant Trade Commissioner.	Miss J. A. Eaton.	
	Calcutta.	Deputy High Commissioner ..	G. E. B. Shannon.	1, Harrington Street, Calcutta.
		Counsellor	C. M. Walker	
		First Secretary	J. E. A. Miles.	
		Second Secretary	R. C. Cox.	
	Bombay.	Deputy High Commissioner	H. A. Twist	Mercantile Bank Building, Mahatma Gandhi Road, Bombay (Tel. 81001-8).
		First Secretary	D. J. King.	
		Second Secretary	P. F. Walker.	
	Madras.	Deputy High Commissioner	L. J. C. Wakely, O B E	No. 6, Armenian Street, Madras (Tel. 86556).
		First Secretary	C. E. Diggins.	
		Second Secretary	C. A. Lovitt.	

FOREIGN CONSULAR OFFICES IN INDIA

Country.	Station.	Designation.	Name.	Address.
AFGHANISTAN.	Bombay.	Consul ..	Gholam Ahmad Navid.	115, Walkeshwar Road, Bombay (Tel. 40677).
BELGIUM.	Bombay.	Consul-General	Emile Lots.	"Morena", 11, Carmichael Road, Cumballa Hill, Bombay (Tel. 41824).
	Calcutta.	Vice-Consul in-charge	R. Thimistar.	6, Camnac Street, Calcutta.
	Madras.	Consul	K. H. Chambers.	Leicot's Building, Erabalu Chetty Street, Madras (Tel. 2001).
BOLIVIA.	Calcutta.	Consul-General* ..	B. Matthews.	Wellesley House, Wellesley Place, Calcutta (Tel. City 5615).
BRAZIL.	Bombay.	Consul	Vacant.	Asian Building, 4th Floor, Ballard Estate, Bombay (Tel. 33157).
BURMA.	Calcutta.	Vice-Consul	Dr. A. F. Heredia.	Suite No. 4, 8, Syed Amir Ali Avenue, Calcutta 17.
		Consul-General	U. Zaw Win.	24, Maha Nivvan Road, Calcutta 19.
	Madras.	Vice-Consul ..	U Htoon Shein.	Mount Road, Madras.
CHINA.	Calcutta.	Vice-Consul	U Ba Yi	237, Lower Circular Road, Calcutta.
		Consul-General	Lin Yu-fung.	10, Bomanji Petit Road, Bombay 26.
	Bombay.	Consul-General	Yao Nien.	Adyar P. O.
COLUMBIA.	Madras.	Consul-General ..	Alfonso Tavera Garcia.	C/o Messrs. B. B. Rodda & Co., Wellesley Place, Calcutta 1.
	Calcutta.	Consul	H. Aldridge.	West View, Ground Floor, 87, Wodehouse Road, Colaba, Bombay (Tel. 35944).
CZECHOSLOVAKIA.	Bombay.	Consul	Viktor Bacik.	Eros Cinema Building, 42, Queen's Road (Tel. 37096).
DENMARK.	Bombay.	Consul	E. B. Mogensen.	F2, Clive Building, Netaji Subhas Road, P.O. Box No. 364, Calcutta (Tel. 1078).
	Calcutta.	Consul	F. W. T. Holmgaard.	C/o Pierce Lealle & Co. Ltd., Cochin (Tel. 204).
	Cochin.	Consul	Archibald Allan Henry Campbell.	Mercantile Bank Building, 1st Line Beach, Madras (Tel. 3688).
	Madras.	Consul ..	O. Christensen.	211/17, Nagdevi Street, Jamal Building, Bombay 3 (Tel. 25690 & 33388).
DOMINICAN REPUBLIC.	Bombay.	Consul-General	Haji Hasham Ismail.	Cambatta Building, 124D, Queen's Road, Churchgate Reclamation, Bombay (Tel. 37325).
EGYPT.	Bombay.	Secretary	A. S. Memon	Bama Niketan, 10, P. K. Tagore Street, Calcutta (Tel. B. B. 296).
		Consul-General	Moustafa Ismail Mohamed.	
EL SALVADOR.	Calcutta.	Consul	Karanjaksha Bonerjee.	
		Chancellor	Kalyanaksha Bonerjee.	
FINLAND.		(Finnish Legation, New Delhi.)		
FRANCE.	Bombay.	Consul	Michel Theamar.	Celandine, 87-B, Nepean Sea Road, Bombay 6 (Tel. 74206 & 73956).
	Calcutta.	Consul-General	Jean Belloir.	26, Park Mansion, Park Street, Calcutta 16 (Tel. 3090).
	Madras.	Consul	P. Papoussamy.	7, Cenotaph Road, Teynampet, Madras.
GERMANY (WEST).	Bombay.	Consul-General ..	Wilhelm Von Pochhammer.	Busi Mansion, 29, Wodehouse Rd., Bombay 1 (Tel. 35065 & 35066).
		Consul ..	Herr Dr. Hellmuth Dietmar.	
GREECE.	Bombay.	Consul-General	G. Loucatos.	Mercantile Chambers, 1st Floor, Graham Road, Ballard Estate, Bombay (Tel. 20889).
	Calcutta.	Consul-General	B. Matthews.	Wellesley House, 7, Wellesley Place, Calcutta (Tel. No. City 3796).
HAITI.	Calcutta.	Consul ..	Murari Churn Law.	No. 2, Cornwallis Street, Calcutta 6 (Tel. 34-2673).
INDONESIA.	Bombay.	Consul	St. Bahroem Sjah.	17, Altamont Road, Cumballa Hill, Bombay 26 (Tel. 75678).
IRAN.	Bombay.	Consul-General ..	G. A. Vahid.	Dorchester, Queen's Road, Bombay (Tel. 32418).
IRAQ.	Bombay.	Actg. Consul ..	Hakki Barazanji.	"Panorama", 203, Walkeshwar Road, Bombay 6 (Tel. 40669).
		Vice-Consul	Khalid Kayssi.	
ISRAEL.	Bombay.	Consul	G. Doron.	50, Pedder Road, Cumballa Hill, Bombay 26 (Tel. 78033).
ITALY.	Bombay.	Consul	Dr. Vincenzo Bolasco.	Dinshaw Wachha Road, Fort, Bombay 1 (Tel. 36877 & 36878).
				P.O. Box No. 1521, Bombay (Tel. 23084).
	Calcutta.	Consul	Dr. Domenico Bocchetto.	3, Raja Santosh Road, Alipore, Calcutta 27.
JAPAN.	Calcutta.	Consul-General	T. Kasuya.	17, Old Court House Street, Calcutta.
		Consul	A. Yoshioka.	
		Consul	T. Kawabata.	
		Vice-Consul	K. Tsunashima.	

* Honorary.

Country.	Station	Designation.	Name.	Address.
JAPAN <i>(contd.)</i>	Bombay.	Chancellor Consul-General Consul Vice-Consul Chancellor	I. Kodama. F. Hayashi M. Ito. D. Kawasaki. T. Yashiro.	"Megh Doot", 95B, Marine Drive. (Tel. 32067).
JORDAN.	Bombay.	(Interests being looked after by the Iraqi Consul-General.)		
LEBANON.	Bombay.	Consul-General	Tarek El-Yaffi.	Churchgate House, Churchgate Street, Bombay (Tel. 31873).
LUXEMBURG.	Bombay.	Vice-Consul	R. C. S. Van Damme.	2nd Floor, Taj Building, Hornby Road, Fort, Bombay (Tel. 33328).
NEPAL.	Calcutta.	Consul-General	Lt. Gen. Daman Shamshere Jung Bahadur Rana, C. I. E. C. B. E.	25, Raja Santosh Road, Calcutta 27.
NETHERLANDS.	Bombay.	Consul	G. H. Heintzen.	314, Dadabhai Nowroji Road, Petit Library Building, Bombay (Tel. 34664).
	Calcutta.	Consul	Ph. H. Rogaar.	5, Netaji Subhas Road, Calcutta (Tel. B. B. 1444)
	Cochin. Madras.	Consul Consul	C. Hardebeck A. D. Charles	Cochin (Tel. 246). North Rly. Terminus Road, Royapuram, Madras (Tel. 2956).
NICARAGUA.	Bombay.	Consul	C. H. A. R. Hardcastle.	Alice Building, Dr. Dadabhai Naoroji Road, Bombay (Tel. 27017).
	Calcutta.	Consul	C. H. Astell	Clive Bldgs., Netaji Subhas Road, Calcutta 1.
NORWAY.	Bombay	Consul-General	F. Orvin.	Imperial Chambers, Wilson Road, Ballard Estate, Bombay (Tel. 23394).
	Calcutta. Cochin. Madras.	Consul-General Vice-Consul Consul	S. Gylseth. B. S. Holloway. F. G. Hadden.	14, Netaji Subhas Road, Calcutta. Cochin. Post Box No. 42, Madras.
PANAMA.	Bombay.	Consul-General	Lie. G. E. Berguldo.	7/25, Cuffe Parade, Colaba, Bom- bay (Tel. 36867)
PERU.	Calcutta.	Consul-General	Luis Rene Méndez.	Suite 018, 919, Great Eastern Hotel, Calcutta (Tel. 3855)
PORTUGAL.	Bombay	Consul-General	Dr. E. Patrio.	19-A, Cuffe Parade, Colaba, Bombay (Tel. 35477).
	Calcutta. Madras.	Consul In-charge	Dominic Pereira Roy E. Chambers	37, Taitolla Lane, Calcutta 7/15, Haddows Road, Nungam- bakkam, Madras.
SAUDI ARABIA.	Bombay.	Consul-General	Yusuf Al Fozan.	"Firdaus", Flat No. 19, Marine Drive, Bombay (Tel. 27537).
		Vice-Consul Secretary Consul Trade Commissioner	Mohammed Mansuri. Ali Fozan. D. Jose Antonio Balenchana. Vacant	"Oceana", 153, Marine Drive, Churchgate Reclamation, Bombay (Tel. 36757)
SPAIN.	Calcutta. Madras.	Vice-Consul Vice-Consul	Pritindra Nath Ray Chowdury Gilbert Augustine Pais.	10, Old Post Office Street, Calcutta, "Lawdale", 5, Nimmo Road, San Thome, Mylapore, Madras.
SWEDEN.	Bombay.	Consul-General	T. H. Rydin	Indian Mercantile Chambers, Nicol Road, Ballard Estate, Bombay (Tel. 26583).
	Calcutta. Madras.	Consul Consul	N. Tisell. C. G. Hylten-Cavallius.	7, Wellesley Place, Calcutta. 8/9, Thambu Chetty Street, George Town, Madras (Tel. 2978-80).
SWITZERLAND.	Bombay.	Consul-General	H. A. Sonderegger.	Manekji Wadia Building, 125, Mahatma Gandhi Road, Fort, Bombay (Tel. 23738).
	Calcutta.	Consul	Hans C. Naegeli.	Clive Building, 8, Netaji Road, Calcutta.
	Cochin.	Consular Agent	H. Bueler.	C/o Volkart Brothers, P.O. Box No. 3, Cochin.
	Madras.	Consular Agent	F. Wichser.	C/o Volkart Brothers, Armenian Street, P.O. Box No. 48, Madras (Tel. 4406).
SYRIA.	Bombay.	Consul-General	Sobhi El-Ejel.	Mustafa Buildings, Sir P. M. Road, Fort, Bombay (Tel. 21683).
TURKEY.	Bombay.	Consul	Rahim Karim Miatri.	208, Dinslaw Watcha Road, Back- bay Reclamation (Tel. 37277).
UNITED STATES OF AMERICA.	Bombay.	Consul-General	William T. Turner.	Construction House, Nicol Road, Ballard Estate, Bombay 1 (Tel. 30083 & 25646).
		Consul Consul Vice-Consul Vice-Consul Vice-Consul Vice-Consul Vice-Consul & Cultural Affairs Officer. Vice-Consul	Robert Smith Simpson. William J. Barnsdale. Angus M. Thuerner. Warren P. Cleary. Eugene E. Champagne. Paul H. Krebsberg. Eric B. Shearer. Roger C. Brewin.	

Country.	Station.	Designation	Name.	Address.
UNITED STATES OF AMERICA—(contd.)	Calcutta	Consul in-charge Consul (Public Affairs Officer) Consul (Economic Officer) Consul (Executive Officer) Consul (Political Officer) Consul (Motion Picture Officer) Consul (Cultural Affairs Officer) Vice-Consul (Information Officer). Vice-Consul (Cultural Affairs Officer). Librarian Librarian Administrative Officer Vice-Consul (Agricultural Officer) Vice-Consul (Political Officer) Vice-Consul (Consular Officer) Vice-Consul (Economic Officer) Vice-Consul (General Services Officer) Vice-Consul (Economic Asstt) Vice-Consul (Political Asstt) Operations Officer Liaison Officer, MAIS Consul-General Consul Vice-Consul Vice-Consul Vice-Consul Vice-Consul	R Borden Reams Robert Rossow (Jr.). Robert M. Winfree Garrett H. Soulen. L. Douglas Heck. John W. Moyer John H. Esterline. Glenn Lee Smith. Elsie A. Aderton. Jane Fairweather Alice Kirwan. Gerrit J. W. Heyneker Carl O. Winberg. John M. Turner. Mary A. Roberts Robert J. Barnard Alan L. Campbell (Jr.). Kenneth Y. Millian J. Thomas McAndrews Ben H. Hall. Capt. Robert S. Burkholder. Henry C. Ramsey Paul C. Sherbert J. Alfred La Freniere Kenneth W. Martindale Melvin B. Jaschke Edith C. Wall Harold M. Otwell	5/1, Harrington Street, Calcutta 16
	Madras.			150-B, Mount Road, Madras 2.
VENEZUELA	Calcutta.	Consul General	Bernard Matthews	7, Wellesley Place, Calcutta
YUGOSLAVIA	Bombay	Consul-General	Vjenceslav Mesaric	120, Dinshaw Vachha Road, Churchgate Reclamation (Tel. 36374)

U. N. BODIES IN INDIA

UNITED NATIONS INFORMATION CENTRE FOR INDIA, BURMA AND CEYLON

Address.—Theatre Communication Building, Connaught Place, New Delhi

Dissemination of objective information, on the aims and activities of the United Nations through all information media is the main function of the New Delhi Centre of the United Nations

Director James Orrick

Deputy Director Kamal Kumar

UNITED NATIONS OFFICE FOR POPULATION STUDIES

Address.—Block 9, Shahjahan Road, New Delhi

Director Dr C. Chandrasekaran.

U. N. INTERNATIONAL CHILDREN'S EMERGENCY FUND (UNICEF)

Address.—Patiala House, Hardinge Avenue, New Delhi

The UNICEF was brought into being to meet the emergency needs of children particularly in the war-devastated countries, and, at the same time, to further child-health purposes generally on a long-range programmes

Chief of Mission F. G. Davies

Deputy Chief A. B. McBain

Supply Officer Poul Larsen

OTHER U. N. BODIES

International Labour Office (India Office): Mandi House, New Delhi.

United Nations Educational, Scientific and Cultural Organisation: South Asia Science

Co-operation Office: C. S. I. R. Building, Old Mill Road, New Delhi 2, India.

Director Dr P. C. Young

Deputy Director Dr J. D. N. Versluys.

United Nations Food and Agriculture Organisation: Theatre Communication Building, Connaught Place, New Delhi.

Director P. V. Acharya

World Health Organisation Regional Office for South-East Asia: Patiala House, Princess Park, New Delhi.

Director Dr. C. Mani

Deputy Director Dr S. F. Chellappah

Chief, Office of Administration & Finance Mr J. Brouland

TRADE COMMISSIONERS

UNITED KINGDOM

Delhi:—Gerald John MacMahon, Senior United Kingdom Trade Commissioner in India and Economic Adviser to the U. K. High Commissioner.

E. A. Midgley, M.B.E., Principal United Kingdom Trade Commissioner at Delhi.

J. R. Cross, United Kingdom Trade Commissioner.

Address: Eastern House, Man Singh Road, New Delhi 2.

Telephone No. 44211.

Telegrams: "TRADCOM".

Calcutta:—G. W. Brazendale, Principal United Kingdom Trade Commissioner at Calcutta.

R. W. B. Carter, United Kingdom Trade Commissioner.

Address: 1, Harrington Street, Calcutta 16.

Telephone No. PK 4500-7.

Telegrams: "TRADCOM".

Bombay:—D. A. Bryan, O.B.E., Principal United Kingdom Trade Commissioner at Bombay.

G. J. Husted, United Kingdom Trade Commissioner.

A. F. Collings, Assistant United Kingdom Trade Commissioner.

A. C. Mummery, Assistant United Kingdom Trade Commissioner.

Address: Mercantile Bank Building, Mahatma Gandhi Road, Fort, Bombay.

Telephone No. 31001-6.

Telegrams: "TRADCOM".

Madras:—D. G. Stewart-Smith, United Kingdom Trade Commissioner.

Address: 2, Armenian Street, Madras 1.

Telephone No. 85448.

Telegrams: "BRITACOM".

AUSTRALIA

Bombay:—H. Wrigley, Trade Commissioner; A. L. Paltridge, Assistant Trade Commissioner; G. B. Hardham, Asst. Trade Commissioner (Public Relations).

Address: Mercantile Bank Building, 52/66, Mahatma Gandhi Road, Bombay, P.O. Box 217. Tel. 32065.

Calcutta:—W. R. Hudspeth, K. Le Rossignol, Assistant Trade Commissioner.

Address: 2, Fairlie Place, Calcutta, P.O. Box 803.

CANADA

New Delhi:—Richard Grew, Commercial Counsellor.

Address: Office of the High Commissioner for Canada, 4, Aurangzeb Road, P.O. Box 11.

Cable Address: "CANADIAN." **Telephone No.** 40191/2.

Bombay:—D. M. Holton, Canadian Government Trade Commissioner.

W. P. Birmingham, Assistant Trade Commissioner.

Address: Gresham Assurance House, Mint Road, P.O. Box 886.

Cable Address: "CANADIAN." **Telephone No.** 20672.

CEYLON

Commercial Secretary: Ceylon High Commissioner in India: B. P. Tilakaratna.

Address: Ceylon House, Bruce Street, Fort, Bombay. Tel. 31239.

JAMMU AND KASHMIR

In addition to fostering foreign trade, the office of the Trade Agent looks after the Kashmir Government Arts Emporium, Kashmir Information Bureau and the Kashmir Visitors' Bureau, the latter organisation propagating tourism and giving every assistance to those intending to holiday in the "Happy Valley".

Trade Agent: Dr. S. S. Nishat.

Address: Manekji Wadia Building, 129, Mahatma Gandhi Road, Bombay 1.

Telephone Nos.: 23736; 89440.

Trade Commissioner, 5, Pruthviraj Road, New Delhi: Khawaja Ahsam Ullah.

Trade Agent, 12, Chowringhee, Calcutta: V. N. Saraf.

Trade Agent, Kashmir House, Court Road, Amritsar: Sardar Amar Singh.

Trade Agent, Dhangoo Road, Pathankot: D. N. Jalali.

NEW ZEALAND

Trade Commissioner in India: John B. McGuire.

Asst. Trade Commissioner: R. G. J. Phelan

Address: 2nd Floor, Mercantile Bank Bldg., Mahatma Gandhi Road, Bombay.

Telephone: 27350.

Telegraphic Address: "ZEALANDIA."

AUSTRIA

Austrian Trade Representative in India: Robert Schmidt.

Address: Queen's Mansions, Bastion Road, Bombay, P. O. Box 1385.

Telephone: 34483.

BELGIUM

Consul-General for Belgium with jurisdiction over commercial matters: Emile Lotz.

Address: "Morena," 11, Carmichael Road, Cumballa Hill, Bombay 26.

Telephone: 41824.

CUBA

Consul for Cuba in Charge of Economic Affairs: Sergio Arcacha.

Address: "Sea Foam," Cuffe Parade, Bombay 5.

Telephone: 34787.

CZECHOSLOVAKIA

Deputy Commercial Attaché: F. Bures.

Assistant Commercial Attaché: V. Safar

Address: Kasturi Buildings, Jamshedji Tata Road, Bombay 1. Tel. 38298.

Deputy Commercial Attaché, H-35, Connaught Circus, New Delhi: V. Vetrovec.

Commercial Representative, P-34, Mission Row Extension, Calcutta 13: J. Beznoška.

DENMARK

Trade Commissioner: Borge Raavad.

Asst. Trade Commissioner: Jorgen Gress-Pedersen.

Address: Pallonji Mansion, New Cuffe Parade, Colaba, Bombay 5.

Telephone: 35854.

EGYPT

Commercial Secretary to the Government of Egypt in India: Mohamed Abdul Rahman Hamdy.

Address: Egyptian Embassy, Malden's Hotel, Delhi.

FRANCE

New Delhi:—The Commercial Counsellor to the French Embassy, 24, Theatre Communication Building, Connaught Circus.

Bombay:—The Trade Commissioner for France, "Adelphi", 4th Floor, 8, Queen's Road. Tel. 31882.

Calcutta:—The Trade Commissioner for France, 18, Park Mansions, 7th Street.

Madras:—The Trade Commissioner for France, Paradise Building, 88, Mount Road, Madras.

GERMANY (WEST)

Trade Commissioner: Dr. Werner Seldis.

Deputy Trade Commissioner: Ernst Kunisch.

Assistant Trade Commissioner: E. Vogeler.

Address: Consulate-General of the Federal Republic of Germany, Russi Mansion, 29, Wodehouse Road, Fort, Bombay 1.

Telephone Nos.: 35065; 35066 and 35067.

HUNGARY

Legation of the Hungarian People's Republic—Commercial Section: G. Sinka (Commercial Attaché.)

Address: "Revills," Cuffe Parade Extension, Bombay 5.

Telephone: 36073.

ITALY

Consul for Italy with jurisdiction over Commercial matters: Dr. Vincenzo Bolasco.

Address: Behind Ritz Hotel, Dinshaw Wacha Road, Fort, Bombay 1.

Telephone: 36877-78.

Commercial Secretary, New Delhi: Dr. Marcello Serafini.

Address: Italian Embassy, 17, York Road. **Consul (Commercial), Calcutta:** Dr. Domenico Bocchetto.

Address: 3, Raja Santosh Road, Allpore.

JAPAN

Consul General: Fujio Hayashi.

Consul: Masakuni Ito

Vice-Consul: Daizo Kawasaki

Chancellor: Tokio Yashiro.

Address: "Megh-Doot", 95-B, Netaji Subhas Road, Bombay 2.

Telephone: 32067-8.

NETHERLANDS

Commercial Secretary, Head of the Economic Section, Netherlands Embassy: E. F. M. Van Hall.

Commercial Secretaries: A. C. H. Graafland, K. J. Stadman.

Address: 298, Bazargate Street, Fort, Bombay.

Telephone Nos. 28693; 26492.

NORWAY

Trade Commissioner for Norway: Arne Bjorving

Address: Imperial Chambers, Wilson Road, Ballard Estate, Bombay. Tel. 23304.

Assistant Trade Commissioner, Calcutta: William Rode (14, Netaji Subhas Road).

PORTUGAL

Government Trade Agent: J. M. Campos.

Address: 19-A, Cuffe Parade, Colaba, Bombay 5.

Telephone: 35477

SPAIN

Assistant Spanish Trade Commissioner: I. Ali Prados.

Address: Spanish Consulate, Commercial Attaché, "Oceana", 153 Marine Drive, Bombay.

Telephone: 36737.

SWEDEN

Commercial Secretary to the Royal Swedish Legation: Kaj Sundberg (Acting).

Address: Indian Mercantile Chambers, Nicol Road, Ballard Estate, Bombay.

Telephone: 26583.

SWITZERLAND

Swiss Trade Commissioner: Dr. E. W. Dutcher.

Secretary to the Swiss Trade Commissioner: Dr. M. Steiner.

Address: Gresham Assurance House, Sir Phiroozshah Mehta Road, Fort, Bombay. P. O. Box 102. Tel. 27084.

U.S.S.R.

Trade Agency of the U.S.S.R. in India, 4, Camac Street, Calcutta 16.

YUGOSLAVIA

Consul-General of Federal People's Republic of Yugoslavia: V. Mesario.

Address: 120, Dinshaw Wacha Road, Churnagata Reclamation, Bombay 1.

Telephone: 36874.

AKHIL BHARAT HINDU MAHASABHA*

(Hindu Mahasabha Bhawan, Reading Road, New Delhi).

President: N. C. Chatterjee, M.P.

Vice-Presidents: Dr. N. B. Khare, M.P.; Deben-dranath Mookerjee, M.L.C.; Prof. Ram Singh; Yashwantrao Joshi; Capt. Keshabchander; Dr. Gokulchand Narang.

General Secretary: V. G. Deshpande, M.P.

Organising Secretary: B. Guna.

Offices Secretary: Narendranath Das.

Treasurer: M. Digvijay Nath.

Total membership of party: 2,25,000.

Strength in the House of the People: 4.

Strength in the Council of States: 1.

AIMS AND OBJECTS

The aim of the Hindu Mahasabha is the protection and promotion of all that contributes to the advancement, strength and glory of Hindu Rashtra, Hindu culture and Hindu polity, and as a means to that end, to achieve Hindu Raj and re-establish the integrity of the State of Bharat by constitutional means.

Besides the establishment of 'Akhanda Hindustan' the aims and objects of the Hindu Mahasabha are defined as follows:

The establishment of a really democratic State in Hindustan, based on the culture and tradition of the land;

The organisation and consolidation of all sections of the people into one organised whole;

The creation of a new social order in which all nationals will enjoy equal rights and opportunities and share equal responsibilities;

The assurance to each national of the dignity of human values and full freedom of thought, expression, association and worship;

The revival and promotion of the ancient Indian motto of plain living and high thinking, and the glorious ideals of Aryan womanhood;

Adoption of (Sanskrit-Nishta) Hindi as the national language and Devanagari as the national script of India;

Making of Hindustan politically, economically and materially strong and self-reliant;

Removal of all forms of social inequalities and disabilities;

(9) Reclamation of all those who have left the Hindu fold and welcoming of others into the community;

Ending of gross inequalities in the distribution of wealth, assurance of a decent standard of living to each national, and securing for workers and peasants their rightful share in the economy of the country.

Industrialisation of the country as rapidly as possible;

Promotion of cow protection and abolition of cow slaughter;

Cultivation of friendly relations with other nations with a view to maintaining international peace and progress.

The present Constitution of India is borrowed from the Constitutions of America, England, France and other Western countries and is not suited to the genius of the people. The Hindu Mahasabha would undertake the task of amending the Constitution so that it may be in consonance with the tradition and culture of the land and make Bharat a truly democratic Hindu State.

The Hindu Mahasabha wants to discourage all separatist tendencies and hence would amend the Constitution so that Bharat may be a well-knit homogeneous State with a strong centre and not a loose combination of autonomous States. Bharat itself would be a State and the units would be provinces and not States.

The Hindu Mahasabha believes in the policy of formation of provinces on a linguistic basis and the readjustment of boundaries of the existing provinces wherever necessary, with due regard to the problems of defence and security, the area, population and economic stability of the province concerned and the rehabilitation of the refugees.

The distinction between States as Parts 'A', 'B' and 'C' would be removed and all parts of India would enjoy the fullest democratic rights without any distinction.

The Hindu Mahasabha proposes to come out of the Commonwealth in order to make Bharat a really free nation. It will enter into treaty relations with the United Kingdom and other countries for mutual help and co-operation.

India's foreign policy will be guided by the principle of enlightened self-interest and reciprocity.

The Hindu Mahasabha will adopt the policy of reciprocity towards Pakistan.

The Hindu Mahasabha will endeavour to build up a strong defence in the present disturbed condition of the international situation and with this object in view, will develop the country as a first rate military power in order to make its voice felt in the United Nations Organisation.

The Hindu Mahasabha will make military education compulsory for all young men between the ages of 18 and 25, who are physically fit and special attention will be paid to develop industries connected with war machines and materials of all types.

The Hindu Mahasabha will relax the rigours of the Arms Act and issue licences liberally to the inhabitants in border areas.

The Hindu Mahasabha recognises the sanctity of private property and guarantees its possession and inheritance to its owners.

All key industries such as electricity, railway, coal and steel mines and industries dealing with war materials and weapons will be owned and controlled by the State. The remaining industries will remain open for private enterprise. In running these industries the Mahasabha assures all investors full facilities to start new industries with State aid and partial exemption from taxation in the initial stages.

The Hindu Mahasabha will follow a policy of progressive decentralisation as it is convinced that controls, without guaranteeing adequate supply of controlled commodities to the public, have only a nuisance value and also often actually lead to blackmarketing and corruption. Definite schemes will be formulated for improving the supply of food, cloth and other necessities.

The Hindu Mahasabha will give priority to rehabilitation of refugees and would even levy a special tax, if necessary, for the purpose. The Hindu Mahasabha guarantees compensation to all evacuees who have lost their property in Pakistan and will settle the problem of evacuees' properties at Government level speedily. The Hindu Mahasabha also declares that the refugees will become full-fledged citizens of Bharat. The Hindu Mahasabha will take effective steps to recover abducted women from Pakistan.

ALL INDIA FORWARD BLOC

(Nasha Imam, Fraser Road, Patna).

Chairman: General Mohan Singh.

Secretary-General: Sheel Bhadra Yajee.

Working Committee:

Deputy Chairmen: Hemant Kumar Bose, M.L.A. (West Bengal); Dibakar Patnaik, M.L.A. (Orissa).

Secretaries: Satya Priya Banerjee, M.P. (West Bengal); Prof. Doctor Kanai Bhattacharjee, M.L.A. (West Bengal); R. K. Haldulkar (Madhya Pradesh); Mahavarta Vidyalankar (Delhi); Prof. Tilok Singh (Punjab).

Treasurer: W. Mathuramalinga Thevar, M.L.A. (Tamil Nad).

Members: Bibhuti Ghosh, M.L.A. (West Bengal); Bhubneshwar Pandey, M.L.A. (Bihar); M. D. Ramaswamy, M.P. (Tamil Nad); Nirmal Chandra Ghosh (West Bengal); Kusum Ranjan Choudhury (Assam); K. N. Sanallia (Bihar); Ashok Ghosh (West Bengal); Capt. Ram Mohammad Singh (West Bengal); Suresh Chandra Chatterjee (West Bengal); Capt. Bishan Singh Shanghai (Punjab); P. Surya

Parkash Rao (Andhra); R. A. Mandgi (Karnatak); Dr. Bhupal Bose (West Bengal); Gyan Indar Singh Maur (PEPSU); Nirmal Singh (West Bengal); S. K. Maitra (Bombay); Chitto Bose (West Bengal); Mahanath Dhanrajpur (Bihar); Bharpur Singh Rai (Punjab); Rahque Ahmad (Bihar); Prof. Dr. Mauli Mohan Chakravorty, M.L.C. (W.B.); Chhotu Bhai Shukla (Gujrat); Vedamurthi Ettagi (Mysore).

Active members: 44,530; **General Members:** 300,000.

Strength in House of People: 1.

Strength in Council of States: 1.

Total strength in State Legislatures: 21. West Bengal 15; Bihar 1; Orissa 1; Punjab 1; Madras 8.

It has the largest number of members in West Bengal, Punjab, Bihar and Madhya Pradesh.

In the State Assemblies Elections the Forward Bloc secured 8,53,810 votes.

In the House of People election the Forward Bloc secured 9,88,272 votes.

AIMS AND OBJECTS

The philosophy, aims and objects are broadly as follows:

Scrapping the present constitution, convening a new Constituent Assembly based on adult franchise to frame a new constitution.

All authority would rest with the toiling masses.

The new constitution would provide for: freedom of speech, worship, association, press, land to the tillers; nationalization of industry without compensation; right to recall representatives; right to initiative and referendum; abolition of Upper Houses; formation of States on a linguistic basis; abolition of class, B and C States; stoppage of Princes' privy purses; secession from the Commonwealth; guarantee of right to work, leisure, education, medical and old age provision.

Import and export trade will be Government monopoly.

Confiscation of British capital.

* The particulars given in this chapter are largely—though not invariably—based on returns sent in by the parties themselves.

Progressive and planned socialization of industries; decentralization of private enterprise when necessary.

Reorganization of cottage industries on a co-operative basis.

Gradual replacement of indirect taxation by direct taxation.

Effort to secure full and immediate realization of sterling balances.

No new foreign debt should be incurred; old debts will be paid off on realization of the sterling balances.

No foreign capital will be accepted for national development. The economy will be based on self-sufficiency.

In the transition to socialism—living wage, forty-two hour week, right to strike, insurance

against unemployment, sickness, old age, equal pay for equal work, maternity benefit for four months with full pay.

Fixation of maximum and minimum income in the ratio of 10:1.

Systems of landlordism and intermediaries will be abolished without compensation.

Redistribution of land, with a ceiling of 25 acres; landlords and intermediaries to a maximum of 50 acres.

Present revenue system will be replaced by graduated agricultural income-tax.

Insurance for kisans; formation of co-operative societies.

Fixation of maximum and minimum prices for essential commodities.

Primary and secondary education free and compulsory; higher education cheap enough for all deserving students.

Organization of a system of national health. Abolition of all armed licences and military training of all adults.

Withdrawal of Kashmir case from the U.N.O.; plebiscite after Pakistan forces are withdrawn and the Azad volunteers disarmed; forcible eviction of raiders if Pakistan disagrees.

The annulment of partition and a reunion on a national and cultural basis with territorial autonomy.

Rehabilitation of I.N.A. personnel. Separation of judiciary and executive.

Friendly relations with Russia and China.

BHARAT KRISHIKAR LOK PARTY

(78, North Avenue, New Delhi).

President: N. G. Ranga.

Vice-Presidents: Dadubhai Amin, V. Ramakrishna, Chowdhry Surajmal, Thakur Deshraj, G. Latchanna.

General Secretaries: C. L. Patel, Chowdhry Chandrabhan, V. V. Ramana.

The party has 5 members in the Council of States, 2 in the House of the People, 26 in the State Legislatures (13 in the Andhra Assembly).

In the general election it polled 11,26,288 votes.

The aims and objects are:

To protect the interests of 40 million Harijans, 20 million backward classes, 20 million Scheduled Tribes, 10 million handloom weavers, and of all agriculturists—the under-developed sub-merged classes—from exploitation by industrial and professional groups.

A tiller who has cultivated a piece of land for a prescribed number of years without help from the landlord should be recognized as owner.

Distribution of wasteland.

Promotion of the co-operative movement.

Promotion of cottage industries.

Fixation of a remunerative price for agricultural produce.

Universal elementary education.

Prevention of cow slaughter.

Mixed economy—private enterprise, public corporation, State enterprise.

Co-partnership in industry.

Elimination of the present disparities in wealth and income.

Progressive de-control.

Removal or amendment of Prohibition.

Statutory Development Boards for undeveloped areas.

Reorganization of States on a linguistic basis.

One-third of the number of officers in the Defence Forces should be recruited from the ranks of soldiers.

Co-operation with the Bharat Seva Sangh and help in implementing the Sarvodaya programme.

Co-operative housing schemes in villages.

Reduction of the tax burden on the rural population relatively to urban, and diversion of a larger proportion of the State's expenditure to improving conditions in rural areas.

More recruitment for public services from rural areas specially in those services meant to serve rural areas; and starting of schools, classes in rural areas to prepare candidates, and give them free schooling, lodging and boarding.

Decentralization of power and association of councils of kisans at all levels of administration so that kisan or kulakar leaders can take over responsibility for running the State.

BHARATIYA JAN SANGH

Working President, Pt. Mauli Chandra Sharma.

General Secretaries, Pt. Mauli Chandra Sharma and Pt. Deen Dayal Upadhyay.

Working Committee, Sarv Shri Mauli Chandra Sharma, Din Dayal Upadhyay (*General Secretaries*), Bhai Mahavir Bhai Madhok, Guru Dutta Vaid, Vasant Rao Oak, Shiv Kumar Dwivedi, D. N. Bahaduri, Tara Kant Jha, Hari Dutta, M.L.A., Man Singh Verma, D. P. Thengade, K. K. Mhalgi, Jagannath Rao Joshi, J. K. Saumithri Sharma, Hukum Chand Jain, Rajkishore Shukla, Raj Kumar, Krishna Lal, Lal Singh, M.L.A., Acharya Ram Dev, Vasant Kumar Chatterji, Kushi Bhai Thakure Sunder Singh Bhandari, Ram Narayan Shastri, Uma Shanker Trivedi, M.P., P. B. Gole, Narayan Lal Bansal Lal Pitti, Keshav Dev Verma.

Total membership of party in country, 400,000.

Strength in House of People, 3.

Strength in Council of States, 1.

Total strength in State Legislatures, 34.

Has the largest number of members in Bengal.

AIMS AND OBJECTS

Believes in democracy based on the freedom of the individual and the rule of law. It deprecates the use of violent methods.

Stands for 'gramatantra'—economic and administrative decentralization.

Land reforms to make the cultivator the owner of the land; abolition of zamindari, etc. with compensation.

Prohibition of cow slaughter.

Will encourage private enterprise in industry to expand.

Rationalization and decentralization of industry.

Swadeshi and self-sufficiency.

Strikes and lock-outs will be discouraged; profit-sharing in industry.

Foreign capital will be welcomed but without strings.

Import of essential capital goods will be encouraged; import of luxury articles discouraged.

In internal trade inter-State barriers will be abolished.

Progressive de-control.

Use of taxation to reduce inequalities.

Friendly relations with all countries.

Liquidation of foreign pockets.

Re-examination of India's position in the commonwealth.

Strict reciprocity towards Pakistan.

Will press for decent treatment to minorities in Pakistan.

Will press for full compensation for property left by refugees in Pakistan.

The Kashmir issue should be withdrawn from the U.N.O.; and no plebiscite; and no special position to Kashmir in the Indian Union: same status as other States.

Military training for all.

Janapadasabhas as instruments of local government.

Uplift of backward classes.

Civil liberties for all except those who believe in violence. No restriction on freedom of press and platform through changes in constitution.

Development of Ayurveda on modern scientific lines.

Changes such as proposed in the Hindu Code Bill should not be imposed from above in the absence of a clear verdict from the electorate.

Early adoption of Hindi as national language; active steps for the promotion of the study of Sanskrit.

Content and spirit of education should be Bharatiya.

Free primary education for all; free higher education to promising and needy students.

BOLSHEVIK PARTY

(22, D. N. Sen Lane, Calcutta 31).

General Secretary, Sisir Roy.

The aims and objects are :

Immediate abolition of landlordism without compensation, land to the tiller, development of co-operative farming with aid from State.

Legalization of refugee colonies.

Complete civil liberty, release of political prisoners and detenus, repeal of Preventive Detention Act.

Full employment, security of service, living wage, 40 hour week, full trade union rights.

Free universal education, the right of students to take part in politics.

Linguistic re-distribution of States and autonomy for tribal people, and a United States of India

Confiscation of foreign capital.

No recruitment and training of Gurkhas by Britain on Indian soil.

Nationalization of basic industries including banks, insurances; State aid to small business.

Trade and mutual assistance pacts with Russia, China and the Peoples' Democracies

Secession from the Commonwealth.

Accepts the philosophy of Marxism-Engelsm-Leninism-Stalinism.

COMMUNIST PARTY OF INDIA

(Opposite Irwin Hospital, New Delhi).

Politbureau : Ajoy Ghosh ; K. M. S. Nambodiripad ; C. Rajeshwar Rao, S. A. Dange, P. Kamsamurty, P. Sundarayya, Dr. Z. A. Ahmed, Harikishan Singh Surjeet.

General Secretary, Ajoy Ghosh.

Membership of party in country, about 60,000
Members in the House of the People, 27.

Members in the Council of States, 12.

Total number in State Assemblies, over 200

Number of votes in General Election, about 6 million.

The party emerged as the strongest group after the Congress in Madras, Hyderabad, Travancore-Cochin, and West Bengal. The seats secured by it and its allies in the United and People's Fronts in the various State Assemblies were as follows : Madras (61); Hyderabad (42); Travancore-Cochin (32); W. Bengal (28); Orissa (7), Punjab (6); PEPSU (3); Mysore, Bombay, Assam, 1 each.

In the elections to the electoral college in Tripura, a small Chief Commissioner's State, the Communists, with the Independents' support, secured an absolute majority gaining 16 of the 30 seats.

The Party failed to secure any seats in Bihar, Madhya Pradesh, Madhya Bharat, Rajasthan, Saurashtra, and Uttar Pradesh Assemblies, though it had put up a total of 110 candidates in these States.

AIMS AND OBJECTS

The basic aim of the Party as defined in the preamble to the Constitution is 'the organisation of the toiling masses in the struggle for the victorious anti-imperialist and agrarian revolution for complete national independence, for the establishment of a people's democratic state led by the working class, for the realization of the dictatorship of the proletariat, and the building up of socialism according to the teachings of Marxism-Leninism'.

The aims are described in more concrete terms in the draft programme of the Communist Party issued in April under the name of the Politburo. The Politburo also decided "to radically re-orientate its tactical line in view of recent discussions among its members."

It calls for the confiscation and nationalisation of all foreign capital, complete withdrawal from the British Commonwealth of Nations and a united front with "peace-loving countries and friendship with them", having first brought about a "cessation of tiratation between world Power blocs and leanings towards the United States of America". It also harks back to a programme of what was once called "100 per cent. Swadeshi".

The Party does not press for the immediate establishment of socialism "in view of the backwardness of the economic development of the country", but only a "coalition of all democratic anti-feudal anti-imperialist forces in the country".

On the question of India's *lingua franca* and national unity, the statement says : "In the name of a united country, the language of one

province, namely Hindi, was declared an obligatory State language for all nationalities and States to the detriment of their own national language. Vast areas and millions of people of one nationality are compelled to live under the rule of bureaucrats and governments dominated by another nationality."

As for the practical tasks which would face the "new People's Democratic Government", the programme lists the following in the field of State structure :

"1. The sovereignty of the people, i.e., the concentration of power in the country in the hands of the people. The supreme power in the State must be vested entirely in the people's representatives who will be elected by the people and be subject to recall at any time upon a demand by the majority of electors, and who shall constitute a single popular assembly, a single legislative chamber.

"2. The restriction of the rights of the President of the Republic, in virtue of which the President and persons authorised by him will be deprived of the right to promulgate laws, which have not been passed by the legislature. The President shall be elected by the legislature.

"3. Universal, equal and direct suffrage for all male and female citizens of India who have attained the age of eighteen years in all elections to the Legislative Assembly and to the various local government bodies, secret ballot, the right of every voter to be elected to any representative institution, payment to people's representatives, proportional representation of political parties in all elections.

"4. Local Government on a wide scale and with wide powers through People's Committees. The abolition of all local and provincial authorities appointed from above (e.g., governors, magistrates, commissioners, etc.).

"5. Inviolability of person and domicile; unhampered freedom of conscience, speech, press, assembly, strike and combination; freedom of movement and occupation.

"6. Equal rights for all citizens irrespective of religion, caste, sex, race or nationality; equal pay for equal work, irrespective of sex.

"7. The right of all nationalities to self-determination. The Republic of India will unite the peoples of the various nationalities of India not by force but by their voluntary consent to the creation of a common State.

"8. Reconstitution of the present artificial provinces or States with the dissolution of princely States into national States according to the principle of common language. The tribal area or areas where the population is of specific composition and is distinguished by specific social conditions or constitutes a national minority will have complete regional autonomy and regional governments.

"9. Introduction of progressive income-tax in industry, agriculture and trade and maximum relief in taxation for workers, peasants and artisans.

"10. Right of the people to receive instruction in their own national language in schools, the use of the national language in all public and State institutions. The use of Hindi as an all-India State language will not be obligatory.

"11. The right of all persons to sue any official before a People's Court.

"12. Separation of the State from all religious institutions. The State to be a secular State.

"13. Free and compulsory primary education for the children of both sexes upto the age of fourteen.

"14. Replacement of the police by militia. Elimination of the mercenary army and other punitive forces and the establishment of a national army, navy and airforce for the defence of India, closely linked with the people.

"15. The establishment of a people's health service with a wide network of medical centres and hospitals all over the country, designed to liquidate centres of cholera, malaria, and other epidemic diseases in the country."

The programme next touches upon the rural problem which is "of primary importance to the life of the country". In order to remove the evils at the root of agricultural and cultural backwardness, it will be necessary, according to the draft programme :

1. To hand over landlords' land without compensation to the peasants and to legalise this reform in the form of a special land law.

2. To ensure long-term and cheap credit for the peasants to enable them to purchase agricultural implements and seeds. To ensure long-term and cheap credit to small artisans to enable them to purchase raw materials, etc.

3. To ensure Government assistance to the peasants in the improvement of old and the building of new irrigation systems.

4. To cancel debts of peasants and small artisans to money-lenders.

5. To ensure adequate wages and living condition to agricultural labourers.

In order to break through the vicious circle of the low purchasing power of the peasants and workers, who for that very reason provide a very poor market for the country's industrial output the programme suggests that it will be necessary :

1. To provide for the protection of the national industry against the competition of foreign goods in the country by promulgating appropriate laws;

2. To develop the national industry and to prepare conditions for the industrialisation of the country without sparing any efforts and resources of the State to achieve this end;

3. To improve radically the living and working conditions of workers by fixing a living wage, application of the eight-hour day and forty-four hour week in all industries and trades, introduction of a six-hour day in underground mines and other trades injurious to health, social

insurance at the expense of the State and capitalist against every kind of disability and unemployment, by the establishment of labour exchanges working in association with the Trade Unions, by the establishment of industrial courts, by the recognition of the Trade Unions and the right to collective bargaining;

6. To introduce effective control of prices of goods of mass consumption.

There should be a Government of Peoples' Democracy—a Government of all democratic parties, groups and individuals representing workers, peasants, middle classes and the national bourgeoisie, the bourgeoisie that stands for genuine industrialisation of the country and for the freedom and independence of India."

Such a Government, would break with the British Empire, expel British officers from armed forces, confiscate and nationalise all British capital; cancel all peasants' debts and transfer all lands of landlords and Princes, without payment, to the tillers; develop national industries with the aid of confiscated foreign capital and by enlisting co-operation of private industrialists; guarantee living wage to workers and recognise their right of collective bargaining; create a national army closely linked with the people, abolish the police force and form a people's militia; for national States by abolishing Princely States, reconstruct present States along linguistic frontiers and create a united

India by the voluntary consent of nationalities and tribal peoples; protect the rights and interests of minorities; eliminate social and economic disabilities due to sex and caste; introduce free and compulsory primary education and a people's health service; rehabilitate refugees; establish trade and economic relations with all countries on the basis of equality; fight for a Pact of Peace between the Great Powers, for banning of atom bombs and withdrawal of all foreign troops from all countries and establish a pact of friendship between Pakistan, Ceylon and India.

The new State will have all the organs from the lowest to the highest on elected basis; these elected organs will have the supreme power.

GANATANTRA PARISHAD

(Bhubaneswar, Orissa).

President : P. C. Bhanj Deo.

Vice-President : Pratap Kesari Deo

General Secretary : Rajballav Misra.

The aims and objects are :

Comprehensive system of social security with due regard to the solvency of the State.

Special help to backward classes through free education, reservation in services, settlement on reclaimed land

Full protection to minorities.

Abolition of prohibition and replacement of it by regulation.

Separation of judiciary from executive, simple and inexpensive system of justice.

Non-interference in administrative affairs

Village panchayat as unit of administration; general decentralization and local autonomy.

Abolition of postal censorship.

Abolition of unnecessary controls and strict enforcement of necessary controls.

Reduction of military and police expenditure consistent with security.

Reduction in the costs of administration
Abolition of zamindari with compensation.
Abolition of agricultural income-tax.
Encouragement of co-operative farming
Minimum wages for agricultural labour.
Promotion of family planning techniques.

Checking concentration of wealth and property through estate duties and inheritance taxes.

Encouraging co-partnership and profit-sharing in industry.

Co-existence of nationalised and private industry with a view to increasing efficiency through competition.

Nationalization of only specific industries—basic and heavy industry, inter-State communications, public utility services.

Minimum wage to labour.

Primary education free and compulsory, middle education free, secondary and college education less expensive, State to take responsibility upto secondary education.

India as a confederation of regional autonomous units.

Redistribution of States on a linguistic and economic basis

Full civil liberties.

Abolition of nominated Governors and Rajpramukhs and their replacement by elected heads.

Neutrality between power blocs.

Support of freedom movements everywhere.

Help towards formation of World Government.

Kashmiris to settle future of Kashmir.

Strict reciprocity towards Pakistan, exchange of population and redistribution of territory if necessary.

Merger of foreign settlements into India.

INDIAN NATIONAL CONGRESS

(7, Jantar Mantar Road, New Delhi).

President : Jawaharlal Nehru.

General Secretaries : Balvantray Mehta, S. N. Agarwal, U. S. Mallikar.

Working Committee : Jawaharlal Nehru, Maulana Abul Kalam Azad, C. Rajagopalachari, Pandit Govind Ballabh Pant, Dr. Bidhan Chandra Roy, Jagjivan Ram, Rafi Ahmad Kidwai, Nabakrishna Choudhary, Khandubhai Desai, Manickyalal Varma, N. Sanjiva Reddy, K. P. Madhavan Nair, A. V. Kuttimalu Amma, Deekinandan Narain, Giani Gurmukh Singh Mussafir, Morarji Desai, U. S. Mallikar, Balvantray Mehta, Shriman Narayan Agarwal, Dev Kant Borroah, Srikrishna Sinha.

Total membership of Party in country : 87,04,516.

Strength in House of People : 363.

Strength in Council of States : 149.

Total strength in State Legislatures : 2,247 (at the end of the General Election).

Has the largest number of members in the following State : Bihar (21,04,511).

Total number of votes polled in the General Election :
House of the People : 4,75,57,382; State Assemblies : 4,40,97,096.

AIMS AND OBJECTS

The object of the Indian National Congress is the well-being and advancement of the people of India and the establishment in India by peaceful and legitimate means of a Co-operative Commonwealth based on equality of opportunity and of political, economic and social rights and aiming at world peace and fellowship.

The provision of the basic needs of food, clothing and shelter, and of opportunity for cultural growth for all people.

Belief in a secular state; all citizens to have equal rights; removal of barriers which divide people on the basis of religion, caste, class or region.

Planned economic development.

Abolition of old and out-dated agrarian systems of tenure; security of tenure and fair rents for tenants and tillers of the soil.

Co-operative farming; the village as the unit of co-operative management.

Promotion of small-scale and cottage industries; organization of cottage industries in industrial co-operatives.

Supply of adequate quantities of yarn to handloom weavers.

Basic industries should be owned or controlled by the State.

State trading should be undertaken whenever the balance of advantages lies in favour of such a course.

The private sector must accept the objectives of the Five-Year Plan and fit into it; the aim should be to develop co-operative enterprise in the private sector.

Reduction of the present price level.

Control of distribution is essential in times of scarcity.

Priority to river valley schemes and to basic industries like steel, heavy chemicals, fertilisers, machine tools.

Time, skill, resources of the people must be organized on a voluntary basis for the economic and social betterment of the community.

Redirection of public expenditure, imposition of estate duties for the removal of inequalities.

There should be a reasonable relationship of maximum and minimum incomes.

Better housing for workers.

Transport services should be nationalized.

Effective machinery to commend good work and condemn bad work in the public services.

Summary method to deal with corruption.

Promotion of Basic Education; manual work as part of curriculum of higher education; no degree or diploma without manual work.

No need for differentiation between Part A and B States.

Merger of Part C States into larger units should be considered.

Proper representation to minorities in legislatures and other public bodies.

Removal of social disabilities of women.

Need for action in the matter of redistribution of provinces on a linguistic basis where there is a demand representing the agreed views of the people of the area; economic administrative and financial considerations must be taken into account.

Independent line in foreign policy; friendly relations with all countries.

Foreign establishments on Indian soil must revert to India.

The Kashmir dispute must be settled in accordance with the wishes of the people of Kashmir.

PEASANTS AND WORKERS PARTY

(Pushpak, Laxmi Road, Poona 2).

General Secretary, R. K. Khadlikar.

Political Committee: R. K. Khadlikar, T. S. Jadhava, B. B. Raut, Dajiba Desai, G. D. Lad, Bhagwan Suryawanshi, K. L. Desai, Bhimrao Yadeo, Wasant Tulpule, Udhava Rao Patil, K. B. Patil.

AIMS AND OBJECTS

To establish complete independence by severing all connections with British Imperialism.

To establish a People's Democratic Government of Workers and Peasants and all other classes which are firmly opposed to Anglo-American domination and are inside the world Peace Front.

To reorganise India on a linguistic basis, fully recognising the right of nations to self-determination.

To provide constitutional protection to the language and culture of all minorities.

To abolish all vestiges of Princely rule and feudalism.

India and Pakistan to give mutual aid to each other with a view to further the interests of the toiling masses of both the States.

Abolish Landlordism without compensation, redistribute land, abolish usury, guarantee minimum living wages to agricultural labourers.

To confiscate foreign capital invested in big industrial concerns, banks, means of communications, plantations, mines, etc.

Nationalise big monopolist industries, banks and insurance companies, to secure for workers a control in the management, to guarantee a living wage, seven hours day, old age pension, sickness benefits, etc to workers.

Guarantee right of work to everybody.

Control profits of private enterprises.

Abolish bureaucracy, officials to be elected by the people with a right to recall.

Creation of peoples' militia.

Equal rights to women, and enforcement of the principle of 'equal pay for equal work'.

Total Membership: As a Marxist Party the membership of the Party is strictly restricted to those who are active workers and devote a major part of their time to party work. The rest are put in the class of sympathisers.

Both classes of members together number about 5,000.

Strength in the House of the People. 2.

Strength in the Council of States. 3.

Total strength in the State Legislatures: Bombay 14; Hyderabad State 10. Madhya Pradesh 1.

Has the largest number of members in Bombay.

Total number of votes polled in the General Elections: Bombay State 753,588, Hyderabad 212,934; Total 966,522.

(This total does not include the votes polled by the party in the Marathi-speaking areas in Madhya Pradesh).

PEOPLE'S DEMOCRATIC FRONT

(Narayanguda, Hyderabad).

AIMS AND OBJECTS

The People's Democratic Front, in Hyderabad State, is a front of the political and mass organisations given below:

All Hyderabad Trade Union Congress, League of Socialist Workers; Communist Party, All Hyderabad Kisan Sabha; Democratic People's Party; Kamgar Kisan Party.

Central Council Office-Bearers:

Chairman, Dr. N. M. Jaisooriya.

General Secretary, N. Satyanarayana Reddy.

Members: Dr. N. M. Jaisooriya, N. Satyanarayana Reddy, Ravi Narayana Reddy, Rajinikar, Kaokab Durr, Badham Ella Reddy, V. D. Deshpande, A. L. N. Reddy, Baba Sahab Pranjipal, Gurva Reddy, Narendra Dath, Maqdom Mohiddin.

There are 7 P.D.F. members in the House of People, and 2 in Council of States.

Two of the P.D.F. members in the House of the People polled more than 319,000 and 290,000 votes, i.e., the highest in India.

The P.D.F. is the major opposition party in the Hyderabad Assembly with 46 M.J.As.

At the end of February 1953 the total membership of the All Hyderabad Kisan Sabha including its three units, Telangana, Maratwada and Karnataka, was more than 290,000.

The membership of the All Hyderabad Trade Union Congress was 72,000.

The introduction of planned and controlled economy of people's democracy and building it up on the strength of the people, and irrespective of foreign aid.

The inclusion of basic right to work and right to education in the Indian Constitution and providing necessary conditions for the enjoyment of these rights by the people. The inclusion of the right to recall and revising of constitution with a view to remove class privileges.

Repeal of all repressive legislation and establishment of full democratic rights and civil liberties.

Root out all communal disruptive forces and work for complete secularisation of the State.

Protect the cultural, social and economic and political interests of all minorities and the oppressed and backward sections to register a rapid advance.

Removal of the state of dependency and inequality of Indian woman, in the social, educational and economic fields.

Abolish all forms of feudal interests and privileges, remove the Nizam of Hyderabad and put an end to the entire system of Rajpramukhs.

Disintegration of Hyderabad State and formation of linguistic provinces with adjacent linguistic areas.

Bring about agrarian revolution, give land to the tiller and put the country on the path of rapid industrialisation and prosperity.

Repeal all anti-labour legislation and assure the working class and working people full employment, living wage and social security.

Protect small manufacturers, artisans, and village industries from large scale competition and afford protection to the other industries against foreign competition.

Build up people's national defence through planning of social cohesion, economic prosperity and necessary minimum armed strength.

Secede from British Commonwealth of Nations and pursue a consistent policy of freedom and world peace.

Work for peace and mutual aid with neighbouring countries of Pakistan, Burma and Russia and developing cultural, economic and trade relations with them.

Work for pact of peace between the Five Big Powers of the world, for prohibition of the use of atomic weapons, progressive disarmament, and withdrawal of foreign troops from all countries.

PRAJA SOCIALIST PARTY

(National House, Apollo Bunder, Bombay 1).

Chairman, Acharya J. B. Kripalani, M.P.

General Secretary, Ram Manohar Lohia.

Jt. Secies., Asoka Mehta, Madhu Limaye, Sadiq Ali.

National Executive: Acharya J. B. Kripalani, Asoka Mehta, Acharya Narendra Deva, Hareeshwar Goswami, M.L.A., Jayaprakash Narayan, K. Kelappan, M.P., N. G. Goray, Dr. Prafulla Chandra Ghosh, Dr. Ram Manohar Lohia, Sadiq Ali, Sucheta Kripalani, M.P., Surendranath Dwivedi, M.C.S., Madhu Limaye, Balashwar Dayal, Chinna Dural, Gopal Narayan Saxena, H. V. Kamat, Ishwarlal Desai, K. B. Karant, Mrs. Leela Roy, Pattom Thanu Pillai, Prem Bhasin, P. V. G. Raju.

Total membership of the Party, 270,000.

Strength in the House of the People, 27.

Strength in the Council of States, 8.

Total strength in State Legislatures, 209.

Has the largest number of members in Madras.

Total number of votes polled in General Elections:

House of the People, 17,352,950.

State Assemblies, 15,397,913.

AIMS AND OBJECTS

The Party believes the reconstruction of the country can best be achieved on the basis of an equalitarian social order free from political and economic exploitation and wedded to personal, freedom.

The yearnings of the people for clean and efficient administration and expanding and equitable economy can be realised only through decentralisation in administration and economy.

Local initiative and local control must, therefore, be the pivot of our administration and economy.

Village or a group of small villages should be the unit of both administration and economy. Inside the village there has to be full democratic functioning.

To vitalise rural economy, land must belong to the tiller of the soil. It must be redistributed in economic holdings.

The Party will foster and encourage co-operative farming and distribution.

Economic development should be effected mainly with the help of local resources in men, material and skill.

To this end the Party advocates decentralisation of industry.

It also envisages the development of a new technology based on small machines operated by power, capable of distribution in small units.

Such a technology not only harmonises with the economic and social conditions in our country, but would create circumstances which would eliminate bureaucratic control.

As regards key industries, foreign trade and the sectors of economy where capital tends to accumulate and power concentrate the policy of the Party will be one of nationalisation.

To enable democratic checks and participation, nationalisation will generally be worked out through autonomous corporations in whose control and conduct the workers, technicians,

consumers and other allied interests are represented.

The Party stands for a free trade union movement, that is, trade unionism free from the control of government, employers and political parties.

Fuller realisation of civil liberties is one of the major objectives of the Party.

The spirit of austerity and of swadeshi, so far as goods manufactured by decentralised industries are concerned, will be fostered.

The principle of swadeshi can be extended to centralised private enterprise on the basis of

fair price and standard of goods. Both public finance and foreign trade will be so reorganised as to work out the above policy.

Economic equality and social mobility with democratic functioning are the ultimate guiding principles.

In foreign policy, the party favours a policy of neutrality and non-involvement and co-operation with like-minded forces in other countries.

In defence the policy will be one of maintaining minimum armed forces and building up of a popular militia.

PURUSHARATHI PANCHAYAT

(Ajmer).

President : Dr. Gopaladas.

General Secretary : Diwan Gobindram.

Working Committee : Diwan Arjandas, M.L.A., Diwan Moolchand, Diwan Khemandas, Diwan Shokatral, Diwan Bheemandas, M.L.A., Seth Parcharam, Seth Chhangomai, Seth Kesondass, Shree Udharan, Baba Shankerdas, Shree Tilokchand Gopaladas, Sardar Surat Singh

AIMS AND OBJECTS

To work for the social uplift of the displaced persons;

To work for mutual confidence and affection between the displaced persons and the local inhabitants.

To secure the co-operation of the local inhabitants and to see that the displaced persons and local inhabitants work shoulder to shoulder.

To secure the co-operation of other organised, peace-loving bodies, and to work for the general welfare of the citizens in general and the Naryasis in particular by peaceful constructive methods.

To work for the rehabilitation of the displaced persons.

Total membership of Party in country : 4,000 (Ajmer only) Besides that, Associations in the same name have been started at Jodhpur and Bhilwara.

Total strength in State Legislatures : 3

Total number of votes polled in the General Election : 60,000.

RAMA RAJYA PARISHAD

(Nigam Both Ghat, Kashmiri Gate, Delhi).

Patron, His Holiness Jagadguru Shri Shankaracharya of Dwarka Sharada Peeth.

President, Rajkumari Prabhavati Devi of Devay

Secretary, Rajkumar Singh

General Manager, Nandalal Sharma

The faith, aims and objects.

Reliance on Vedic lore, ideas and practical form in Rama Rajya.

Disapproval of the Europeanization of India in its political, social, religious and economic ideologies.

Goal an Indian India.

Opposition to the secularized, anti-Shastric Hindu Code Bill.

Statutory prohibition of cow slaughter.

Opposition to anti-religious measures in general.

Support to the demand for Akhandia Hindustan.

The State should not engage in trade.

The State should not spend more than it can afford.

There should be sufficient reserves of gold and silver for paper money, so that there is no inflation.

There should be no lavish expenditure on a plethora of big projects all of a sudden.

Killing of cows, monkeys, fish or locusts is a sin in itself.

The constitution must be reconstituted on a religious basis—the authoritative version should be in Hindi.

Prices should be lowered; taxation and expenditure reduced; sales tax, death duties, etc. will not be levied.

Arms to every deserving citizen

High salaries of Government officials must be reduced.

Decentralization of administration

Full compensation in cases of theft.

A State department of religious affairs will be set up to administer justice.

The joint-family system should receive prominent status.

There should be arrangements for imparting most education free.

Hindi should be medium of instruction in schools, colleges, technical institutions

Hindi should be introduced forthwith in the Government departments.

Justice should be speedy and inexpensive; no stamp duty in deserving cases; legal service should be arranged for the poor; administration of justice will be free of charge once a week or daily during a fixed period.

The individual must have the right to earn and the right to own; no property should be taken away without adequate compensation.

There are seven types of legitimate property which should not be confiscated: inheritance, unclaimed treasure, sale proceeds, ransom, lawful interest, income from trade and agriculture and 'dan' allowed by religion.

Controls and rationing should be abolished.

There should be judicious regulation of export; import of luxuries should be subject to prohibitive duties

Foreign aid should be reduced to a minimum

Certain basic industries e.g., iron and steel, should be controlled by Government

Land should be given to the landless; zamindars whose lands are taken away should be given compensation.

Besides fixed remuneration bonus should be given to workers

Use of legal tender will be restricted in favour of barter

Production and sale of vegetable ghee and marketing of beef will be prohibited

Railway fares and postal rates will be reduced. Industry will be decentralized.

Revenue rates will be fixed.

Ayurveda will be the national system of medicine.

Anty-ajas will be given high posts in the management of sanitary departments, and the leather and hides and allied trades will be placed in their hands.

Kashmir is part of India and the ruler should maintain his rightful status.

No discriminatory treatment for Bhopa or Hyderabad.

All foreign enclaves will be absorbed.

Will ask for cession of part of East Bengal for the rehabilitation of displaced persons. Evacuee property will also be used to this end.

REVOLUTIONARY SOCIALIST PARTY

(R.S.P. Central Office, 780, Ballimaran, Chandni Chowk, Delhi).

General Secretary, Jogesh Chandra Chatterjee.

Central Executive Committee, Jogesh Chandra Chatterjee, N. Sreekantan Nair, M.P., Tridib Kumar Chaudhuri, M.P., Keshub Prasad Sharma, Pratul Chaudhuri, S. Bhattacharjee, R. Roy, S. V. R. Acharlar, Mukhan Paul, Balrur Sharma, C. Baby John, V. Mahadeshkar.

AIMS AND OBJECTS

R.S.P. is a Marxist-Leninist Workers' and Peasants' Party

It unreservedly accepts the doctrinal aspects of communism as propounded by Marx, Engels and Lenin, differs from the 'Stalinist' or official Communist interpretation of Leninism in terms of Socialism in one country alone. It holds that the International Communist movement directed by Cominform places the exigencies of the foreign policies of the Soviet Union above the interests of the historical demand of the mass movements in those countries.

With regard to India it advocates the policy of complete and radical socialist transformation of the economy of the country, scrapping of the present constitution of India which places all power in the hands of capitalists and landlords and the establishment of a toiling peoples' government representing workers, peasants and lower middle classes but excluding capitalist elements altogether.

It differs sharply from the present policy of the C.P.I. in desisting co-operation with any section of the capitalists which the communists seem to advocate in the name of Peoples' Democracy.

The party also wants the abolition of all forms of landlordism and all intermediate rights between the State and the tillers of the soil and advocates a programme of radical land redistribution.

It similarly wants the immediate nationalisation of all basic and key industries, a highly progressive income tax and estates duty and a policy of rapid industrialisation and planned economy.

It regards the present foreign policy of the Nehru Government as a satellite policy, following in the wake of U.S. imperialism and British Commonwealth from which it wants India to secede.

It opposes Gandhism and Praja Socialism as varieties of social reformism.

Party membership is rigidly selective and is dependent on ideological training and practical work under the guidance of the Party.

Total membership of Party in country, 17,395, with 4.5 lakhs in controlled Trade Unions (United Trades Union Congress) and 6 lakhs in Peasant Organisations (United Kisan Sabha).

Strength in House of People, 2.

Strength in Council of States, Nil.

Total strength in State Legislatures, 8.

Has the largest number of members in the following States, West Bengal, Travancore-Cochin, U.P., Bihar, Delhi, Madras.

Total number of votes polled in the General Elections, about 5 lakhs.

SCHEDULED CASTES FEDERATION

(207, Ghorpade Path, Poona 2)

President N. Sivraj

General Secretary P. N. Rajabhoj, M.P.

Working Committee

N. Sivraj (President), P. N. Rajabhoj, M.P. (General Secretary), B. K. Gaikwad (Bombay), Miss Shanta Dani (Bombay), B. H. Varale (Bombay), Hardas Awode (M.P.), R. V. Kawade (M.P.), A. Ratnam, M.L.A. (Madras), Sheth Full Das (U.P.), Tilak Chand Kureel (U.P.), Kundanmal (Rajasthan), P. Kunjan (Travancore-Cochin), B. S. Mote (Hyderabad).

J. H. Subbalaiah (Hyderabad), J. S. Bansode (M.B.), Gangaram (M.B.), P. M. Swamidoran, M.L.A. (Mysore), C. M. Arumugam (Mysore), Mohan Singh Goll, M.L.A. (PEPSU), E. Vadapathi (Andhra), A. R. Betab (Himachal Pradesh), Hardas Madwar (Madhya Pradesh), Swami Darshanandji (Delhi), Sheth Kisan Das (Punjab), Dr. B. R. Ambekar.

The object of the All India Scheduled Castes Federation is the attainment by the Scheduled Castes of a status as a distinct and separate element in the national life of India and their

political, economic and social rights to which they are entitled by reason of their needs, their number and their importance.

Strength in House of the People, 2.

Strength in the Council of States, 2.

Total strength in State Legislatures, 12.

Has the largest number of members in Bombay,

Madras, Madhya Pradesh and Uttar Pradesh.

Total number of votes polled in General Election House of the People, 25,01,964.

State Assemblies, 18,08,712.

Total, 43,10,700.

THE SIKHS

Broadly speaking there are three groups among the Sikhs. One group forming the main body of the Central Akali Dal is led by Master Tara Singh with Sardar Hukum Singh, a member of Parliament as President. It is in favour of maintaining the separate identity of the Sikh community.

The second group is represented by the Panthic Durbar led by the Maharaja of Patiala. This group favours discarding the separate identity of the Sikhs. In February 1949 the Working Committee of the Durbar held a meeting in Patiala at which it decided not to have a political programme and not to fight elections as a party.

In addition to the Panthic Durbar there is also a large body of Sikhs who follow the Congress or conform to the Congress outlook and think that the Sikh should not have a separate organization. The strength of this section of Sikhs cannot be definitely stated as it fluctuates with the changing fortunes in the Punjab.

The Sikh point of view as such is underlined by two memoranda which are worth quoting. The first is a four-page memorandum presented by Sikh members of the Minorities Advisory

Committee of the now defunct Constituent Assembly to the sub-committee which was specifically set up to consider the Sikh case.

This memorandum can be regarded as the most authoritative statement of the demands made by the Sikhs from time to time since independence. The following demands were set out in the memorandum:

1. To avoid becoming a permanent minority equality of representation must be secured in the Punjab or the boundaries of the State must be so redrawn that the resulting province contains a majority of 'Punjabi-speaking people.'

2. There must be adequate weightage in the Indian Parliament. When the Anglo-Indians, for instance, are given six seats the Sikhs must have proportionate representation.

3. In U.P. and Delhi cognizance must be taken of recent migrations. For instance, in U.P. there would be about 500,000 Sikhs and in Delhi about 100,000.

4. In the Punjab and Central Cabinets there must be a convention which assigns a certain number of seats to Sikhs. One seat must be assured in the Central Cabinet, while

in the Punjab Cabinet if the present boundaries are retained one half of the seats must be allotted to Sikhs.

5. In all committees, commissions and delegations there must be one Sikh.

The theory on which the claims are sought to be justified is that as in undivided Punjab the Sikhs are opposed to communal majority rule. In fact, the opposition is even stronger today because the proportion of Sikhs in the Indian Punjab has increased on account of the partition. Other grounds for justification are Sikh suffering in the cause of undivided India, Sikh contribution to the defence of the country and distribution of the community on the strategic borders of India.

The creation of a Punjabi-speaking State is justified on the linguistic principle which is recognized by the Congress. The new State it is claimed, can be formed by cutting off the Districts of Rohtak, Gurgaon and the Tehsils of Bhiwani and Hansi in the Hissar District.

To make the area more compact the Punjab States could merge with the new province. The Sikhs finally, remind the Congress of its promise to them that the Congress will not be a party to any solution of the communal problem that does not satisfy the Sikhs.

About the same time as Sikh members of the Constituent Assembly handed in their memorandum four Sikh scholars issued a lengthy statement discussing the question of what the Sikhs really wanted.

'Only a little imaginative sympathy is needed,' the statement said, 'to realize the great and unprecedented sufferings of the Sikhs in the recent terrible happenings in the Punjab.' After describing the sufferings the statement added, '.... Almost 40 per cent of the entire Sikh community can be described as refugees in some form or other.'

The statement then goes on to say that being a self-reliant and sturdy people all that

the Sikhs need is opportunity—opportunity to create, construct and thus carve out their prosperity as they did in the old Punjab.

Among the most urgently-needed relief were the following. 1. An announcement that the question of the Gurudwaras left behind in Pakistan was being taken up by the Government of India with the Pakistan Government. The Nankana Sahib Gurudwara should be created a free city like the Vatican. The other Gurudwaras in Pakistan should be administered by the Nankana Sahib authorities. An equivalent of the land attached to the Nankana Sahib and other Sikh shrines in Pakistan should be allotted to the S.G.P.C. in the Punjab thus giving the Sikhs an opportunity to re-

establish their educational and social life; 2. As the worst sufferers among land-holders they should be given a generous share in the new colony areas in Hissar and Karnal Districts to make up for their losses in the colony areas of Pakistan; 3. All Sikh refugees no matter where they come from West Punjab, N.W.F.P., Bahawalpur or Sind should be accommodated in the Punjab. This will provide a homeland for Sikhs in India; 4. In their rehabilitation policy Government should make no distinction between landlords and tenants; 5. To provide houses, work on new townships should be taken in hand immediately, and the site of the new capital of the Punjab should be announced without delay.

ZAMINDAR KISAN SABHA (ZAMINDARA LEAGUE)

(Sonapat, Dist. Rohtak, Punjab).

President, Chander Bhan Chhikara.

Vice-Presidents, Sirl Chand, M.L.A.; Suraj Mal, M.L.C.

General Secretary, S Mohinder Singh Thand.

Secretary, Dharam Singh Rathee.

Office Secretary, Vichatter Singh Malik.

Members of Executive Committee: Maru Singh, M.L.A., Man Singh, Thakur Anang Pal Singh, Sumer Singh, Baru Singh, Maharaj Singh, Col Nuranjan Singh Gill, S. Karam Singh, Rao Lal Singh, M.L.C.

Votes secured in the last election, 412,223

Membership of the party, 350,000

Members in House of People, Nil.

AIMS AND OBJECTS

To safeguard the independence of the country and to establish Panchayet Raj with the village as the basic unit and supreme source of authority

To support Indians abroad in the struggle to obtain rights of citizenship.

To maintain public peace and order.

To acquire complete autonomy in the provincial sphere in all matters set apart for the provinces in the constitution of the country

To encourage the development of all political parties based on economic or vocational principles

To ensure equal opportunity for progress to all sections of society, particularly the peasants and working classes.

To protect freedom of speech, press, conscience and association

To secure special representation in the defence services for the Punjab, keeping in regard its sacrifices and martial traditions

To provide free medical aid and free primary education

To safeguard present legislation for the protection of the backward classes and to get new legislations enacted in their interest.

To develop the economy of the country on voluntary co-operative farming and cottage industry through co-operative societies.

To nationalise key industries with a view to foster and encourage cottage industries.

To effect economy in the administration of the country and protect the public from the burden of heavy taxation.

To provide means of easy credit at cheap interest in the rural areas

To secure legitimate representation in the services for the rural population and backward classes

To secure amenities of life in rural areas in proportion to their numerical strength and the burden they share in taxation.

To secure proper facilities for insurance for crops and cattle wealth

To ensure employment for all.

The party will achieve its aims and objects through democratic and constitutional means as far as practicable.

GENERAL ELECTIONS 1952.*

THE first general elections under the new constitution were divided into three stages. First, there were the elections to the House of the People and the State Legislative Assemblies. After an interval there took place the elections to the upper Houses, the Council of States at the centre and the Legislative Councils in the States. Finally there were the elections of the President of the Union and the Vice-President.

The elections were thus spread over a period of about six months. They started in October (Oct. 25) 1951 and ended in May, 1952.

Here are a few facts pertaining to the constitution (For details see under Constitution):

President—Elected by the elected members of Parliament and the State Legislative Assemblies.

Vice-President—Elected by members of both Houses of Parliament at a joint session.

Council of States—Elected by elected members of State Legislative Assemblies and Electoral Colleges; some nominated by President.

House of the People—Elected on adult suffrage.

State Legislative Council—Elected partly by members of local bodies, graduates, members of State Assembly, and partly nominated by Governor.

State Legislative Assembly—Elected on adult suffrage.

Here are a few more election facts which give some idea of the scale on which the elections were organized:

Stats:

PARLIAMENT—

House of the People	489†
Council of States	216
STATE ASSEMBLIES (22)	3,283
STATE LEGISLATIVE COUNCILS (7)	419
ELECTORAL COLLEGES (3)	90
	4,497

Legislators:

Directly Elected	3,772
Indirectly Elected	546
Nominated	97
	4,415

Number of Constituencies (including Council constituencies) 3,293

Number of Voters—About 176 millions (nearly half are women).

Average Number of Voters per Seat—House of the People 3,60,000 (in Parts A and B States).

State Assemblies 80,000—73,000 (in A or B States).

Total number of candidates—Over 17,000.

Total number of votes cast—211-170 millions.

Polling Booths—2,25,000 (approximate).

Ballot Boxes—Over 2.3 millions.

Ballot Papers—600 millions.

Staff Engaged on Election Work—5,60,000 (approx.).

Maximum Election Expenses—House of the People (Single-Member Constituency) Rs. 25,000; (Multi-Member Constituency) Rs. 40,000; State Assembly (Single-Member Constituency) Rs. 1,000—Rs. 8,000; (Multi-Member Constituency) Rs. 2,000—Rs. 12,000.

Cost—Rs. 10 crores.

(Cost in Part C States wholly borne by Central Government, in Part A and B States the extra cost of the election was shared half and half between Central and State Governments.)

A list of the parties with the symbols allotted is given below: Congress (two bullocks with a yoke), Communist Party (ears of corn with a sickle), Forward Bloc (Marxist) (standing lion), Forward Bloc (Rulkar group) (human hand), Kishak Masdoor Praja Party†† (hut), Hindu Mahasabha (horse and rider), Ram Rajya Parishad (rising sun), Scheduled Castes Federation (elephant), Socialist Party†† (tree).

Here is a list of other approved symbols: spade and stoker, flaming torch, star, cultivator winnowing grain, lamp, bow and arrow, railway engine, cycle, cart, boat, flower, pitcher, ladder, scales, cock, camel.

Many Part B and C States had never experienced an election before.

Everywhere the general elections were different from all previous elections in the following respects: 1. adult suffrage, 2. no communal electorates, 3. all-India scale of the elections, 4. allotment of symbols to candidates, 5. voting by dropping ballot paper in box, 6. canvassing near polling booths forbidden, 7. no election meeting on day of election or on day previous to election, 8. heavy punishment for attempting to create disturbance at meeting, 9. stamping part of voter's body with indelible ink to prevent voter from voting more than once.

A SURVEY

The enthusiasm and discipline displayed by the electorate was extra-ordinary; the State administrations conducted the polls in an able manner.

The present delimitation procedure was "too lengthy and cumbersome" and "unscientific in parts"; modifications for the future would be necessary.

The fact that the delimitation proposals as well as the electoral rolls were based on the 1941 census figures, which were now completely out of date, was itself a major deficiency which would be remedied by working on the latest census returns.

There might also have to be some slight revision in the number of seats allotted to the different State Assemblies.

The electoral rolls would be under constant revision and the omission of some 28 lakh women from the rolls—mostly in Rajasthan and Bihar—on account of the non-disclosure of their names, would be made good.

In some States more women exercised their franchise than men.

Polling was very peaceful and in only six polling stations out of a total of 2,25,000 in the entire country, had polling to be adjourned on account of disturbances. Even the crime-graph had shown a marked drop during the period.

A feature of the elections was that as many as 20 ex-Rulers of princely States were elected to State Assemblies and four to the House of the People. Seven of these were from Madhya Pradesh, five from Orissa and two from Rajasthan. Six Rulers were elected on the Congress ticket and seven were officially labelled independents. Two belonged to the Ram Rajya Parishad and one was a nominee of the Ganatantra Parishad.

Repolling had to be ordered in 348 polling stations, 66 for Parliament and 282 for the Assemblies.

The total number of adjourned polls, including six due to violence, was 62—33 for Parliament and 29 for Assemblies.

Candidates who lost their deposits contributed over Rs. 22 lakhs to the public exchequer.

There were about five candidates for every Assembly or Parliamentary seat on an average, compared to the previous average of three candidates to a seat.

The conduct of these elections during three and half months kept a staff of nearly 5,60,000, some of them specially trained but mostly drawn from teachers, Government servants, employees of local authorities and other public institutions, engaged in manning 2,25,000 polling booths, and then counting over 103.592 million votes in the Assembly elections and over 107.578 millions in the Parliamentary elections.

Villages displayed greater keenness and enthusiasm in the elections than the more "sophisticated" towns. While in villages, polling on the whole reached 60 per cent of the electorate, in towns it was only 40 per cent.

Keenness was most marked among the old, infirm, blind and sick persons, almost a hundred per cent of whom in many cases came out to exercise their franchise. The psychological explanation for this was that these people, frustrated for years, had seized the chance to feel equal with others.

The density of polling varied from 30 per cent in the mountainous parts of Himachal Pradesh, where communications are difficult to over 70 per cent in the highly literate State of Travancore-Cochin.

But in most of the States it was round about 50 per cent.

PARTY POSITION

India's first adult suffrage General Elections passed into history as the world's biggest General Election because: The choosers were 176 million men and women—the world's largest electorate; they chose from among 17,000 candidates representing nearly 75 political parties; and the chosen were 3,293 members to fill 22 State Assemblies and 489 seats to the House of the People.

The electorate voted the Congress Party to power with absolute majority in 18 out of 22 States and also at the Centre. The party was also returned as the biggest single party but short of absolute majority in four State Assemblies.

The General Elections commenced towards the end of October 1951 as already mentioned, in the two mountainous sub-districts of the Himalayan State of Himachal Pradesh. The scene then moved over to the coastal State of Travancore-Cochin at the southern tip in November, and slowly worked towards a climax in January when the bulk of voters went to polls.

Of the representatives selected for the 22 State Assemblies, 2,247 were Congressmen, 121 Socialists, 147 came from the Communist Party and its allies, 77 belonged to the Kisan Masdoor Praja Party, 33 were Jan Sangh nominees, 12 represented the Scheduled Castes Federation, and independents numbered 326.

Successful candidates of other parties annexed 237 seats. These included Jharkhand in Bihar (32), Janata in Bihar (11), Lok Sewak Sangh in Bihar (7), Forward Bloc (Marxist) (18), Ganatantra Parishad (31), Krishahar Lok Party (23), Akalis (33), Peasants and Workers' Party (24), Tamilnad Toilers' Party (19), United Socialist Organisation (8), Muslim League (5), Communist Party of Madras (6), Travancore Tamilnad Congress (8), and Independent Anti-Merger Group in Coorg (9).

Congress Party

The Congress Party, voted to power at the Centre and in 18 States, scored its greatest victories in Uttar Pradesh, the home State of the Prime Minister, and Saurashtra, where it captured 90 per cent of the Assembly seats.

In Bombay, Madhya Pradesh, Bhopal and Delhi it secured over 80 per cent of the Assembly seats. In other States its strength varied from 53 per cent to 77 per cent except in Rajasthan, where it succeeded in securing a bare workable majority winning 81 of the 160 seats.

* Unless otherwise stated Madras throughout this section includes Andhra.

† Another ten are nominated by the President to represent certain administrative areas.

§ Now called Lok Sabha.

†† Now merged into the Praja Socialist Party.

Of the 103,592 million votes cast in Assembly elections, the Congress which won 2,248 of the 3,283 seats it contested, secured 41.96 per cent.

In the four States of Madras, Travancore-Cochin, PEPSU and Orissa, the Party was returned as the largest single party though not in absolute majority.

In Orissa, the Party was three short of an absolute majority.

The challenge to the Congress in the southern States of Madras and Travancore-Cochin came from the Communists and their allies and the K.M.P. Party.

But in the north-western border State of Rajasthan, formed by the integration of ten former Princely States of Rajputana and in the eastern State of Orissa, enlarged in area by the merger of 24 former States, the challenge came from the former Rulers, big landlords and allied forces.

In PEPSU the main rival of the Congress was the Shiromani Akali Dal, an organisation of the Sikhs, which captured 19 of the 60 seats in the Assembly as against 25 won by the Congress.

In Orissa, the Ganatantra Parishad, led by the Maharaja of Patna, secured 31 seats, its successes being more marked in Bolangir and Kalahandi Districts, former State areas, and the Koraput District, comprising former Jeypur State.

In Raja-Than jagirdars and former Rulers contesting either as Independents or on the tickets of Jan Sangh, Ram Rajya Parishad and Hindu Mahasabha upset the calculations of the Congress Party and together secured 62 seats.

In Madras the Congress obtained just over 40 per cent of the seats polling 34.6 per cent of the total of 19,229 million votes cast.

Six of the Ministers, including the Chief Minister, failed to find favour with the electorate in the State which provided some of the biggest election surprises.

Leaders of other parties were equally luckless in Madras.

In Travancore-Cochin, the Party obtained just over 40 per cent of 108 Assembly seats with the aid of 35.1 per cent of the total of 3,403 million votes cast.

Communist Party

Next to the Congress the Communist Party and its allies secured the largest number of seats in the Assembly elections. They gained 181 seats out of 587 seats they contested, and their nominees obtained 6.04 per cent of the total votes cast.

The party had notable success in Travancore-Cochin, Madras, Hyderabad and in the Part C State of Tripura on the Burma border.

Contesting mostly as Independents, Communists in Travancore-Cochin combined with the Revolutionary Socialist Party and the Kerala Socialist Party to form the United Front of Leftists and secured 32 seats.

In the States of Madras, the Communists won 61 seats in the Assembly.

In Hyderabad contesting on the ticket of the Peoples' Democratic Front, they annexed 42 seats and in West Bengal 28 seats.

In the elections to the Electoral College in Tripura, the small Chief Commissioner's State the Communists and Independents contesting with the support of the party secured an absolute majority gaining 16 of the 30 seats.

The Communist Party failed completely in Bihar, Madhya Pradesh, Madhya Bharat, Rajasthan, Saurashtra and Uttar Pradesh, where it drew completely blank though it put up 110 candidates in these States.

Other Parties

The Socialist Party* which contested the largest number of seats after the Congress was generally luckless with the electorate.

Of the 1,793 candidates who contested the Assembly elections on the party ticket, only 126 were returned. The Party candidates, however, polled 9.62 per cent of the total votes cast in the Assembly elections.

The largest block of the Socialists returned was in Bihar, home State of their leader Mr. Jayaprakash Narayan, where they won 23 of the 284 seats they contested for the 330-member Assembly.

The other States where they secured a fair number of returns were Uttar Pradesh (18), Madras (13), Travancore-Cochin (1), Vindhya Pradesh and Hyderabad (11 each), Orissa (10) and Bombay (9).

The worst defeats for the party came from West Bengal, the Punjab and PEPSU where they failed to secure any seat.

In West Bengal, the party set up 79 candidates, 45 of whom lost their deposits. In the Punjab and PEPSU they had 31 and 17 candidates respectively.

Of other all-India parties in the election field, the Kisan Mazdoor Praja Party* of Acharya Kripalani, obtained 78 of the 945 seats they contested. The votes polled by the Party's candidates run to 4.91 per cent of the total votes polled.

This party's main successes came from Madras (35), West Bengal (15), and Mysore (8).

The returns in Madras were just over 27 per cent of the 83 seats the Party contested, but its leader, Mr. T. Prakasam, a former Chief Minister of Madras could not get elected to the Assembly.

The gains in Bengal were nearly 12 per cent of the seats contested.

The Jan Sangh founded by the late Shyama Prasad Mookerjee obtained only 35 seats of the 732 it contested.

The Party got 2.73 per cent of the total poll. Nine of its successes came from West Bengal and eight from Rajasthan.

But the party suffered a complete rout in the Punjab, which was considered one of its strongholds, and none of the 65 candidates it put up topped the polls in any Assembly seat.

The Ram Rajya Parishad and the Hindu Mahasabha fared no better, the Sabha winning 20 of the 206 seats it contested and the Parishad 32 of the 304 it contested.

In terms of votes, the Parishad secured 1.17 per cent and the Sabha 0.82 per cent of the total poll.

The Scheduled Castes Federation, which under the leadership of Dr. B. R. Ambedkar, a former Law Minister of the Government of India, on its own and in some places in alliance with other parties contested 73 seats but got just a dozen. But it secured 1.63 per cent of the total poll.

The Peasants' and Workers' Party, which obtained 26 seats in Bombay, Hyderabad and Madhya Pradesh, got 1.04 per cent of the votes while Independents got 20.17 per cent. of the total poll.

Other parties, mostly regional, together polled 8.32 per cent. of the total votes. Invalid votes accounted for nearly 1.08 per cent of the total poll.

Two hundred and eighty-seven Independents out of 5,661 who contested were returned to the 22 State Assemblies, which is the largest number after the Congress Party.

The Madras electorate returned the largest number—83, while in Rajasthan Independents returned number 35.

Every other State Assembly had among its members a few Independents whose number varied from two in Vindhya Pradesh and Saurashtra to 19 in the Punjab except in Coorg, where none of the 10 independent candidates, who contested two seats, found favour with the electorate.

SOME GENERAL FEATURES

The total number of deposits forfeited was 9,067, the money realized being Rs. 22,80,350.

Sixty-six women contested the elections to Parliament, and 216 to State Assemblies and Electoral Colleges. Of these 19 were elected to the House of the People, 14 to the Council of States, and 82 to the various State Assemblies and Electoral Colleges.

Ten members were returned unopposed to the House of the People; the number of straight contests was 43; the number of triangular contests 82; the rest (348) involved more than three candidates.

The highest vote in an election to the House of the People was polled by Ravi Narayana Reddi (P.D.F.) from Nalgonda in Hyderabad—309,162; the lowest vote was polled by Panchu Gopal Sen (Ind.) from Calcutta North-west—759.

The highest percentage of vote was secured by Muchaki Kesa (S.T. Ind.) from Bastar, Madhya Pradesh—83.0, the lowest percentage was polled by Panchu Gopal Sen (Ind.) from Calcutta North-west—0.5.

In the elections to the State Assemblies and Electoral Colleges 61 members were returned unopposed, in 267 constituencies there was a straight fight; in 411 there were triangular contests, and in the rest (2,631) there were more than three candidates.

The highest vote in an election to a State Assembly or Electoral College was secured by Nadimpalli Ramabhadraraju (K.M.P.P.) from Amalapuram in Andhra 80,180; the lowest vote was polled by Surinder Nath (Ind.) from Patiala City, PEPSU—20.

The highest percentage of vote was secured by Kiranmala Devi (C.P.I.) from Khowal-Kalyanpur, Tripura 96.8, the lowest percentage was polled by Surinder Nath (Ind.) from Patiala City, PEPSU—0.09.

In addition to the 72 reserved seats for the Scheduled Castes in the House of the People one Scheduled Caste member was elected (B. S. Murthy K.M.P.P., from the Eluru Constituency of Andhra).

In addition to the 477 reserved seats for the Scheduled Castes in the State Assemblies three Scheduled Caste members were elected: 1. Gangadhar Naskar (C.P.I.) from Bhangore, West Bengal, 2. Gangapada Kuor (K.M.P.P.) from Keshpur, West Bengal, 3. Devjiappan Kangany (T.T.N.C.) from Devicolum-Peermade, Travancore-Cochin.

Seven Rulers contested the elections to the House of the People. Of these four were elected.

Twenty-two Rulers contested the elections to the State Assemblies. Of these twenty were successful.

Below are given the names of the Rulers who successfully contested seats in the House of the People, the State in which the constituency lay, and the party affiliations:

1. Raja Anand Chand of Bilaspur (Bilaspur: Ind.);
2. Maharaja Rajendra Narayan Singh Deo of Patna (Orissa: Ganatantra Parishad);
3. Maharaja Karni Singhji Bahadur of Bikaner (Rajasthan: Ind.);
4. the late Maharaja Hanwant Singhji of Jodhpur (Rajasthan: Ind.).

The twenty Rulers who succeeded in the elections to the State Assemblies are as follows:

1. Malajirao alias Nanasahab Naik Nimbalkar of Phaltan (Bombay: Con.);
2. Vijayasingharao Ramrao Dafe of Jath (Bombay: Ind.);
3. Raja Bahadur Birendra Bahadur Singh of Khalagarh (Madhya Pradesh: Con.);
4. Maharaj Ramanuj Saran Singh of Surguja (Madhya

* Now Praja Socialist Party.

Pradesh: Con.); 5. Raja Lalit Kumar Singh of Raigarh (Madhya Pradesh: Con.); 6. Raja Bijai Bhushan Singh of Jashpur (Madhya Pradesh: R.R.P.); 7. Maharajadhiraj Bhanu Pratap Deo of Kanker (Madhya Pradesh: Ind.); 8. Raja Saheb Chandra Chur Prasad Singh of Udaipur (Madhya Pradesh: Con.); 9. Raja Naresch Chandra Singh of Saranagarh (Madhya Pradesh: Con.); 10. Mahant Rituparana Kishore Das of Chhulkhadan (Madhya Pradesh: Ind.); 11. Raja Bahadur Leeladhar Singh of Sakli (Madhya Pradesh: Ind.); 12. Raja Bahadur Kishore Chandra Deo Bhanj of Daspalla (Orissa: Con.); 13. Raja Sahib Harthar Singh Mardaraj Bhramarbar Deo of Khandpara (Orissa: Ind.); 14. Raja Saheb Krishna Chandra Singh Mandhata of Nayagarh (Orissa: Ind.); 15. Maharaj Pratap Kishore Deo of Kalahandi (Orissa: Ganatantra Parishad); 16. The late Maharaja Hanwant Singhji of Jodhpur (Rajasthan: Ind.); 17. Thakore Chandra Singhji of Dhrol (Saurashtra: Ind.); 18. Nawab Mohd. Iftikharali Khan of Malerkotla (PEPSU: Ind.); 19. Raja Kausalendra Pratap Bahadur Singh of Kothi (Vindhya Pradesh: R.R.P.); 20. Raja Harendra Sen of Keonthal (Himachal Pradesh: Ind.).

The Rulers who contested seats in the House of the People and failed are:

1. Maharaja HimmatSinghji Dowlatsinghji of Idar (Bombay: Ind.); 2. Thakur Dharamraj Singh of Kawardha (Madhya Pradesh: R.R.P.); 3. Maharaja Aditya Pratap Singh Deo of Seraikella (Orissa: Ganatantra Parishad).

The Rulers who contested seats in State Legislative Assemblies and failed are:

1. Ranjitsinghji Prithvisinghji Parmar of Sudasana (Bombay: Ind.); 2. Lakshman Singh of Durgapur (Rajasthan: Ind.).

The following account is based on an analysis made by the All-India Congress Committee:

Total number of elections declared void by Tribunals upto July 1953	103
Number of by-elections to the House of the People	15
Number of by-elections to State Assemblies and Electoral Colleges	97

In all 15 by-elections were held to the House of the People. The Congress, contesting 14 of them, retained seven out of 11 it had won during the General Elections.

The other seats were won by the Praja Socialist Party (5), the Hindu Mahasabha (1), the Forward Bloc (1) and Independent (1).

The votes polled by the Congress in the by-elections to the House of the People worked out to 45.4 per cent. as against 48.9 per cent. in those constituencies in the General Elections.

Dr. Rajendra Prasad was elected President on May 6, 1952. The election started on May 2, and the results were declared on May 6. Dr. Prasad was sworn in as President on May 13.

The votes polled by the candidates for the Presidency were as follows: Dr. Rajendra Prasad, 2,896; Prof. K. T. Shah, 561; Mr. L. G. Thattai, 13; Mr. Chaudhri Hari Ram, 11; Mr. K. K. Chatterji, 5; total valid votes cast 3,486; invalid votes 73. The total electorate was 4,067.

In order to secure as large a degree of uniformity as possible in the scale of representation of the different States in the Presidential election, the Constitution lays down a formula for assigning weights to the votes cast by individual members on the basis of the populations of the States they represent.

Each vote cast by any one of the 689 members of Parliament has, under this formula, to be multiplied by 494, while the 3,358 votes cast by members of the State Legislatures have to be

Unopposed Returns

The names and constituencies of the 57 members returned uncontested are given below:

Assam (3): Harison Momin (ST) (Bagmara); Hakim Chandra Rabha (ST) (Goalpara); Davidson Bhobora (ST) (Con.) (Panery).

Bihar (1): Muhammad Tahir (Amour).

Bombay (4): Bhaljibhai Garbadbhai Tadvil (ST) (Con.) (Chhota Udaypur); Bhulabhai Dulabhai Tadvil (ST) (Con.) (Naswadi); Nisarta Virsengbhai Kanjibhai (ST) (Con.) (Sehara-Lamkhada-East Baria); Solanki Purshotam Jethabhai (ST) (Con.) (Prantiy-Bayed-Malpur).

Madhya Pradesh (7): Pritam Kurrey (SC) (Mandera Garh); Thakur Parasnath (ST) (Ambikapur); Rameshwar Arjun (ST) (Con.) (Narayanpur); Rajman (ST) (Kerkal); Boda Dara (ST) (Dantewara); Pilloo Jagru (ST) (Sukma); Hirasah (Con.) (Bijapur).

Madras (3): A. K. Subbaraya Gounder (Con.) (Kangayam); Kanikpatti Veeranna Padal (ST) (K. L.) (Golgondal); V. Srungaram (ST) (Chittoor).

Orissa (5): Mudi Nalko (ST) (Con.) (Naurangpur); Arkhita Nalk (ST) (Con.) (Angul-Hindol); Surendra Singh (SC) (Con.) (Baripada); Balidhar Nalk (SC) (Pal-Lahara-K. Nagar); Jadab Padra (ST) (Halgudga).

Punjab (1): Mohammed Yasir Khan (Con) (Ferozepur Jhirka).

West Bengal (1): Debendra Brahima Mandal (ST) (Alipour-Duara).

Hyderabad (2): Srinatni Shajithan Begum (Parpa); Veeraswami (SC) (Kotdangal).

Madhya Bharat (1): Jeta (ST) (Saulana).

AN ANALYSIS OF BY-ELECTIONS

Of the votes polled by the other parties, those of the Praja Socialist Party showed a rise from 21.1 per cent to 33.7 per cent.

The percentage of total votes polled by Hindu Mahasabha, the Jan Sangh and the Ram Rajya Parishad fell from 5.5 to 3.2, the percentage polled by the Independents from 16.5 to 8, and other parties from 7.5 to 5.8.

The four seats lost by the Congress were: two in Bihar, one in Madhya Pradesh and one in Madras.

There were 97 by-elections to the State Assemblies. Of these the Congress won 50 as against 49 it held after the General Elections in those constituencies.

The other seats were won by the P.S.P. (21) and other parties, including Independents (26).

PRESIDENT AND VICE-PRESIDENT

multiplied by different weights ranging from 145 and 104 in the case of Madras and Bombay respectively, to 31 for Delhi and seven in respect of Coorg.

With the assignment of these values the voting would be as follows: Dr. Rajendra Prasad, 507,400 votes out of a possible total of 690,557. The votes secured by the other candidates: Prof. K. T. Shah, 92,827; Mr. L. G. Thattai, 2,672; Mr. Chaudhri Hari Ram, 1,954; and Mr. K. K. Chatterji, 533. The number of invalid votes was 10,527.

Five hundred and thirty-nine out of the 689 members of Parliament voted for Dr. Prasad and 83 for Prof. Shah.

A State-wise analysis of voting shows that Dr. Prasad secured a majority of votes in all the States. Only in one State, PEPSU, was the voting equally divided between Dr. Prasad and Prof. K. T. Shah, both receiving 26 votes each.

Mysore (1): T. Channiah (SC) (Mulbagal-Srinivasapur).

PEPSU (1): Ranjit Singh (SC) (Kandaghat).

Rajasthan (5): Deenbandhu Bhill (ST) (Saura); Lakshman Bhill (ST) (Sarada-Salumber); Jai Chand (SC) (Badli Sadri-Kapaur); Hari Ram (ST) (Con.) (Bagdora); Sampat Ram (SC) (Lachhmangarh-Rajgarh).

Saurashtra (3): Vankar Hamir Jiva (SC) (Soc) (Limdi-Wadhvan); Maniar Lalooabhai Kishoredas (Con.) (Talaja-Datha); Abdullah Hamir Kajedia (Morvi-Malia).

Bhopal (1): Keshri Mal Jain (Con.) (Ichhawar).

Delhi (1): Bhagat Amin Chand (SC) (Ind.) (Reading Road).

Vindhya Pradesh (1): Rilli Chamar (SC) (Tikamgarh).

Travancore-Cochin (4): Dr. P. T. Thomas (Con) (Vijayapuram); D. Kesavan Sastri (SC) (Con) (Changanacherry); K. P. Nilakanta Pillai (Soc) (Tamanapuram); N. Cherian (Con.) (Kallupara).

Himachal Pradesh (2): Jivnu (SC) (Con.) (Pachhad); Partap Singh (SC) (Renka).

Kutch (2): Maneklal Nensal (Con) (Adhvi); Hetubha Ravaji (Con) (Chachan).

Manipur (2): Shinnam Bijoy (Jiri); Susia (All-Manipur National Union) (Ukhrul).

Tripura (6): Sudan Chandra Deb Barma (Comm.) (Apatala-Sadar III); Aghore Chandra Deb Barma (Comm.) (Charitiam); Bir Chandra Deb Barma (Ganatantrik Sangha) (Takaryala); Pyari Mohan Jang (Con) (Dumbarnagar); Gari Meah (Con) (Birgang); Kala Mia (Con) (Sonamura North).

Of the 97 seats, the Congress contested 87. It retained 31 old seats and gained 19 new ones—three from the P.S.P., four from the Communists, one from the Jan Sangh, one from the Hindu Mahasabha, seven from Independents and three from Janata (Bihar).

Eighteen seats, which the Congress lost in the by-elections were annexed by the P.S.P. (9), Communists (2), Jan Sangh (2), Hindu Mahasabha (1) and Independents (4).

The percentage of votes polled by the Congress in the State Assembly by-elections rose from 37.1 to 47.

Of the other parties, the Communists showed a sizeable increase—from 8.5 to 13.5 per cent. The percentage polled by the P.S.P. rose from 18.1 to 18.2, that of Jan Sangh, Hindu Mahasabha and Ram Rajya Parishad fell from 4.1 to 3.7, Independents from 23.8 to 12.6 and other parties, including regional parties from 8.1 to 7.

In Madras, Dr. Prasad secured 197 votes against 141 cast for Prof. Shah. In Travancore-Cochin, the corresponding figures are 55 and 36, in Hyderabad 96 and 48, in West Bengal 149 and 47, in Orissa 68 and 46, in Bombay 266 and 24 and in Delhi 40 and 3.

All the 62 votes in Kashmir and the entire 22 votes in Coorg were cast in favour of Dr. Prasad.

Two detenus voted by postal ballot.

The results declared are on the basis of first preference votes, as Dr. Prasad secured an absolute majority at the first count.

Dr. Sarvapalli Radhakrishnan was elected Vice-President without a contest on April 28, 1952 as he was the only candidate. He was sworn in as Vice-President on May 13.

The new Government of India Cabinet was also sworn in on the same day.

HOUSE OF THE PEOPLE* GENERAL ELECTION

House of the People* ..	489
Congress ..	362
Majority over others ..	235
Total votes cast ..	10,598 million
Invalid ..	205,200 (one per cent)

The Communists and allied parties won 28 seats, Socialists 12, K.M.P.P. 9, Jan Sangh 3, Hindu Mahasabha 4, Ram Rajya Parishad 3, Peasants' and Workers' Party 1, Scheduled Castes' Federation 2, Ganatantra Parishad 5 and Independents 41.

Of the remaining seats, the Jharkhand of Bihar, led by Mr. Jaipal Singh, M.P., won 3, Lok Sewak Sangh, another organisation from Bihar 2, Akali Dal 2, Tamilnad Toliers' Party of Madras 4, Commonweal Party of Madras 3, the Revolutionary Socialist Party 2, the Krishikar Lok Party of Prof. N. G. Ranga, the Forward Bloc and the Muslim League one member each.

The Indian Electorate chose its 489 representatives from among 1,871 candidates. There was contest for only for 470 seats, ten members—seven Congressmen, two Independents and one K.M.P.P. candidate having been returned unopposed to the House.

Parliamentary elections were held simultaneously with Assembly and Electoral college elections in 20 States.

A striking feature of the elections was the defeat of some of the top men of all political parties, including the Congress, as also that of some well-known unattached Parliamentarians.

Besides the Congress President, Mr. Nehru, the only other head of an all-India political organisation who was successful was the late Dr. Shyama Prasad Mookerjee, President of the Jan Sangh.

The list of "casualties" included Mr. Asoka Mehta, General Secretary of the former Socialist Party and Mr. Kamaladevi Chattopadhyaya, another prominent Socialist leader, Dr. B. R. Ambedkar a former Law Minister of the Government of India and leader of the Scheduled Castes' Federation, Prof. N. G. Ranga, President of the Krishikar Lok Party, Acharya Kripalani, then chief of the K.M.P.P., Mr. S. A. Dange, Communist leader from Bombay, Dr. N. B. Khare, President of the All-India Hindu Mahasabha, Mrs. Prabhavati Raju, President of the Ram Rajya Parishad, Mr. K. M. Jedge, then leader of the Peasants' and Workers' Party.

Among prominent Congressmen who lost in the elections were Mr. K. Santhanam, Minister of State for Railways, who has since been appointed Lieutenant-Governor of Vindhya Pradesh, Mr. M. Thirumal Rao, Deputy Minister for Food and Mr. Raj Bahadur, Deputy Minister for Communications.

The first two lost to Communists in Madras, while Mr. Raj Bahadur was defeated by an Independent in Rajasthan.

All other members of the then Central Government—all the eleven members of the Cabinet, four Ministers of State and six Deputy Ministers who contested the elections—were returned to the House.

Outside the Ministerial fold a notable Congress defeat was that of Mr. Khandubhai Desai, then President of the I.N.T.U.C who lost to an Independent in Bombay State.

Among candidates who contested as Independents, the outstanding defeats were those of Pandit Hirday Nath Kunzru, an elder member of the present Parliament and Mr. H. V. Kamath.

Mr. Nehru was elected from his home district of Allahabad. The Congress President polled 238,571 or roughly 64 per cent of the votes cast for the general seat in his constituency.

But the highest poll recorded in Parliamentary elections was 309,162 votes obtained by the communist, Mr. Ravi Narayana Reddi, which was about 78.6 per cent of the total votes cast for the general seat in the Nalgonda constituency in Hyderabad.

Among notable newcomers on the Congress ticket were: Mrs. Vijayalaxmi Pandit and Mr. V. V. Giri.

The new House also includes Mr. Harindranath Chattopadhyaya, poet, and Dr. Meghnad

Saha, a scientist, who was the only successful nominee of the United Socialist Organisation.

The Congress Party was composed of 291 members from 9 Part A States, 56 from Part B States and 1 from Part C States.

The Party had cent per cent success in Saurashtra where it won all the 60 seats and from Kutch where it got all the three seats.

The Congress scored heavily in seven other States—Uttar Pradesh, where it won 81 of the 88 seats, the Punjab 16 out of 18, Bombay 40 out of 45, Assam 11 out of 12, Madhya Bharat 9 out of 11, Mysore 10 out of 11 and Madhya Pradesh 27 out of 29.

Its main reverses came from Madras where it secured only 35 of the 75 seats, from Travancore-Cochin where it won only half of 12 seats, from Rajasthan where only nine Congressmen were returned and eleven seats lost, and from PEPUS which voted for only two Congressmen though the Party made a bid for all the five seats.

In the border State of Tripura, Congressmen lost both the House of the People seats to Communists.

The Socialist Party, which contested the largest number of seats next to the Congress—namely 254—secured only a dozen seats. Its candidates polled nearly 10.50 per cent of the total votes. From the nine Part A States which filled in 302 seats, the party won only nine, while from the seven Part B States its only success came from Hyderabad. The other two successes were recorded in Part C States.

The Party drew blank in West Bengal, Madhya Pradesh, Rajasthan, the Punjab, Travancore-Cochin, Bombay and Madhya Bharat where it had put up in all 81 candidates.

The Communists and their allies form the largest single opposition block in the House with their 23 members. Seventy of them contested the elections and polled 4.45 per cent of the total votes cast, and just as in the Assembly elections, their success came mainly from Madras, Travancore-Cochin, West Bengal, Hyderabad and Tripura, which together returned 23 members.

The K.M.P.P. which made a bid for 146 seats won only 9 seats. Its nominees scored 5.81 per cent of the total votes cast.

Only three of the 93 Jan Sangh candidates were successful, the party nominees obtaining 3.05 per cent of the total poll.

The Hindu Mahasabha successes were four out of 31 seats it contested, and the Ram Rajya Parishad won three of the 61 contested. In terms of votes Hindu Mahasabha nominees accounted for 0.91 per cent of the votes and the R.R.P. 1.98 per cent.

The All-India Scheduled Castes Federation was successful in only two of the 34 constituen-

cies where it put up its candidates. They obtained 2.30 per cent of the total votes. The party's general secretary, Mr. P. N. Rajbhoj, as also Mr. S. S. More, General Secretary of the All-India Peasants' and Workers' Party, who contested from the same double member constituency in Sholapur in Bombay State were successful.

The 16 candidates of the Peasants' and Workers' Party of whom two were elected, obtained 0.98 per cent of the total poll.

524 Independent candidates who contested the elections had 15.90 per cent of the votes cast in their favour but only 41 of them were returned to the House. Fifteen of these successful candidates came from Madras, six from Rajasthan, three from Bombay, and two each from Madhya Pradesh and Orissa.

The number of candidates put up by other parties in the field was 166 of whom 24 were successful. Between them these 166 candidates obtained 6.30 per cent of the total poll.

PERCENTAGE OF VOTES POLLED

The following table shows the percentage of the votes polled to the total electorate both in the elections to the House of the People as well as to the State Assemblies and Electoral Colleges.

State	Percentage of the votes polled to the total electorate.	
	House of the People	Assemblies & Electoral Colleges
Assam	49.18	50.24
Bihar	41.03	40.91
Bombay	56.35	57.02
Madhya Pradesh ..	47.11	46.03
Madras	56.50	56.57
Orissa	34.05	34.56
Punjab	56.05	55.87
Uttar Pradesh ..	38.98	39.33
West Bengal ..	44.78	43.48
Hyderabad ..	42.84	43.16
Madhya Bharat ..	36.18	35.73
Mysore	53.14	52.89
PEPSU	59.20	59.43
Rajasthan	41.08	40.77
Saurashtra ..	42.20	48.28
Travancore-Cochin ..	70.80	69.37
Ajmer	54.27	52.24
Bhopal	40.35	37.31
Coorg	67.46	65.87
Delhi	57.72	58.95
Himachal Pradesh ..	26.26	26.68
Vindhya Pradesh ..	30.23	29.61
Kutch	41.46	40.02
Manipur	50.75	46.67
Tripura	48.41	39.49

PARTY POSITION

The following table shows the position in the House of the People resulting from the general election :

Parties	Valid votes polled	Percentage to total valid votes polled	Seats Won
Congress	47,528,911	44.85	362
Socialist	11,126,344	10.50	12
Kisan Mazdoor Praja Party	6,158,782	5.81	9
Communist Party of India & People's Democratic Front ..	4,712,009	4.45	23
Jan Sangh	3,256,361	3.05	3
Scheduled Castes Federation	2,501,964	2.30	2
Ram Rajya Parishad	2,094,811	1.98	3
Krishikar Lok Party	1,489,488	1.40	1
Hindu Mahasabha	1,046,263	0.91	4
Forward Bloc (Marxist)	988,272	0.90	1
Revolutionary Socialist Party of India	393,984	0.37	2
Forward Block (Bulkar)	133,936	0.13	—
Revolutionary Communist Party of India	26,245	0.02	—
Bolshevik Party	25,792	0.02	—
Other Parties†	7,678,662	7.27	26
Independents	16,845,494	15.90	41
Total	105,987,316	99.86	489

† Other Parties include :

Bihar : Jharkhand Party 3 ; Lok Sewak Sangh 2 ; Chotanagpur Santhal Parganas Janata Party 1.

Bombay : Peasants' & Workers' Party 1.

Madras : Tamilnad Toliers' Party 4 ; Commonweal 3 ; Madras Muslim League 1.

Orissa : Ganatantra Parishad 5. Punjab : Akali Party 2.

Hyderabad : Peasants' & Workers' Party 1. PEPUSU : Akali Party 2.

Travancore-Cochin : Travancore-Cochin Tamilnad Congress 1.

* Now called Lok Sabha.

PARTY RECORD

The following table shows the valid votes polled by each party, the percentage to the total poll and the number of seats won in the elections to the State Assemblies :

Parties	Valid votes polled	Percentage to total valid votes polled	Seats Won
Congress	43,950,265	42.34	2,247
Socialist	10,072,316	9.70	125
Communist Party of India & People's Democratic Front	5,463,338	5.25	147
Kisan Masdoor Praja Party	5,291,777	5.10	77
Jan Sangh	2,017,830	2.81	33
Scheduled Castes Federation	1,808,742	1.74	12
Ram Rajya Parishad	1,261,135	1.21	32
Krishikar Lok Party & Khedut Sangh Lok Paksh, Bombay	1,126,288	1.08	23
Hindu Mahasabha	858,899	0.83	20
Forward Bloc (Marxist)	853,810	0.82	18
Revolutionary Socialist Party of India	249,114	0.24	6
Forward Bloc (Ruikar)	181,664	0.18	2
Revolutionary Communist Party of India	33,522	0.03	—
Bolshevik Party	27,731	0.02	—
Other Parties	7,730,131	7.45	212
Independents	21,974,210	21.17	326
Total	103,800,772	99.97	3,280

NOTE : Elections to 3 seats in Assam State Legislative Assembly had not been held.

The following table shows the same particulars for the Electoral Colleges :

Congress	116,831	38.32	47
Communist Party of India	60,631	17.83	14
Socialist	13,658	3.56	1
Forward Bloc (R)	2,775	0.72	—
Other Parties	85,506	22.31	19
Independents	73,727	19.25	9
Total	383,128	99.99	90

VALID VOTES POLLED

This table and the next show the votes polled by each party in the Parts A and B States in the general elections to the House of the People :

State	Congress 1	Socialist 2	KMPP 3	CPI 4	Jan Sangh 5	SCF 6	RRP 7	KLP 8	Hindu Mahasabha 9
Assam	1,210,707	506,043	265,687	—	96,303	—	—	—	—
Bihar	4,573,059	2,087,677	339,539	39,272	39,939	—	80,161	—	19,225
Bombay	5,781,277	1,573,409	639,788	14,383	—	511,028	201,486	164,569	—
M. Pradesh	3,713,637	877,392	411,711	29,422	355,356	316,302	396,661	—	22,286
Madras	7,252,781	1,055,415	1,952,465	1,780,301	—	521,138	15,403	968,339	15,558
Orissa	1,601,687	563,462	52,654	211,303	—	—	—	—	—
Punjab	2,134,588	185,446	41,795	251,623	279,639	239,064	128,219	—	43,229
U.P.	9,047,382	2,208,685	836,129	59,699	1,244,085	492,121	606,030	—	325,601
W. Bengal	3,205,162	152,299	679,149	720,304	452,278	—	13,110	—	324,870
Hyderabad	1,945,798	651,316	—	PDF 1,367,404	—	308,591	—	—	—
M. Bharat	992,169	268,399	4,648	24,716	188,569	—	278,475	—	122,213
Mysore	1,509,075	181,430	650,658	73,322	117,470	—	—	—	—
PEPSU	492,406	88,222	39,749	—	43,349	—	—	—	—
Rajasthan	1,460,998	118,287	31,443	5,490	107,104	44,171	330,760	356,580	35,338
Saurashtra	506,112	36,980	32,193	—	—	—	—	—	99,311
Trav.-Cochin	1,070,700	459,669	—	—	—	—	—	—	—
Total	46,497,490	10,965,081	5,977,608	4,677,239	2,924,092	2,435,415	2,050,805	1,489,488	1,007,680

VALID VOTES POLLED—(contd)

State	Forward Bloc (M) 10	RSPI 11	Forward Bloc (R) 12	RCPI 13	Bolshevik 14	Other Parties 15	Independents 16	Total valid votes polled 17
Assam	—	—	—	—	—	203,817	363,670	2,647,127
Bihar	133,320	—	—	—	—	1,422,376	1,256,884	9,991,452
Bombay	70,266	—	—	—	—	1,079,284	1,492,801	11,528,291
M Pradesh	—	—	34,137	—	—	177,381	858,407	7,192,501
Madras	312,196	—	18,061	—	—	1,366,949	4,646,913	19,928,519
Orissa	—	—	—	—	—	944,792	291,495	3,705,393
Punjab	66,765	—	—	—	—	999,874	622,097	4,992,339
U P	—	64,791	—	—	—	211,519	1,978,915	17,074,957
W Bengal	344,233	108,881	81,738	26,245	25,792	71,510	1,408,361	7,613,932
Hyderabad	—	—	—	—	—	185,168	396,585	4,854,862
M. Bharat	—	—	—	—	—	—	74,392	1,953,571
Mysore	—	—	—	—	—	—	292,472	2,824,427
PEPSU	41,482	—	—	—	—	549,182	280,110	1,475,112
Rajasthan	—	—	—	—	—	6,390	1,029,403	3,525,964
Saurashtra	—	—	—	—	—	29,766	58,311	762,706
Trav. Cochin	—	220,312	—	—	—	320,911	1,118,874	3,490,466
	988,272	393,984	133,936	26,245	25,792	7,599,219	16,470,023	103,561,709

These two tables show the votes polled by each party in the Part C States in the general elections to the House of the People

State	1 Congress	2 Socialist	3 KMPP	4 CPI	5 Jan Sangh	6 SCL	7 RRP	8 KLP	9 Hindu Mahasabha
Ajmer	89,761	—	—	25,128	28,990	—	13,624	—	—
Bhopal	97,292	3,329	—	—	—	—	—	—	34,712
Bilaspur	—	—	—	—	—	—	—	—	—
Coorg	38,063	—	—	—	—	—	—	—	—
Delhi	324,214	—	47,735	—	169,997	22,702	4,286	—	3,921
H. Pradesh	88,585	16,780	27,368	—	23,918	18,988	—	—	—
V. Pradesh	238,215	106,847	106,071	—	79,761	24,859	26,596	—	—
Kutch	78,771	5,985	—	—	—	—	—	—	—
Manipur	36,317	28,372	—	13,184	—	—	—	—	—
Tripura	40,263	—	—	96,458	9,663	—	—	—	—
B.F.	1,031,481 46,497,130	161,313 10,965,031	181,174 5,977,608	134,770 4,577,239	312,269 2,921,092	66,549 2,435,415	44,506 2,050,305	— 1,489,488	38,633 1,007,630
Total	47,528,911	11,126,344	6,158,782	4,712,009	3,236,361	2,501,964	2,094,811	1,489,488	1,046,263

State	10 FB (M)	11 RSPI	12 FB (R)	13 RCPI	14 Bolshevik	15 Other Parties	16 Independents	17 Total valid votes polled
Ajmer	—	—	—	—	—	10,778	10,718	178,999
Bhopal	—	—	—	—	—	8,808	25,316	169,457
Bilaspur	—	—	—	—	—	—	—	—
Coorg	—	—	—	—	—	—	25,750	63,818
Delhi	—	—	—	—	—	—	83,045	655,900
H. Pradesh	—	—	—	—	—	—	47,550	223,189
V. Pradesh	—	—	—	—	—	—	128,544	705,833
Kutch	—	—	—	—	—	—	34,824	119,680
Manipur	—	—	—	—	—	59,857	13,737	151,467
Tripura	—	—	—	—	—	—	10,987	157,371
B.F.	988,272	393,984	133,936	26,245	25,792	79,443 7,599,219	375,471 16,470,023	2,425,609 103,561,709
Total	988,272	393,984	133,936	26,245	25,792	7,678,662	16,845,494	105,987,318

CANDIDATES SET UP

This table shows the number of candidates set up by each party for the House of the People in individual States

State	Con	Soc	KMPP	CPI	JS	SCF	RRP	KIP	HMS	FB(M)	RSPU	I B(R)	R(PI)	Bol	OP	Ind	Total
Assam	11	8	6	—	2	—	—	—	—	—	—	—	—	—	4	9	40
Bihar	54	46	16	2	2	—	3	—	1	6	—	—	—	—	22	46	198
Bombay	44	24	10	1	—	4	6	3	—	2	—	—	—	—	16	38	148
Madhya Pradesh	29	20	8	1	8	3	9	—	1	—	—	3	—	—	4	23	109
Madras	74	20	31	16	—	9	2	10	2	5	—	1	—	—	13	101	293
Orissa	18	10	2	4	—	—	—	—	—	—	—	—	—	—	15	11	58
Punjab	18	6	1	4	8	2	4	—	1	3	—	—	—	—	18	34	99
Uttar Pradesh	86	61	37	2	41	8	21	—	12	4	—	—	—	—	7	85	364
West Bengal	34	7	10	9	6	—	2	—	6	6	3	—	1	1	1	60	148
Hyderabad	2	13	—	PDF 12	—	4	—	—	—	—	—	—	—	—	2	16	72
Madhya Bharat	11	8	1	2	4	—	4	—	1	—	—	—	—	—	—	6	37
Mysore	11	4	9	1	1	—	—	—	—	—	—	—	—	—	—	8	37
PEPSU	—	1	2	—	—	—	—	—	—	2	—	—	—	—	5	14	31
Rajasthan	20	6	1	1	4	1	—	—	1	—	—	—	—	—	1	25	74
Saurashtra	6	2	4	—	—	—	—	—	4	—	—	—	—	—	1	3	20
Travancore Cochin	10	9	—	—	—	—	—	—	—	—	1	—	—	—	6	21	47
Ajmer	2	—	—	1	1	—	1	—	—	—	—	—	—	—	1	2	8
Bhopal	2	1	—	—	—	—	—	—	1	—	—	—	—	—	1	1	6
Bilaspur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Coorg	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	2
Delhi	4	—	1	—	3	1	1	—	1	—	—	—	—	—	—	8	19
Himachal Pradesh	—	1	2	—	2	1	—	—	—	—	—	—	—	—	—	2	10
Vindhya Pradesh	4	4	—	—	4	1	—	—	—	—	—	—	—	—	—	4	24
Kutch	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—	2	5
Manipur	2	2	—	1	—	—	—	—	—	—	—	—	—	—	7	2	14
Tripura	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	1	7
Total	477	254	146	70	113	74	62	29	31	24	8	6	1	1	122	524	1 871

PARTY POSITION IN STATE ASSEMBLIES AND COLLEGES

The following table shows at a glance the party position in individual States resulting from the general election

State	Seats			Con	Soc	KMPP	JS	HMS	CPI	SCF	OP	Ind	Total
	1 (all)	SC	SI										
Assam	108	5	9	76	4	1	—	—	1	—	9	14	105
Bihar	340	44	35	240	23	1	—	—	—	—	53	13	830
Bombay	315	27	29	269	9	—	—	—	—	1	18	18	816
M. Pradesh	232	32	27	194	2	8	—	—	—	—	5	23	252
Madras	37	62	4	162	13	35	—	—	62	2	49	62	375
Orissa	140	21	23	67	10	—	—	—	7	—	35	21	140
Punjab	126	21	—	77	1	—	—	—	4	—	20	4	126
U. P.	430	83	—	380	19	1	2	1	—	—	3	14	430
W. Bengal	238	40	12	150	19	16	9	4	—	—	16	16	238
Hyderabad	175	31	2	93	11	—	—	—	(PDF) 42	5	10	14	175
M. Bharat	93	17	12	75	4	—	4	11	—	—	2	3	99
Mysore	93	19	—	74	3	8	—	—	1	2	—	11	99
PEPSU	60	10	—	26	—	1	2	—	2	1	20	8	60
Rajasthan	160	16	5	82	1	1	8	2	—	—	31	35	160
Saurashtra	60	4	1	50	2	—	—	—	—	—	1	2	60
Travancore Cochin	104	11	—	43	11	—	—	—	—	—	16	98	108
Ajmer	30	6	—	20	—	—	3	—	—	—	8	4	30
Bhopal	30	5	2	23	—	—	—	1	—	—	—	4	30
Coorg	24	3	3	16	—	—	—	—	—	—	—	9	24
Delhi	48	6	—	39	2	—	9	1	—	—	—	3	48
H. Pradesh	36	8	—	24	—	3	—	—	—	1	—	8	36
V. Pradesh	60	6	6	41	10	5	2	—	—	—	2	2	60
Total	3 283	477	175	2 247	124	77	33	20	147	12	293	326	3,279
Electoral Colleges													
Kutch	30	—	—	28	—	—	—	—	—	—	—	2	30
Manipur	30	—	—	10	1	—	—	—	—	—	16	1	30
Tripura	30	—	—	9	—	—	—	—	12	—	8	6	30
Grand Total	3,373	477	175	2,294	125	77	33	20	161	12	312	335	3,369

Note PDF only in Hyderabad

NOTE: In the Column "OP" are included :
Assam: Mizo Union 3, Garo National Council 3, All Peoples' Party 1, Khasi Jaintia Durbar 1, Khasi Jaintia National Federated States Conference 1—Total 9.

Bihar: Jharkhand Party 32, Chota Nagpur and Santal Parganas Janata Party 11, Lok Sevak Sangh 7, Ram Rajya Parishad 1, Ganatantra Parishad 1, Forward Bloc (Marxist) 1—Total 53.

Bombay: Peasants' and Workers' Party 14, Kisan Kamgar Paksh 3, Khedut Sangh Lok Paksh 1—Total 18.

M. Pradesh: Ram Rajya Parishad 3, Shetkari Kamgar Paksh 2—Total 5.

Madras: Tamil Nad Tollers Party 19, Krishikar Lok Party 15, Commonwealth Party 6, Madras Muslim League 5, Forward Bloc (Marxist) 3, Justice Party 1—Total 49.

Orissa: Ganatantra Parishad 31, Independent Peoples' Party 3, Forward Bloc (Marxist) 1—Total 35.

Punjab: Akali Party 14, Forward Bloc (Marxist) 2, Lal Communist Party 2, Punjab Zamindars League 2—Total 20.

Uttar Pradesh: Uttar Pradesh Praja Party 2, Uttar Pradesh Revolutionary Socialist Party 1—Total 3.

W. Bengal: Forward Bloc (Marxist) 11, Forward Bloc (Ruikar Group) 2, Gurkha League 3—Total 16.

Hyderabad: Peasants' and Workers' Party 10, M. Bharat: Ram Rajya Parishad 2.

PEPSU: Akali Party 19, Lal Communist Party 1—Total 20.

Rajasthan: Ram Rajya Parishad 24, Krishikar Lok Party 7—Total 31.

Saurashtra: Khedut Sangh 1.

Travancore-Cochin: Travancore Tamilnad Congress 8, Revolutionary Socialist Party 6, Kerala Socialist Party 1, Cochin Party 1—Total 16.

Ajmer: Purnharthi Panchayat 3.

V. Pradesh: Ram Rajya Parishad 2.

Manipur: Praja Santhi Party 3, All Manipur National Union 3, Achumba Pamba Congress 2, Kuki National Association 2, Gandhi Sevak Sova 1, Manipur Zelenrong Union 2, Mao Marlam Union 2, Mizo Union 1—Total 16.

Tripura: Tripura Ganatantrik Sangha 3.

ABBREVIATIONS USED:

Con.	— Congress.
Soc.	— Socialist.
KMP.	— Kisan Masdoor Praja Party.
J.S.	— Jan Sangh.
HMS.	— Hindu Mahasabha.
CPI.	— Communist Party of India.
PDF.	— People's Democratic Front.
SCF.	— Scheduled Castes Federation.
OP.	— Other Parties.
Ind.	— Independents.

COUNCIL OF STATES*

MADRAS—18

T. Bhaskar Rao (Ind.); Exhukuttikkal Imbichil Bava (C.P.I.); V. K. Krishna Menon; S. Guruswami (Ind.); B. V. Kakkilaya (C.P.I.); T. V. Kamalawamy (Ind.); Mohamed Ismail (M.L.); Shrimati Mona Hensman (Con.); K. L. Narasimham (C.P.I.); V. M. Obaidullah Sahib (Con.); T. S. Pattabiraman (Con.); G. Rajagopalalan (Con.); P. S. Rajagopal Naidu (Ind.); H. D. Rajah (Ind.); A. Ramaswami Mudaliar (Ind.); K. Sadananda Hegde (Con.); V. M. Surendra Ram (Con.); S. Venkataraman (Con.).

ORISSA—9

Radhakrishna Biswasroy (Con.); Jagannath Das (Con.); Shrimati Shaila Bala Das (Con.); Prafula Chandra Bhanj Deo (Ganatantra Parishad); Bodi Ram Dube (Con.); Surendranath Dwivedi (Soc.); Sunder Mohan Hemram (Con.); Surendra Mahanty (Ganatantra Parishad); Balidyanath Rath (C.P.I.).

PUNJAB—9

Dr. Anup Singh (Con.); Diwan Chaman Lal (Con.); Sardar Darshan Singh (Con.); Sardar Gura Singh Dhillon (Akali); Hans Raj (Con.); Sardar Swaran Singh; M. H. S. Nihal Singh (Con.); Jathedar Udam Singh Nagoke (Con.).

UTTAR PRADESH—31

Ahmad Said Khan (Con.); Akhtar Husain (Con.); Amar Nath Agarwal (Con.); Amolak Chand (Con.); Brij Behari (Con.); Shrimati Chandravati (Con.); A. Dharam Das (Con.); Gopi Nath Singh (Con.); Har Prasad Saksena (Con.); Pandit Hriday Nath Kunzru (Ind.); Indra Vidya Vachaspati (Con.); Jagannath Prasad Agarwal (Con.); Jasaud Singh (Con.); Jaspat Roy Kapoor (Con.); Begum Alsaz Rasul; Lal Bahadur Shastri (Con.); Mohammad Faruqi (Con.); B. K. Mukerji (Con.); Murari Lal (Con.); Acharya Narendra Deva (Soc.); Nawab Singh Chauhan (Con.); Ram Chand Gupta (Con.); Ram Kripalsingh (Con.); Ram Prasad (Con.); Shrimati Savitry Devi Nigam (Con.); Shyam Dhar (Con.); Shyam Sunder Narain Tankha (Con.); J. P. Srivastava (Con.); Sumat Prasad (Con.); Tarakeswar Pandey (Con.); Thakur Das (Con.).

WEST BENGAL—14

Beniprasad Agarwal (Con.); Satyapriya Banerjee [F.B. (M.)]; Indra Bhushan Beed (Con.); Charu Chandra Biswas (Con.); Shrimati Mayadevi Chettrinee (Con.); Nalinaksha Dutt (Con.); Rajput Singh Dugar (Con.); Bimal Comar Ghose (K.M.P.P.); Devprasad Ghosh (J.S.); Bhupesh Chandra Gupta (C.P.I.); Satyendra Narayan Masumdar (C.P.I.); Suresh Chandra Masumdar (Con.); Syed Nausheral Haq; Satyendra Prasad Ray (Con.).

HYDERABAD—11

S. Chinnna Reddy (Con.); Venkat Krishna Dhage (P.D.F.); Rafi Bahadur Goud (P.D.F.); Dinshaw Dadabhai Itale (Con.); Kishan Chand

(Soc.); K. Narayanappa (Con.); Narsingrao Balhimrao Deshmukh (P. & W. P.); Osman Sobhani (Con.); Purnamal Surajmal (Con.); J. H. Subbiah (S.C.F.); B. S. Venkata Rao.

JAMMU AND KASHMIR

Colonel Peer Mohammad Khan; Pandit Anant Ram; Aga Syed Mohammad Shah Jalali; vacant.

MADHYA BHARAT—6

Col. Sardar Chandrolji Sambhajirao Angre (H.M.); Kanahyalal D. Vaidya (Con.); Krishnakant Vyas (Con.); Raghubir Singh (Con.); Vinayak Sitaram Sarwate (Con.); Trimbak Damodar Pustake (Con.).

MYSORE—6

B. P. Basappa Shetty (Con.); M. Govinda Reddy (Con.); S. V. Krishnamoorthy Rao (Con.); C. G. K. Reddy (Soc.); K. C. Reddy (Con.); Mohammad Vallulla (Con.).

PEPSU—3

Jagan Nath (Con.); Joginder Singh Mann (United Front); Kartar Singh.

RAJASTHAN—9

Maharawal Laxmansingh (Ruler of Dungarpur) (Sanyukt Dal); Keshivanand (Con.); Ramnath Anandlal Podar (Con.); Barkat Ullah Khan (Con.); Dr. K. L. Shrivastava (Con.); Sardar Singh (Raja Bahadur of Khetri) (Sanyukt Dal); Shrimati Sharda Bhargava (Con.); Mahendra Singh Ranawat (Ind.); Harish Chandra Mathur (Ind.).

SAURASHTRA—4

Bhogilal Maganlal Shah (Con.); Variva Darasha Hormasji (Con.); Jaysukhlal Lalshanker Hathi (Con.); Nanabhai Kaldas Bhat (Con.).

TRAVANCORE-COCHIN—6

Abdul Razak (T.T.N.C.); S. Chattanatha Karayalar (Con.); K. C. George (U.F.L.); Madhavan Nair (Con.); Mathai Manjuran (U.F.L.); C. Narayana Pillai (Con.).

AJMER AND COORG—1

Abdul Shakoor (Con.).

BHOPAL—1

Master Bhairon Prasad (Con.).

DELAPUR AND HIMACHAL PRADESH—1
 Charanjil Lal Varma (Con.).

DELHI—1

Onkar Nath (Con.).

KUTCH—1

Lavji Lakhamsi (Con.).

VINDHYA PRADESH—4

Awadheesh Pratap Singh (Con.); Banarsi Das Chaturvedi (Con.); Gulsher Ahmad (Con.); Baij Nath Dube (Soc.).

Chairman: Dr. S. Radhakrishnan.

Dy. Chairman: S. V. Krishnamoorthy Rao.

Secretary: S. N. Mukerjee.

Under Secretaries: P. N. Krishna Mauli; I. Krishna.

ANDHRA 12

Makkineni Basavapunnala (C.P.I.); K. M. Rahmath-Ullah (Con.); K. Rama Rao (Con.); Prof. G. Ranga (K.L.P.); S. Sambahu Prasad; Aluri Satyanarayana Raju; Puchalapalli Sundarayya (C.P.I.); K. Suryanarayana (P.S.P.); Pydah Venkata Narayana (P.S.P.); Adduru Balaram Reddy; Nandury Durga Mallikarjuna Prasad Rao; Villuri Venkataratnam.

ASSAM 6

Suryya Kumar Bhuyan (Con.); Lakshevar Borooah (Con.); Smt. Pushpalata Das (Con.); Mohammad Roufque (United Opposition Bloc); M. Tayyebulla (Con.); Thanhlira (Con.).

BIHAR 21

Ram Gopal Agarwal (Con.); Hussain Ahmad (Con.); Smt. Angelina (Jharkhand); Jafar Imam (Con.); Syed Mazhar Imam (Con.); Khwaja Inaillullah (Con.); Kallash Behari Lal (Con.); Sri Narayan Mahtha (Con.); Smt. Lakshmi N. Menon (Con.); Purna Chandra Mitra (Con.); Kunwarani Vijaya Raju (Janata Party); Kishori Ram (Con.); Kameswar Singh (Maharajadhiraj of Darbhanga) (Ind.); Braj Kishore Prasad Sinha (Con.); Maheshwar Prasad Narayan Sinha (Soc.); Rajendra Pratap Sinha alias Balajee (Ind.); Rajeshwar Prasad Narayan Sinha (Con.); Ram Bahadur Sinha (Con.); Ramdhari (Dinkar) Sinha (Con.); Tajamul Hussain (Con.); Ganapati Iyer Gopal Valadi (Con.).

BOMBAY 17

Abid Ali Jaferbhai (Con.); Smt. Violet Joachim Alva (Con.); Bhimrao Ramji Ambedkar (S.C.F.); Somnath Prabhshankar Dave (Con.); Trimbak Raghunath Deogirikar (Con.); Devkinandan Narayan (Con.); Narayan Subrao Hardikar; Lalchand Hirchand Doehi (Con.); Muncher-shaw Dhunjeebhai Dorabjee Gilder (Con.); Bhalchandra Maheshwar Gupte (Con.); Shriyans Prasad Jain (Con.); Premji Thobhanbhai Leuva; Smt. Lilavati Kanhayalal Munshi (Con.); Chandulal Pitamberdas Parikh (Con.); Dhairyaashilrao Yashwantrao Pawar (Con.); Rajaram Balkrishna Raut (P. & W. P.); Manilal Chaturbhai Shah (Con.).

MADHYA PRADESH—12

Waman Sheodas (Con.); Bhanu Pratap Singh (Con.); Ramrao Madhwarao Deshmukh (Con.); R. P. Dube (Con.); Sitacharan Ramcharan Dube (Con.); Martandrao Ramchandraro Majumdar (Con.); Chandragopal Gajadharprasad Misra (K.M.P.P.); Gopaladasji Bulakhidasji Moha (Con.); Dr. Raghu Vira (Con.); Samiullah Khan (Con.); Shrimati Seeta Parmanand (Con.); Rameshwar Umrao Agnihotri.

* For a list of members who retired in 1954 and of those who were elected, see next page.

MANIPUR AND TRIPURA-1

Arman Ali Munshi (C.P.I.).

Abbreviations: U.F.L.—United Front of Leftists; K.M.P.P.—Kisan Mazdoor Praja Party; K.L.P.—Kishikar Lok Party; C.P.I.—Communist Party of India; F.B. (M).—Forward Bloc (Marxist); P.D.F.—Peoples' Democratic Front; P. & W.F.—Peasants and Workers Party; T.T.N.C.—Travancore Tamil Nad Congress; Con.—Congress; Soc.—Socialist; Ind.—Independent; S.C.F.—Scheduled Castes Federation.

NOMINATED-12

Dr. Zakir Husain; Dr. P. V. Kane; Professor Satyendra Nath Bose; Dr. J. Mohandas Kumarappa; Dr. Kalidas Nag; Kaka Sahab Kalelkar; Maithili Sharan Gupta; Prithviraj Kapoor; Professor Radhakumud Mookerji; Dr. Sahib Singh Sokhey; Shrinati Rukmini Devi; Professor Naraindas R. Malkani.

Council of States Committees

Rules Committee—Dr. S. Radhakrishnan (*Ex-officio Chairman*); S. V. Krishnamoorthy Rao; Lal Bahadur Shastri; Syed Nausher Ali; Braja Kishore Prasad Sinha; Begum Alaz Basul; Shrinati Lakshmi N. Menon; K. S. Hegde; Amolakh Chand; Puchalpalil Sundaraya; C. G. K. Reddy; Hriday Nath Kunzru; Prof. N. G. Ranga; Pydah Venkatanarayana.

Business Advisory Committee—Dr. S. Radhakrishnan (*Chairman*); S. V. Krishnamoorthy Rao; Manilal Chaturbhai Shah; Amar Nath Agrawal; Amolakh Chand; Prafulla Chandra Bhanj Deo; Lakshesvar Borooah; Bimal Comar Ghose; Hriday Nath Kunzru; Satyendra Narayan Mazumdar.

Committee on Petitions—Jaspal Roy Kapoor (*Chairman*); Khwaja Inait Ullah; Awadhesh Pratap Singh; K. C. George; Prafulla Chandra Bhanj Deo.

Committee of Privileges—C. C. Biswas (*Chairman*); V. S. Sarwate; K. P. Madhavan Nair; Akhtar Hussain; Diwan Chaman Lal; Dr. Bhimrao Ramji Ambedkar; Acharya Narendra Deva; Bhupesh Gupta; Deva Prasad Ghosh; Amolakh Chand.

House Committee—Amar Nath Agrawal (*Chairman*); Rajeshwar Prasad Narain Sinha; Jagannath Das; Dr. Shrinati Seeta Parmanand; Shrinati Sharda Bhargava; Kunwarani Vijaya Baje; H. D. Rajah.

Order of Retirement

The Members who will retire in 1954 are:

Assam—Maulana M. Tayyabulla, R. Thanbira.

Bihar—Smt. Angellina, Kallash Bihari Lal, Mrs. Lakshmi Menon, Kunwarani Vijaya Baje, Kameshwar Singh of Dharbhanga, Rajendra Pratap Sinha, Rama Bahadur Sinha, Ramdhari (Dinkar) Sinha.

Bombay—Abd All, Devkinandan Narayan, S. P. Jain, P. T. Leuva, C. P. Parikh.

Madhya Pradesh—Thakur Bhanu Pratap Singh, Pandit Sitacharan Dube, C. G. Misra, Samiullah Khan.

Madras—E. K. Embichibava, S. Guruswamy, T. V. Kamalaswamy, K. Rama Rao, M. Eswavunnaiah, N. Sanjiva Reddy, Muhammad Ramamathullah, P. S. Rajagopal Naidu, K. S. Hegde.

Orissa—Smt. Shalla Bala Das, P. C. Bhanj Deo, B. Bath, P. T. Leuva, C. P. Parikh.

Punjab—Dr. Anup Singh, H. S. Nihal Singh, Jashedar Udharn Singh Nagoke.

Uttar Pradesh—Ahmad Said Khan, Amar Nath Agarwal, Amolakh Chand, Brij Behari, Babu Gopal Nath Singh, Lal Bahadur Shastri, Maulana Mohammed Farugi, Acharya Narendra Dev, E. C. Gupta, Sumat Prasad.

West Bengal—Dr. Nalinaksha Dutt, C. C. Biswas, B. S. Dugar, S. O. Mazumdar, Devprasad Ghosh.

Hyderabad—K. Narayanappa, N. B. Deshmukh, Osman Sakhani, J. H. Subbiah.

Jammu and Kashmir—Pandit Anant Ram. **Madhya Bharat**—Col. Angre.

Mysore—C. G. K. Reddy, K. C. Reddy.

PEPSU—Kartar Singh.

Rajasthan—R. A. Podar, Barkat Ullah Khan, M. S. Ranawat.

Saurashtra—Dr. D. H. Variva.

Travancore-Cochin—K. C. George, Mathai Manjuran.

Kutch—Lajli Lakhamsli.

Vindhya Pradesh—Capt. Awadesh Pratap Singh, Baij Nath Dube.

Nominated—Satyendra Nath Bose, J. M. Kumarappa, Prithviraj Kapoor, Dr. Kalidas Nag.

In 1956

Those who will retire in 1956 are:

Assam—Smt. Pushpalata Das, Mahammad Roufque.

Bihar—R. G. Agarwala, Jafar Imam, Kishori Ram, M. P. N. Sinha, Tajamul Hussain, G. I. G. Valadi, Syed Mazhar Imman.

Bombay—Dr. B. R. Ambedkar, Dr. M. D. D. Gilder, T. R. Deogirikar, N. S. Hardikar, D. Y. Pawar, M. C. Shah.

Madras—B. V. Kakkilaya.

Hyderabad—K. Dhage, D. D. Italla, B. S. Venkata Rao, Raj Bahadur Goud.

Jammu and Kashmir—Aga Syed Mohammad Jalali.

Madhya Bharat—K. D. Vaidya, Krishnakant Vyasa.

Mysore—M. Govinda Reddy, S. V. Krishnamoorthy Rao.

PEPSU—Sardar Joginder Singh Mann.

Rajasthan—Dr. K. L. Shrimall, Smt. Sharda Bhargava, Harish Chandra Mathur.

Saurashtra—B. M. Shah, Nanabhai Bhat.

Travancore-Cochin—Abdul Razak, K. P. Madhavan Nair.

Delhi—Onkar Nath

Vindhya Pradesh—Gulsher Ahmad.

Madhya Pradesh—Waman Sheodas, M. R. Majumdar, G. B. Mohta, Dr. Raghu Vira.

Nominated—Dr. Zakir Husain, Maj.-Gen. S. S. Sokhey, Mrs. Rukmini Devi, N. R. Malkani.

In 1958

Those who will retire in 1958 are:

Assam—Dr. S. K. Bhuyan, Lakshesvar Borooah.

Bihar—Kazi Hussain Ahmad, Khwaja Inaitullah, P. C. Mitra, Sri Narayan Mahta, B. K. P. Sinha, R. P. Sinha.

Bombay—Mrs. Violet Alva, S. P. Dave, Lalchand H. Doshi, B. M. Gupta, E. B. Kaut, Mrs. Lilavathi Munshi.

Madhya Pradesh—R. M. Deshmukh, R. U. Agnibhoj, Dr. R. P. Dube, Dr. Smt. Seeta Parmanand.

Madras—T. Bhaskara Rao, K. L. Narasimham, P. Sundarayya, Pydah Venkata Narayana, G. Rajagopal, H. D. Rajah, V. M. Surendra Ram, Prof. N. G. Ranga, Janab M. Mohammed Ismail Sahab.

Orissa—Radhakrishna Biswasroy, Bodh Ram Dube, Surendra Mahanty.

Punjab—G. S. Dhillon, M. L. Puri, Sardar Swarn Singh.

Uttar Pradesh—A. Dharam Das, Indra Vidya Vachaspati, J. P. Agarwal, B. K. Mukerji, N. S. Chaudhan, Shyam Dhar, Parkeshwar Pandey, Thakur Das, Pandit Sham Sunder Narain Tankha, Dr. J. P. Srivastava.

West Bengal—B. Agarwal, Bimal Comar Ghose, Bhupesh Gupta, S. N. Mazumdar, Mrs. Mayadevi Chettrinee.

Hyderabad—S. Chinna Reddy, Kishen Chand, P. Surajmal.

Jammu and Kashmir—Sardar Budh Singh, Peer Mohammad Khan.

Madhya Bharat—V. S. Sarwate, T. D. Pustake.

Mysore—B. P. Basappa Shetty, Mohammad Vallulla.

PEPSU—Jagan Nath.

Rajasthan—Maharawal of Dungarpur, Swami Keshvanand, Sardar Singh.

Saurashtra—Jaisukhlal Hathli.

Travancore-Cochin—S. Chattanatha Karayalar, C. Narayana Pillai.

Bhopal—Bhalron Prasad.

Himachal Pradesh-Bilaspur—C. L. Varna.

Vindhya Pradesh—Benarsi Das Chaturvedi.

Nominated—Kakasaheb Kalelkar, Maithili Sharan Gupta, Dr. Radha Kumud Mookerji.

As regards Ajmer and Coorg, according to the Representation of People Act, they have been clubbed together for one seat, their representative alternating every two years. The same procedure obtains in the case of Manipur and Tripura also.

Party-Wise Distribution

The following is the party-wise distribution of the three categories of Council of States members:—

Party	1954	1956	1954
Congress	49	52	47
Communists and allies	6	4	6
Praja Socialists	3	3	4
Krishikar Lok	2	1	2
Scheduled Castes Federation	0	1	1
Ganatantra Parishad	1	0	1
Hindu Mahasabha	0	0	1
Akalis	1	0	0
Jan Sangh	0	0	1
Muslim League	1	0	0
Janatha	1	0	0
Jharkhand	0	0	1
Independents and unattached	4	6	3
Nominated	4	4	4
Total	72	71	71

NEW ELECTIONS

As the book went to press the following were elected to the Council of States to take the places of some of those who were retiring:

Rajasthan—Adityendra (Con.); Barkatullah (Con.); Kanwar Vijay Singh (Con.).

Assam—Fakruddin Ahmed; Bedavli Buragohain.

Saurashtra—Dr. D. H. Variva (Con.).

Madhya Pradesh—Thakur Bhamuratap Singh (Con.); Ratanlal Malaviya (Con.); Rajabhan Dangre (Con.); Kazi Syed Karimuddin (Con.).

Uttar Pradesh—Lal Bahadur Shastri, Narendra Deva; Amolakh (hand); Ahmad Said Khan; Amar Nath Bai; Brij Behari; Gopi Nath Singh; Mohammad Mian Farooqui; Ram Chandra Gupta; Sumat Prasad.

Mysore—K. C. Reddy, H. C. Dasappa.

Andhra—A. Satyanarayan Raju (Con); Shaikh Galib (Con.); B. Basava Pundiah (Comm); J. V. K. Vallabh Rao (Comm).

PEPSU—Raghuir Singh Panhazari.

Manipur—Gangom Tampook Singh (Con).

West Bengal—C. C. Biswas, Surendra Chandra Majumdar, Dr. Nalinaksha Dutt, Rajpat Singh Dugar, Abdur Razzak Khan.

Hyderabad—Raghu Jagirdar (Con); Akbar Ali Khan (Con.); V. Prasad Rao (P.D.I.); Narsing Rao (U.P.P.).

Orissa—Biswanath Das (Con); Swapnanda Panigrahi (Con.); Pratulla Chandra Bhanjdeo (Ganatantra Parishad).

Coorg—K. C. Karumbalya (Con).

Punjab—Dr. Anup Singh (Con.); Sardar Udharn Singh Nagoke (Con.); Maharaj Nihal Singh Namdhari (Con.).

Vindhya Pradesh—Capt. Avadesh Pratap Singh (Con.); Mrs. Krishnakumari Yadavendra Singh (Con.).

* Includes Andhra.

HOUSE OF THE PEOPLE*

Speaker: G. V. Mavalankar.

Dy. Speaker: Ananthasayanam Ayyangar.

Secretary: M. N. Kaul.

Deputy Secretaries: S. L. Shukdher; N. C. Nandi.

Under Secretaries: Babu Mal; E. Andrews
V. Narasimhan.

ANDHRA—28

V. V. Giri (Con) (Pathapatnam); B. Rajagopala Rao (Ind.) (Srikakulam); N. Ramasubbalah (Ind.) (Purvathipuram); Kandala Subrahmanyam (P.S.P.) (Vizianagaram); Dr. Lanka Sundaram (Ind.) (Visakapatnam); Gam Malludora (S.T.) (Ind.) (Visakapatnam (R)); Dr. Ch. V. Rama Rao (C.P.I.) (Kakinada); Nalla Reddi Naidu (P.S.P.) (Rajahmundry); Kanety Mohana Rao (S.C.) (C.P.I.) (Rajahmundry (R)); B. S. Murthy (S.C.) (P.S.P.) (Eluru); Kondru Subba Rao (S.C.) (C.P.I.) (Eluru (R)); Sanaka Buchhikotiah (C.P.I.) (Masulipatnam); Kadiyala Gopala Rao (C.P.I.) (Gudur); Kadiramanthi Chattopadhyaya (Ind.) (Vijayavada); Kotla Raghuramiah (Con.) (Tenali); S. V. L. Narasimham (Ind.) (Gundur); C. R. Chowdary (Ind.) (Narasaraopet); P. S. Venkata Raghavalah (Ind.) (Ongole); Mangalagiri Nanadas (S.C.) (Ind.) (Ongole (R)); B. Ramachandra Reddi (Ind.) (Nellore); Rayasam Seshagiri Rao (Ind.) (Nandyal); Y. Gadilagan Gowd (Kurnool); Paldi Lakshmayya (Con.) (Anantapur); K. S. Raghavachari (P.S.P.) (Penukonda); Y. Eswara Reddi (C.P.I.) (Chittoor); T. N. Viswanatha Reddy (Con.) (Chittoor); Dr. M. V. Gangadhara Silva (S.C.) (Con.) (Chittoor (R)); M. Ananthasayanam Ayyangar (Con.) (Tirupati).

ASSAM—13

Shrimati Bonily Khongmen (S.T.) (Con.) (Autonomous Districts (R)); Bell Rain Das (Con.) (Barpeta); Suresh Chandra Deb (Con.) (Cachar-Lushai Hills); Prof. Nibaran Chandra Laskar (S.C.) (Con.) (Cachar-Lushai Hills (R)); Kamakhya Prasad Tripathi (Con.) (Darrang); Jogendra Nath Hazarika (Con.) (Dibrugarh); Rolini Kumar Chaudhuri (Con.) (Gauhati); Janab Amjad Ali (Soc.) (Goalpara-Garo Hills); Sitanath Brahma Chaudhury (S.T.) (Con.) (Goalpara-Garo Hills (R)); Debeshwar Sarmah (Con.) (Golaghat-Jorhat); Dev Kanta Barooah (Con.) (Nongong); Binola Prasad Chaliha (Con.) (Sibsagar-North Lakhimpur); Chowkhamoon Gohain (nominated).

BIHAR—55

Banarsi Prasad Jhunjhunwala (Con.) (Bhagalpur-Central); Shrimati Shushama Sen (Con.) (Bhagalpur South); J. B. Kripalan (P.S.P.) (Bhagalpur-cum-Purnea); Kiral Mushar (S.C.) (Bhagalpur-cum-Purnea (R)); Kaniuran Deogan (S.T.) (Jharkhand); (Chaubasa (R)); Bijin Behari Verma (Con.) (Champaran North); Dr. Syed Mahmood (Con.) (Champaran East); Shree Narayan Dass (Con.) (Darbhanga Central); Anirudha Sinha (Con.) (Darbhanga East); Shyam Nandan Prasad Mishra (Con.) (Darbhanga North); Lalit Narayan Mishra (Con.) (Darbhanga-cum-Bhagalpur); Brajeshwar Prasad (Con.) (Gaya East); Ram Dhan Das (S.C.) (Con.) (Gaya East (R)); Bisheshwar Misir (Soc.) (Gaya North); Satyendra Narain Sinha (Con.) (Gaya West); Nageshwar Prasad Sinha (Con.) (Hazaribagh East); Babu Ram Narain Singh (CNSPP); (Hazaribagh West); Prabhat Chandra Bose (Con.) (Manbhum North); Hari Mohan (S.C.) (Con.) (Manbhum North (R)); Bhajabari Mahata (L.S.S.) (Manbhum South-cum-Dhalbhum); Manjhi Chaitan (S.T.) (L.S.S.) (Manbhum South-cum-Dhalbhum (R)); Suresh Chandra Mishra (Soc.) (Monghyr North-East); Mathura Prasad Mishra (Con.) (Monghyr North-West); Banarsi Prasad Sinha (Con.) (Monghyr Sadar-cum-Jamui); Nayantra Das (S.C.) (Con.) (Monghyr Sadar-cum-Jamui (R)); Shyamnandan Sahaya (Con.) (Muzaffarpur Central); Awadheshwar Prasad Sinha (Con.) (Muzaffarpur East);

Digvijaya Narain Singh (Con.) (Muzaffarpur North-East); Thakur Jugal Kishore Sinha (Muzaffarpur North-West); Rajeshwar Patel (Con.) (Muzaffarpur-cum-Darbhanga); Rameshwar Sahu (S.C.) (Con.) (Muzaffarpur-cum-Darbhanga (R)); Jethan Kherwar (S.T.) (Con.) (Palamau-cum-Hazaribagh-cum-Ranchi (R)); Gajendra Prasad Sinha (Con.) (Palamau-cum-Hazaribagh-cum-Ranchi); Sarungdhar Sinha (Con.) (Patliputra); Kallashpati Sinha (Con.) (Patna Central); Shrimati Tarkeshwar Sinha (Con.) (Patna East); Ballram Bhagat (Con.) (Patna-cum-Shahabad); Phani Gopal Sen Gupta (Con.) (Purnea Central); Mohammed Islamuddin (Con.) (Purnea North-East); Bhagwat Jha (Azad) (Con.) (Purnea-cum-Santal Parganas); Paul Juhar Soron (S.T.) (Jharkhand); (Purnea-cum-Santal Parganas (R)); Abdul Ibrahim (Con.) (Ranchi North-East); Jaipal Singh (S.T.) (Jharkhand); (Ranchi West (R)); Satyanarayan Sinha (Con.) (Sumastipur East); Ram Raj Jajwar (Con.) (Santal Parganas-cum-Hazaribagh); Lal Hembrom (S.T.) (Con.) (Santal Parganas-cum-Hazaribagh (R)); Mahendra Nath Singh (Con.) (Saran Central); Satyanarain Sinha (Con.) (Saran East); Jhulan Sinha (Con.) (Saran North); Dwarka Nath Tiwary (Con.) (Saran South); Bhubhuti Mishra (Con.) (Saran-cum-Champaran); Bhola Raut (S.C.) (Con.) (Saran-cum-Champaran (R)); Kamal Singh (Ind.) (Shahabad North-West); Ram Subhag Singh (Con.) (Shahabad South); Jagjivan Ram (S.C.) (Con.) (Shahabad South (R)).

BOMBAY—45

Ganesh Vasudeo Mavalankar (Con.) (Ahmedabad); Muldas Bhudardas Vaishya (S.C.) (Con.) (Ahmedabad (R)); Pandharinath Ramchandra Kanawade Patil (Con.) (Ahmednagar North); Uttamchand Ramchand Bogawat (Con.) (Ahmednagar South); Akbar Dalimiyar Chavda (Con.) (Banskantha); Indubhai Bhallabhai Amin (Ind.) (Baroda West); Balwant Nagesh Datar (Con.) (Belgaum North); Shankargouda Veerangouda Patil (Con.) (Belgaum South); Shivaram Rango Rane (Con.) (Bhusaval); Rajaram Girdharlal Dubey (Con.) (Bijapur North); Ramappa Ballappa Bidri (Con.) (Bijapur South); Vitthal Balkrishna Gandhi (Con.) (Bombay City North); Narayan Sadoba Kajrolkar (S.C.) (Con.) (Bombay City North (R)); Sadashiv Kanoli Patil (Con.) (Bombay City South); Shrimati Jayashri Nalshadi Rajji (Con.) (Bombay Suburban); Chandrashekar Mani-shankar Bhatt (Con.) (Broach); Dattatraya Parashuramrao Karmarkar (Con.) (Dharwar North); Timmappa Rudappa Neswi (Con.) (Dharwar South); Hari Vinayak Pataskar (Con.) (Jalgaon); Palsinji Bharsatinji Dabhi (Con.) (Kaira North); Shrimati Maniben Vallabh Patel (Con.) (Kaira South); Joachim Piedade Alva (Con.) (Kanara); Chintaman Dwarkanath Deshmukh (Con.) (Kolaba); Balasheeb Hanmantrao Khardekar (Ind.) (Kolhapur-cum-Satara); Krishnaji Laxman More (S.C.) (Con.) (Kolhapur-cum-Satara (R)); Shantilal Girdharlal Parikh (Con.) (Mehsana East); Tulidas Kila-chand (Ind.) (Mehsana West); Govind Hari Deshpande (Con.) (Nasik Central); Ganesh Sadashiv Altekar (Con.) (North Satara); Maneklal Maganlal Gandhi (Con.) (Panchmahals-cum-Baroda East); Rupaji Bhavji Parmer (S.T.) (Con.) (Panchmahals-cum-Baroda East (R)); Narhar Vishnu Gadgil (Con.) (Poona Central); Shrimati Maydeo Indira Anant (Con.) (Poona South); Jagannathrao Krishnarao Bhonsale (Con.) (Ratanagiri North); Moreswar Dinkar Joshi (Con.) (Ratanagiri South); Gulzarilal Buliram Nanda (Con.) (Sabarkantha); Shankar Shantaram More (P. & W.P.) (Sholapur); Pandurang Nathuji Rajbhoj (S.C.) (S.C.F.) (Sholapur (R)); Vyankatrao Pirajirao Pawar (Con.) (South Satara); Kanaylal Nanabhai Desai (Con.) (Surat); Bahadurbhai Kuthabhai Patel (S.T.) (Con.) (Surat (R)); Chaitram Partalrai Gidwani (Thana); Yeswantrao Martandao Mukre (S.T.) (Thana (R)); Shaligram Ramchandra Bhartiya (Con.) (West Khandesh); Jayantee Ganpatrao Natavadar (S.T.) (Con.) (West Khandesh (R)).

MADHYA PRADESH—29

Dr. Punjabrao Shamrao Deshmukh (Con.) (Amravati East); Krushnarao Gulabrao Deshmukh (Con.) (Amravati West); Chintamanrao Dhwaji Gautam (Con.) (Balaghat); Muchaki Kosa (S.T.) (Ind.) (Bastar (R)); Bhikulal Lakhimchand Chandak (Con.) (Betul); Asoka Mehta (P.S.P.) (Bhandara); Bhaurao Borkar (Con.) (Bhandara (R)); Sardar Amar-singh Saigal Baljnath Singh (Con.) (Bilaspur); Roshmial Jangle (S.C.) (Con.) (Bilaspur (R)); Bhupendra Nath Mishra (Con.) (Bilaspur-Durg-Raipur); Shrimati Minimata (S.C.) (Con.) (Bilaspur-Durg-Raipur (R)); Gopal-rao Bajirao Khedkar (Con.) (Buldana-Akola); Laxman Shrawan Bhatkar (S.C.) (Con.) (Buldana-Akola (R)); Abdullahi Taherall Mulla (Con.) (Chanda); Raichand Bhal Shah (Con.) (Chhindwara); Vasudeorao Shridhar Rao Kirolikar (Con.) (Durg); Bhag-wati Charan Shukla (Con.) (Durg-Bastar); Syed Aliud Syed Isak (Con.) (Hoshangabad); Sushil Kumar Pateria (Con.) (Jabalpur-North); Maganlal Bagdi (Mahasamund); Seth Govind Das (Con.) (Mandla-Jabalpur); M. G. Ulkey (S.T.) (Con.) (Mandla-Jabalpur South (R)); Shrimati Anusayabai Purshotam Kale (Con.) (Nagpur); Babulal L. Tiwari (Con.) (Nimar); Khabchand Daryao Singh Sodha (Con.) (Nagar); Maharajkumar Chandikeshwar Sharan Singhji Deo (Ind.) (Surguja-Raigarh); Babunath Singh (S.T.) (Con.) (Surguja-Raigarh (R)); Shrimannarayan Dharmnarayan Agarwal (Con.) (Wardha); Sahadeo Arjun Bhurati (Con.) (Yestmal).

MADRAS—46

M. D. Ramaswami (Aruppukkottai); A. K. Gopalan (C.P.I.) (Cannanore); O. V. Alagesan (Con.) (Chingleput); N. M. Lingam (Combator); Govindaswamy Kachirayar (N.T.P.); (Cuddalore); I. Elnayaperumal (S.C.) (Con.) (Cuddalore (R)); N. Satyanathan (Ind.) (Dharmapuri); Shrimati Ammu Swaminathan (Con.) (Dindigul); Perlaswami Gounder (Con.) (Erode); Balakrishnan (S.C.) (Con.) (Erode (R)); A. Krishnaswami (Commonweal); (Kancher-puram); K. A. Damodara Menon (K.M.P.) (Korhukole); C. R. Narasimham (Con.) (Krishna, giri); C. Ramaswamy Mudalliar (Con.) (Kumbakonam); T. T. Krishnamachari (Con.) (Madras); S. Balasubramanian (Con.) (Madurai); P. Kakkani (S.C.) (Con.) (Madurai (R)); B. Pocker (M.M.I.) (Mallapuram); K. Anandan Nambiar (C.P.I.) (Mayuram); V. Veerasami (S.C.) (Ind.) (Mayuram (R)); V. Bhooaragasami Padayachi (T.N.T.P.) (Perambalur); K. Sakthivelu Gounder (Con.) (Pirakulam); Damodaran (Con.) (Pollachi); K. Kelappan (K.M.P.) (Ponnani); I. Eacharan (S.C.) (Con.) (Ponnani (R)); K. M. Vallatharas (K.M.P.) (Pudukkottai); V. V. R. N. A. R. Nagappa Chettiar (Con.) (Ramanathapuram); S. V. Ramaswamy (Con.) (Salem); M. Sankarapandian (Con.) (Sankaranagurkottai); A. V. Thomas (Con.) (Srivikuntam); K. Kamraj Nadar (Con.) (Srivilliputhur); Sriivas Mallaya (Con.) (South Kanara (North)); B. Shiva Rao (Con.) (South Kanara (South)); R. Venkataraman (Con.) (Tanjore); V. Munisami (T.N.T.P.) (Tindivanam); A. Jayaraman (S.C.) (T.N.T.P.) (Tindivanam (R)); S. K. Baby alias Kandasami (Ind.) (Tiruchengode); E. Mathuran (Ind.) (Tiruchirappalli); Thanu Pillai (Con.) (Tirunelveli); T. S. Avinashlingam Chettiar (Con.) (Tiruppur); P. Natesan (Con.) (Tiruvallur); Shrimati Maragatham Chandrasekhar (S.C.) (Con.) (Tiruvallur (R)); P. Damodaran Nettur (K.M.P.) (Tollcherry); Ramachandran (Commonweal); (Vellore); Muthukrishnan (S.C.) (Con.) (Vellore (R)); R. Muniswami (Commonweal); (Wandiwash).

ORISSA—20

Bhagabat Sahu (Con.) (Balasore); Kanhu-charan Jena (S.C.) (Con.) (Balasore (R)); Ghanashyamdas Thirani (Ind.) (Bargarh); Harekrushna Mahtab (Con.) (Cuttack);

* Now called Lok Sabha.

† Has resigned according to newspaper reports.

Sarangdhar Das (Soc.), (Dhenkanal-West Cutlack); Niranjan Jena (SC), (Con.), (Dhenkanal-West Cutlack (R)); Bijayachandra Das (C.P.I.), (Ganjam South); Umacharan Pattnaik (Ind), (Ganjam); Bhuvananda Das (Con.), (Jajpur-Keonjhar); Laxmidhar Jena (SC), (G.P.), (Jajpur-Keonjhar (R)); Maharaja Rajendra Narayan Singh Deo (Ruler of Patna) (G.P.), (Kalahandi-Bolangir); Ghidhari Bhol (ST), (G.P.), (Kalahandi-Bolangir (R)); Nityananda Kanungo (Con.), (Kendrapara); Lingaraj Misra (Con.), (Khurda); Ram Chandra Majhi (ST), (Con.), (Mayurbhanj); Ponnada Subba Rao (G.P.), (Nowerangpur); Lokanath Misra (Con.), (Puri); T. Sanganna (ST), (Con.), (Rayagada-Phubani (R)); Natabar Pandey (G.P.), (Sambalpur); Sibnarayan Singh (ST), (Con.), (Sundargarh).

PUNJAB—18

Tek Chand (Con.), (Amhala-Sindla); Giani Gurmukh Singh Musafir (Con.), (Amritsar); Vacant (Fazlika-Sirsa); Sardar Lal Singh (Akali), (Ferozepur-Ludhiana); Sardar Bahadur Singh (SC), (Akali), (Ferozepur-Ludhiana (R)); Sardar Teja Singh (Con.), (Gurdaspur); Pandit Thakur Das Bhargava (Con.), (Gurgaon); Lala Achint Ram (Con.), (Huskar); Dewan Chand Sharma (Con.), (Hoshiarpur); Ram Dass (SC), (Con.), (Hoshiarpur (R)); Ghamandi Lal (Con.), (Jajpur-Rewari); Amar Nath Vidyalankar (Con.), (Jalandhar); Hem Raj (Con.), (Kangra); Shrimati Subhadra Joshi (Con.), (Karnal); Virendra Kumar (SC), (Con.), (Karnal (R)); Sardar Baldev Singh (Con.), (Naunahar); Chaudhri Randhir Singh (Con.), (Rohkha); Sardar Surjit Singh Majithia (Con.), (Tarn Taran).

UTTAR PRADESH—86

Raghubir Singh (Con.), (Agra District East); Chand Singhal (Con.), (Aligarh District); Naredeo Sataak (SC), (Con.), (Aligarh District (R)); Seth Achal Singh (Con.), (Agra District West); Jawaharlal Nehru (Con.), (Allahabad District East-cum-Jaunpur District West); Masurya Din (SC), (Con.), (Allahabad District East-cum-Jaunpur District West (R)); Purnushottam Das Tandon (Con.), (Allahabad District West); Devi Datt Pant (Con.), (Almora District North-East); Algot Rai Shastri (Con.), (Lamohar District East-cum-Bal District West); Sita Ram (Con.), (Lamohar District West); Vishwa Nath (SC), (Con.), (Azamgarh District West (R)); Rati Ahmed Kidwai (Con.), (Bahraich District East); Sadat Jogendra Singh (Con.), (Bahraich District West); Murl Manohar (Ind.), (Ballia District East); Raghubir Singh (Con.), (Banaras District Central); Tribhuvan Narayan Singh (Con.), (Banaras District East); Shiv Dayal (Con.), (Banda District-cum-Fatehpur District); Piarey Lal Kureel alias Talib (SC), (Con.), (Banda District-cum-Fatehpur District (R)); Satish Chandra (Con.), (Bareilly District South); Ram Shankar Lal (Con.), (Basti District Central-East-cum-Gorakhpur District West); Sohan Lal Dhinsa (SC), (Con.), (Basti District Central-East-cum-Gorakhpur District West (R)); Pdm Shankar Dubey (Con.), (Basti District South); Naim Saran (Con.), (Bijnor District South); Badan Singh (Con.), (Budawn District West); Raghubar Dayal (Con.), (Budawn District); Kanhaiya Lal Balmiki (SC), (Con.), (Budawn District (R)); Mahavir Tyagi (Con.), (Dehra Dun District-cum-Bijnor District North-West-cum-Saharanpur District West); Ramji (Soc.), (Deoria District East); Sarju Prasad Misra, (Deoria District South); Bishwa Nath (Con.), (Deoria District West); Roshan Lal Chaturvedi (Con.), (Etah District Central); Raghubir Sahai (Con.), (Etah District North-East-cum-Budawn District East); Digambar Singh (Con.), (Etah District West-cum-Mainpuri District West-cum-Mathura District East); Lallanj (Con.), (Faizabad District North-West); Panna Lal (SC), (Con.), (Faizabad District North-West (R)); Mulchand Dube (Con.), (Farrukhabad District North); Bhakti Darsan (Con.), (Garhwal District East-cum-Moradabad District North-East); Maharani Kamleendumati Shah (Ind.), (Garhwal District West-cum-Tehri Garhwal District-cum-Bijnor District North); R. N. Singh, (Ghaziipur District East-cum-Hallia District South-West); Har Prasad (Con.), (Ghaziipur District

West); Kesho Deo Malavia (Con.), (Gonda District East-cum-Basti District West); Ch. Hyder Husain (Con.), (Gonda District North); Shrimati Shakuntala Nayyar (H.M.S.), (Gonda District West); Dashrath Pd Dwivedi (Con.), (Gorakhpur District Central); Hari Shanker Prasad* (Con.), (Gorakhpur District North); Singhasan Singh (Con.), (Gorakhpur District South); Manu Lal Dwivedi (Con.), (Hamirpur District); Bashir Husain Zaidi (Con.), (Hardoi District North-West-cum-Farrukhabad District East-cum-Shahjahanpur District South); Bulaqi Ram (SC), (Con.), (Hardoi District North-West-cum-Farrukhabad District East-cum-Shahjahanpur District South (R)); Hoti Lal (Con.), (Jalaun District-cum-Etawah District West-cum-Jhansi District North); Lotan Ram (SC), (Con.), (Jalaun District-cum-Etawah District West-cum-Jhansi District North (R)); Birbal Singh (Con.), (Jaunpur District East); Ganpati Ram (SC), (Con.), (Jaunpur District East (R)); Raghunath Dhulekar (Con.), (Jhansi District South); S. Tandon (Con.), (Kanpur District Central); Venkatai Sarala Tivary (Con.), (Kanpur District North-cum-Farrukhabad District South); Balkrishna Sharma (Con.), (Kanpur District South-cum-Etawah District East); Shrimati Ajayalakshmi Pandit (Con.), (Lucknow District Central); Mohan Lal Saxena (Con.), (Lucknow District-cum-Bara Banki District); Shrimati Ganga Devi (SC), (Con.), (Lucknow District-cum-Bara Banki District (R)); Badshah Gupta (Con.), (Mainpuri District East); Krishna Chandra (Con.), (Mathura District West); Shah Nawaz Khan (Con.), (Meerut District North-East); Krishna Chandra Sharma (Con.), (Meerut District South); Khushi Ram Sharma (Con.), (Meerut District West); J. N. Wilson (Con.), (Mirzapur District-cum-Banaras District West); Rup Saran (SC), (Con.), (Mirzapur District-cum-Banaras District West (R)); Huzim Rahman (Con.), (Moradabad District Central); Professor Ram Saran (Con.), (Moradabad District West); Hira Vallabh Tripathi (Con.), (Muzaffarnagar District South); C. D. Pande (Con.), (Naini Tal District-cum-Almora District South-West-cum-Bareilly District North); Mukand Lal Agarwal (Con.), (Pilibhit District-cum-Bareilly District East); Munshwat Dutt Upadhyaya (Con.), (Pilibhit District East); Feroze Gandhi (Con.), (Pilibhit District West-cum-Rae Bareilly District East); Baij Nath Kureel (SC), (Con.), (Pilibhit District West-cum-Rae Bareilly District East (R)); Maulana Abul Kalam Azad (Con.), (Rampur District-cum-Bareilly District West); S. Rameshwar Prasad Newatia (Con.), (Shahjahanpur District North-cum-Kheri District East); Ganesh Lal Chowdhry (SC), (Con.), (Shahjahanpur District North-cum-Kheri District East (R)); Apt Prasad Jain (Con.), (Saharanpur District West-cum-Muzaffarnagar District North); Sunder Lal (SC), (Con.), (Saharanpur District West-cum-Muzaffarnagar District North (R)); Shrimati Uma Nehru (Con.), (Sdampur District-cum-Kheri District West); Parag Lal (SC), (Con.), (Sdampur District-cum-Kheri District West (R)); Syed M. A. Kazmi (Con.), (Sultanpur District North-cum-Faizabad District South-West); Balkrishna Vishwanath Keskar (Con.), (Sultanpur District South); Vi-hambhar Dayal (Con.), (Unnao District-cum-Rae Bareilly District West-cum-Hardoi District South-East); Swami Rama Nand (SC), (Con.), (Unnao District-cum-Rae Bareilly District West-cum-Hardoi District South-East (R)).

WEST BENGAL -34

Jagannath Koley (Con.), (Bankura); Pashupati Mandal (SC), (Con.), (Bankura (R)); Ramnananda Das (Con.), (Barakpur); Shrimati Renu Chakravarty (C.P.I.), (Bardhaman); Patiram Roy (SC), (Con.), (Bardhaman (R)); Tridib Chaudhuri (R.S.P.), (Berhampur); Anil Kumar Chanda (Con.), (Birbhum); Kamal Krishna Das (SC), (Con.), (Birbhum (R)); Atulya Ghosh (Con.), (Burdwan); Dr. Mono Mohon Das (SC), (Con.), (Burdwan (R)); Prof. Hirendra Nath Mukherjee (C.P.I.), (Calcutta North-East); Dr. Meghnath Saha (Ind.), (Calcutta North-West); Sadhan Chandra Gupta (Calcutta South-East); Ashim Krishna Dutt (Con.), (Calcutta South-West); Basanta Kumar Das (Con.), (Contai); Kamal Basu (C.P.I.), (Diamond Harbour);

Purnendu Sekhar Naskar (SC), (Con.), (Diamond Harbour (R)); Nikunja Behari Chaudhry (C.P.I.), (Ghatol); N. C. Chatterjee (H.M.), (Hooghly); Santosh Kumar Dutta (Con.), (Howrah); Abhis Sattar (Con.), (Kalya-Katwa); Surendra Mohan Ghose (Con.), (Malda); Durga Charan Banerjee, (Midnapore-Jhargam); Bharat Lal Tudu (ST), (Con.), (Midnapore-Jhargam (R)); Mohammed Khuda Buksh (Con.), (Murshidabad); Shrimati Ila Palchoudhuri (Con.), (Nabadwip); Amiya Kanta Basu (Con.), (North Bengal); Upendra Nath Barman (SC), (Con.), (North Bengal (R)); Brendra Nath Katham (ST), (Con.), (North Bengal (R)); Arun Chandra Guha (Con.), (Sandipur); Tusar Chatterjee (Serampore); Satish Chandra Samanta (Con.), (Tamluk); Dr. Satyaban Roy (Con.), (Uluberia); Susil Ranjan Chatterjee (West Dinapur).

HYDERABAD—25

C. Madhav Reddy (Soc.), (Adilabad); Hanmanth Rao Ganeshrav Valisnav (Con.), (Amhad); Sureshchandra Shivprasad Arya (Con.), (Aurangabad); Ramechandra Govind Paranjpe (P.D.F.), (Bhor); Shaikatulla Shah Ansari (Con.), (Bidar); Swami Ramanand Tirth (Con.), (Gulbarga); Ahmed Mohiuddin (Con.), (Hyderabad City); Sadat Ali Khan (Con.), (Ibrahimpattanam); Badam Yella Reddy (P.D.F.), (Karimnagar); M. R. Krishna (SC), (S.C.F.), (Karimnagar (R)); T. B. Vithal Rao (P.D.F.), (Khammam); Shivamurthy Swamy (Ind.), (Kushnaga); Janardhana Reddy (Con.), (Mahabubnagar); P. Ramaswami (SC), (Con.), (Mahabubnagar (R)); Jai Surya (P.D.F.), (Medak); Ravi Narayan Reddi (P.D.F.), (Nalgonda); Sunkam Atchulu (SC), (P.D.F.), (Nalgonda (R)); Shankar Rao Shrinivas Rao (Con.), (Nanded); Dev Rao Nanded Rao (SC), (Con.), (Nanded (R)); Harish Chandra Heda (Con.), (Nizamabad); Diwan Raghavendra Srinivas Rao (Con.), (Osmanabad); Narayan Rao Waghmare (P. & W.P.), (Parbhani); Dr. S. A. Ebenezer (Con.), (Farakabad); Pendyal Raghava Rao (P.D.F.), (Warangal); Krishnacharya Joshi (Con.), (Ladiga).

MADHYA BHARAT—11

Vishnu Ghanshyam Deshpande (H.M.S.), (Guna); Dr. Narayan Bhaskar Khare (H.M.S.), (Gwalior); Nand Lal Suryanarayan (Con.), (Indore); Anarsingh (S.F.), (Con.), (Jhabua (R)); Dr. Kailash Nath Katju (Con.), (Mandsaur); Radhacharan Sharma (Con.), (Morena-Bhind); Sonaj Prasad alias Surva Prasad (SC), (Con.), (Morena-Bhind (R)); Bajrath Mahodaya (Con.), (Nagar); Lalachari Haribux Joshi (Con.), (Shajapur-Rajpur); Bhagu Nandu (SC), (Con.), (Shajapur-Rajpur (R)); Radhelalji Beharilaji Vyas (Con.), (Ujjain).

MYSORE—12

N. Keshava Iyengar (Con.), (Bangalore North); T. Madiah Gowda (Con.), (Bangalore South); Tekur Subrahmanyam (Con.), (Bellary); S. Nijalingappa (Con.), (Chikoldrup); H. Siddanjanappa (Con.), (Hassan-Chikmagalur); M. V. Krishnappa (Con.), (Kolar); Dooda Thuniah (SC), (Con.), (Kolar (R)); M. K. Shivananjappa (Con.), (Mandya); M. S. Gurupadaswamy (K.M.P.), (Mysore); N. Raghiah (SC), (Con.), (Mysore (R)); K. G. Wodeyar (Con.), (Shimoga); C. R. Basappa (Con.), (Tumkur).

PEPSU—5

Sardar Hukam Singh (Akali), (Kapurthala-Bhatinda); Sardar Ajit Singh (SC), (Akali), (Kapurthala-Bhatinda (R)); Hira Singh (Con.), (Mohandargh); Ram Pratap Garg (Con.), (Patiala); Sardar Ramjit Singh (Ind.), (Sangrur).

RAJASTHAN—20

Shobha Rani (Con.), (Alwar); Bheeka Bhai (ST), (Con.), (Banswara-Dungarpur (R)); Bhawani Singh (Ind.), (Banswara-Jalore); Girraj Sharan Singh (Ind.), (Bharatpur-Sawai Madhopur); Manak Chand (SC), (K.L.P.), (Bharatpur-Sawai Madhopur (R)); Hari Ram (R.R.P.), (Bhilwara); Maharaja Shri Karni Singhji Bahadur (Ruler of Bikaner) (Ind.), (Bikaner-Chura); Uma Shankar Trivedi (J.S.), (Chitor); Radhey Shyam Ram Kumar Morarka (Con.), (Jangannagar-Jhunjhunn); Panna Lal

* Election declared void.

(SC). (Con.). (Ganganagar-Jhunjhunn (R)).
Daulat Mal (Con.). (Jaspur); Raj Bahadur
(Con.). (Jaipur-Sawa Madhopur); Jaswantra
Mehta, (Jodhpur); Chandra Sen (K. E. P.).
(Kota-Bundi); Nemi Chand Kashwal (Con.).
(Kota-Jhalawar); G. D. Somani (Ind.). (Nagaur-
Pali); Nand Lal (K.H.P.). (Sikar); Ajit Singh
(Ind.). (Sirohi-Pali); Manikya Lal Varma
(Tonk); Balwant Singh Mehta (Con.). (Udaipur).

SAURASHTRA-6

Balawant Gopalji Mehta (Con.). (Gohilwad);
Chimanlal Chakubhai Shah (Con.). (Gohilwad-
Sorath); Khandubhai Kasaanji Desai, (Halar);
Jethalal Harikrishna Joshi (Con.). (Madhya-
Saurashtra); Narendra Nathwani (Con.).
(Sorath); Dr. Jayantilal N. Parekh (Zalawad).

TRAVANCORE-COCHIN-12

P. T. Punnoose (Ind.). (Alleppey); V. Parameswaran Nair (Ind.). (Chirayinkul); K. T. Achuthan (Con.). (Cranganur); A. M. Thomas (Con.). (Ernakulam); C. P. Mathew (Con.). (Kottayam); G. T. Kottipally (Mecachul); A. Nesamony (T.T.N.C.). (Nagercoil); Srikanth Nair (B.S.P.). (Quilon-Mavelikara); R. Velayudhan (SC). (Ind.). (Quilon-Mavelikara (R)); C. P. Mathen (Ind.). (Thiruvella); C. R. Iyyunni (Con.). (Trichur); Shrimati Annie Mascarene (Ind.). (Trivandrum).

AJMER-2

Jwala Prasad (Con.). (Ajmer-North); Mukat Behari Lal (Con.). (Ajmer-South).

BHOPAL-2

Pandit Chatur Narain Malviya (Con.). (Raisen); Saeed Ullah Khan Razmi (P.S.P.). (Sehore).

BILASPUR-1

Raja Anand Chand, Ruler of Bilaspur (Ind.). (Bilaspur).

COORG-1

N. Somanna (Con.). (Coorg).

DELHI-4

Shrimati Sucheta Kripalani (K.M.P.). (New Delhi); Radha Raman (Con.). (Delhi City); C. Krishnan Nair (Con.). (Outer Delhi); Naval Prabhakar (SC). (Con.). (Outer Delhi (R)).

HIMACHAL PRADESH-3

A. R. Sewal (Ind.). (Chamba-Sirmur); Shrimati Amrit Kaur (Con.). (Mandi-Mahasu); Gopi Ram (Con.). (Mandi-Mahasu (R)).

VINDHYA PRADESH-6

Ram Sahai (Con.). (Chhatarpur-Datia Tikamgarh); Moti Lal Malvi (SC). (Con.). (Chhatarpur-Datia Tikamgarh (R)); Rajbhanu Singh (Con.). (Rewa); S. D. Upadhyaya (Con.). (Satna); Bhagwan Dutt Shastri (P.S.P.). (Shahdol-Sidhi); Randaman Singh (ST). (K.M.P.P.). (Shahdol-Sidhi (R)).

KUTCH-2

Gulabshanker Dholakia (Con.). (Kutch East); Bhawanji Arjan Khimji (Con.). (Kutch West).

MANIPUR-2

Lalram Jogeswar Singh (Con.). (Inner Manipur); Rishang (ST). (Soc.). (Outer Manipur (R)).

TRIPURA-2

Birendra Chandra Dutt (C.P.I.). (Tripura West); Dasaratha Deb (C.P.I.). (Tripura East).

NOMINATED

BISHOP JOHN RICHARDSON (to fill the seat allotted to the Andaman and Nicobar Islands).

FRANK ANTHONY; A. E. T. BARROW (Anglo-Indians).

NOMINATED (KASHMIR)

MAULANA MOHAMMAD SAYED MASOODI.

MAJOR LACHHMANSINGH CHARAK.

SUFI MOHAMMAD AKBAR.

PANDIT SHRONARAYAN FOTEDAR.

CHAUDHARI MOHAMMAD SHAFI.

KHAN GHULAM QADIR.

Abbreviations: Con.: Congress; Soc.: Socialist; Ind.: Independent; C.P.I.: Communist Party of India; K.M.P.: Klean Mazdoor Praja Party; J.S.: Jan Sangh; P.D.F.: People's Democratic Front; S.C.F.: Scheduled Caste Federation; O.P.: Other Parties; B.S.P.: Ram Rajya Parishad; H.M.S.: Hindu Mahasabha; F.B.M.: Forward Bloc (Marxist); R.S.P.: Revolutionary Socialist Party; L.S.S.: Lok Sewak Sangh; C.N.S.P.J.P.: Chota Nagpur Santhal Parganas Janata Party; P. & W.P.: Peasants' and Workers' Party; T.T.N.C.: Travancore Tamil Nad Congress; T.N.T.P.: Tamil Nad Tolders' Party; M.M.L. Madras: Muslim League.

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Business Advisory Committee:—G. V. Mavalankar (Chairman), M. Ananthasayanam Ayyangar, Satya Narayan Sinha, Harekrishna Mahtab, Naraihar Vishnu Gadgil, Dev Kanta Borooah, Hari Vinayak Pataskar, P. T. Chacko, Col. B. H. Zaidi, Shrimati Ammu Swaminadhan, P. T. Punnoose, Sarangadhar Das, Hukum Singh, Chaudikeshwar Sharan Singh Ju Deo, Dr. Lanka Sundaram.

Committee on Petitions:—Pandit Thakur Das Bhargava (Chairman), Shrimati Renu Chakravarty, Asim Krishna Dutt, Prof. C. P. Mathew, P. N. Rajbhoj.

Committee of Privileges:—Dr. Kailas Nath Katju (Chairman), Satya Narayan Sinha, A. K.

Gopalan, Shrimati Sucheta Kripalani, Sarangadhar Das, B. Shiva Rao, R. Venkataraman, Dr. Syed Mahmud, Radhelal Vyas.

Rules Committee:—G. V. Mavalankar (Chairman), M. Ananthasayanam Ayyangar, Pandit Thakur Das Bhargava, Satya Narayan Sinha, Chaudhri Hyder Husain, O. V. Alagesan, P. Algu Rai Shastri, A. K. Basu, Shivram Ranjo Kane, Dr. N. M. Jaiscoor, K. Kelappan, N. C. Chatterjee, H. H. Mahara, Harendra Narayan Singh Deo, Jaipal Singh, K. Subrahmanyan.

House Committee:—U. Srinivasa Mallaya (Chairman), Tribhuvan Narayan Singh, Upendra-nath Barman, Awadheshwar Prasad Sinha, Shrimati Ammu Swaminadhan, Col. B. N. Zaidi, Tulidas Kilachand, Harendra Nath Mukerjee, K. A. Damodara Menon, Sarangadhar Das, Gurmukh Singh Musafir, Tekur Subrahmanyam.

ANDHRA LEGISLATIVE ASSEMBLY

Speaker: N. Venkataramayya.

Dy. Speaker: P. Suryachandrarao.

Secy. to the Legislature, G. V. Choudary.

Dy. Secy., M. Surya Rao.

Adikesavalu Naidu, K. (Con.). (Chandragiri); Anjaneyulu, G. (U.P.I.). (Bandur); Appala Naidu, K. (K.L.P.). (Srikakulam General); Appalaswami Bojja (SC). (S.C.F.). (Amalapuram Reserved); Appa Rao Bahadur, Raja Meka Rangayya (Con.). (Nuzvid); Atchannaidu, T. C. (Ind.). (Cheepurupalli General); Audinarayana Reddi, Y. (P.S.P.). (Rayachoti); Balanarayana Reddi, K. (Con.). (Proddatur); Bapalal Chowdary, M. (Ind.). (Bellamkonda); Bapanna Dora, K. (ST). (P.S.P.). (Bhadra-chalam Reserved); Bapanayya, G. (SC). (C.P.I.). (Divi Reserved); Bapu Naidu, P. (K.L.P.). (Yellamanchili); Basivi Reddi, D. (P.S.P.). (Penugonda); Chandra Ramalingalah (C.P.I.). (D.V. General); Chenchurama Naidu, K. (Con.). (Kandukur General); Chidanandam, V. (Ind.). (Badvel); Chinnaamma Reddi, P. (Ind.). (Chittoor General); Chudamanal Deo, V. C. (Con.). (Parvatipuram); Dasaratharamalah Naidu, D. (Con.). (Rapur); Dorakannu, M. (SC). (Con.). (Tirutani Reserved); Gajapathi Raju, P. V. R. (P.S.P.). (Visianagaram General); Gangayya Naidu, B. (K.L.P.). (Madugula); Gopalakrishna Reddi, P. (Con.). (Ondur);

Gopalakrishnalal, Vavilala (Ind.). (Sattenapalli); Govinda Rao, K. (C.P.I.). (Anakapalle); Gunnayya, P. (SC). (Con.). (Cheepurupalli Reserved); Hanumantha Rao, M. (C.P.I.). (Repalle); Indrayya, Ch. (P.S.P.). (Tanuku); Joseph, G. (C.P.I.). (Amatalur); Kasiroddy, S. (C.P.I.). (Durn); Kondayya, G. C. (Ind.). (Atmakur); Kotalah, P. (P.S.P.). (Chitrala); Koti Reddi, K. (Con.). (Oudupah); Kotamma Reddi, Srimathi Thamma (Con.). (Pratipadu); Krishnam Raja Bahadur Raju, V. V. (Con.). (Tuni); Krishnamurthy Rao, B. (Con.). (Punganur); Krishna Rao, K. (Ind.). (Nellore General); Krishna Rao, Y. V. (P.S.P.). (Bhadra-chalam General); Kune Rao, M. (C.P.I.). (Chintalapudi); Lakshmana Das, L. (Con.). (Pathapatnam General); Lakshminarayana Reddi, T. (Ind.). (Penukonda); Lakshmana-swami, M. (C.P.I.). (Rankipadu); Lakshmayya, D. (C.P.I.). (Mangalagiri); Lakshmi Narasimham Dora, B. (Ind.). (Tekkal); Lakshminaras Raju, B. (O.P.I.). (Narasapur General); Latchanna, G. (K.L.P.). (Sompeta); Malakondayya, K. (SC). (C.P.I.). (Ongole Reserved); Mallayya, T. (SC).

(Con.). (Adoni Reserved); Murthy Raju, Ch. S.R.V.P. (Con.). (Tadepalligudem); Naga-bhushanam, G. (Con.). (Rayadurg); Nageshwara Rao, G. (SC). (C.P.I.). (Razole General); Nagi Reddi, T. C. (P.I.). (Anantapur); Narasimha Rao, N. V. L. (P.S.P.). (Guntur); Narasimha Reddi, P. (C.P.I.). (Rajampet General); Narayana, Kavali (SC). (K.L.P.). (Srikakulam Reserved); Narayanappa, S. (Con.). (Kalyandurg General); Narayana Raju, D. (Con.). (Undi); Narayanasamy, M. (C.P.I.). (Ongole General); Neeladri Rao Reddi, Asil (K.L.P.). (Ichapuram); Padmanabha Raju, K. V. S. (P.S.P.). (Alamanda); Pattabhi Ramalah, K. (Ramachandrapuram); Pattabhirammarao, S. B. P. (Con.). (Pamarru); Pentannaidu, M. (ST). (Tadapatri); Pathapatnam Reserved; Potha Raju, T. (C.P.I.). (Vijayanad); Prabakara Choudary, G. (C.P.I.). (Rajahmundry); Prakasam, T. (Srinagarapeta); Pulla Reddi, C. (C.P.I.). (Nandikotkur); Pundarikakshacharyulu, P. (K.L.P.). (Hosuram); Rajagopala Rao, K. (C.P.I.). (Gudlavada General); Rajeswara Rao, M. (SC). (P.S.P.). (Kavur Reserved); Ramabhadra Raju, N.

* Now called Lok Sabha.

† Election declared void.

‡ Of both Houses.

(P.S.P.), (Amalapuram General); Ramabrahmam, D. (Con.), (Palmaner); Ramachandra Rao, P. S. (C.P.I.), (Kovur General); Ramakrishna Reddi, B. (P.S.P.), (Kavali); Ramalinga Reddi, H. (Ind.), (Adoni General); Ramamurthy, K. (K.L.P.), (Golugonda General); Rama Rao, G. (SC), (C.P.I.), (Guduvada-Reserved); Rama Rao, N. V. (K.L.P.), (Burugupudi); Rama Rao, P. (C.P.I.), (Tiruvur); Rama Rao, V. (C.P.I.), (Kanchikacherla); Ramasamy, Thota (Con.), (Peddapuram); Ramesam, K. V. (K.L.P.), (Chodavaram); Rama Reddi, A. (Con.), (Duggirala); Ramajalah, K. (P.S.P.), (Jammalamadugu); Ramiah Chowdary, K. (P.S.P.), (Udayavuri); Ranga Rao, K. (C.P.I.), (Chilakaluripet); Ranga Reddi, P. (Con.), (Cumbum); Rao, C. V. K. (C.P.I.), (Kakinada General); Sangannaidu, P. (Con.), (Palakonda); Sanjeeva Reddi, N. (Con.), (Kalahasti); Sanjivayya, D. (SC), (Con.), (Kurnool-Reserved); Sankara Reddi, N. (Con.), (Kurnool General); Sankaraya, B. (C.P.I.), (Konur); Santhappa, K. (SC), (Con.), (Kalyandrug-Reserved); Satya-

narayana, G. (C.P.I.), (Eluru); Satyanarayana Dora, H. (Con.), (Narasannapeta); Satyanarayana Reddi, P. (Con.), (Anaparti); Seetharamiah, D. (C.P.I.), (Madanapalle); Shantamugam, K. (SC), (Con.), (Kandukur-Reserved); Siddanna Gowd, R. (Ind.), (Madakasira); Sivarami Reddi, N. (C.P.I.), (Kamalapuram); Sivasankara Reddi, G. (Con.), (Hindupur); Sri Krishna, V. (C.P.I.), (Bapalla); Srinivasulu, K. (P.S.P.), (Dharmavaram); Srungaram (SC), (K.L.P.), (Chittoor-Reserved); Subba Raju, B. (P.S.P.), (Bhimavaram); Subba Reddi, K. (C.P.I.), (Palnadi); Subba Reddi, M. (Ind.), (Nandyal); Subbarayudu, C. (P.S.P.), (Tadipatri); Sudarana Varma, R. B. V. (Kurnool-Reserved); Suryachandrarao, P. (P.S.P.), (Alanapuram); Suryanarayana, G. (SC), (P.S.P.), (Vizianagaram-Reserved); Suryanarayana, K. (Ind.), (Bheemampatnam); Suryanarayana Raju, Raja Sagl, (Ind.), (Pajayakarapeta); Syamsundara Rao, P. (SC), (C.P.I.), (Narasapur-Reserved); Thimma Reddi, P. (K.L.P.), (Paluru); Varadachari, K. (Con.), (Tiruttani General); Veerabhadram, M. (C.P.I.), (Paravada); Veeranna Padal, K. (ST), (K.L.P.), (Golugonda-Reserved); Venu Reddi, K. V. (Con.), (Kadira); Vemlah, S. (SC), (Ind.), (Nellore-Reserved); Venkiah, K. (C.P.I.), (Ponnur); Venkatajagga Rao, R. (C.P.I.), (Pithapuram); Venkata Kurmi Naidu, K. (P.S.P.), (Bobbili); Venkataramaraju, A. (C.P.I.), (Razole General); Venkatramiah, N. (P.S.P.), (Narasaraopet); Venkata Setty, K. (Ind.), (Dhone); Venkatasiviah, P. (C.P.I.), (Vinnakonda); Venkatasubba Reddi, M. (P.S.P.), (Kotikuntla); Venkatasubba Reddi, T. N. (Con.), (Ghattu); Venkatasubbayya, P. (SC), (Con.), (Rajampet-Reserved); Venkatasubramaniam, A. (Con.), (Kakalur); Venkatayya, N. (K.L.P.), (Markapur); Venkateswarlu, P. (C.P.I.), (Jaggayyapet); Venkatanarayana Dora, K. (K.L.P.), (Saluru); Venkatramiah, A. (Con.), (Tenali); Venkata Rao, Saka (C.P.I.), (Kakinada-Reserved); Venkataswami Reddi, P. (Con.), (Venkatagiri); Viswanatham, T. (P.S.P.), (Vasakhatnam); Vellamanna Reddi, G. (C.P.I.), (Kamigiri).

Note:—Con.: Congress; C.P.I.: Communist Party of India; K.L.P.: Krishikar Lok Party; Ind.: Independents; P.S.P.: Praja Socialist Party; S.C.F.: Scheduled Castes Federation.

ASSAM ASSEMBLY GENERAL ELECTIONS

Population (excluding tribal areas): 9,043,707 (1951 final).

Electorate: 4,025,001. No. of Seats: 108 (5 for SC, 9 for ST, 17 for ST, in autonomous Districts).

No. of Constituencies: 94 (80 SM, 14 DM.).

Parties	Candidates				Uncontested Gains			Contested Wins			Elected			Valid Votes Polled	Forfeited Deposit
	Set up	Total	SC	ST	Total	SC	ST	Total	SC	ST	Total	SC	ST		
1. Congress ..	92	92	5	11	2	—	2	74	5	9	76	5	11	1,064,852	2
2. Socialist ..	62	62	2	4	—	—	—	4	—	—	4	—	—	332,046	21
3. K.M.P.P. ..	40	40	2	2	—	—	—	1	—	—	1	—	—	146,792	30
4. Jan Sangh ..	3	3	—	—	—	—	—	—	—	—	—	—	—	7,191	3
5. C.P.I.	18	18	2	—	—	—	—	1	—	—	1	—	—	69,431	12
6. Forward Bloc (R) ..	3	1	—	—	—	—	—	—	—	—	—	—	—	4,953	3
7. Hindu Mahasabha ..	1	1	—	—	—	—	—	—	—	—	—	—	—	214	1
8. Bolshevik Party ..	2	2	—	—	—	—	—	—	—	—	—	—	—	4,674	2
9. Revolutionary Socialist ..	1	1	—	—	—	—	—	—	—	—	—	—	—	506	1
10. Independents ..	213	91	4	15	—	—	—	14	—	4	14	—	4	693,906	157
11. Mizo Union ..	3	3	—	3	—	—	—	3	—	3	3	—	3	29,104	—
12. Khasi Jaintia Durbar ..	1	4	—	3	—	—	—	1	—	1	1	—	1	24,248	—
13. Tribal Sangh ..	2	2	—	1	—	—	—	—	—	—	—	—	—	15,846	1
14. All Peoples' Party ..	3	3	—	—	—	—	—	1	—	—	1	—	—	14,930	1
15. Garo National Council ..	4	4	—	4	1	—	1	2	—	2	3	—	3	11,577	—
16. Khasi Jaintia National Federated States Conference ..	1	1	—	1	—	—	—	1	—	1	1	—	1	9,441	—
17. United Mizo Freedom Organization ..	3	3	—	3	—	—	—	—	—	—	—	—	—	9,070	1
18. Khasi Jaintia Rural Organization ..	1	1	—	1	—	—	—	—	—	—	—	—	—	4,719	—
19. Tribal League ..	1	1	—	—	—	—	—	—	—	—	—	—	—	2,350	1
Total ..	457	—	—	—	3	—	3	102	5	20	105	5	23	2,448,890	236

Note:—Elections for 3 reserved seats for Scheduled Tribes in the Naga Hills had not been held at the time of the General Elections.

ASSAM LEGISLATIVE ASSEMBLY

Speaker: Kuladhar Chaliha.

Dy. Speaker: Rajendra Nath Barua.

Secretary: R. N. Barua.

Pu Lalbuala (ST), (Con.), (Aijal-East (R)); Pu Ch. Saprawnga (ST), (Con.), (Aijal-West (R)); Robin Kakoti (Con.), (Amguri); Maulana Abdul Jallil (Con.), (Badarpur); Harison Momin (ST), (Con.), (Baghmara (R)); Raichand-Nathi (Con.), (Barkhola); Mahendra Mohan Choudhury (Con.), (Barpeta-North-East); Mahadeb Das (SC), (Con.), (Barpeta-North-East (R)); Tajuddin Ahmed (P.S.P.), (Barpeta-West); Saricawar Boruwa (Con.), (Bihpuria); Swami Krishnananda Brahmachari (Con.), (Bijni); Md. Umaruddin (Ind.), (Bilaspur); Radha Charan Chaudhury (P.S.P.), (Boko); Manik Chandra Das (Con.), (Bordubi); Maham Singh (ST), (K.J.D.), (Cherra (R)); Aaran Sangma (ST), (Con.), (Dainadubi (R)); Debeswar Rajkhowa (Con.), (Dergaon); Omeo Kumar Das (Con.), (Dhekrajuli-North); Mohi Kanta Das (Con.), (Dhekrajuli-South); Tamizuddin Prodham (Ind.), (Dhubri); Ramesh Chandra Barooah (Con.), (Dibrugarh-East); Mouli Faltzur Ali (Con.), (Dibrugarh-West); Dalbir Singh Lohar (Con.), (Digboi); Jadab Chandra Khakhari (ST), (Con.), (Digboi (R)); Harihar Chowdhury (Con.), (Doom Dooma); Gaurisankar Bhattacharyya (C.P.I.), (Gauhati); Khagendra Nath (Con.), (Goalpara); Hakim Chandra Rabha (ST), (Con.), (Goalpara (R)); Gohan Chandra Goswami (Con.), (Gohpur); Rajendra Nath Barua (Con.), (Golaghat-East); Chanoo Kheria (Con.), (Golaghat-West); Mal Chandra Pegu (ST), (Con.), (Golaghat-West (R)); Santosh Kumar Barua (Con.), (Golaghat); Jatindra Narayan Das (Con.), (Gosagaon); Abdul Matlib Mazumdar (Con.), (Hailakandi); Hem Chandra Chakravarty (Con.), (Hailakandi-Silchar); Bishnu Ram Medhi (Con.), (Haajo); Jogakanta Barua (Con.), (Jaipur); Shri Bimala Kanta Barua (Con.), (Jamunamukh); Nilmani Phookan (Con.), (Jorhat North); Ram Nath Das (SC), (Con.), (Jorhat North (R)); Kuladhar Chaliha (Con.), (Jorhat South); U. Kistobin Rymbai (ST), (Con.), (Jowai (R)); Dandi Ram Dutta (P.S.P.), (Kalaigaon); Shri Lila Kanta Barah (Con.), (Kaliabor); Mohendra Nath Deka (Con.), (Kamalpur); Ranendra Mohan Das (P.S.P.), (Karimganj); Namwar Ali Barbhuiya (Con.), (Kalgura); Gouri Sankar Roy (Con.), (Kaliacherra); Raja Ajit Narayan Deb of Sidli (Ind.), (Kokrajhar Sidli); Rupnath Brahma (ST), (Con.), (Kokrajhar Sidli (R)); Nurul Islam (Con.), (Laharighat); Ram Prosad Chaubey (Con.), (Lakhipur); Raghunandan Dhubi (SC), (Con.), (Lakhipur (R)); Pu R. Dengthuma (ST), (Con.), (Lungleh (R));

* Died on March 25, 1954.

Purandar Sarma (Con.), (Mangaldai); Kobad Hussain Ahmed (Con.), (Mankachar); Matiram Bara (Con.), (Margaon Dhring); Ballram Das (ST), (Con.), (Margaon Dhring (R)); Khorsing Terang (ST), (Con.), (Mikir Hills-East (R)); Nihang Rongfer (ST), (Con.), (Mikir Hills-West (R)); Ghana Kanta Gogoi (A.P.P.), (Moran); (Vacant), (Naga Hills-Central, Naga Hills-North and Naga Hills-South); Prabhat Chandra Goswami (Con.), (Nabari-North); Prafulla Goswami (Con.), (Nabari-South); Ananda Chandra Bezbaruha (Con.), (Nazira); Thanuram Gogoi (Con.), (Nazira-Sonari); A. Alley (ST), (Con.), (Nongpoh (R)); Ajra Singh Khongphal (ST), (Ind.), (Nongstoin (R)); Joybhadra Hagjer (ST), (Con.), (North-Cachar Hills (R)); Hem Chandra Hazarika (Con.), (North-Lakhimpur); Karka Chandra Doley (ST), (Con.), (North-Lakhimpur (R)); Haraswar Das (Con.), (North-Salmara); Pratap Chandra Sarma (Con.),

(Nowgong-Rah); Mahendra Hazarika (SC), (Con.), (Nowgong-Rah (R)); Hareswar Goswami (P.S.P.), (Palasbari); Sashadhar Ghose (Con.), (Panery); Davidson Bhobora (ST), (Con.), (Panery (R)); Narnarayan Goswami (Con.), (Palacharkuchi-Barama); Balkuntha Nath Das (ST) (Con.), (Palacharkuchi-Barama (R)); Mouvi Mahmud Ali (Con.), (Patharkandi Karimganj); Emonsing Sangma (ST), (Con.), (Phulbari (R)); Radhika Ram Das (Con.), (Pub-Bangar Silasundari Ghopa); Siddhi Nath Sarma (Con.), (Rangiya); Dharanidhar Basumatari (ST), (Con.), (Rangiya (R)); Baldyanath Mookerjee (Con.), (Ratarbari-Patharkandi); Ramesh Chandra Das Choudhury (SC), (Con.), (Ratarbari-Patharkandi (R)); Mahammad Idris (Con.), (Rupahat); Shrimati Usha Barthakur (Con.), (Samaguri); J. J. M. Nichols Roy (Con.), (Shillong); Girindra Nath Gogoi (Con.), (Subagar); Mehrab Ali Laskar (Ind.), (Sulchar); Molnu Haque Chou-

dhury (Con.), (Sulchar-Sonai); Nanda Kishore Sinha (Con.), (Sonai); Purnananda Chetia (Con.), (Sonari); Bijooy Chandra Bhagabati (Con.), (Sootea); Akshoy Kumar Das (Con.), (Sorbhog); Md. Sahadatall Mandal (Ind.), (South Salmara); Mouvi Md. Pahar Khan (Ind.), (Tarabari); Hari-narayan Baruah (Con.), (Teok); Biswadev Sarma (Con.), (Tezpur-North); Kamala Prasad Agar-walla (Con.), (Tezpur-South); Indreswar Khound (Con.), (Tinsukia-North); Jadunath Bhuyan (Con.), (Tinsukia-South); Sarju Prasad Singh (A.P.P.), (Titabar); Emerson Momin (ST), (Con.), (Tura (R)).

Abbreviations: Con.: Congress; Ind.: Independent; C.P.I.: Communist Party of India; P.S.P.: Praja Socialist Party; G.N.C.: Garo National Council; K.J.D.: Khasi Jaintia Durbar; A.P.P.: All Peoples' Party.

BIHAR LEGISLATIVE COUNCIL

(An estimate of the party strength is as follows: Congress 53; Independents 7; Teachers 6; Janta 2; P.S.P. 2; Jharkand 1; Forward Bloc 1).
Chairman: Shyamna Prasad Sinha. Dy. Chairman: Rai Brajraj Krishna.

Assembly Constituency.

Abu Hayat Chand; Amin Ahmad; Basanta Chandra Ghose*; Ramanand Chaudhury*; Gauri Shankar Dalmia*; Shrinati Rampyari Devi*; Habibul Haque; Barlar Hembram*; Jaideva Narayan; Jutu Lal; Shrinati Nayama Khatoon Haider; Nurullah; Radha Govind Prasad*; Shah Muhammad Ozair Munemi; Indra Narayan Singh; Kusheshwar Sinha; Raghubans Prasad Singh*; Ram Shekhar Prasad Singh; Shree Krishna Singh; Kamta Prasad Sinha (Kam.); Shyamna Prasad Sinha; Gita Prasad Singh; Brajendra Narain Yadav; Sitaram Yadav*.

Patna Local Authorities.

Deva Sharan Sinha; Mahanth Mahadevanand Giri; Kumar Jha*; Sheonath Prasad; Vishnu Shankar*; Mathura Prasad Singh.

Patna Teachers.

Dharam Raj Kishore*.

Patna Graduates.

Krishna Bahadur*; Singheshwari Prasad*.

Tirhut Local Authorities.

Brajendra Bahadur; Kumar Kalyan Lal; Baldyanath Mishra*; Braj Bihari Prasad; Ram Bahadur Roy*; Shri Niwas Narain Sinha.

Tirhut Teachers.

Mathura Prasad Dubey.

Tirhut Graduates.

Sawalla Bihari Lal Verma; Lakshmi Nath Jha.

Bhagalpur Local Authorities.

Beer Narain Chand*; Jageshwar Mandal; Sagar Mohan Pathak*; Jamuna Prasad Singh; Mayanand Thakur; Qudratullah.

Bhagalpur Teachers.

Bindeshwari Prasad Misra; Hargauri Tiwari

Bhagalpur Graduates.

Ravaneshwar Misra.

Chota-Nagpur Teachers.

Mahendra Prasad*; Sasanka Sekhar Ghosh.

Chota-Nagpur Graduates.

Anil Kumar Sen.

Chota-Nagpur Local Authorities.

R. Narsingh Rao; Ram Prakash Lal; Ajit Prasad Singh Deo; Kantu Kumar Lal*; Subodh Kumar Sen; Sambhunath Roy*.

Nominated.

Mohan Lal Mahto 'Viyogi'; Jagannath Prasad Mishra; Dr. Tridib Nath Banarji; Lady Anise Inam; Narayanji; Brajmandan Prasad*; Fateh Narain Singh*; Rameshwar Prasad Singh*; Rai Brijraj Krishna; Harendra Bahadur Chandra*; Ramcharan Sinha; Jaideva Prasad.

* Were due to retire as from May 6, 1954. The following: all sitting members had been re-elected at the time of going to press, Krishna Bahadur, Singheshwari Prasad, Mahendra Prasad, Beer Narain Chand, Sagar Mohan Pathak.

BIHAR ASSEMBLY GENERAL ELECTIONS

Population: 40,225,947 (1951 final).

Electorate: 18,060,181.

Constituencies: 276 (222 SM, 54 DM).

Seats: 330 (44 SC, 85 ST).

Parties		Candidates				Uncontested Gains			Contested Wins			Elected			Valid Votes Polled	Forfeited Deposit
		Set up	For Seats			Total	SC	ST	Total	SC	ST	Total	SC	ST		
			Total	SC	ST											
1.	Congress	321	322	42	28	1	—	—	239	36	7	243	36	7	3,957,091	5
2.	Socialist	265	265	35	7	—	—	—	23	3	—	23	3	—	1,727,707	107
3.	Kisan Mazdoor Praja Party	97	97	4	—	—	—	—	1	—	—	1	—	—	263,766	78
4.	Jan Sangh	49	49	3	1	—	—	—	—	—	—	—	—	—	118,346	46
5.	Communist Party of India	24	24	2	3	—	—	—	—	—	—	—	—	—	108,671	16
6.	Scheduled Castes Federation	2	2	2	—	—	—	—	—	—	—	—	—	—	4,971	2
9.	Hindu Mahasabha	5	5	—	—	—	—	—	—	—	—	—	—	—	12,870	5
7.	Ram Rajya Parishad	28	28	1	—	—	—	—	1	—	—	1	—	—	62,546	27
8.	Forward Bloc (M)	34	34	4	—	—	—	—	1	—	—	1	—	—	107,386	31
10.	Forward Bloc (R)	1	1	—	—	—	—	—	—	—	—	—	—	—	613	1
11.	Revolutionary Social-ist Party	6	6	—	—	—	—	—	—	—	—	—	—	—	8,773	6
12.	Bolshevik Party	1	1	—	—	—	—	—	—	—	—	—	—	—	605	1
13.	Other Parties*	132	136	16	41	—	—	—	51	4	28	48	4	23	1,344,749	45
14.	Independents	618	255	30	20	—	—	—	18	1	—	13	1	—	1,825,545	506
Total		1,583	—	—	—	1	—	—	329	44	35	330	44	35	9,544,439	876

* Santal Parganas Janata Party set up 43 candidates, won 11 seats, polled 332,085 votes, forfeited 22 deposits. Jharkhand Party set up 58 candidates, won 32 seats, polled 766,392 votes, forfeited 5 deposits. Kisan Sabha set up 21 candidates, did not win any seats, polled 81,618 votes, forfeited 15 deposits. Lok Sewak Sangh set up 12 candidates, won 7 seats, polled 148,923 votes, forfeited one deposit. Adibasi Mahasabha set up 2 candidates, did not win any seats, polled 1,654 votes, forfeited 2 deposits. Ganatantra Parishad set up one candidate, won one seat, polled 34,387 votes, did not forfeit any deposit.

There were 14 women elected, including one Scheduled Caste candidate, and 24 Muslims elected on the Congress ticket and one Independent. One, Dr. Syed Mahmud, was returned to Two Ministers out of nine were defeated and Parliament.

BIHAR LEGISLATIVE ASSEMBLY

Speaker : Vindeshwari Prasad Varma.

Dy. Speaker : Jagat Narayan Lal.

Ramsunder Tiwary (Con.), (Adapur); Tanuk Lal Yadav (P.S.P.), (Alamnagar); Mohammad Tahir (Con.), (Amour); Hazi Ziaur Rahman (Ind.), (Araria); Ambica Singh (Arak Mofussil); Rangbahadur Prasad (Con.), (Arak Town); Gudan Singh (P.S.P.), (Arwal); Tajuddin (Con.), (Aithawan); Rameshwar Prasad Yadav (Ind.), (Atri); Priyabrata Narain Sinha (Con.), (Aurangabad); Shrimati Parbati Devi (Con.), (Azamnagar); Mithan Chowdhary (Con.), (Bachh-wara); Kedar Pandey (Con.), (Bagaha-cum-Ramnagar); Jagannath Prasad (SC) (Con.), (Bagaha-cum-Ramnagar (R)); Shrish Chandra Banerjee (L.S.S.), (Baghmunda); Tapeshwar Deo (Con.), (Bagodar); Mohammad Ehsan M.L.A. (Con.), (Bahadurganj); Jal Narain Jha Vineet (Con.), (Bahara North); Narendra Nath Das (Con.), (Bahara North-East); Shrimati Krishna Devi (Con.), (Bahara South); Shivabachan Trivedy (Con.), (Baikunthpur); Abul Ahad Mohammad Noor (Con.), (Bansi); Shivbrat Narayan Singh (Con.), (Bakhti); Shrimati Sundari Devi (Con.), (Bakhtiarpur); Jhya Lal Mandal (Con.), (Bakhtiarpur-cum-Chautham); Mishri Mushar (SC) (Con.), (Bakhtiarpur-cum-Chautham (R)); Raja Kal Prasad Singh (J.P.), (Bahapur); Brahmdoo Narayan Singh (Con.), (Balia); Vishwanath Prasad Mishra (Con.), (Banapur); Raghvendra Narain Singh (Con.), (Banka); Bihni Chandra Mahto (L.S.S.), (Barabazar-cum-Chandil); Atul Chandra Singh Bhuiya (ST) (L.S.S.), (Barabazar-cum-Chandil (R)); Ram Bilas Sinha (R. & P.), (Barahra); Mian Abdul Gafoor (Con.), (Baraut); Krishnamohan Peary Singh (Con.), (Barbigha); Lallan Prasad Singh (Con.), (Barhampur); Saghirul Haque (Con.), (Barharwa); Rana Sheo Lakshpati Sinha (Con.), (Barhi); Rameshwar Prasad Maitha (J.P.), (Barhi); Ramnarain Choudhary (P.S.P.), (Baripur); Kamakeshya Narayan Singh (J.P.), (Barkagaon); Ramchandra Prasad Sahi (Con.), (Barug); Harikishore Prasad (Con.), (Basantpur East); Krishnakant Singh (Con.), (Basantpur West); Junas Suren (ST), (Jharkhand), (Basia (R)); Md. Ilyas (Con.), (Begusarar North); Sarjoo Prasad Singh (Con.), (Begusarar South); Shilpi Prasad Bhagat (Con.), (Belhar-cum-Katoria); Piroo Manjhi (ST), (Con.), (Belhar-cum-Katoria (R)); Subodh Narayan Yadav (Ind.), (Bempatti East); Md. Shafi (Con.), (Bempatti West); Herman Lakra (ST) (Jharkhand) (Hero (R)); Smt. Ketaki Devi (Con.), (Bettiah); Ram Nagina Singh (Con.), (Bhabha-cum-Mohanja); Dularechand Ram (SC), (Con.), (Bhabha-cum-Mohanja (R)); Syed Maqbool Ahmad (Con.), (Bhagalpur Mofussil); Sateyendra Narula Agrawal (Con.), (Bhagalpur Town); Girwardhar Singh (Con.), (Bihar North); Syed Mohammad Aqil (Con.), (Bihar South); Shrimati Manorma Devi (Con.), (Bihari); Hemraj Yadav (Con.), (Bikramganj); Deochandra Miara (Con.), (Biruau); Jagdishwar Prasad Khalish (Con.), (Bodh Gaya-cum-Parvati); Rameshwar Manjhi (SC) (Con.), (Bodh Gaya-cum-Parvati (R)); Lakshmikanth Tiwary (Con.), (Buzar); Deocharan Manjhi (ST), (J.P.), (Chainpur (Ranchi Dist.)); Guptanath Singh (Con.), (Chainpur (Shahabad Dist.)); Sukhdeo Manjhi (ST), (Jharkhand), (Chakradharpur (R)); Dhanraj Sharma (Con.), (Chandi); Murl Manohar Prasad (Con.), (Chapra Town); Prabhunath Singh (Con.), (Chapra Mofussil-cum-Gurkha); Jaglal Chawdhary (SC) (Con.), (Chapra Mofussil-cum-Gurkha (R)); Sukhal Singh (Con.), (Chatra); Nand Kishore Singh (J.P.), (Chauhan); Ramjanam Mahto (Con.), (Colong); Sahdeo Mahto (Con.), (Deisingar East); Devaki Nandan Jha (Con.), (Deisingar West); Amla Kumar Ghosh (Con.), (Daitong); Lakshmi Narayan Sudhanu (Con.), (Damdaha-cum-Koria); Bhoja Paswan (SC), (Con.), (Damdaha-cum-Koria (R)); Ramayan Shukla (Con.), (Daraul); Sayeedul Haque (Con.), (Darbhanga); Hridaya Narayan Chaudhary (Con.), (Darbhanga North); Radhakant Choudhary (Con.), (Darbhanga South); Babul Mahto (SC), (Con.), (Darbhanga South (R)); Ram Naresh

Singh (P.S.P.), (Daudnagar); Basawan Singh (P.S.P.), (Dehri); Bhubneshwar Pandey (F.B. (M)), (Deoghar); Maulvi Mahashood (Con.), (Dhaka); Sudama Misir (Con.), (Dhanah); Purushottam Chowhan (Con.), (Dhanbad); Punil Rai (Con.), (Dhamwar); Ramesh Jha (P.S.P.), (Dharkara); Pashupati Singh (Con.), (Dhuraia-cum-Amarpur); Bholanath Das (SC), (Con.), (Dhuraia-cum-Amarpur (R)); Ramblindod Singh (Con.), (Digh-wara); Jagat Narayan Lal (Con.), (Dinapur); Ramanand Upadhyaya (Con.), (Dinara); Debi Soren (ST), (Jharkhand), (Dumka (R)); Harithar Prasad Singh (Con.), (Dumraon); Lal Singh Tyagi (Con.), (Ekangar Sarai); Lakshmi Narain Singh (Con.), (Ekma); Shiva Mahadood Prasad (P.S.P.), (Fatuah); Bokai Mandal (Con.), (Forbes-ganj); Kesho Prasad (Con.), (Gaya Town); Mukund Ram Tanti (Jharkhand), (Ghatila-cum-Baharagora); Ghaniram Shanthai (ST), (Jharkhand), (Ghatila-cum-Baharagora (R)); Ram Ajodhya Prasad (P.S.P.), (Gorakhan); Ramchandra Yadav (Ind.), (Ghosi); Krishna Ballabh Sahay (Con.), (Gurudh-cum-Dumri); Lachuman Manjhi (ST), (Con.), (Gurudh-cum-Dumri (R)); Budhinath Jha (Con.), (Goddad); Babulal Tudu (ST), (Jharkhand), (Goddad Damin (R)); Ghan-shyam Singh (Con.), (Gogri); Mudrika Singh (P.S.P.), (Goh); Abdul Quyum Ansari (Con.), (Gomia); Kamla Rai (Con.), (Gopalganj); Sheo-dhar Pandey (Con.), (Gopalganj); Sukra Oraon (ST) (Jharkhand), (Guma (R)); Sarjug Prasad (Con.), (Haypur); Shrimati Janak Kishori Devi (Con.), (Harlakhi); Haribansh Sahai (Con.), (Har-sidhi); Rajkishore Singh (Con.), (Hussainabad-cum-Garhwa); Deochand Ram Pasi (SC), (Con.), (Hussainabad-cum-Garhwa (R)); Shiva Saran Prasad Sharma (Con.), (Islampore-cum-Silao); Mahabir Prasad (SC), (Con.), (Islampore-cum-Silao (R)); Chaudhary Mhd. Afaq (Con.), (Islampore); Raja Ram Arya (Con.), (Itarhi); Shrimati Sumitra Devi (Con.), (Jagdishpur); Sheobhajan Singh (P.S.P.), (Jahanabad); Mahabir Kumar (Con.), (Janaganj); Abdul Sami Nadvi (Con.), (Jale); Ankura Ho (ST), (Jharkhand), (Jamda (R)); Jugendra Mahto (Con.), (Jamalpur Town); Shivchandra Prasad (Con.), (Jamshedpur); Satrugna Besra (ST), (Jharkhand), (Jamra (R)); Sattanand Prasad (Con.), (Jamua-cum-Guwan); Kishun Ram Das (SC), (Con.), (Jamua-cum-Guwan (R)); Chandrasekhar Singh (Con.), (Jajaha); Debendra Nath Mahato (Con.), (Jaldia); Kapileshwar Shastri (Con.), (Jehanpur); Haripada Singh (Jharkhand), (Jugatalai-cum-Potka); Kallan Prasad (SC), (Jharkhand), (Jugatalai-cum-Potka (R)); Jibata Sharma Himanshu (Con.), (Kadwa); Jamuna Tripathi (Con.), (Kanti); Maulvi Mohiuddin Mukhtar (Con.), (Karanaghi); Ananda Prasad Chakravorty (Ind.), (Kashipur-cum-Raghnathpur); Budhan Manjhi (ST), (Con.), (Kashipur-cum-Raghnathpur (R)); Nand Kishore Narayan (Con.), (Katesa-cum-Thore); Chandrika Ram (SC), (Con.), (Katesa-cum-Thore (R)); Sukdeb Narayan Singh (Con.), (Kakhar-cum-Barari); Babulal Manjhi (ST), (Con.), (Katihar-cum-Barari (R)); Mathura Prasad Singh (Con.), (Katra North); Nitishwar Prasad Sinha (Con.), (Katra South); Shrimati Manorama Sinha (Con.), (Katra); Shrimati Pravawati Gupta* (Con.), (Kesaria); Dwaraka Prasad (Con.), (Khararia); Ahmed Shakoar (Con.), (Khejauli); Dr. Shri Krishna Sinha (Con.), (Kharapur); Ujendra Lal Ho (ST), (Jharkhand), (Kharawan (R)); Lucas Munda (ST), (Jharkhand), (Khunti (R)); Rautmal Agarwala (Con.), (Kishanganj Bhagalpur Dist.); Kamleshwar Prasad Yadav (Con.), (Kishanganj (Purnea Dist.)); Awadh Bihari Dikshit (Con.), (Koderma); S. K. Bage (ST), (Jharkhand), (Kole-bira (R)); Sidhu Hembrom (ST), (Jharkhand), (Koldan (R)); Sheo Kumar Pathak (Con.), (Kuchitot); Kapil Deo Narain Singh (Con.), (Kurhani); Ram Charan Singh (P.S.P.), (Kurtha); Durga Mandal (Con.), (Lachmipur-cum-Jamui); Guru Chamar (SC), (Con.), (Lachmipur-cum-Jamui (R)); Deo Narain Jadab (Con.), (Ladania); Laliteswar Prasad Sahi (Con.), (Lalganj); Chandramani Lal Choudhary (SC), (Con.), (Lalganj (R)); Girja Nandan Singh (Con.),

(Latehar-cum-Manatu); Bhagirath Singh (ST), (Con.), (Latehar-cum-Manatu (R)); Yogeshwar Ghosh (Con.), (Laukaha); Bhubneshwar Chhaube (Con.), (Leslieganj-cum-Chhatarpur); Jitu Ram (SC), (Con.), (Leslieganj-cum-Chhatarpur (R)); Ignas Kujur (ST), (Jharkhand), (Lohardaga (R)); Janki Nandan Singh (Con.), (Madhapur); Brij Behari Sharma (Con.), (Madhuban); Harinath Mishra (Con.), (Madhubani); Ram Krishna Mahto (SC), (Ind.), (Madhubani (R)); Janki Prasad Singh (Con.), (Madhubani-cum-Sarak); Gokul Mahra (SC), (Jharkhand), (Madhubani-cum-Sarak (R)); Pt. Bindonand Jha (Con.), (Mahagama); Mahamaya Prasad Sinha (P.S.P.), (Maharaganj); Jitu Kisku (ST), (Jharkhand), (Maheshpur (R)); Ramprasad Rai (Con.), (Mahudinnagar); Dip Narain Singh (Con.), (Mahar); Birendra Patel (Con.), (Mahua); Phudeni Prasad (SC) (P.S.P.), (Mahua (R)); Gadadhar Prasad (Con.), (Maithra); Shrimati Rmadulari Sinha (Con.), (Majorganj); Rameshwar Yadav (Ind.), (Makh-dumpur); Satya Kinkar Mahata (L.S.S.), (Man-bazar-cum-Patamda); Nital Singh Sardar (ST), (L.S.S.), (Manbazar-cum-Patamda (R)); Shoma Bhagat (ST), (Con.), (Mandar (R)); Rameshwar Prasad Shastri (Con.), (Maner); Surendranath Birua (ST), (Jharkhand), (Manjori (R)); Girish Tewary (Con.), (Manjhi); Shubhnath Deogan (ST), (Jharkhand), (Manoharpur (R)); Jamuna Prasad Singh (P.S.P.), (Marhaura); Madan Besra (ST), (Jharkhand), (Masalia (R)); Balj-nath Singh (Con.), (Masrahk North); Sukhdeo Narain Singh Maitha (Con.), (Masrahk South); Janak Singh (Con.), (Minapur); Janardan Sinha (Con.), (Murgan); Jagdish Narayan Singh (Con.), (Mokamah); Nirapada Mukherjee (Con.), (Monghyr Town); Ganesh Prasad Shah (Con.), (Mothari-cum-Pipra); Jamuna Ram (SC), (Con.), (Mothari-cum-Pipra (R)); Shivanandan Prasad Mandal (Con.), (Murliganj); Mahesh Prasad Sinha (Con.), (Muzaffarpur-cum-Sakra); Shiva-nandan Ram (SC), (Con.), (Muzaffarpur-cum-Sakra (R)); Vindhayeshwari Prasad Varma (Con.), (Muzaffarpur Town); Anugrah Narayan Sinha (Con.), (Nabinagar); Shrimati Rajeshwari Saroj Das (Con.), (Nagar-Undari); Krishna Gopal Das (Ind.), (Narainpur); Ramnarain Mandal (Con.), (Narpatganj-cum-Dharkara); Dumarai Baltha (SC), (Con.), (Narpatganj-cum-Dharkara (R)); Raghunandan Prasad Kumar (Con.), (Nauagachhia-cum-Bhupur); Shrimati Parbati Devi (Con.), (Naulan); Ramkishun Singh (Con.), (Navada-cum-Havva); Shakti Kumar (SC), (Con.), (Navada-cum-Havva (R)); Kamla Prasad Gupta (Con.), (Nirmali); Raghunath Prasad (Con.), (Nokha); Fadarati Singh (P.S.P.), (Obra); Shrimati Jyotirmayee Devi (Con.), (Pakaur); Ramcharan Kisku (ST) (Jharkhand), (Pakaur Damin (R)); Dr. Manzoor Ahmed (Con.), (Pakribarwan-cum-Warsaliganj); Chetu Ram (SC), (Con.), (Pakribarwan-cum-Warsaliganj (R)); Punyanand Jha (Con.), (Palani); Ramlakhan Singh Yadav (Con.), (Paliganj); Shankari Prasad Deo (Ind.), (Para-cum-Chas); Sarat Mochi (SC), (Con.), (Para-cum-Chas (R)); Jagdish Narayan Mandal (Con.), (Parayahat-cum-Jarmundi); Chumka Hembrom (ST), (Jharkhand), (Parayahat-cum-Jarmundi (R)); Tribeni Kumar (P.S.P.), (Parbatta); Daroga Prasad Ray (Con.), (Para); Nawal Kishore Singh (Con.), (Paru North); Harithar Saran Dutta (Con.), (Puru South); Gadadhar Sinha (Con.), (Patahi); Nathuni Lal Mahto (P.S.P.), (Patepur); Nawabzada Syed Md. Mehdi (Con.), (Patna City East); Acharya Badri Nath Varma (Con.), (Patna City West-cum-Naubatpur); Mungeri Lal (SC), (Con.), (Patna City West-cum-Naubatpur (R)); Bindeshwar Duby (Con.), (Patarbar); Kashi Nat. Mishra (Con.), (Phulparas); Sia Ram Singh (Con.), (Pipraini); Khubli Mahto (Con.), (Pratapganj); Ramkhalawan Sinha (Con.), (Punpun-cum-Mas-urhi); Shrimati Saraswati Choudhary (SC), (Con.), (Punpun-cum-Masurhi (R)); Doctor Habib (Con.), (Pupri North); Mahant Shyamnarayan Das (Con.), (Pupri South); Kamaldeo Narayan Sinha (Con.), (Purnea); Samarendra Nath Ojha (L.S.S.), (Purulia-cum-Hura); Dinu

* Election declared void.

Charmakar (SC). (I.S.S.), (*Purulia-cum-Hura* (R)); B. M. Latifur Rahman (Con.), (*Rafigang*); Haribanshi Narain Singh (Con.), (*Raghopur*); Ramanand Yadav (Con.), (*Raghunathpur*); Radha Krishna Prasad Sinha, (Con.), (*Rajauli cum Wazirang*); Mahabir Choudhary (SC), (Con.), (*Rajauli-cum-Wazirang* (R)); Md. Burahanuddin Khan (Con.), (*Rajmahal*); Jetha Kiaku (ST), (Jharkhand), (*Rajmahal Damin* (R)); Basant Narain Singh (J.P.), (*Ramgarh-cum-Hazribagh*); Bilgan Ram (SC), (J.P.), (*Ramgarh-cum-Hazribagh* (R)); Supai Murmu (ST), (Jharkhand), (*Ramgarh* (R)) (*Santal Parganas Dist.*); Ram Chandra Rai (Con.), (*Ramgarh* (*Shahabad Dist.*)); Paul Dayal (Jharkhand), (*Ranchi* (R)); Ram Ratan Ram (SC), (Con.), (*Ranchi* (R)); Radha Pandey (Con.), (*Razaul*); Mahabir Rout (Con.), (*Rosera*); Balleshwar Ram (SC), (Con.), (*Rosera* (R)); Vivekanand Gir (Ind.), (*Runisaidpur*); Mohit Lal Pandit (P.S.P.), (*Rupauli*); Deonaryan Singh (Con.), (*Sahar*); Brijnandan Prasad Singh (Con.), (*Sahibganj*); Ramanand Tiwari (P.S.P.) (*Sahpur*); Yadanandan Sahay (Con.), (*Samatipur*); Sunder Mahto (SC), (Con.), (*Samatipur* (R)); Jagannath Singh (Con.), (*Sasaram-cum-Rohas*); Govind Chamar (SC), (Con.), (*Sasaram-cum-Rohas* (R)); Upendra Narayan Singh (Con.), (*Sawar Bazar*);

cum-Sonbarsa); Jogeshwar Hazra (SC), (Con.), (*Sawar Bazar-cum-Sonbarsa* (R)); Mihir Kabi (Ind.), (*Seraikella*); Shah Mushtaq Saheb (Con.), (*Sheikhpura-cum-Sikandra*); Raghunandan Prasad (SC), (Con.), (*Sheikhpura-cum-Sikandra* (R)); Thakur Girijanand Singh (Con.), (*Sheohar Belsand*); Chulhai Dusadh (SC), (Con.), (*Sheohar Belsand* (R)); Jaglal Mahto (Con.), (*Sherghati-cum-Imamganj*); Deodhari Chamar (SC), (Con.), (*Sherghati-cum-Imamganj* (R)); William Hembrom (ST), (Jharkhand), (*Shikari-pura* (R)); Bishwanath Singh (Con.), (*Shikarpur-cum-Lauria*); Raghunil Baltha (SC), (Con.), (*Shikarpur-cum-Lauria* (R)); Faizul Rahman (Con.), (*Sikta*); Bhola Nath Bhagat (Con.), (*Sili*); Alfred Uraon (ST), (Jharkhand), (*Simdega* (R)); Gajendra Narain Singh (Con.), (*Singhia*); Balla Bhagat (ST), (Jharkhand), (*Sisai* (R)); Damodar Jha (P.S.P.), (*Sitamarhi*); Rameshwar Saran (Ind.), (*Sitamarhi South*); Kuldip Narayan Yadav (Con.), (*Sitamarhi West*); Shankar Nath (Con.), (*Sivan*); Ram Basawan Ram (SC) (Con.), (*Sivan* (R)); Jagannath Mahto (Jharkhand), (*Sonahatu*); Tildhari Mahto (Ind.), (*Sonbarsa Frontier*); Jagdish Sharma (Con.), (*Sonepur*); Jainarayan Prasad (Con.), (*Sugauli*); Rash Bihari Lal (Con.), (*Sullangan*); Sri Lalton Choudhary (Con.),

(*Supaul*); Rajeswari Prasad Singh (Con.), (*Surajgarha-cum-Lakhisarai*); Bhagwat Prasad (SC), (Con.), (*Surajgarha-cum-Lakhisarai* (R)); Ramcharitra Rai Yadav (Ind.), (*Sursand*); Kapoori Thakur (P.S.P.), (*Tajpur*); Niyaran Munda (Jharkhand), (*Tamar*); Basukinath Rai (Con.), (*Tarapur*); Radha Mohan Rai (P.S.P.), (*Tarari-cum-Piro*); Debi Dayal Ram (SC), (P.S.P.), (*Tarari-cum-Piro* (R)); Ramcharitra Singh (Con.), (*Teghra*); Mithleshwar Prasad Singh (Con.), (*Tekari*); Anath Kant Basu (Con.), (*Thakurganj*); Purnendu Narain Singh (J.P.), (*Topchanchi*); Bindeswari Prasad Mandal (Con.), (*Tribeniganj-cum-Madhipura*); Bholl Saridar (SC), (Con.), (*Tribeniganj-cum-Madhipura* (R)); Ram Narain Sharma (Con.), (*Tundi-cum-Nirsa*); Tika Ram Manjhi (ST), (Con.), (*Tundi-cum-Nirsa*); Basilethi Narain Singh (P.S.P.), (*Warisnagar*); Dhanpat Paswan (SC), (P.S.P.), (*Warisnagar* (R)).

Abbreviations: Con.—Congress; Ind.—Independent; P.S.P.—Praja Socialist Party; J.P.—Janata Party; I.S.S.—Lok Sevak Sangh; F.B. (M).—Forward Bloc (Marxist); R. R. P.—Ram Rajya Parishad; S.T.—Scheduled Tribe; S. C.—Scheduled Caste.

BOMBAY LEGISLATIVE COUNCIL

(An estimate of party strength is as follows: Congress 58; Independents 8; P.S.P. 3, Peasants and Workers 2, Hindu Mahasabha 1.)

Chairman: R. S. Hukerikar.

Dy. Chairman: V. G. Limaye

Agrawal, Kashinath Mannalal (Elected by Assembly); Ambekar, G. D.* (Nominated); Barilvala, Chunilal Damodar* (Bombay City, Local Authorities); Belawadi, Gavishuddappa Shiddappa (Elected by Assembly); Brannikar, Sadas Shiv Laxman (Elected by Assembly); Bhat, Atmaram Rajul (Elected by Assembly); Bhatt, Premshanker Keshavram* (Surat, Local Authorities); Bhatt, Santprasad Ranchhodlal (Elected by Assembly); Bhaye, Ramchandra Narayan (North Satara, Local Authorities); Chinal, Pannalal Maneklal (Elected by Assembly); Colaco, Dr. Joseph Altino (Elected by Assembly); Daboo, Dinshawji Ratanji (Elected by Assembly); Dahanukar, Shantaram Mahadeo (Elected by Assembly); Dalal, Bejoni Aderji* (Bombay City Local Authorities); Desai, Shrinati Lilavati Harilal (Elected by Assembly); Desai, Maganbhai P.* (Nominated); Deshpande, Shrinati Ramabai Narayan* (Elected by Assembly); Devji Rattenssey, (Bombay City, Local Authorities); Dondre, Moreswar Vasudeo* (Bombay City, Teachers); Dongre, V. S., B.A., Bar-at-Law (Nominated); Edke, Shankarrao Chhannaappa (Bijapur, Local Authorities); Gadgil Pandurang Vasudeo* (Elected by Assembly); Galwankar, Sadanand Keshav (Kolaba-cum-Thana, Local Authorities); Ghodke, F. D. (Nominated); Godbole, Madhav Hari (Southern Division, Graduates); Gulam Haider Wallmahamed, (Elected by Assembly); Hamied, Dr. K. A., B.Sc., M.A., Ph.D. (Berlin), A.I., F.R.C.S. (London) (Nominated); Hukerikar, Ramrao Shrinivasrao* (Elected by Assembly); Kamat, Padmanabh Subraya (Elected by Assembly); Katimani, Huchaya Fakiraya (Dharwar, Local Authorities); Khair, Dr. Gajanan Shripat (Central Division,

Teachers); Khedgikar, Ramchandra Annaji* (Bombay City, Local Authorities); Kulkarni, Bidesh Tukaram (Bombay City, Graduates); Kulkarni, Shrinati Sushila Jayadeo (Nominated); Kuntekar, Jagannath Balwant (Poona City, Teachers); Lagn, Dr. Balkrishna Chintaman, (Nominated); Lala, Arjunlal Bhogilal (Elected by Assembly); Lala, Bhogilal Dhirajlal (Ahmedabad, Local Authorities); Limaye, V. G.* (Nominated); Lingras, Shankar Vithal (Kolhapur-cum-South Satara, Local Authorities); Mahaldar, Gous Mohiuddin Bandagisahob* (Elected by Assembly); Mandlik, Ramchandra Narayan* (Poona City, Graduates); Mehta, Chandrakant Chhotalal (Northern Division, Graduates); Munshi, Ramrai Mohanrai (Elected by Assembly); Nalavade, Ramchandra Manohar* (Elected by Assembly); Page, Vithal Sakharan* (Elected by Assembly); Pandit, Keshav Gopal (Southern Division, Teachers); Patel, Chunilal Muljibhai (Kaira, Local Authorities); Patel, Desalbhai Nathabhai (Northern Division, Teachers); Patel, Maganbhai Bhikhabhai (Elected by Assembly); Patel, Shrinati Maniben Chandubhai* (Baroda-cum-Amreli, Local Authorities); Patel, Shamaldas Khemdas (Mekans-cum-Banaskantha, Local Authorities); Patil, Sonusing Dhansing* (Central Division, Graduates); Patil, Supdu Bhadu* (East Khandesh, Local Authorities); Patwari, Prabhudas Balubhai* (Ahmedabad District, Local Authorities); Pawar, Narhar Ganpat* (Poona, Local Authorities); Rathil, Shrivallabh Hanmantram* (Poona City, Local Authorities); Rawandale, Chudaman Ananda (Ahmednagar-cum-West Khandesh, Local Authorities); Rawat, Bachubhai Popatbhai* (Nominated); Sathe,

Ganpatrao Dhondiba (Sholapur, Local Authorities); Shah, Chinanlal Kuberdas* (Elected by Assembly); Shaha, Deychand Chaganlal (Belgaum, Local Authorities); Shukla, Darnubhai Chhaganbhai (Ahmedabad City, Graduates); Shukla, Shrinati Jyotsnaben Balusukhiram (Elected by Assembly); Sipahimalani, Kumari Jethi T. (Nominated); Sodhi, D. S. (Nominated); Tawade, Jagannath Ramkrishna (Kolhapur-cum-Kanara, Local Authorities); Thakore, Thakorlal Shripatral* (Ahmedabad City, Teachers); Thete, Gopal Ramji (Nasik City, Local Authorities); Upadhyay, Ramshankar Jeshankar (Nominated); Vin, Motilal Hargovandas (Dharwad-cum-Panch Mahals, Local Authorities); Yardi, Vaman Gangadhar (Elected by Assembly).

NEW MEMBERS

The following members were elected to take the place of those retiring in April 1954.

Assembly: Chavan, D. R.; Deshpande, Ramabai N.; Gadgil, P. V.; Hukerikar, R. S.; Mahaldar, G. M. B.; Page V. S.; Shah, C. K.

Graduates: Patil, S. D. (Central Division); Patil, U. L. (Central Division); Sathye, V. D. (Poona City).

Local Authorities: Agarwal, D. B. (Poona); Barilvala, C. D. (Bombay City); Bhirud, D. S. (East Khandesh); Dalal, B. A. (Bombay City); Deshmukh, V. B. (Poona City); Khedgikar, B. A. (Bombay City); Patel, Maniben C. (Baroda-cum-Amreli); Patwari, P. B. (Ahmedabad District).

Nominated: Ambekar, G. D.; Desai, M. P.; Limaye, V. G.; Rawat, B. P.

Teachers: Dondre, M. V. (Bombay City); Thakore, T. S. (Ahmedabad City).

* Due to retire in April, 1954.

BOMBAY ASSEMBLY GENERAL ELECTIONS

Population : 85,956,150 (1951 final).

Electorate : 15,676,631.

Constituencies : 268 (222 SM, 45 DM, 1 TM).

Seats : 315 (SC 27, ST 29).

Parties	Candidates for Seats				Uncontested Gains			Contested Wins			Elected			Valid Votes Polled	Forfeited Deposits
	Set up	Total	SC	ST	Total	SC	ST	Total	SC	ST	Total	SC	ST		
1. Congress	313	313	26	29	4	1	3	265	23	25	269	24	28	5,556,280	—
2. Socialist	181	181	4	19	—	—	—	9	—	—	9	—	—	1,324,947	68
3. Kisan Mazdoor Praja Party	53	53	2	3	—	—	—	—	—	—	—	—	—	441,412	19
4. Jan Sangh	2	2	—	—	—	—	—	—	—	—	—	—	—	4,876	2
5. Communist Party of India	15	15	—	—	—	—	—	—	—	—	—	—	—	67,036	14
6. Scheduled Castes Federation	37	37	23	2	—	—	—	1	1	—	1	1	—	344,718	12
7. Hindu Mahasabha	9	9	—	1	—	—	—	—	—	—	—	—	—	35,194	6
8. Forward Bloc (Marxist)	8	—	1	—	—	—	—	—	—	—	—	—	—	16,847	8
9. Ram Rajya Parishad	37	37	1	1	—	—	—	—	—	—	—	—	—	124,466	30
10. Kisan Kamgar Paksha	39	39	3	4	—	—	—	3	—	—	3	—	—	303,918	15
11. Khedut Sangh Lok Paksh	28	28	1	4	—	—	—	1	1	—	1	1	—	210,484	9
12. Peasants' and Workers' Party	87	87	2	6	—	—	—	14	—	—	14	—	1	705,858	31
13. Joint Front of Communist Party of India, left Socialist group and Kisan Kamgar Paksha	9	9	—	—	—	—	—	—	—	—	—	—	—	63,026	3
14. Independents	425	211	7	9	—	—	—	18	1	—	18	1	—	1,924,331	326
Total	1,243	—	—	—	4	1	3	311	26	26	315	27	29	11,123,388	643

The Congress won 85.6 per cent. of the seats on a poll of less than 50 per cent. of the total votes cast. Of the 269 successful Congress candidates 161 won by an absolute majority. The successful Congress candidates included the Ruler of Phaltan and the Rani of Akalkot.

The Socialist contested 181 seats, and won 9, polling 11.7 per cent. of the total votes cast. Two of the successful Socialist candidates won by an absolute majority.

The Workers' and Peasants' Party contested 87 and won 14 seats. The Party's poll was 6.7 per cent. and six of its 14 successful candidates won by an absolute majority.

The Kisan Kamgar Paksha—a splinter group of the Workers' and Peasants' Party—contested 39 seats and won three on a poll of 2.2 per cent.

One of the Party's candidates won by an absolute majority.

The Khedut Sangh Lok Paksh contested 28 seats out of which it won only one with a poll of 3.4 per cent.

The Scheduled Castes Federation contested 37, including 12 General seats, and won only one. Its total poll was 4.6 per cent. The successful Federation candidate won by an absolute majority.

The Communists and Joint Front secured none of the 24 seats they contested and polled less than 2 per cent. of the total votes cast.

The Independents numbered 425, out of whom only 18 including a Ruler, were successful. The

Independents polled 15.7 per cent. of the total votes cast.

The Kisan Mazdoor Praja Party, the Ram Rajya Parishad, the Hindu Mahasabha, the Jan Sangh and the Forward Bloc had in all 109 candidates, all of whom were defeated. The poll of all these Parties together was 4.9 per cent.

Of the 56 Reserved seats—29 for Scheduled Tribes and 27 for Scheduled Castes—4 went, one each, to the Scheduled Castes Federation, the Workers' and Peasants' Party, the Lok Paksh and an Independent. The remaining seats were secured by the Congress.

There were in all 1,243 candidates—an average of four per seat—and 543 of them, i. e., about 40 per cent. lost their security deposits.

BOMBAY LEGISLATIVE ASSEMBLY

An estimate of party strength now is as follows.

Congress 209, Peasants' and Workers' 13, P. S. P. 9, Kisan Kamgar 2, Communists 2, Bharat Krihikar Lok Paksha 1; Scheduled Castes Federation 1, Independents 20

Speaker : D. K. Kunte.

Deputy Speaker : S. R. Kanthi.

Mohammed Taher Habib (Con.) (Agripada-Madan-pura - Foras Road-Chunna Bharti); Bhavanishankar Bapuji Mehta (Con.) (Ahmedabad City); Vrajlal Keshavlal Mehta (Con.) (Ahmedabad City No. 1); Jaykrishna Harivallabhdas Patel (Con.) (Ahmedabad City No. 2); Shrinati Indumati Chimanlal (Con.) (Ahmedabad City No. 3); Mahmud Sharif Alarakhi Chhipa (Con.) (Ahmedabad City No. 4); Shamprasad Rupshankar Vasavada (Con.) (Ahmedabad City No. 5); Morarji Desai (Con.) (Ahmedabad City Nos. 6-7); Keshavlal Kanachhodji Veghela (SC) (Con.) (Ahmedabad City Nos. 6-7 (R)); Madanmohan Mangaldas (Con.) (Ahmedabad City No. 8); Vithal Ganpat Kute (Con.) (Ahmednagar); Bhaskar Tukaram Auti (Comm.) (Ahmednagar Taluka-Parner); Madwalappa Bandappa Kadadi (Con.) (Akalkot-South Sholapur); Ganpat Laxman Sonane (SC) (Con.) (Akalkot-South Sholapur (R)); Datta Appaji Deshmukh (K. K. P.) (Akola-Sanganner); Gopala Shrawana Bhangare (ST) (Con.) (Akola-Sanganner (R)); Dattatraya Kashinath Kunte (Con.) (Aibag); Namdeo Yadav Patil (Con.) (Amdner); Annessahb Gopalrao Awate (Con.) (Ambeogun); Dr. Jivraj Narayan Mehta (Con.) (Amreli-Damnagar); Shanubhai Mahilbhai Patel (Con.) (Anand-North); Natvarsinhji Kesarisinhji Solanki (Con.) (Anand South); Mahid Harisinhji Bhagubhai (Con.) (Ankleshwar-Hanset-Jagadia-Valia); Mohan Narel (ST) (Con.) (Ankleshwar-Hanset-Jagadia-Valia (R)); Balso Purso Kadam (SC) (Con.) (Ankola-Karwar); Narsagouda Yelagouda Patil (Con.) (Athani); Padamappa Hiriyappa Gunjal (Con.) (Athani-Chikodi); Venkangouda Hanamantgouda Patil (Con.) (Badami); Basappa Tammanna Murali (Con.) (Bagalkot); Holl-besappa Shivalingappa Metrud (Con.) (Bailhongal); Chaturbhai Jethabhai Chauhan

(Con.) (Balasinar-Kapadranj); Dattatraya Nathoba Wandrekar (Con.) (Bandra-Khar-Juhu); Madhubhai Jaysingh Patel (ST) (Con.) (Banada-South Vyara (R)); Gulabnara Dadasaheb Mulik (Con.) (Baramati); Maknaji Purshottam Patel (Con.) (Bardoli-Valod-Palsena-Mahura); Khushalbhai Dhanabhai Dhodia (ST) (Con.) (Bardoli-Valod-Palsena-Mahura (R)); Chhotabhai Zaverbhai Sutaria (Con.) (Baroda City); Maganbhai Shankarbhai Patel (Con.) (Baroda-Waghodia); Methabhai Ramjibhai Chauhan (SC) (K. S. L. P.) (Baroda-Waghodia (R)); Tulshidas Subhanrao Jadhav (P. & W. P.) (Barsi-Madha); Narsing Patya Deshmukh (P. & W. P.) (Barsi-North); Sadanand Gopal Warty (SC) (Bassein); Attnaram Pandurang Sawant (P. & W. P.) (Bavda-Panhal); Sadashivrao Bapurao Bhosale alias Kute (Con.) (Belgaum Rural); Bhujang Keshav Dalvi (Ind.) (Belgaum Urban); Motiram Shamrao Suryavanshi (Con.) (Bhadgaon-Chalisgaon); Jalankha Sandebajkha Tadi (ST) (Con.) (Bhadgaon-Chalisgaon (R)); Mustafa Faki (Con.) (Bhivandi-Murbad-East Kalyan); Pandurang Dharmaji Jadhav (SC) (Con.) (Bhivandi-Murbad-East Kalyan (R)); Namdeo Sadashiv Mohol (Con.) (Bhor-Velhe-South Mulshi); Vishwanath Tukaram Patil (Con.) (Bhudhargad-Ajra); Kodardas Kallidas Shah (Con.) (Bhule-shwar Market); Dr. Nilkantha Ganesh Saue (Con.) (Bhusawal Jamner); Keshav Raghav Wankhede (SC) (Con.) (Bhusawal Jamner (R)); Mallanagouda Ramanagouda Patil (Con.) (Bijapur); Kallansaral Shivanaral Narola alias Dr. Kallias (Con.) (Bori-Bunder-Marina Lines); Madhav Krishna Deshpande (Con.) (Borioli); Shivalbhai Ranchhodbhai Patel (Con.) (Borsad No. 1); Ishwarbhai Khudabhai Chavada (Con.) (Borsad No. 2); Dinkarrao Narbheram Desai (Con.) (Broach); Dr. Amul Maganlal Desai (SC) (Bulsar-Chikhti); Bhulabhai

Naranbhai Patel (ST) (Con.) (Bulsar-Chikhti (R)); Salebhai Abdul Kadar (Con.) (Chakla-Mandvi-Chinch Bunder); Ramdas Kilachand (Ind.) (Chanasma-Harij-Patan); Khemchandbhai S. Chavda (SC) (Ind.) (Chanasma-Harij-Patan (R)); Vithal Sitaram Patil (P. & W. P.) (Chandgad); Madhavrao Laxmanrao Jadhav (Con.) (Chandor-Kalwan-Baglan); Dongar Rama More (ST) (Con.) (Chandor-Kalwan-Baglan (R)); Nanshir Cursetji Bharucha (Ind.) (Chauhaty-Grant Road-Tardro); Ratilal Becharadas Mehta (Con.) (Chembur-Ghatkopar and Villages and Son North); Bhailbhai Garbhadbhai Tadi (ST) (Con.) (Chhota Udepur (R)); Shankar Dadoba Kothawale (Con.) (Chikodi); Shrinati Radhabai Maruti Shreyakar (SC) (Con.) (Chikodi (R)); Vasantrao Lakhagada Patil (Ind.) (Chikodi-Rubag); Bhagirath Sadanand Jha (SC) (Chinchpokhi-Lower Parel-Love-Grove); Bapu Chandrasen Kamble (SC) (S. C. F.) (Chinchpokhi-Lower Parel-Love Grove (R)); Tukaram Krishna Shetye (Con.) (Chiplun-Khed); Sukoji Baburao Khedekar (SC) (Con.) (Chiplun-Khed (R)); Bhanu Shankar Mancharam Yagnik (Con.) (Chitra Bazar-Thakurwar-Fanus Wadi); Madhav Gotou Patil (Con.) (Chopda); Kalyanji Vithal-bhai Mehta (Con.) (Chorasi); Nathalal Dayabhai Parlikh (Con.) (Colaba-Port); Anubal Chhotalal Shah (Con.) (Dabhoi); Dr. Trimbak Ramchandra Naravne (Con.) (Dadar-Sarjan Chowky); Shanrao Ramchandra Patil (Con.) (Dahanu-Umbergaon); Bhinra Radka Rupji (ST) (Con.) (Dahanu-Umbergaon (R)); Raosahab Bhausaheb Thorat (Con.) (Dangs-Sirgana-Print-Dindori); Anant Lahanu Jadhav (ST) (Con.) (Dangs-Sirgana-Print-Dindori (R)); Wajuddin Ahmed Parkar (Con.) (Dapoli-Khed); Dr. Chhotalal Jivabhai Patel (Con.) (Daskroi); Popatlal Mulshankar Joshi (Ind.) (Deesa-Dhanera);

- Jivanbhai Khodidas (Con.), (Dehgam); Shantilal Sarupchand Shah (Con.), (Doodar-Kankrej-War-Tharad); Jolta Ajaji Solanki (SC), (Con.), (Doodar-Kankrej-War-Tharad (R)); Waman Nagaji Rane (Con.), (Deogad); Gulam Rasul Myasabeh Kureshi (Con.), (Dhanduka); Atara Bhikha Zina (ST), (Con.), (Dharampur (R)); B. A. Desai (Ind.), (Dharwar); Basavanneppa Ramappa Tambakad (Con.), (Dharwar-Kalgaigi); Maneklal Chudallal Shah (Con.), (Dholka); Sonuji Devram Vankhodkar (SC), (Con.), (Dhulia (R)); Jaysing Mansing Solanki (ST), (Con.), (Dohad (R)); Vithalrao Nanashah Patil (K.K.P.), (East Salara); Jaysing Daulatsing Baul (Con.), (East Shahada-Sindhkheda-Nandurbar); Tukaram Huraji Gavti (ST), (Con.), (East Shahada-Sindhkheda-Nandurbar (R)); Makatlal Motilal Patel (Con.), (East Sidhpur); Ekanathrao Sampatrao Patil (Con.), (Eklad); Sitaram Hirachand Biria (Con.), (Eklad-Cambay); Kuberappa Parappa Gadag (Con.), (Gadag); Channabasappa Sadashivappa Hulkoiti (Con.), (Gadag-Mundargi); Mahadeo Dundappa Shreshthi (Con.), (Gadhinglaj); Kikubhai Gulabhai Nalk (Con.), (Gandevi); Bhagavan Bhabhabhai Barad (Con.), (Ghogho Kodinar); Shrimati Lilavati Dhirajlal Banker (Con.), (Girgaum-Khetwadi); Dabhyabhai Lalubhai Rajput (Ind.), (Godhra); Appanna Ramappa Pauchagavi (Con.), (Gokak); Mahadev Ramchandra Pawar (Con.), (Guhagar); Madivalappa Budrappa Pattanasethi (Con.), (Guledurg-Kamalga); Ramchandra Gopal Kamat (Con.), (Hakalyal-Yellapur-Supa); Siddappa Channabasappa Sindhur (Con.), (Hargul); Babasaheb Bhausaheb Khanjire (Con.), (Hatkhanagale); Dattatraya Santaram Powar (SC), (Con.), (Hatkhanagale (R)); Martand Dhondiba Mager (Con.), (Haveli Dhond); Ganpat Sambhaji Kharat (SC), (Con.), (Haveli Dhond (R)); G. V. Hallikeri (Con.), (Haveri); Khemji Rupaji Garasia (ST), (Con.), (Himatnagar (R)); S. Y. Patil (Con.), (Hippargi-Bagewadi); V. V. Patil (Con.); Ramkrishna Narahina Kamat (Con.), (Honorwar); Kumbhi, L. S. (Ind.), (Hubli); Dharmappa Yallappa Sambrani (SC), (Con.), (Hubli (R)); Malagouda Punagouda Patil (Con.), (Hukeri); Shivalingappa Budrappa Kanthli (Con.), (Hungrud); Maharajkumar Dalitsinhji Himatsinhji (Ind.), (Idar); Shankarrao Bajirao Patil (Con.), (Indapur); Mallappa Karabasappa Surapur (Con.), (Indat-Sindgi); Laxman Jettappa Kabadi (SC), (Con.), (Indat-Sindgi (R)); Sadasivrao Daji Patil (Con.), (Islampur); Gulam Rasul Hajeer Hasan Bagwan Shaikh (Con.), (Jalgaon-Mhasawadi); Bhagwan Budhaji Khandare (SC), (Con.), (Jalgaon-Mhasawadi (R)); Chhotabhai Makanbhai Patel (Con.), (Jambusar); Basappa Danappa Jatti (Con.), (Jamkhandi); Vijayasingh-rao Shriramrao Daffe (Ind.), (Jath); Babasaheb Jagdeo Rao Shinde (Con.), (Javti-Mahabeshwar); Lalchand Dulabhai Ninama (ST), (Con.), (Jhalod (R)); Dattatraya Amrutrao Dhobale (Con.), (Junnar); Puroshottamdas Ranchhodas Patel (Ind.), (Kadi); Malharrao Rajaramrao Desai (Ind.), (Kagali); Bhagwandas Mayachand sheth (Con.), (Kalol (Mhasana Dt.)); Mohanbhai Manabhai Rathod (Ind.), (Kalol (Panch Mahala)); Khanchand Gopaladas (Ind.), (Kalyan Central-Kalyan-Camp); Kanji Govind Kerson (Con.), (Kalyan West); Vishwanathrao Rajanna Tulla (Con.), (Kamathipura-Nagpada); Keshav Vyankatesh Rane (Con.), (Kankavit); Shankarlal Herjiwandas Shah (Con.), (Kapadvanj); Yeshwant Balwant Chavan (Con.), (Karad North); Yeshwantrao Jijaba Mohite (P. & W.P.), (Karad South); Dr. Chinubhai Kishorabhai Patel (Con.), (Kerjan-Sinor); Namdeo Mahadeo Jagtap (Con.), (Kermala); Narayan Tukaram Sarnalk (Ind.), (Kervir); Gundu Dasrabhai Patil (Con.), (Kewathe Mahankal (Miraj) Tasgaon (East)); Basappa Shiddlingappa Aragavi (Con.), (Khanapur (Bhikangam)); Dattajirao Bhausaheb Deshmukh (Con.), (Khanapur (South Salara)); Laxman Babajee Bhingardeve (SC), (Con.), (Khanapur (South Salara (R)); Ishaqabhai Abbasbhai Bandukwala (Con.), (Khera Talao-Kumbharwade); Tatyasa Anandrao Jadhav (Con.), (Khetav); Pandharinath Ramdas Kabirbura (Con.), (Khed); Shankerji Okhaji Thakore (Con.), (Kheruka); Balwant Dhondo Baralaj (P. & W.P.), (Kolhapur City); Khadiraab Abdulshah Sheikh (Con.), (Konnur); Jagannath Shankar Barhate (Con.), (Kopergaon); Shankarrao Ganpatrao Gharage (Con.), (Koregaon); Jagannath Sitaram Dhond (Con.), (Kudal); Ramkrishna Biranna Nalk (Con.), (Kumla-Honavar); Indravadan Manmohanrao Oza (Con.), (Kurba-Bandara (East)); Dr. Madhav Dattatraya Desai (Con.), (Lalbag-Parali); Vithal Ganesh Kalambate (Con.), (Lanaja); Jayantilal Zaverbhai Patel (Con.), (Lunawada-Santampur); Tersinh Motisinh Bhabhor (ST), (Con.), (Lunawada-Santampur (R)); Baburao Bajirao Patil (Madha-Mohol); Mohd. Abdul Latif (Con.), (Mahi-Dharavi); Shankarrao Narayanrao Mohite (P. & W.P.), (Malsiras); Shripad Sadashiv Mahajan (Con.), (Malvan); Dr. Shivappagouda Bagupouda Patil (Con.), (Managoti-Bableshwar); Shantaram Laxman Peje (Con.), (Mandangad-Dapoti); Prabhakar Ramkrishna Deshmukh (Con.), (Mangaoon-Mhasla-Mahad); Dattatraya Maloji Talegaonkar (SC), (Con.), (Mangaoon-Mhasla-Mahad (R)); Madhavbhai Bhallabhai Shah (Con.), (Matar-Cambay); Alabhai Nathubhai Babaria (SC), (Con.), (Matar-Cambay (R)); Salvati Subramanian (Con.), (Matunga-Son-Kotiwada); Veerdhaval Yeshwantrao Dabhadre (Ind.), (Maval-North Mulshi); Dr. Mafaldo Uvaldo Mascarenhas (Con.), (Mazgaon-Ghodapdeo); Maneklal Chunilal Modi (Con.), (Mehmedabad); Hargovanbhai Dhanabhai Patel (Con.), (Mehsana North-Palan); Keshavlal Bholidas Patel (Con.), (Mehsana South); Vishram Hari Patil (Con.), (Mewasa-Taloda-Akrani-West Shahada); Janardan Phoharaya Valavi (ST), (Con.), (Mewasa-Taloda-Akrani-West Shahada (R)); Shrimati Shrimatibai Charudatti Kalante (Con.), (Miraj); Ramanlal Pitambardas Soni (Con.), (Modasa-Mehrag); Ladku Nau Bholr (P. & W.P.), (Mokhada-Wada-Shahapur); Amrita Ragho Pawar (ST), (Con.), (Mokhada-Wada-Shahapur (R)); Pranesh Gurubhat Sidhanti Vakli (Con.), (Muddebihal); Hiralal Bandulal Shah (Con.), (Mudhol); Bhaskar Narayan Dighe (Con.), (Murud-Shrivardhan); Udalasinh Virasinh Vadodia (Con.), (Nadiad North); Babubhai Jashbhai Patel (Con.), (Nadiad South); Dalpat alias Damji Bucher (ST), (Con.), (Nandod-Drdipada-Sagbara (R)); Panduram Mahadeo Murukute (Con.), (Nasik-Igatpuri); Dattatraya Tulshiram Kale (SC), (Con.), (Nasik-Igatpuri (R)); Bhika Trimbak Pawar (ST), (Con.), (Nasik-Igatpuri (R)); Bhulabhai Dulabhai Tadvi (ST), (Con.), (Nasik-Igatpuri (R)); Adiveppagouda Shiddanagouda Patil (Con.), (Navagunda-Nargund); Lalubhai Makanjil Patel (Con.), (Navari); Naranbhai Madhavbhai-Rathod (SC), (Con.), (Navari (R)); Yeshwant Sakharam Desai (Con.), (Navapur-Sakri); Bokaram Sakharam Kokani (Con.), (ST), (Navapur-Sakri (R)); P. V. Gillespie (Nominated); Mohamed Sabir Abdul Sattar (Con.), (North Malgaon); Shrimati Rajee Nirmala Devi Vijayasinh Bhosale (Con.), (North Sholapur); Mohanlal Virjibhai Senjilla (Con.), (Okhamandal-Dhari Khamba); Chhotubhai Vanmalidas Patel (Con.), (Olpad-Mangrol-Mandvi-Kamrej); Parbhubhai Dhanabhai Patel (ST), (Con.), (Olpad-Mangrol-Mandvi-Kamrej (R)); Julalsing Shankarrao Patil (Con.), (Pachora); Jaswantlal Saubhagyaohand Shah (Con.), (Padra); Yusuf Miyaji (Con.), (Palanpur-Desai); Galba Nanji Chodhary (Con.), (Palanpur-Abu-Padgaon-Danta); Gama Fata Vasia (ST), (Con.), (Palanpur-Abu-Padgaon-Danta (R)); Maruti Padmakar Meher (SC), (Palghar-Jauhar); Trimbak Bhaui Mukne (ST), (Con.), (Palghar-Jauhar (R)); Jayawant Ghanasham More (Ind.), (Pandharpur-Mangalwedha); Maruti Mahadeo Kamble (SC), (Con.), (Pandharpur-Mangalwedha (R)); Natar Parsharam Thosar (Con.), (Pansol-Karjat-Maharan-Khalapur); Manohar Kushaba Padir (ST), (Con.), (Pansol-Karjat-Maharan-Khalapur (R)); Hemappa Veerabhadrapa Koujalgi (Con.), (Parasgad); Rewla Sukar Patel (SC), (Parati); Bhagwantrao Damodar Deshmukh (Con.), (Parola); Daulatrao Shripatrao Desai (Con.), (Patani); Madhav Maruti Nirhall (Con.), (Pathardi); Ambaji Tukaram Patil (Con.), (Pen-Uron); Dr. Bhaskar Ramabhai Patel (Con.), (Pellad North); Manibhai Prabhudas Parikh (Con.), (Pellad South); Malojirao Nalk Nimbalkar alias Nanasabeh (Con.), (Phallan-Man); Ganpatrao Devji Tapase (SC), (Con.), (Phallan-Man (R)); Digambar Vinayak Purohit (SC), (Poladpur-Mahad); Vinayak Krishna Sathe (Con.), (Poona City, Central); Shrimati Malki Madhav Shirole (Con.), (Poona City North West); Popatlal Ramchandra Shah (Con.), (Poona City South East); Shridhar Mahadeo Joshi (P. S. P.), (Poona City South West); Gopaladas Venaldas Patel (Con.), (Prant-Bayad-Malpur); Puroshottam Jethabhai Solanki (SC), (Con.), (Prant-Bayad-Malpur (R)); Madhavrao Narayanrao Memane (Con.), (Purandar); Dhayandeo Santaram Khandekar (P. & W.P.), (Radhanagari); Laxmanrao Madhavrao Patil (Con.), (Rahuri); Sitaram Maruti Subhedar (Con.), (Rajapur); Hanamanta Yellappa Mumbardadi (Con.), (Ramdurg); Kallangowda Fakirgowda Patil (Con.), (Ranebennur); Sitaram Nana Surve (Con.), (Ratnagiri); Dhanji Mahuru Bonde (Con.), (Raver); Maruti Sitaram Sawant (Con.), (Roha-Sudhagad); Andanappa Jnanappa Doddameti (Con.), (Ron); Shantilal Trilakmal (Con.), (Santand); Vasantrao Bandu Patil (Con.), (Sangli); Ramdas Bhausaheb Shirke (Con.), (Sangmeshwar); Keshavrao Shripatrao Bhat (Con.), (Sangola); Bhanabhai Galabhai Tadvi (ST), (Con.), (Sankheda (R)); Maneklal Nathalal Vakharia (Con.), (Santalapur-Radhanpur-Sami); Prataprao Deorao Bhonele (Con.), (Sawantwadi); Manilal Hargovinddas Pathak (Con.), (Savli); Pratapsing Hirabhai Patil (Ind.), (Sehra-Limkheda-East Baria); Virsingbhai Kanjibhai Nisarta (ST), (Con.), (Sehra-Limkheda-East Baria (R)); Madhav Ganpatrao Mane (SC), (Sevure Kalachowky Naigam-Wadala); Sitaram Namdeo Shivtarkar (SC), (Con.), (Sevure Kalachowky Naigam-Wadala (R)); Rangarao Namdeo Patil (P. & W.P.), (Shahuwadi); Trimbak Shivaram Bhardi (Con.), (Shoggaon); Mallappa Basappa Huralikopli (Con.), (Shiggaon); Venkatesh Timmanna Magadi (Con.), (Shirhadi); Rajaram Tukaram Magade (Con.), (Shiroli); Dr. Sarojini Krishnarao Babar (Con.), (Shirala-Walwa); Gajamal Dalpat Mall (Con.), (Shirpur); Sardar Shrivrao Bhavanrao Thorat (Con.), (Shrigonda); Baburao Mahadeo Bharaskar (SC), (Con.), (Shrigonda (R)); Bhaurao Govindrao Chaugule (Con.), (Shrirampur-Neogasa); Govind Dattatraya Sane (Comm.), (Sholapur City South); Shrivankar Mallappa Dhanashetti (P. & W.P.), (Sholapur City North); Timmappa Manjappa Motansar Hegde (Con.), (Siddapur-Sirsi-Mundgod); Narayan Sahadeo Patil (Con.), (Sindhkheda); Vasant Narayan Nalk (Con.), (Sinnar-Niphad); Amratrao Dhondiba Rankhambade (SC), (Con.), (Sinnar-Niphad (R)); Vithal Dattatraya Ghate (Con.), (Sitrur); Vanmali Tangania Chaudhari (ST), (Con.), (Songdadi-North Vyara (R)); Bhausaheb Sakharam Hrey (Con.), (South Malgaon-North Nandgaon); Gordhandas Ranchhodas Chokhewalla (Con.), (Surat City East); Mahmudhusen Abdulamad Golandas (Con.), (Surat City West); Sayaji Lakshman Silam (Con.), (Tant Pakhadi-Kalachowky West); Dattajirao Bhaurao Suryawanshi (Con.), (Tasgaon West); Madhav Vinayak Hegde (Con.), (Thana); Fazle-Abas Talyabali Jamindar (Con.), (Thasra); Channabasappa Jagadevappa Ambli (Con.), (Tibota-Bilgi); Dr. Bhawanishanker Padmanabha Divgi (Con.), (Umarkhadi Dongri-Wadi-bunder); Ibrahim Ali Patel (Con.), (Vagra-Amod); Parsharam Krishnaji Sawant (Con.), (Venguria); Kacharabhai Kanjidas Patel (Con.), (Vijapur North); Mousing Pruthvira Patel (Con.), (Vijapur South); Shantilal Harjivan Shah (Con.), (Vile Parlo-Andheri-Versova); Maganbhai Ranchhodbhai Patel (Con.), (Viramgam); Shivabhai Prabhudas Patel (Con.), (Viramgam); Dadasaheb Kashesao Jagtap (P. & W.P.), (Wai-Khandala); Homi Jehangirji Taleyarkhar (Con.), (Walkeshwar-Mahalaxmi); Shrimati Induben Nanubhai Desai (Con.), (West Baria); Baburao Balasaheb Ghorpade (Con.), (West Salara); Dayaji Tribhovan Patel (Con.), (West Sidhpur East Palan); Dr. Madhav Narayan Burje (Con.), (Worli-Prabhadar); Vithalrao Nathu Patil (Con.), (Yawad); Madhavrao Trimbak (Patil) Shinde (Con.), (Yole-Nandgaon); Vacant (Dhulia); Vacant (Himmatnagar).
- Abbreviations:** Con.: Congress; Soc.: Socialist (now Praja Socialist); S.C.F.: Scheduled Caste Federation; P. & W.P.: Peasants' and Workers' Party; K.K.P.: Kisan Kamgar Paksh; K.S.L.P.: Khedut Sangh Lok Paksh; Ind.: Independent; S.C.: Scheduled Castes; S.T.: Scheduled Tribes; B.S.L.P.: Bharat extend rules Krishnar Lok Party; Comm.: Communist.

MADHYA PRADESH ASSEMBLY GENERAL ELECTIONS

Pop. : 21,247,533 (1951 final). Electorate : 11,147,302.

Seats : 233 (32 for SC, 27 for ST); Constituencies 184 (136 SM, 48 DM). One nominated member.

Parties	Candidates				Uncontested Gains			Contested Wins			Elected			Valid Votes Polled	Forfeited Deposit
	Set up	Total	SC	ST											
1. Congress	225	225	31	23	3	1	2	191	27	16	194	28	18	3,433,058	3
2. Socialist	143	143	10	8	—	—	—	2	—	—	2	—	—	661,874	91
3. Kisan Mazdoor Praja Party	69	69	9	2	—	—	—	8	1	1	8	1	1	359,689	42
4. Jan Sangh	75	75	8	2	—	—	—	—	—	—	—	—	—	243,960	62
5. Communist Party of India	12	12	1	—	—	—	—	—	—	—	—	—	—	24,460	10
6. Scheduled Castes Federation	45	45	21	—	—	—	—	—	—	—	—	—	—	283,554	22
7. Hindu Mahasabha ..	1	1	—	—	—	—	—	—	—	—	—	—	—	7,055	—
8. Ram Rajya Parishad	35	35	—	3	—	—	—	3	—	—	3	—	—	176,324	24
9. Forward Bloc (M) ..	8	8	1	1	—	—	—	—	—	—	—	—	—	43,219	4
10. Forward Bloc (R) ..	14	14	2	1	—	—	—	—	—	—	—	—	—	42,905	11
11. Bolshevik Party ..	1	1	—	—	—	—	—	—	—	—	—	—	—	1,077	1
12. Shetkari Kamgar Paksha	22	22	1	1	—	—	—	2	1	—	2	1	—	114,539	16
13. Lok Congress ..	3	3	—	—	—	—	—	—	—	—	—	—	—	5,110	3
14. Independents ..	469	202	25	21	4	—	4	19	2	4	23	2	8	1,601,566	368
Total	1,122	—	—	—	7	1	6	225	31	21	232	32	27	6,907,489	657

MADHYA PRADESH LEGISLATIVE ASSEMBLY

(An estimate of party strength at present (March 1954) is as follows: Congress 194; Independents 6, People's Party 32; Vacant 1.)

Speaker : Pandit Kunjilal Dubey. Dy. Speaker : S. K. Wankhede. Secretary : K. K. Rangole. Under-Secretary : S. R. Kharabe.

Amrutrao Ganpatrao Sonar (Con.), (Achalpur);
 Hazi Mohammad Masud Khan Akbar Khan
 (Con.), (Akalara-Masturi); Kulpat Singh Kupit-
 ram (SC), (Con.), (Akalara-Masturi (R));
 Briljal Nandlal Bilyal (Con.), (Akola); Saqui
 Niyazi Mohamad Subhan (Con.), (Akot); Arjun-
 singh Sisodia (Con.), (Amarwara); Narayan Mani-
 ramji Wadiwa (ST), (Con.), (Amarwara (R));
 Maharaja Ramanuj Saran Singh (Ruler of Sur-
 guja), (Con.), (Ambikapur); Thakur Paras Nath
 (ST), (Ind.), (Ambikapur (R)); Girdharilal
 Chaturbhuj Sharma (Con.), (Amgaon); Waman-
 rao Gopalrao Joshi (Con.), (Amgaon); Babulal
 Kashiprasad (SC), (Con.), (Amravati (R));
 Lakhanlal Gupta (Con.), (Arang-Kharora (R));
 Sukhohandas (SC), (Con.), (Arang-Kharora (R));
 Jagjiwan Ganpatrao Kadam (Con.), (Arvi);
 Krishnarao Gopalrao Naik (Con.), (Bairar);
 Harendrasingh Bhakhtasingh (ST), (Con.), (Bairar
 (R)); Kanhaiyalal Bahadur Singh (Con.), (Bala-
 ghata); Syed Ghayasuddin Syed Naziruddin Kazi
 (Con.), (Balapur); Dagdu Zangoji Palaspagar
 (SC), (Con.), (Balapur (R)); Keshab Lal Gomasta
 (Con.), (Balod); Shrimati Daranbai (ST), (Con.),
 (Balod (R)); Swami Krishna Nand Ramcharan
 (Con.), (Banda); Bishahoodas Mahant (Con.),
 (Baradwara); Ram Rao Ubgade (Con.), (Barghat);
 Jaldev Gadadhar (Con.), (Busna); Vishwanath
 Yadaorao Tamaskar (Ind.), (Bemetara);
 Shilal (SC), (Con.), (Bemetara (R)); Deep-
 chand Laxmichand Gothi (Con.), (Betul); Ram-
 rao Krishnarao Patil (Con.), (Bhadrawati);
 Anandrao Sonaji Lokhande (Con.), (Bhainsdehi);
 Rama Bakaram Lanjewar (Con.), (Bhandara);
 Chakrapani Shukla (Con.), (Bhalapara-Sitapur);
 Bajirao Bihari (SC), (Con.), (Bhalapara-Sitapur
 (R)); Mahant Laxminarain Das (Con.), (Bha-
 ggaon); Hirasah Ramsah (ST), (Con.), (Bijapur
 (R)); Laxmi Shanker (Con.), (Bijayraghgarh);
 Dr. Sheo Dulare (Con.), (Bilaspur); Rani
 Padmavati Devi (Con.), (Bori-Deokar); Bhut-
 nath (SC), (Con.), (Bori-Deokar (R)); Murari-
 rao Krishnarao Nagmoti (Con.), (Brahmapur);
 Namdeo Punjaji Pawar (Con.), (Buldana);
 Abdul Quadir Siddiqui (Con.), (Burhanpur);
 Ramkrishna Rathor (Con.), (Champa); Laxman
 Krishnaji Wasekar (Con.), (Chanda); Gajanan
 Sharma (Con.), (Chandrapur-Birra); Mulchand
 Tikaram (SC), (Con.), (Chandrapur-Birra (R));
 Pundlikrao Balkrishna Chare (Con.), (Chander-
 pur); Lal Shyam Shah (ST), (P.S.P.), (Chauki (R));
 Krishna Ganesh Bekhade (Con.), (Chhindwara);
 Rajasahab Shankarpratapsingh (Con.), (Chi-
 choli); Mohkamsingh Wickoy (ST), (Con.),
 (Chicholi (R)); Trimbak Bhikaji Khedekar
 (Ind.), (Chikli); Dora Dokka (ST), (Ind.), (Chit-
 rakote (R)); Harishchandra Laxmichand Marothi
 (Con.), (Damoh); Boda Dada (ST), (Ind.), (Dante-
 wara (R)); Deorao Shioram Patil (Ind.), (Darwaha);
 Shrimati Kokilabai Jagannath Gowande (Con.),
 (Daryapur); Kisan Narayan Khandare (SC),
 (Con.), (Daryapur (R)); Gokaran Singh (Con.),
 (Deobhog); Mahadeo Tukaram Thakre (Con.),
 (Deoli); Shankar Vitthal Sonawane (SC), (Con.),
 (Deoli (R)); Pandit Ramgopal Sharma (Con.),
 (Dhamari); Raja Chandra Chur Prasad
 Singh Doo (Ruler of Udaipur), (Con.), (Dharam-
 jaggarh); Budnath Sai (ST), (Con.), (Dharam-
 jaggarh (R)); Althassan Manauani (Con.),
 (Digra); Dwarika Prasad Bithare (Con.),
 (Dindori); Roop Singh Umrao Singh (ST),
 (Con.), (Dindori (R)); Bijay Lal (Con.), (Don-
 gargarh); Dhannalal Jain (Con.), (Dongargarh);
 Ghanshyam Singh Gupta (Con.), (Durg); Niran-
 jansingh Ridsingh (P.S.P.), (Gadachiroli);
 Kirtimantrao Bhujangrao (Con.), (Gadchiroli-
 Sironcha) (R), (ST); Namdeorao Balaji Poreddi-
 war (Con.), (Gadchiroli-Sironcha); Mahant

Rituparn Kishore Das (Ruler of Chhulkhadan), (Ind.), (Gandai); **Durga Charan** (Con.), (Gargoda); **Raja Lalit Kumar Singh** (ST), (Ruler of Raigarh), (Con.), (Gargoda (R)); **Ramchandra Wasudeo Kathade** (Con.), (Gondpipri); **Manoharbal Babarbhaj** (Con.), (Gondia); **Pannalal Beharilal Dube** (Con.), (Goregaon); **Shyam-sundar Narain Mushran** (Con.), (Goregaon); **Mulchand** (Con.), (Gudhyari); **Maheshdatta Mishra** (P.S.P.), (Harda); **Preminath Rishi Wasnik** (S.C.), (P.S.P.), (Harda (R)); **Mishrilal Shermal Sand** (Ind.), (Harsud); **Premshanker Laxmishankar Dhagat** (Con.), (Hatta); **Kadorelal Choudhari** (S.C.), (Con.), (Hatta (R)); **Babu Ramkisanadas Motilal Mohota** (Con.), (Hinganghat); **Mohammad Abdulla Khan Pathan** (Con.), (Hingna); **Nanhlal Bhurelal** (Con.), (Hoshangabad); **Jagdish Narayan** (Con.), (Jabalpur I); **Matua** (S.C.), (Con.), (Jabalpur I (R)); **P. K. Dube** (Con.), (Jabalpur II); **Vidyanath Thakur** (Ind.), (Jagdalpur); **Doomar** (S.C.), (Ind.), (Jagdalpur (R)); **Kashirao Raibhan Patil** (S.K.P.), (Jalgaon); **Lakshesh Lal Padwal** (Con.), (Jangpur-Pamgach); **Ganeshram Anant** (S.C.), (Con.), (Jangpur-Pamgach (R)); **Ramkrishna Atmaram Belsare** (Con.), (Jarul); **Raja Bijai Bhushan Singh Deo** (Ruler of Jashpur), (I.T.P.), (Jashpur-Nagar); **Johan** (ST), (P.S.P.), (Jashpur-Nagar (R)); **Narayan Zuglaji Nandurkar** (Con.), (Kalam); **Bajrangji Lahanu Thekedar** (Con.), (Kamptee); **Kaushalnath Laxmichand** (Con.), (Kamtha); **Manohar Rao Jatar** (Con.), (Kanhawara); **Maharajadhiraj Bhannupratap Deo** (Ruler of Kanker), (Con.), (Kanker); **R. P. Ghamsan** (Con.), (ST), (Ind.), (Kanker (R)); **Vithalbinha Jalsinha Thakur** (Con.), (Karanja); **Shankarlal Tiwari** (Con.), (Katangi); **Motiram Odakya** (S.C.), (Con.), (Katangi (R)); **Banwarilal Noubatram** (Con.), (Katghora); **Adityapratap Singh Tribhuvan Pratap Singh** (ST), (Con.), (Katghora (R)); **Shankarrao Paulatrao Gedam** (Con.), (Katol); **Ganga Prasad** (R.R.P.), (Kavardha); **Rajman** (ST), (Ind.), (Kerkal); **Raja Bahadur Birendra Bahadur Singh** (Ruler of Kharagarh), (Con.), (Kharagarh); **Jagmohanadas** (Con.), (Khamaria); **Purushottam Govind Eklake** (Con.), (Khandgaon); **Bhagwantrao Annabhau Mandloi** (Con.), (Khandwa); **Devkarin Balchand** (S.C.), (Con.), (Khandwa (R)); **Krishna Chandra Sharma** (Ind.), (Kharai); **Pyarelal** (S.C.), (P.S.P.), (Kharai (R)); **Brijlal Verma** (P.S.P.), (Kosamand Kandel); **Mahant Nalindas** (S.C.), (Con.), (Kosamand Kandel (R)); **Kashiram Tiwari** (Con.), (Kola); **Bhopal Rao** (Con.), (Kurud); **Tilochan** (P.S.P.), (Kuthrel); **Krishnarao Dogoji Thakur** (Con.), (Lakhnadon); **Sitaran Jairam Bamhore** (S.C.), (Con.), (Lakhnadon (R)); **Durga Shanker**

Mehta (Con.), (Lakhnadon); **Vasant Rao** (ST), (Con.), (Lakhnadon (R)); **Shantilal Sabhsukhlal Jain** (Con.), (Lallurra); **Tellal Harish Chandra Tembhare** (Con.), (Lanju); **Ajodhya Prashad** (Con.), (Mahasamund); **Parmanand Bhal** (Con.), (Majholi-Panagar); **Bhiku Fakira Shelki** (Con.), (Malkapur); **Roop Narayan Jhanak Lal Chaturvedi** (Con.), (Mandla-Niwaa); **Bhupat Singh Wickey** (ST), (Con.), (Mandla-Niwaa (R)); **Jwala Prasad** (Ind.), (Manendragarh); **Pritram Kurrey** (S.C.), (Con.), (Manendragarh (R)); **Babarao Anandnrao Deshmukh** (Con.), (Mangulpur); **Shloraya Krishnaya Gangashettiwar** (Con.), (Maregaon); **Anandnrao Marotirao Pawar** (Con.), (Mehkar); **Laxman Thakaji Gawal** (S.C.), (Con.), (Mehkar (R)); **Balkrishna Mulchand Bhandari** (Con.), (Melghat); **Shrimati Prabhawati Jaywant Jakatdar** (Con.), (Mohadi); **Panjabrao Balkrishna Sadatpure** (Ind.), (Morsi); **Marotirao Sambhisho Kannamwar** (Con.), (Mud); **Beharilal Deorao** (Con.), (Mullai); **Bhakra Kewji Patil** (S.C.), (Con.), (Mullai (R)); **Kalsingh Shersingh** (Con.), (Mundi); **Rangopal Banshidhar Tiwari** (Con.), (Mungeli); **Anjoradas Deodas** (S.C.), (Con.), (Mungeli (R)); **Shamrao Deorao Dhotre** (Con.), (Murtajapur); **Govind Prasad Sharma** (Con.), (Murtawara); **Surendralal Jha** (Con.), (Nainpur-Mohgaon); **Akali Basori** (ST), (Con.), (Nainpur-Mohgaon (R)); **Madaogopal Jodhraj Agarwal** (Con.), (Nagpur I); **Dindayal Gupta** (Con.), (Nagpur II); **Shrimati Vidyawati Bai Pannalalji Dewadla** (Con.), (Nagpur III); **Mancharsha Kustanjali Awari** (P.S.P.), (Nagpur IV); **Vinayak Jagannath Chhanghole** (S.C.), (Con.), (Nagpur IV (R)); **Rajkumar Shukla** (Con.), (Nandgaon (Durg Dist.)); **Punjabrao Bapurao Yolkar** (Con.), (Nandgaon, Amravati Dist.); **Jalamsingh Supadshing Ingik** (Con.), (Nandura); **Rameshwar Arjun** (ST), (Con.), (Narayannpur (R)); **Rameshwar Prasad Rupchand** (Con.), (Nargoda); **Shrimati Sarladevi Dwarkaprasad Pathak** (Con.), (Narsimhapur); **Khubchand Baghel** (P.S.P.), (Pacheda); **Dharmpal** (Ind.), (Pal); **Bhandarim** (ST), (Con.), (Pal (R)); **Padamraj Singh Raja Baghuraj Singh** (R.R.P.), (Pandaria); **Udairam** (Con.), (Pandhar); **Dattatraya Krishnarao Deshmukh** (Con.), (Pandharkavada); **Tarachand** (Con.), (Panduka); **Nek Narain Sing Thakur** (Con.), (Patani); **Mathuraprasad Banshidhar** (Con.), (Pendra); **Narainsingh Dangalsingh** (Con.), (Piparia); **Ganpat Rao Dani** (Con.), (Pithore); **Narainsinha Sampat-sinha Weakey** (Ind.), (Purada); **Wasantnrao Phulsinghi Naik** (Con.), (Pusad); **Daulat Laxman Khade** (S.C.), (Con.), (Pusad (R)); **Bal Nath** (Con.), (Ravagarh); **Prarelal Singh** (P.S.P.), (Raipur); **Shrimati Shyam Kumari Devi** (Con.), (Rajim); **Rudrasaran Pratap**

Singh (ST), (Con.), (Rampur (R)); **Chintamanrao Govind Tidke** (Con.), (Ramde); **Lalendra Ramchandra Wasulk** (S.C.), (Con.), (Ramdeh (R)); **Balaprased alias Balaji** (Con.), (Rehli); **Kunjilal** (Con.), (Ruthi); **Md. Shafi Muhammad Subratl** (Con.), (Sagar); **Arjun Ganaji Samrit** (Con.), (Sakoli); **Nashik Khantadu Tirpude** (S.C.), (Con.), (Sakoli (R)); **Raja Bahadur Leeladhar Singh** (Ruler of Sakli), (Ind.), (Sakti); **Sheobux Ram** (ST), (Con.), (Samri (R)); **Narendra Mahipati Tidke** (Con.), (Saoner); **Pandit Bavi Shankar Shukla** (Con.), (Saraipuli); **Raja Nares Chandra Singh** (Ruler of Sarangarh), (Con.), (Sarangarh); **Vedram** (S.C.), (Con.), (Sarangarh (R)); **Nilkantli Rao** (Con.), (Sausar); **Jhingru Poosay** (S.C.), (Con.), (Sausar (R)); **Sheshirao Krishnaji Wankhede** (Con.), (Sawargaon); **Kashi Prasad** (Con.), (Sehora); **Mahendranathsinh Dadu** (Con.), (Seoni); **Gangacharan Beharilal** (Con.), (Shahpur); **Dattatraya Tukaram Thakre** (Con.), (Shankarpur Sindheva); **Pandurang Antaram Chumakar** (S.C.), (Con.), (Shankarpur-Sindeva); **Rajkumar Ganpat Khumkar** (Con.), (Shegun); **Bapurao Marotirao Deshmukh** (Con.), (Sindi); **Harbhajan Singh** (ST), (Ind.), (Sitapur (R)); **Basant Kumar Mishra** (Con.), (Sleemnabad); **Hariprasad Nandlal** (Con.), (Sohagpur); **Ploo Gagra** (ST), (Ind.), (Sukma (R)); **Jyotsi Jwala Prasad** (Con.), (Surkhi); **Chundrabhushan Singh Sheoraj Singh** (Con.), (Takhapur); **Bhairao Gulabrao Jadhao** (Con.), (Talegaon); **Shanti Sarup** (Con.), (Tama-Parasia); **Phulbhan Shah** (ST), (Ind.), (Tama-Parasia (R)); **Raghuvar Prasad Modi** (Con.), (Tendukhada); **Shallgram Ramratan Dixit** (Con.), (Tirora); **Narayao Sumbhuji** (P.S.P.), (Tumsar); **Shrimati Rudradevi Kisanlal Goenka** (Con.), (Ugwa); **Ramchandra Pandurang Lanjewar** (Con.), (Umir); **Shridhar Nathoba Jawade** (Con.), (Wadhona); **Purushottam Kashirao Deshmukh** (Con.), (Walgau); **Deorao Yeshawantrao Gohokar** (Con.), (Wam); **Thansingh Tikaram Bisen** (Con.), (Waraseoni); **Shrimati Shantabai Narulkar** (Con.), (Wartha); **Mahadeorao Nagorao Pawade** (Con.), (Warora); **Shankar Sadasio Kulkarni** (Con.), (Washam); **Maroti Kashiram Khirade** (S.C.), (Con.), (Washim (R)); **Tarachand Shermal Surana** (Con.), (Yeotmal); **Major P. Bernard** (Nominated).

Abbreviations Con.—Congress; Ind.—Independent; P.S.P.—Praja Socialist Party; R.R.P.—Rajya Rajya Parishad; S.K.P.—Shetkari Kamgar Paksha; S.T.—Scheduled Tribes; S.C.—Scheduled Castes.

* Election void.

MADRAS LEGISLATIVE COUNCIL

Chairman: Dr. P. V. Cherian.

Dy. Chairman: A. M. Allapichal.

Local Authorities: (14) **Narasappiah** (Con.), T. T. P. Kunni Pokker* (Ind.), (West Coast); **V. Rangaswami**, K. N. Palaniswami Gounder, Theogaraja Reddiar, P.B.K. (Cumbatore-Salem-Nilgiris); **S. D. S. O. Udayappa**, P. Sivasekaramany Nadar, T.S. Sankaranarayana Pillai (Madurai-Ramnad-Tinnevely); **C. Perumalswami Reddiar**,* Dr. C. Nathunani Naidu,* T. Purushottam* (Madras-Chingleput-N. Arcot); **C. Marudavanam Pillai**, A. Somasundara Reddiar, Janab Abdul Salam (Trichy-S. Arcot-Tanjore).

Graduates' Constituency: (4) **K. Balasubramanya Ayyar**, K. Bhashyam, Dr. P. V. Cherian, Dr. A. Lakshmanaswami Mudaliar (Madras South).

Teachers' Constituency: (4) **Gnanamuthu Alexander**, G. Krishnamurthi*, E. H. Parameswaran,* V. R. Ranganathan (Madras South).

Elected by Members of the Legislative Assembly: (18) **A. M. Alla Pichal**, (Con.); **T. G. Krishnamurthi*** (Con.); **M. P. Sivagnana Gramanlar*** (Con.); **N. Annamalai Pillai*** (Con.); **M. Rithirajulu** (Con.); **Srimathi S. Manjubhashini*** (Con.); **Govinda Menon** (K.M.P.P.), **Guru Nandan Rao** (Con.); **V. Chakkral Chettiar** (Ind.); **S. Srinivasa Rao**; **T. M. Narayanaswamy Pillai**; **Nalleanapathi Sarkari Manradar** (Ind.); **B. V. Subramanyam** (Soc.); **M. Bhaktavatsalam**; **A. Gajapathy Nayagar**; **Dr. V. K.**

John*; **Mohammad Raza Khan***; **Joth Venkatachellum**.

Nominated Members: (11) **C. Rajagopalachari**; **O. P. Ramaswami Reddiar**; **Janab Muhammad Usman***; **Vellapuram Bhashyam Ayyangar**; **Dr. S. Muthulakshmi Reddy***; **Shrimati R. S. Subbulakshmi Ammal**; **T. M. Dattasikhamani Achariar**; **P. N. Marthandan Pillai***; **G. Venkatachalam**; **M. C. Clubwala***; **M. Satyanarayana***.

Abbreviations Con.—Congress; Soc.—Socialist; Ind.—Independent; K.M.P.P.—Kisan Mazdoor Praja Party.

* Were due to retire as from April 20, 1954. At the time of going to press the following had been re-elected:

MADRAS-CHINGLEPUT-NORTH ARCOT (LOCAL AUTHORITIES): T. V. Devarajulu Mudaliar, C. Perumalswami Reddy, T. Purushothama Mudaliar.

WEST COAST (LOCAL AUTHORITIES): P. P. Ummer Koya, K. Gopalan.

MADRAS TEACHERS' CONSTITUENCY: G. Krishnamoorthi, E. M. Parameswaran.

MADRAS ASSEMBLY CONSTITUENCY: N. Annamalai Pillai, T. G. Krishnamoorthy, S. Narsapaya, V. V. Ramaswami, A. Subramaniam.

NOMINATED: M. C. Clubwala, S. Manjubhashini, Muhamed Usman.

MADRAS GRADUATES: Dr. V. K. John, Dr. A. Sreenivasan.

MADRAS ASSEMBLY GENERAL ELECTION*

Population : 57,016,002 (1951 final).

Electorate : 26,958,006.

Constituencies : 309 (243 SM, 66 DM).

Seats : 375 (SC 62, ST 4). After the separation of Andhra the strength is reduced to 230.

Parties	Candidates				Uncontested Gains			Contested Wins			Elected			Valid Votes Polled	Forfeited Deposit
	Set up	Total	SC	ST	Total	SC	ST	Total	SC	ST	Total	SC	ST		
1. Congress	367	367	60	2	1	-	-	151	31	-	152	31	-	7,000,203	14
2. Socialist	164	164	17	1	-	-	-	13	1	1	13	1	1	1,312,077	114
3. Kisan Mazdoor Praja Party	147	147	21	1	-	-	-	35	4	1	35	4	1	1,760,724	75
4. Jan Sangh	4	4	1	-	-	-	-	-	-	-	-	-	-	20,082	4
5. Communist Party of India	121	132	13	-	-	-	-	62	9	-	62	9	-	2,501,923	22
6. Scheduled Castes Federation	38	38	30	-	-	-	-	2	2	-	2	2	-	348,226	29
7. Krishikar Lok Party	63	63	7	3	2	1	1	13	1	-	15	2	1	620,894	26
8. Hindu Mahasabha	9	9	-	-	-	-	-	-	-	-	-	-	-	24,617	9
9. Forward Bloc (M)	6	6	1	-	-	-	-	3	1	-	3	1	-	138,203	2
10. Forward Bloc (R)	5	5	-	-	-	-	-	-	-	-	-	-	-	15,438	4
11. Ram Rajya Parishad	1	1	-	-	-	-	-	-	-	-	-	-	-	114	1
12. Revolutionary Communist	1	1	-	-	-	-	-	-	-	-	-	-	-	2,199	1
13. Other Parties**	69	70	11	-	-	-	-	31	8	-	31	8	-	1,291,358	14
14. Independents	670	302	43	1	-	-	-	62	4	1	62	4	1	4,830,743	471
Total	1,675	-	-	-	3	1	1	372	61	3	375	62	4	19,974,801	786

** Tamilnad 'Toolers' Party set up 31 candidates, won 19 seats, polled 783,346 votes, forfeited 4 deposits. Commonweal Party set up 12 candidates, won 6 seats, polled 195,598 votes, forfeited one deposit. Justice Party set up 9 candidates, won one seat, polled 82,231 votes, forfeited 4 deposits. Republican Party set up 6 candidates, did not win any seats, polled 48,233 votes, forfeited 2 deposits. Madras Muslim League set up 12 candidates, won 5 seats, polled 181,950 votes, forfeited 3 deposits.

The Congress Party had 152 seats in the 375-member Assembly, or 36 short of an absolute majority.

The Congress, which swept the polls in the previous elections securing more than 77 per cent. of the seats, now secured just over 40 per cent. of the seats in the new enlarged House. The Party polled 34.6 per cent. of a total of 19,974,801 votes cast in the State out of an electorate of 26,958,006.

The Communists, the second largest single Party, polled 12 per cent. of the total votes.

A striking feature of the elections was the defeat of several prominent leaders not only of the Congress but of all parties.

A region-wise analysis of election returns shows that Congress captured 82 per cent. of the seats from South Kanara, 50.5 per cent. from Tamilnad, 26.7 per cent. from Andhra and 13.8 per cent. from Malabar.

The Communists had their best returns in Andhra, particularly in Guntur and Krishna. They captured 27.5 per cent. of the total seats from Andhra, 24.1 per cent. from Malabar, 6.8 per cent. from Tamilnad and none from South Kanara.

The Party's nominees including Mr. Anandan Nambiyar, Mr. Nagi Reddi and Mr. P. Kana-murthi secured notable victories over prominent leaders.

Andhra also returned the largest number of K.M.P.P. candidates. Of 35 seats secured by the Party, 20 were from this area. The Party obtained 10.1 per cent. of the total votes polled in the State.

Tamilnad returned 7 K.M.P.P. candidates, Malabar 6 and South Kanara 2.

The K.M.P. Party secured maximum support from Malabar where it won 20.7 per cent. of the seats in the region. The Party obtained 18.2 per cent. in South Kanara, 13.4 per cent. in Andhra and 3.7 per cent. in Tamilnad.

Socialists entered the Madras Assembly for the first time with 13 members led by Dr. K. B. Menon who was elected from a Malabar constituency. Next to the Congress, the Socialists contested the largest number of seats but secured only 6.7 per cent. of the total votes polled.

Socialists had their best returns in Malabar where they secured 13.8 per cent. of the seats. They got 4.2 per cent. in Andhra and 1.6 per cent. in Tamilnad, and nothing in South Kanara.

The Krishikar Lok Party of Mr. N. G. Ranga had all its 15 wins including the two unopposed returns in Andhra where alone it set up candidates. It polled a little less than 3 per cent. of votes cast in the State.

The Forward Bloc and the Scheduled Castes Federation contested six and 89 seats respectively. They together polled 2 per cent. of the total votes cast.

The Forward Bloc leader Mr. U. Muthuramalinga Thevar, won both the Parliamentary and Assembly seats which he contested.

Mr. P. T. Rajan, Leader of the Justice Party which was in power during the diarchy rule was the only member of the Party in the State Assembly.

The Moplah-dominated areas of Malabar District returned five Muslim Leaguers to the State Assembly and one to the House of the People. They got less than one per cent. of the total votes polled.

Among the State Parties, the Tamilnad Toolers' Party and the Commonweal Party, formed with the avowed object of safeguarding the interests of backward classes, secured 19 and 6 seats respectively from Tamilnad region. They together polled 5.7 per cent. of the votes cast.

Independents obtained 23.4 per cent. of the total votes polled. Mr. Sivashanmugham Pillai, Speaker of the Assembly, and the Raja of Chettinad, Mr. M. A. Muthiah Chettiar, an Opposition Leader in the then sitting House, were among the prominent Independents re-elected to the Assembly. Congress did not set up candidates to oppose them.

Excluding the three unopposed returns, the remaining 372 seats in the State Assembly were contested by about 1,700 candidates, an average of four for a constituency.

* At the time of the general elections Andhra was not separated from Madras. The strength of the Madras Assembly is now 230.

MADRAS LEGISLATIVE ASSEMBLY*

Speaker : J. Sivashanmugam Pillai.

Dy. Speaker : B. Bhakthavathsalu Naidu.

[An estimate of party strength is as follows: Congress 117, Communists 23, Independents (U.D.F.) 7, Tamilnad Tolkiers 14, Commonweal 6, Dravidian Party 25, P.S.P. 12, K.M.P. 4, Forward Bloc 3, Muslim League 5, Scheduled Castes Federation 2, Justice Party 1, Unallied Socialists 2, Independents 8.]

S. Venkatrama Iyer (Con.), (Adirampattinam); G. Narayanasami Nayudu (Con.), (Aduthurai); Chinnathambi (Con.), (Alangulam); K. Krishnan (C.P.I.), (Alathur); Koran (SC), (K.M.P.), (Alathur (R)); P. Chockalingam (Ind.), (Ambasamudram); Mohamad Salihu Marajcar (Con.), (Aranthangi); S. Panchaksharam Chettia (Con.), (Arcot); Palanandi (Ind.), (Ariyalur); B. Bhakthavathsalu Naidu (Ind.), (Arkonam); V. K. Kannan (Commonweal), (Arni); Jayaram Reddy (Con.), (Aruppukottai); N. Kethina Gounder (Ind.), (Aravakuruchi); P. Subramaniam (Ind.), (Attur); Shrimati Soundaram Ramachandran (Con.), (Aulhoor); K. Moldu (P.S.P.), (Badagara); M. Gangappa (Ind.), (Bellary); B. K. Nallawami (Con.), (Bhavani); V. Krishnasami Padayachi (Con.), (Bhuvanagiri); S. S. Kolkeball (K.M.P.), (Brahmaur); K. T. Sreedharan (K.M.P.), (Cannanore); Ramaswami Gounder (Commonweal), (Chengam); S. Chellapandi (Con.), (Cheranmahadevi); A. Appu (Con.), (Cheyayur); Darmalinga Nayakar (Commonweal), (Cheyayur); V. Vaghoosam Pillai (Con.), (Chidambaram); Swami A. S. Sahajananda (SC), (Con.), (Chidambaram); K. Vinayakam (K.M.P.), (Chingleput); S. C. C. Anthony Pillai (P.S.P.), (Choolai); S. Subramaniam (Con.), (Coimbatore); Manjaya Shetty (Con.), (Coondapur); S. Ramasami (T.N.T.P.), (Cuddalore); A. Rathinam (SC), (T.N.T.P.), (Cuddalore (R)); P. T. Rajan (J.P.), (Cumbum (Madurai Dist.)); Senapathy Gounder (Ind.), (Dharampuram); P. R. Rajagopala Gounder (Ind.), (Dharmapuri); M. S. Munisamy Pillai (Con.), (Dindigul); S. Arthanarasa-wara Gounder (Con.), (Edappadi); R. Krishnaswami Naidu (Con.), (Edirkkottai); Raju (C.P.I.), (Erode); Aranganathan (T.N.T.P.), (Gangee); P. S. Nalla Gounder (Con.), (Gobichettipalayam); A. J. Arunachala Mudali (Con.), (Gudiyattam); A. M. Rathnasami (SC), (Con.), (Gudiyattam (R)); Dr. U. Krishna Rao (Con.), (Harbour); Ijari Sivasappa (Con.), (Harpanahalli); Duraisami Gounder (Ind.), (Harur); Nanjappan (SC), (Con.), (Harur (R)); Narayanan Nambiar (K.M.P.), (Hosdurg); R. Nanganagoud (Con.), (Hospet); M. Muni Reddy (Ind.), (Hosur); K. R. Viswanathan (T.N.T.P.), (Jayakondan); Ayyar (SC), (T.N.T.P.), (Jayakondan (R)); V. Krishnaswamy (Con.), (Kadambur); R. A. Nataraja Mudaliar (Ind.), (Kalasapakkam); Elaya Pillai (Ind.), (Kallakurichi); Anandan (SC), (Con.), (Kallakurichi (R)); S. Deivasigamany (K.M.P.), (Kancheepuram); A. K. Subbaraya Gounder (Con.), (Kangayan); A. B. R. M. Chockalingam Chettiar (Con.), (Karai-kudi); A. B. Shetty (Con.), (Karkal); M. Manickasundaram (Ind.), (Karur); T. V. Sannasi (SC), (Con.), (Karur (R)); M. S. Mogral (Con.), (Kosarpet); Nallaiswami (P.S.P.), (Kodumudi); V. K. Palaniswamy Gounder (Con.), (Kodupalayam); S. G. Virupakshiah (Con.), (Kollegal); A. K. Chakkeri (M.M.L.), (Kotakkal); K. Ramaswami (Con.), (Kotipatti); K. P. Kuttikrishnan Nayar (Con.), (Koshtikode); D. Krishnamurthy Gounder (Ind.), (Krihanagiri); Motrabasava Goud (Ind.), (Kudlig); T. R. Varadan (Con.), (Kumbakonam); Krishna Iyer (Ind.), (Kuthuparamba); Rajachidambaram (Ind.), (Lalpet); R. Kuppaswami (Con.), (Madakkurichi); V. Venkatasubba Reddy (Con.), (Madurantakam); B. Parameswaran (SC), (Con.), (Madurantakam (R)); P. Ramamoorthy (C.P.I.), (Madurai North); T. K. Rama (Con.), (Madurai South); K. Mohammed Hajeer Heethi (M.M.L.), (Malap-

puram; Chadayan Miniyadan (SC), (M.M.L.), (Malapuram (R)); Rajagopal (Con.), (Manachandalur); Krishnaswamy Ayyangar (Con.), (Manamadurai); A. Peter (Con.), (Manapparai); L. C. Pals (Con.), (Mangalore); K. O. Gopalan Unni (Ind.), (Mannargudi); Manali Kandasami (C.P.I.), (Mannargudi); Subbiah (SC), (C.P.I.), (Mannargudi (R)); K. Madhavan Nambiar (C.P.I.), (Mattanur); K. B. Sambandam (Ind.), (Mayuram); A. Veloo (SC), (Ind.), (Mayuram (R)); K. S. Subramania Gounder (Con.), (Mecheri); B. Gopala Gounder (T.N.T.P.), (Meimalayapur); Chinnakaruppa Thevar (Con.), (Melur); V. S. Sivaprakasam (SC), (Con.), (Melur (R)); Kempe Gounder (Ind.), (Mettupalayam); Muthuramalinga Thevar (F.B. (M)), (Mudukulathur); Mottayakudumban (SC), (F.B. (M)), (Mudukulathur (R)); N. N. Suvarna (Con.), (Mukty); Thangavelu (Ind.), (Musiri); C. R. Ramaswamy (Con.), (Mylapore); Sankaravarma Raja (Con.), (Nadapuram); Sivara (C.P.I.), (Nagapattinam); Vadivelu (SC), (C.P.I.), (Nagapattinam (R)); K. V. Ramaswami (C.P.I.), (Namakkal); M. P. Periaswami (SC), (Con.), (Namakkal (R)); P. G. Karuthiruman (Con.), (Namsayur); P. G. Manickam (SC), (Con.), (Nambiyur (R)); M. G. Sankar (Con.), (Nanguneri); M. D. Thiyagaraja Pillai (Con.), (Nannilam); Muthukumaraswami (SC), (Con.), (Nannilam (R)); P. K. Gopalakrishnan (C.P.I.), (Nattika); P. Venkatesa Sholagar (C.P.I.), (Nidamangalam); Muthu Thevar (Con.), (Nilakotai); S. Ayyanar (SC), (Con.), (Nilakotai (R)); Ari Gounder (Ind.), (Niduri); K. H. Bomman (SC), (Con.), (Niduri (R)); Raja Meka Rangayya, P. Rathinasami Pillai (Ind.), (Omatur); S. Lakshminipathy Naicker (Ind.), (Othanchalam); M. Narayana Kurup (K.M.P.), (Ottapalam); T. Ganapathi (Con.), (Palavoor); K. Ramakrishnan (Ind.), (Palghat); M. P. Mangala Gounder (Ind.), (Palni); B. Valkunta Baliga (Con.), (Pannamangalore); S. Radhakrishnan (T.N.T.P.), (Panruti); Swayamprakasam (Ind.), (Papanasam); Govindan (Con.), (Paramakudi); R. Rangaswami Gounder (Ind.), (Paramathi); V. Sankaranarayana Menon (K.M.P.), (Pallambi); V. Nadimuthu Pillai (Con.), (Pattukottai); K. P. Gopalan (C.P.I.), (Payyanur); S. Kandasami Gounder (T.N.T.P.), (Pennagaram); Paramasivam (Ind.), (Perambalur); Palanimuthu (SC), (T.N.T.P.), (Perambalur (R)); Kunhiraman Kitavu (K.M.P.), (Perambur); S. Pakkiriswamy Pillai (P.S.P.), (Perambur); Kunhimohamed Shafee (M.M.L.), (Perintalamanna); Mookayya Thevar (F.B. (M)), (Periyakulam); V. Muthu (SC), (Con.), (Periyakulam (R)); N. Mahalingam (Con.), (Pollachi); P. K. Thiru Moorthi (SC), (Con.), (Pollachi (R)); M. A. Manickavelu Naicker (Commonweal), (Polur); Gopala Menon (Con.), (Ponnani); E. T. Kunhan (SC), (C.P.I.), (Ponnani (R)); K. Gajapathy (K.M.P.), (Ponneri); O. Chengam Pillai (SC), (K.M.P.), (Ponneri (R)); V. Balakrishnan (T.N.T.P.), (Pudukottai); Kumaraswami Rajah Bahadur (K.M.P.), (Puttur (Chittoor Dist.)); K. Venkataratnam Gowda (Con.), (Puttur (S. Kanara Dist.)); K. Ishwara (SC), (Con.), (Puttur (R)); Kunhirama Kurup, (K.M.P.), (Quilandy); Shanmuga Rajeswara Sethupathy (Con.), (Ramanathapuram); Munuswamy Gounder (Con.), (Ramipet); T. M. Kallanani (Con.), (Rasipuram); N. Ramakrishna Iyer (Con.), (Saidapet); T. P. Elumalai (SC), (Con.), (Saidapet (R)); C. Lakshmana Kandar (Con.), (Salem Rural); P. Varadaraju Naidu (Con.), (Salem Town); G. Samia Koorayar (Ind.), (Salliyamangalam); Ramasundara Karunayapandian (Ind.), (Sankaranankottai); Urkavandan (SC), (Con.), (Sankaranankottai (R)); K. T. Kosalram (Ind.), (Sattankulam); S. Ramaswamy Naidu (Con.), (Sattur); Thinnakarassami Thevar

(Con.), (Sedapatti); M. Subramanya Naicker (Commonweal), (Sholingur); C. Muthia Pillai (Con.), (Sirkali); Saied Farmeswarappa (Con.), (Siruguppa); R. V. Swaminathan (Con.), (Sivaganga); T. Shanmugam (Ind.), (Sriperumbudur); Chitrabalam (C.P.I.), (Srirangam); D. K. Raju (Ind.), (Srivilliputtur); Valkuntam (SC), (Con.), (Srivilliputtur (R)); A. Sambasivam (Con.), (Talaasal); T. Narayanan Nambiar (C.P.I.), (Talaparamba); Ramalingam (C.P.I.), (Tanjore); M. Marimuthu (SC), (Con.), (Tanjore (R)); C. H. Kanaran (C.P.I.), (Tanjore); Subramania Pillai (Con.), (Tanjore); Palaniappan (Con.), (Thirumayam); Chinnayya (SC), (T.N.T.P.), (Thirumayam (R)); K. Venkataswami Naidu (Con.), (Thousand Lights); J. Sivashanmugam Pillai (SC), (Ind.), (Thousand Lights (R)); P. Rangasami Reddhar (Ind.), (Thuraiyur); Venugopala Gounder (T.N.T.P.), (Tindivanam); Jagannathan (SC), (T.N.T.P.), (Tindivanam (R)); T. S. Arthanar (C.P.I.), (Tiruchengode); S. Arumugam (SC), (Ind.), (Tiruchengode (R)); S. T. Adityan (K.M.P.), (Tiruchendur); V. Arumugam (SC), (Con.), (Tiruchendur (R)); M. Kalyanasundaram (C.P.I.), (Tiruchirappalli North); A. Ramaswami (Con.), (Tiruchirappalli South); T. D. Muthukumarasami Naidu (T.N.T.P.), (Tirukkoyilur); A. Muthusamy (SC), (T.N.T.P.), (Tirukkoyilur (R)); K. Rajaram (Con.), (Tirumangalam); Somayajulu (Con.), (Tirunelveli); Arumugam (SC), (Con.), (Tirunelveli (R)); M. A. Muthiah Chettiar (Ind.), (Tirupattur (Ramanathapuram Dist.)); E. L. Raghava Mudali (Ind.), (Tirupattur (N. Arcot Dist.)); M. P. Ramachandran (Con.), (Tiruppur); Rangasami Naidu (Con.), (Tiruppur); Arumugham (SC), (Con.), (Tiruppur (R)); K. Uppi Saheb (M.M.L.), (Tirur); Chellathurai (Ind.), (Tiruvadanai); V. Govindaswamy Naidu (K.M.P.), (Tiruvallur); M. Dharmalingam (SC), (K.M.P.), (Tiruvallur (R)); A. Ramachandra Reddhar (Con.), (Tiruvannamalai); R. Thangavelu (SC), (Con.), (Tiruvannamalai (R)); Palanisami Gounder (Con.), (Tondamutur); A. M. Sambandam (Con.), (Tropicane); K. B. Menon (P.S.P.), (Trilohai); J. L. P. Roche Victoria (Con.), (Tuticorin); Mounaguruswami Naidu (Con.), (Udamakpet); P. M. Munuswamy (Con.), (Uddanapatti); T. Anantha Pal (Con.), (Udipi); M. Kandasamy Padayachi (Con.), (Ulundurpet); A. S. Subbaray (Con.), (Uthamapalayam); Palaniswami (Ind.), (Uthukuli); V. K. Ramaswami Mudaliar (Con.), (Uthiramerur); Chinnaswamy Naidu (Con.), (Vadamadurai); P. Kandasami Gounder (Ind.), (Valappadi); A. K. Hanumantharaya Gounder (Ind.), (Vanivambadi); V. Madangopal (C.P.I.), (Vedarandur); A. K. Masilamani Chetti (Con.), (Vellore); H. M. Jagannathan (SC), (Con.), (Vellore (R)); Govindaswami Nayar (T.N.T.P.), (Vikravandi); P. Selvaraj (Con.), (Vilathilam); Nagarajan (T.N.T.P.), (Vilupuram); A. A. K. Shanmugham (Con.), (Virudhunagar); Paramasivam (T.N.T.P.), (Vridhdachalam); Kattimuthu (SC), (T.N.T.P.), (Vridhdachalam (R)); Somasundara Gounder (Commonweal), (Wandiwash); D. Dasarathan (SC), (S.C.F.), (Wandiwash (R)); P. Jeevanandam (C.P.I.), (Washermanpet); Padma Prabha Gounder (P.S.P.), (Wynad); Velukkan Chemadi (ST), (P.S.P.), (Wynad (R)).

Abbreviations : Con.—Congress; P.S.P.—Praja Socialist Party; Ind.—Independent; S.C.F.—Scheduled Castes Federation; K.M.P.P.—Klean Mazdoor Party; C.P.I.—Communist Party of India; K.L.P.—Kishikar Lok Party; T.N.T.P.—Tamil Nad Tolkiers' Party; M.M.L.—Madras Muslim League; F.B.(M)—Forward Bloc (Marxist); S.C.—Scheduled Castes; S.T.—Scheduled Tribes.

ORISSA ASSEMBLY GENERAL ELECTIONS

Population : 14,645,946 (1951 final).

Electorate : 7,708,161.

Constituencies : 107 (74 SM, 33 DM).

Seats : 140 (SC 21, ST 28)

Parties	Candidates for Seats				Uncontested Gains			Contested Wins			Elected			Valid Votes Polled	Forfeited Deposit
	Set up	Total	SC	ST	Total	SC	ST	Total	SC	ST	Total	SC	ST		
1. Congress	135	135	21	25	5	3	2	62	9	10	67	12	12	1,385,501	15
2. Socialist	79	79	10	9	—	—	—	10	—	2	10	—	2	432,731	39
3. Kisan Mazdoor Praja Party	8	8	2	—	—	—	—	—	—	—	—	—	—	19,689	7
4. Jan Sangh	1	1	—	—	—	—	—	—	—	—	—	—	—	3,128	1
5. Communist Party of India	33	33	8	1	—	—	—	7	1	1	7	1	1	206,939	14
6. Forward Bloc (R) ..	1	1	—	—	—	—	—	—	—	—	—	—	—	2,779	1
7. Forward Bloc (M) ..	2	2	—	—	—	—	—	1	—	—	1	—	—	12,874	1
8. Ganatantra Parishad ..	58	58	8	15	—	—	—	31	5	11	31	5	11	753,755	10
9. Independent People's Party	3	3	1	—	—	—	—	3	1	—	3	1	—	34,566	—
10. Radical Democratic Party	1	1	—	—	—	—	—	—	—	—	—	—	—	1,589	1
11. Adivasi Mahasava ..	3	3	1	1	—	—	—	—	—	—	—	—	—	8,689	3
12. Independents	198	95	11	9	—	—	—	21	2	2	21	2	2	809,037	129
Total	522	—	—	—	5	3	2	135	18	26	140	21	28	3,670,275	221

The ruling party of the State, the Congress was returned to power very much reduced in strength.

The Ganatantra Parishad was the main Opposition party in the Assembly with its strength of 31.

Among the four of the Independent People's Party were two leading figures, Pandit Nilakant Das and Pandit Godavarish Misra.

The election showed the hold of the Ganatantra Parishad under the leadership of the Maharaja of Patna in the Bolangir district where it captured all the nine seats to the Assembly and the two seats to the House of People. In Kalahandi, a district neighbouring Bolangir it obtained four out of the seven seats. The Parishad upset the Congress Party's calculations by capturing seven out of eleven seats in Koraput district.

The Congress could not obtain a single seat out of five in Keonjhar district. In Phulbani district they secured one out of the four seats. The only district where Congress obtained full support was Balasore in which it captured 11 out of the 12 seats. The twelfth seat went to a dissident Congressman.

The great success achieved by ex-Rulers and zamindars or members of their families was a feature of the elections.

In all there were fifteen of them, four belonging to the Congress Party, three to the Ganatantra Parishad and the rest were returned as Independents. In almost all the 15 constituencies, they obtained overwhelming majorities.

This was stated to be mainly owing to the personalities, who hitherto having remained secluded and unapproachable to the masses, went to the electorate personally, some ably assisted by their wives, and met the electorate in their huts in the villages. This approach touched the sentiment of the people.

Out of the 140 seats, 50 belong to the former States' areas. Only 14 of those 50 seats went in favour of the Congress and 21 to the Ganatantra Parishad.

The Ganatantra Parishad, in fact, had its main strength drawn from the States' areas.

Another feature of its composition was that the Scheduled Tribe and Scheduled Caste members were in a majority with 16 out of its total strength of 31.

ORISSA LEGISLATIVE ASSEMBLY

Speaker : Nanda Kishore Das.

Dy. Speaker : Mahomed Haneeb.

Pradhan Makardhwaj (P.S.P.), (Ambabhora Mura); Janardhan Bhanj Deo (Ind.), (Anandpur); Bhagla Sethi (SC), (Ind.), (Anandpur); Hrushikesh Tripathy (Con.), (Angul-Hindol); Arkhita Naik (SC), (Con.), (Angul-Hindol); Harihar Das (C.P.I.), (Aska); Mohan Naik (SC), (C.P.I.), (Aska); Radhanath Bath (Con.), (Athgarh); Raja Shri Kishore Chandra Deo (Ganatantra Parishad), (Athmalik); Bipin Behari Das (Con.), (Atiabira); Raja Sallandra Narayan Bhanja Deo (Ind.), (Aul); Sunaram Soren (ST), (Con.), (Bahalda); Surendra Nath Das (Con.), (Balasore); Jadab Parida (ST), (Con.), (Bahuga); Pranakrushna Fria (Ind.), (Balkuda); Indubhusan Mohanty (Ganatantra Parishad), (Bamra); Jayadeb Thakur (ST), (Ganatantra Parishad), (Bamra); Jadab Majhi (ST), (Con.), (Bansgripot); Gokulananda Praharaj (P.S.P.), (Bant); Godavarish Misra (I.P.P.), (Banpur); Gokulananda Mohanty (Con.), (Bant); Naba Krushna Choudhuri (Con.), (Barchana); Tirthabasi Pradhan (Con.), (Baragarh); Girish Chandra Roy (C.P.I.), (Haripada); Surendra Singh (SC), (Con.), (Baripada); Trilochan Senapati (Con.), (Basta); Gangadhar Paikra (C.P.I.), (Begur); Brundaban Naik (Con.), (Berhampur); Mohan Nayak (Con.), (Berhampur); Muhammad Haneeb (Con.), (Bhadrak); Jogesh Chandra Singh Deo (Ganatantra

Parishad), (Bhawaniapatna); Janardhan Majhi (ST), (Ganatantra Parishad), (Bhawaniapatna); Sasi Kanta Bhanja (Ind.), (Bhogra); Kanhu Mallik (Con.), (Bhubaneswar); Satyapriya Mohanty (Con.), (Bhubaneswar); Baikuntha Nepak (Ganatantra Parishad), (Bilika); Padmanabh Ray (Con.), (Binjarpur); Naba Kishore Mallik (SC), (Con.), (Binjarpur); Achutanand Mahakur (Ganatantra Parishad), (Birmaharajpur); Madanmohan Amat (ST), (Con.), (Bura); Shyamogho Ula (ST), (Ganatantra Parishad), (Busemkatak); Nanda Kishore Misra (Ganatantra Parishad), (Bolangir); Achutananda Mahananda (SC), (Ganatantra Parishad), (Bolangir); Nilamani Singh Dandpat (ST), (Ganatantra Parishad), (Bona); Himaneshu Shekhar Padhi (Ind.), (Boudh); Biswanath Parida (Con.), (Brahmagiri); Guri Charan Naik (ST), (Ganatantra Parishad), (Champur); Chakradhar Behera (Con.), (Chandabali); Brundaban Das (SC), (Con.), (Chandabali); V. Sitaranayya (Con.), (Chattrapur); Bhairachandra Mohanty (Con.), (Cuttack); Laxman Malik (SC), (Con.), (Cuttack); Biren Mitra (Con.), (Cuttack Town); Rajabhadur Kishore Chandra Bhanj Deo (Raja of Dasapalla) (Con.), (Dasapalla); Nilamani Routra (Con.), (Dhamanagar); Paramananda Mohanty (P.S.P.), (Dhamanagar); Balasaba Charan Patnaik (C.P.I.), (Dhenkanal);

Madan Dehury (ST), (C.P.I.), (Dhenkanal); Gourishyam Naik (Con.), (Ersama); Bhagirathi Ganang (ST), (Ganatantra Parishad), (Gunupur); Nilamani Pradhan (Con.), (Jagatsinghpur); Jhajru Jhodia (ST), (Con.), (Jaipatna-Kasipur); Gadadhar Dutta (Con.), (Jajpur); Santanu Kumar Das (SC), (Con.), (Jajpur); Karunakar Panigrahi (Con.), (Jaleswar); Harihar Misra (Ganatantra Parishad), (Jeypur); Lolchan Naik (SC), (Ganatantra Parishad), (Jeypur); Bijoy Kumar Paul (Con.), (Jharsuguda-Rampalla); Manohar Naik (ST), (Ganatantra Parishad), (Jharsuguda-Rampalla); Bijayananda Patnaik (Con.), (J. Prasad); Maharaja Pratap Keshari Deo (Maharaja of Kalahandi) (Ganatantra Parishad), (Junagarh); Dayanidhi Naik (SC), (Ganatantra Parishad), (Junagarh); Harachand Hansda (ST), (P.S.P.), (Kapildada); Ganga Mudil (ST), (Ganatantra Parishad), (Koraput); Upendra Mohanty (Con.), (Kakapur-Nimapara); Govinda Chandra Sethy (SC), (Con.), (Kakapur-Nimapara); Dinabandu Sahu* (Con.), (Kendrapara); Laxminarayana Bhanj Deo (Ind.), (Keonjhar); Gobinda Munda (ST), (Ganatantra Parishad), (Keonjhar); Rajakrishna Bose* (Con.), (Keonjhar); Ram Chandra Mardaraj Deo (Ind.), (Khalikote); Raja Sahab Harihar Singh Mardaraj Bharambar Deo (Raja of Khandpara) (Ind.), (Khandpara);

* Election declared void.

Shakila Shoreen (ST), (P.S.P.), (Khunta (R)); Madhabachandra Rautra (Con.), (Khurda); Bonomali Maharana (P.S.P.), (Kudala); Pradipta Kishore Das (P.S.P.), (Mahanga); Lakshman Goudo (Ganatantra Parishad), (Malkangiri); Parasanna Kumar Das (P.S.P.), (Muruda); Bhogoban Khemundu Naik (Con.), (Nandapur); Brundaban Sahu (Ganatantra Parishad), (Narsingpur); Anup Singh Deo (Con.), (Nawapara); Chaitan Majhi (ST), (Con.), (Nawapara (R)); Raja Saheb Krushna Chandra Singh Mandhata (Raja of Nayagarh) (Con.), (Nayagarh); Nilambar Das (Con.), (Nigiri); Chaitanya Sethi (SC), (Con.), (Nigiri (R)); Sadasib Tripathy (Con.), (Nowrangpur); Mudi Naiko (ST), (Con.), (Nowrangpur (R)); Anirudha Misra (Ind.), (Padampur); Lall Ranjit Singh Bartha (ST), (Con.), (Padampur (R)); Ganeswar Mahapatra (Ganatantra Parishad (Padua); Mahesh Chandra Subahusinh (Con.), (Pal-Lahara-K. Nagar); Baidhar Naik (SC), (Con.), (Pal-Lahara-K. Nagar (R)); Biswanath Sahu

(P.S.P.), (Panchpir); Ghasiram Sandil (SC), (Ind.), (Panchpir (R)); Jagannath Misra (C.P.I.), (Parlakimedi); Appanna Dora Viswasal (ST), (Ind.), (Parlakimedi (R)); Lokanath Misra (Con.), (Paikura); Arjun Das (Ganatantra Parishad), (Painagarh); Ganeshran Bariah (ST), (Ganatantra Parishad), (Patnagarh (R)); Dibakar Patnaik (P.S.P.), (Patrapur); Kumari Ramraj (Ind.), (Pattamunda); Govind Pradhan (C.P.I.), (Pattapur); Sadananda Sahu (Con.), (Phulbani-Udayagiri); Balakrishna Mallick (ST), (Ind.), (Phulbani-Udayagiri (R)); Jayakrishna Mahanty (Con.), (Pipili); Fakir Charan Das (P.S.P.), (Puri); Harihar Das (Con.), (Purusottampur); Haradev Triya (ST), (Con.), (Raigangpur (R)); Agapit Lakra (ST), (Con.), (Raigangpur (R)); Shrimati Saraswati Dei (Con.), (Rajnagar); Shrimati Basantamanjuri Devi (Con.), (Ranpur); Madanji Kamayya (ST), (Con.), (Rayagada (R)); Deenabandhu Behera (Con.), (Rossukunda); Surendranath Patnaik (Con.), (Salepur); Purananda Samal (SC), (Con.), (Salepur (R)); Sradhu-

kar Supakar (Ganatantra Parishad), (Sambalpur-Rairakhol); Bhikari Ghasi (SC), (Ganatantra Parishad), (Sambalpur-Rairakhol (R)); Nilakantha Das (I.P.P.), (Satyabadi); Bhikari Sahu (Con.), (Sohella); Bisi Bibhar (SC), (Con.), (Sohella (R)); Anantha Ram Nanda (Ganatantra Parishad), (Sonepur); Nanda Kishore Das (Con.), (Soro); Krupanidhi Naik (Con.), (Sundargarh); Dwarkanath Kusum (SC), (Ganatantra Parishad), (Sundargarh (R)); Narayan Chandra Patil (P.S.P.), (Sukinda); Pabitra Mohan Pradhan (Con.), (Talchar); Nishamoni Khuntia (P.S.P.), (Tirtol); Muralidhar Panda (Ganatantra Parishad), (Tilagarh); Rameshchandra Bhol (ST), (Ganatantra Parishad), (Tilagarh (R)); Pattu Molko (ST), (Con.), (Udayagiri-Mohana (R)).

Abbreviations: Con—Congress; P.S.P.—Praja Socialist Party; Ind.—Independent; C.P.I.—Communist Party of India; F.B. (M)—Forward Bloc (Marxist); I.P.P.—Independent Peoples' Party; S.C.—Scheduled Tribe; S.C.—Scheduled Caste.

PUNJAB LEGISLATIVE COUNCIL*

Chairman : Sardar Kapoor Singh.

Deputy Chairman : Miss V. G. Bhan.

Assistant Secretary : Sardar Narinder Singh Malhotra.

Sardar Partap Singh Kairon (Assembly); Chaudhri Lehlal Singh (Assembly); Sardar Ujjal Singh (Assembly); Jagat Narain (Assembly); Chaudhri Sundar Singh (Assembly); Sardar Gurbachan Singh Bajwa (Assembly); S. M. Sikri (Advocate-General); A. C. Ball (Assembly); Aman Nath (Local Authorities); Balwant Rai Ahluwalia (Assembly); Bashirud-Din (Nominated); Chaman Lal (Teachers); Champa Mangat Rai (Graduates); Darbari Lal Gupta (Local Authorities); Dr. Dina Nath Saggat (Local Authorities); Sardar

Gulab Singh (Assembly); Sardar Gurbakhsh Singh (Local Authorities); Hans Raj Kapur (Assembly); Bhal Jodh Singh (Graduates); Sardar Kartar Singh (Assembly); Kishori Lal Sethi (Assembly); Krishan Chander (Local Authorities); Rao Lal Singh (Local Authorities); Madho Ram (Assembly); Mohan Lal (Local Authorities); Mohan Lal (Nominated); Mul Raj Sharma (Nominated); Sardar Naginder Singh (Local Authorities); Narain Singh (Local Authorities); Puran Chand Azad (Local Author-

ities); Pandit Ram Dhan Sharma (Nominated); Sardar Ram Dayal Singh (Local Authorities); Ram Krishna Bakhshi (Local Authorities); Chaudhri Sahib Ram (Assembly); Sardar Sahib Singh (Assembly); Sardar S. G. Thakar Singh (Nominated); Sardar Sohan Singh Josh (Assembly); Suraj Bhan (Graduates); Chaudhri Suraj Mal (Local Authorities); Dr. Surya Kanta (Nominated); Chaudhri Udo Singh (Teachers); Bhai Vir Singh (Nominated); Sarda Waryam Singh (Teachers); Yashpal (Assembly).

* The following members were due to retire on April 26, 1954: A. C. Ball, Balwant Rai Raj Kapur, Rao Lal Singh, Dr. Madho Ram Sharma, Mul Raj Sharma, Puran Chand Azad, Sardar S. G. Thakar Singh, Chaudhri Suraj

Mal, Sardar Waryam Singh.

The following were elected at the time of going to press:
A. C. Ball, Sardar Gurcharan Singh, Hans Premnath Das, Ram Chandra, Sardar Teja

Raj Kapur, Sardar Harinder Singh, Hari Singh, Chaudhri Kartar Singh, Rao Mohan Singh, Singh Namdhari Birendra Singh.

PUNJAB ASSEMBLY GENERAL ELECTIONS

Population : 12,641,205 (1951 final).

Electorate : 6,718,345.

Constituencies : 105 (84 SM, 21 DM). Seats : 126 (SC 21).

Parties	Candidates for Seats			Uncontested Gains		Contested Wins		Elected		Valid Votes Polled	Forfeited Deposit
	Set up	Total	SC	Total	SC	Total	SC	Total	SC		
1. Congress	123	123	19	1	—	96	14	97	14	1,862,879	4
2. Socialist	68	68	12	—	—	1	1	1	1	248,461	61
3. Kisan Mardoor Praja Party	11	11	3	—	—	—	—	—	—	31,203	10
4. Jan Sangh	68	68	8	—	—	—	—	—	—	201,287	45
5. Communist Party of India	32	32	6	—	—	4	1	4	1	221,110	17
6. Scheduled Castes Federation	30	30	14	—	—	—	—	—	—	150,992	22
7. Hindu Mahasabha	4	4	1	—	—	—	—	—	—	6,125	4
8. Ram Rajya Parishad	4	4	—	—	—	—	—	—	—	9,913	3
9. Forward Bloc (M)	36	36	5	—	—	2	—	2	—	114,073	32
10. Forward Bloc (R)	3	3	—	—	—	—	—	—	—	1,804	3
11. Akali Party	62	62	14	—	—	14	5	14	5	663,701	19
12. Other Parties*	75	75	13	—	—	4	—	4	—	564,594	37
13. Independents	321	118	19	—	—	4	—	4	—	808,083	298
Total	837	—	—	1	—	125	21	126	21	4,974,234	550

The elections in the Punjab provided many surprises, of which the major one was the exit of Dr. Gopichand Bhargava, the dominant figure in the State's turbulent politics since partition in 1947.

Another surprise was the failure of the Jan Sangh with 68 candidates to secure a single seat in the State, where it took its first organisational shape and where it was considered to be very strong.

The elections also marked the total eclipse of the Socialist Party, the Scheduled Castes Federation and the Depressed Classes League, a provincial party led by the former Punjab Minister, Mr. Prithvi Singh Azad.

Elections were held for 125 seats as one seat had been won by the Congress earlier without opposition.

The Congress got 38.25 per cent of the 4,974,234 votes polled in the State Assembly elections.

The Independents polled 20.18 per cent. of the votes.

The Akalis, who with their slogan of a Punjabi-speaking province once looked formidable, secured 13.3 per cent. of the votes polled.

Their leader, Sardar Umrao Singh, lost to the State Congress chief, Sardar Pratap Singh Kairon, from an Amritsar constituency on the Indo-Pakistan border but only by a margin of a little over 1,000 votes.

The Socialist Party got 4.2 per cent. of the votes.

With only .5 per cent. more votes, the Communists won four seats with 17 forfeitures. Three of their successful candidates were detained and the fourth was on parole.

The other Leftists were the Lal Communists and the Forward Bloc, who got two seats each with 18 and 36 candidates, respectively.

The Forward Bloc got 1.43 per cent. of the votes. The other Leftists combined polled 1.1 per cent. of the votes.

The Jan Sangh polled 5.33 per cent. of the votes.

The Zamindara League got two seats of the 32 contested. Its leaders, Chaudhri Suraj Mal and Chaudhri Tika Ram, the last-mentioned of whom was Revenue Minister in undivided Punjab, however, lost in the fight. The League secured 7.74 per cent. of the votes cast.

The All-India Scheduled Castes Federation polled 2.6 per cent. of the votes.

The Depressed Classes League polled .9 per cent. of the votes.

Other parties in the field were the Refugee Board and the Krishikar Lok Party which had put up one candidate each. Their combined votes formed only .22 per cent. of the total cast.

* Punjab Zamindara League put up 32 candidates, won 2 seats, polled 383,126 votes, forfeited 5 deposits. Lal Communist Party put up 18 candidates, won 2 seats, polled 94,992 votes, forfeited 11 deposits. Depressed Classes League put up 17 candidates, did not win any seats, polled 75,078 votes, forfeited 13 deposits. Bharat Lok Congress put up 8 candidates, did not win any seats, polled 11,898 votes, forfeited 8 deposits.

PUNJAB LEGISLATIVE ASSEMBLY

Speaker : Sardar Gurdial Singh Dhillon.

Dy. Speaker : Swarup Singh.

Secretary : Dr. Kuldip Chand Bedi

Chandi Ram (Con.), (Abohar), Mota Singh (Con.), (Adampur); Master Gurbanta Singh (SC), (Con.), (Adampur (R)); Achhar Singh (C.P.I.), (Anala); Khushi Ram (Con.), (Amb), Abdul Ghaffar Khan (Con.), (Ambala City); Dev Raj Anand (Con.), (Ambala Cantt.); Waryam Singh (Con.), (Amritsar Sadar); Khem Singh (SC), (Con.), (Amritsar Sadar (R)); Amir Chand Gupta (Con.), (Amritsar City Central); Sardar Saroop Singh (Akali), (Amritsar City East); Vacant (Amritsar City North); Shrimati Shanno Devi (Con.), (Amritsar City West); Hari Chand (F.B.M.), (Anandpur), Kasturi Lal (Con.), (Asandh); Bachan Singh (Lal Communist), (Bagha Purana); Sri Chand (P.Z.L.), (Bahadurgarh); Baloo Ram (Con.), (Bulachaur); Kidar Nath Sehgal (Con.), (Ballabhgarh); Sardar Gurbachan Singh (Con.), (Batala); Sohan Singh (Con.), (Beas); Ram Kumar (Con.), (Bhuwani); Mann Raj (SC), (Con.), (Bhuwani (R)); Ram Sarup (Con.), (Bulana); Phaggu Ram (SC), (Con.), (Bulana (R)); Jagat Narain (Con.), (Chandigarh); Ram Dayal Vaid (Con.), (Dabwali); Hari Singh (Con.), (Darya); Sardar Nazir Singh (Akali), (Delhon); Joginder Singh (Con.), (Dera Baba Nanak); Hari Ram (Con.), (Dharamsala); Mani Ram (P.S.), (Fatehabad); Balu, (P.S.) (SC), (Fatehabad (R)); Wadhawa Ram (Lal Communist), (Fazilka); Harnain Singh (Con.), (Ferozepore); Mohammed Yasin Khan (Con.), (Ferozepur Jhirka); Chaudhri Lahri Singh (Con.), (Ganaur); Harbhajan Singh (Con.), (Garhshankar); Kartar Singh (SC), (Con.), (Garhshankar (R)); Samar Singh (Con.), (Gharuanda); Nanhu Ram (Con.), (Gohana); Mann Chand (SC), (Con.), (Gohana (R)); Prabodhi Chandra (Con.), (Gurdaspur); Chaudhri Sundar

Singh (SC), (Con.), (Gurdaspur (R)); Gajraj Singh (Con.), (Gurgaon); Pratap Singh (Ind.), (Gurubarsaha); Daulat Ram (Con.), (Hamirpur); Mehar Singh (SC), (Con.), (Hamirpur (R)); Lajpat Rai (Con.), (Hansa); Thakur Mehar Singh (Con.), (Haripur); Dharam Vir (Con.), (Hassanpur); Balwant Rai (Con.), (Hesar City); Capt. Ranjit Singh (Con.), (Hoshar Sadar); Jagat Ram (Con.), (Hosharpur); Guran Dass (SC), (Con.), (Hosharpur (R)); Dev Datt (Con.), (Jagadhri); Sardar Iqbal Singh (Akali), (Jagraon); Gopal Singh (SC), (Akali), (Jagraon (R)); Gurdial Singh (Con.), (Jhabal); Sher Singh (Con.), (Jhajjar); Chand Ram (SC), (Con.), (Jhajjar (R)); Ram Kishan (Con.), (Jullundur City (North-West)); Shrimati Sita Devi (Con.), (Jullundur City (South-East)); Daulat Ram (Con.), (Kadthal); Chaudhri Badli Ram (Con.), (Kalanau); Master Nand Lal (Con.), (Karnal); Gurdial Singh (Con.), (Kartarpur); Balwant Singh (Con.), (Khalra); Teg Ram (Con.), (Khuan Sarwar); Sardar Puran Singh (Akali), (Kot Bhai); Sardar Bhag Singh (SC), (Akali), (Kot Bhai (R)); Lal Chand (F.B.M.), (Kulu); Jagdish Chandra (Con.), (Ludhiana City North); Bhim Sen Sachar (Con.), (Ludhiana City South); Sardar Shamsher Singh (Akali), (Ludhiana Sadar); Partap Singh (Ind.), (Mallanwala); Nidhan Singh (C.P.I.), (Mehna); Sardar Devinder Singh (Akali), (Moga Dharamkot); Sardar Mukhtar Singh (SC), (Akali), (Moga Dharamkot (R)); Rattan Amol Singh (Con.), (Molana); Ram Parkash (SC), (P.S.P.), (Molana (R)); Raja Ram (Con.), (Mukerian); Sardar Bhag Singh (Akali), (Mukhtar); Sardar Harkishan Singh; Surjit (C.P.I.), (Nakodar); Sant Ram (SC), (Con.), (Nakodar (R)); Sadhu Ram (Con.), (Naraingarh); Sarup Singh (Con.), (Narnaund); Gorakh Nath

(Con.), (Narot Jaimal Singh); Gurbachan Singh (Con.), (Navanshahr); Bishna (SC), (Con.), (Navanshahr (R)); Abdul Ghand (Con.), (Nuh); Darbara Singh (Con.), (Nurmahal); Ram Chandra Comrade (Con.), (Nurpur); Kanhaya Lal (Con.), (Palampur); Gurdatt Singh (Con.), (Palwal); Chaudhri Krishna Gopal Datt (Con.), (Panipat); Kesho Dass (Ind.), (Pathankot); Partap Singh (Con.), (Patti); Niranjan Dass (Con.), (Phillaur); Gopi Chand (Con.), (Pundri); Rizaq Ram (Con.), (Rai); Shrinati Parkash Kaur (Con.), (Ram Dass); Sardar Shiv Singh (Con.), (Ramda); Abhai Singh (Con.), (Reicari); Chuni Lal (SC), (Con.), (Rewari (R)); Dev Raj Sethi (Con.), (Rohtak City); Rajinder Singh (Con.), (Rupar); Sardar Pratap Singh (SC), (Akali), (Rupar (R)); Mool Chand (Con.), (Sambhalta); Maru Singh (P.Z.L.), (Sampla); Sardar Ajmer Singh (Akali), (Samrala); Sardar Naurang Singh (SC), (Akali), (Samrala (R)); Sardar Gurmeel Singh (Con.), (Serah); Raghuvir Singh (Ind.), (Sera); Devi Lal (Con.), (Sivra); Chaudhri Jagdish Chander (Con.), (Shahabad); Som-Datt (Con.), (Simla); Babu Dayal (Con.), (Sohna); Shri Ram Sharma (Con.), (Somepat); Uttam Singh (Con.), (Sri-gobindpur); Partap Singh (Con.), (Suanpur); Chanan Singh (C.P.I.), (Tanda); Mohan Singh (Con.), (Tarn-Taran); Darshan Singh (SC), (C.P.I.), (Tarn-Taran (R)); Banarsi Dass (Con.), (Thanesar); Mansa Ram (Con.), (Una)

Abbreviations : C.P.I. Communist Party of India; Con.—Congress; P.Z.L.—Punjab Zamindara League; Ind.—Independent; P.S.—Praja Socialist Party; F.B.M.—Forward Bloc (Marxist); ST—Scheduled Tribes; SC—Scheduled Caste.

UTTAR PRADESH LEGISLATIVE COUNCIL*

(An estimate of party strength is as follows : Congress 54, Independents 15, Socialists 2)

Chairman : Chandra Bhal.

Dy. Chairman : Nizam Uddin.

Secretary : K. B. Saksena

Elected by Legislative Assembly

Badri Prasad Kacker; Balak Ram Vaish; Bashir Ahmad; Chandra Bhal; Kunwar Guru Narain; Kedar Nath Khetari; Khushal Singh; Krishna Chandra Joshi; Lalita Prasad Soukar; Kunwar Mahabir Singh; Pratap Chandra Azad; Puran Chand Vidyalkar; Ram Narain Pande; Ram Nandan Singh; Ram Lagan Singh; Ruknuddin Khan; Satyapremi alias Hari Prasad; Srimati Shanti Devi Agarwal; Shrimati Shanti Devi; Rana Shiv Amber Singh; M. J. Mukerjee; Srimati Sheoraj Vati Nehru; Shyam Sunder Lal; Vishwa Nath

U.P. West Graduates

Brijendra Swarup; Ishwari Prasad; Beni Prasad Tandon.

U.P. East Graduates

Shiva Prasad Sinha; Govind Sahai; Nirmal Chandra Chaturvedi.

U.P. West Teachers

Piara Lal Srivastava; Kanhaya Lal Gupta; Shanti Swarup Agarwala

U.P. East Teachers

Shiva Kumar Lal Srivastava; Hridaya Narain Singh; Balbhadra Prasad Vajpai.

North-West Local Authorities

Jyoti Prasad Gupta; Telu Ram; Deep Chandra; Mahmood Aslam Khan.

North-East Local Authorities

Indra Singh Nayal; Shiv Sumaran Lal Johri; Babu Abdul Majid; Ram Lakhani

West Local Authorities

Prem Chandra Sharma, (Hakim) Brij Lal Varman; Abdul Shakoor Najmi; Jagdish Chandra Verma.

Central Local Authorities

Jamilur Rahman Kidwai; Lal Suresh Singh; Ram Kishore Rastogi; Bansidhar Shukla.

South Local Authorities

Lallu Ram Dwivadi; Prasad Narain Anand; Panna Lal Gupta; Narottam Das Tandon.

East Local Authorities

Jagannath Acharya; Parmatma Nand Singh; Nizamuddin; Prabhu Narain Singh.

Nominated

Ambika Prasad Bajpai; Sabhapati Upadhyaya; Har Govind Mishra; Maulana Mohamad Nasir; Hayatullah Ansari; Dr. Bir Bhan Bhunia; Rai Uma Nath Baid; Maharaj Kumar Dr. Vijay of Vizianagram; Srimati Tara Agarwal; Srimati Mahadevi Verma; Rai Bajrang Bahadur Singh of Bhadri; Sardar Santokh Singh.

UTTAR PRADESH ASSEMBLY GENERAL ELECTIONS

Population : 63,215,742 (1951 final).

Electorate : 31,763,828.

Constituencies : 347 (284 SM, 83 DM). Seats : 430 (SC 83)

Parties	Candidates			Uncontested Gains		Contested Wins		Elected		Valid Votes Polled	Forfeited Deposit
	Set up	Total	SC	Total	SC	Total	SC	Total	SC		
1. Congress	429	429	83	—	—	390	82	390	82	8,023,385	1
2. Socialist	351	351	55	—	—	19	—	19	—	2,018,861	235
3. Klean Mazdoor Praja Party	264	265	47	—	—	1	—	1	—	952,776	230
4. Jan Sangh	209	209	29	—	—	2	—	2	—	1,078,216	150
5. Communist Party of India	43	43	6	—	—	—	—	—	—	155,869	39
6. Scheduled Castes Federation	32	32	27	—	—	—	—	—	—	258,590	19
7. Hindu Mahasabha	62	62	7	—	—	1	—	1	—	236,734	52
8. Ram Baiya Parishad	95	95	5	—	—	—	—	—	—	290,524	81
9. Revolutionary Socialist Party	25	25	4	—	—	—	—	—	—	60,823	24
10. Forward Bloc (R)	1	1	—	—	—	—	—	—	—	505	1
11. Bolshevik Party	2	2	—	—	—	—	—	—	—	1,258	2
12. Revolutionary Communist	1	1	—	—	—	—	—	—	—	289	1
13. U.P. Revolutionary Socialist	27	27	4	—	—	1	—	1	—	79,748	24
14. U.P. Praja Party	68	68	9	—	—	2	—	2	—	313,787	38
15. Independents	989	375	55	—	—	14	1	14	1	3,319,774	866
Total	2,588	—	—	—	—	430	83	430	83	16,701,139	1,763

* About a third of the members were due to retire in April 1954. But the names had not reached us when the book went to press.

Congress seceders and the Socialists did not do well, while Independents did not fare any better.

The parties wedded to the extreme Right—the Jan Sangh, the Hindu Mahasabha, the Ram Rajya Parishad and the U.P. Rajya Party (zamindars)—also were trounced and the Communists and the K.M.P.P. completely routed.

The defeat of Acharya Narendra Dev, the Socialist leader, and Mr. Triloki Singh of the Opposition in the former Assembly, was the biggest surprise of the elections.

The Congress, which contested 429 seats for the 430-member State Legislative Assembly (the nomination paper of its candidate for the remaining one seat having been rejected), got 49 per cent. of the votes polled.

Of the 39 seats conceded by the Congress, 19 went to the Socialists, who secured 11.71 per cent. of the votes cast; two went to the Jan Sangh, which secured 6.6 per cent.; one went to the K.M.P.P., which secured five per cent.; one to the Hindu Mahasabha, which secured 1.2 per cent.; two to the U.P. Praja Party (the State Party of zamindars), which got 2.1 per

cent.; one to the U.P. Revolutionary Socialist Party which polled less than one per cent.; and 14 seats to Independent candidates who secured 19.6 per cent. of the total votes cast.

Among the Independents were 282 dissident Congressmen, who sought election in defiance of their Party's mandate, but none of them could secure the verdict of the electorate in his favour.

The Communists, the Revolutionary Socialist Party (official group), the Bolsheviks, the Forward Bloc (Rukar Group), the Scheduled Castes Federation and the Ram Rajya Parishad did not get a single seat, though, among themselves, they polled five per cent. of the votes cast.

Although handicapped by the absence of their leader, Acharya Narendra Dev, and their sitting M.L.A., Raja Ram Shastri, both of whom lost after a tough fight the Socialists formed the main opposition in the Assembly. They had the satisfaction of having defeated the State I.N.T.U.C. chief, Mr. K. N. Pande, who was the only prominent Congressman to lose.

Uttar Pradesh was probably the only State which returned all the Ministers, Parliamentary

Secretaries and other prominent Congress leaders with a large majority.

The Himalayan districts did not vote solidly with the Congress. Of the 16 seats which these districts have, three went to Independents and two to the Socialists. Economically, these districts are some of the poorest and, socially, among the most backward. All the three seats in the Tehri Garhwal District went to Independents.

All the Muslim candidates set up by the Congress were returned to the Assembly, including two women candidates. None of the Muslims set up by Opposition parties, except Mr. Nihaluddin (Socialist), sitting M.L.A., and Raja Saadaat Ali Khan of Nanpara (Independent) succeeded.

Only 37 women entered the contest, though they form 47 per cent. of the electorate. Eleven of them all Congress nominees, including one from a reserved seat, got elected.

An appreciable portion of the total election expenses in Uttar Pradesh was expected to be realised from the deposits forfeited, amounting roughly to over Rs. 3,50,000.

UTTAR PRADESH LEGISLATIVE ASSEMBLY

Speaker : A. G. Kher. *Dy. Speaker* : Har Govind Pant. *Secretary* : K. C. Bhatnagar. *Asstt. Secy.* : R. R. Saksena. *Officer on Spl. Duty* : Ram Prakash.

Deokl Nandan Vishav (Con.), (Agra); Baboo Lal Mittal (Con.), (Agra City (North)); C. V. Mahajan (Con.), (Agra City (West)); Ram Narain Tripathi (P.S.P.), (Akbarpur (East)); Ram Dularey Misra (Con.), (Akbarpur (South)); Jal Ram Varma (Con.), (Akbarpur (West)); Ram Dass (SC), (Con.), (Akbarpur (West) (R)); Mohan Singh Shakya (Ind.), (Aliganj (South)); Kalyan Chand Mohile alias Chhunnan Guru, (P.S.P.), (Allahabad City (Central)); Ganesh Prasad Jain wal (Con.), (Allahabad City (East)); Bhupal Singh Khatri (Con.), (Almora (North)); Gobardhan Tiwari (Con.), (Almora (South)); Rananjay Singh (Ind.), (Amethi (Central)); Khiali Ram (Con.), (Amroha (East)); Mohd. Taqi Hadi (Con.), (Amroha (West)); Dean Dayal Sharma (Con.), (Anupshahr (North)); Nethoo Singh (Con.), (Aonla (East-cum-Faridpur)); Sunder Lal (SC), (Con.), (Aonla (East-cum-Faridpur) (R)); Nawal Kishore (Con.), (Aonla (West)); Shri Niwas (Con.), (Atrauli (North)); Raja Ram (Con.), (Atrauli (South-cum-Koil (East)); Satya Narain (Con.), (Auroiya-cum-Bharthana (South)); Tula Ram (SC), (Con.), (Auroiya-cum-Bharthana (South) (R)); Ram Sanehi Bhartiya (Con.), (Baher (West)); Harkhayal Singh (Con.), (Baghat (East)); Baghubir Singh (Con.), (Baghat (South)); Charan Singh (Con.), (Baghat (West)); Shambhu Nath Chaturvedi (Con.), (Bah); Ram Murti (Con.), (Baheri (North East)); Dharan Dutt Vaidya (Con.), (Baheri (South West) cum-Bareilly (West)); Sheo Saran Lal Shrivastava (Con.), (Bahraich (East)); Raj Kishore Rao (SC), (Con.), (Bahraich (East) (R)); Triloki Nath Kaul (Con.), (Bahraich (West)); Jamna Prasad (SC), (Con.), (Bahraich (West) (R)); Ram Anant Pandey (Con.), (Ballia (Central)); Radha Mohan Singh (Con.), (Ballia (East)); Jagannath Singh (Con.), (Ballia (North East-cum-Banadith (South West)); Baldeva Singh (Con.), (Banaras (Central)); Lal Bahadur Singh (Con.), (Banaras (North)); Raj Narain (P.S.P.), (Banaras (South)); Deo Murti Sharma (Con.), (Banaras (West)); Sheikh Mohd. Abdul Samad (Con.), (Banaras City (North)); Sampurnanand (Con.), (Banaras City (South)); Palharan Singh (Con.), (Banda); Baljnath Prasad Singh (Ind.), (Bansdith (Central)); Sheomangal Singh (Con.), (Bansdith (West)); Keshbhan Rai (Con.), (Bansgaon (Central)); Bhagwati Prasad Dubey (Con.), (Bansgaon (East-cum-Gorakhpur (South)); Bhriagnath Chaturvedi (Con.), (Bansgaon (South-East)); Ganesh Prasad Pande (Con.), (Bansgaon (South-West)); Shrimati Jasoda Devi (SC), (Con.), (Bansgaon (South-

West (R)); Mathura Prasad Pandey (Con.), (Bansi (North)); Puddan Ram (SC), (Con.), (Bansi (North) (R)); Ram Kumar Shastri (Con.), (Bansi (South)); Shrimati Safia Abdul Wajid (Con.), (Bareilly (East)); Pandit Govind Ballabh Pant (Con.), (Bareilly Municipality); Ram Charan Lal Gangwar (Con.), (Bareilly (West)); Ansuman Singh (Con.), (Basti (East)); Prabhu Dayal (Con.), (Basti (West)); Ram Lal (SC), (Con.), (Basti (West) (R)); Ram Swarup Gupta (Con.), (Bhognipur (West-cum-Derapur (South)); Gajendra Singh (P.S.P.), (Bidhuna (East)); Mahabharan Singh (Con.), (Bidhuna (West-cum-Bharthana (North-cum-Etawah (North)); Ghasi Ram Jatav (SC), (Con.), (Bidhuna (West-cum-Bharthana (North-cum-Etawah (North) (R)); Shrimati Chandrawati (Con.), (Bijnor (Central)); Mohd. Abdul Lateef (Con.), (Bijnor (North) Najibabad (West)); S. K. Sharma (Con.), (Bijnor (South-cum-Dhampur (South-West)); Brij Bas Lal (Con.), (Bikapur (Central)); Avadhesh Pratap Singh (U.F.), (Bikapur (East)); Ram Harsh Yadav (Con.), (Bikapur (West)); Har Sahai Gupta (Con.), (Bilari); Mahi Lal (SC), (Con.), (Bilari (R)); Radha Krishna Agarwal (Con.), (Bilgram (East)); Virendra Nath Misra (Con.), (Bilgram (West)); Shrimati Brij Rani Misra (Con.), (Bilgram-cum-Akbarpur); Murlil Dhar Kuril (SC), (Con.), (Bilgram-cum-Akbarpur (R)); Hari Prasad (P.S.P.), (Bisalpur (Central)); Sheo Raj Singh Yadav (Con.), (Bisauli-cum-Gunnaur (East)); Chunnil Lal Sagar (SC), (Con.), (Bisauli-cum-Gunnaur (East) (R)); Suresh Prakash Singh (U.F.), (Biswan-cum-Sidauli (East)); Munnu Lal (SC), (Con.), (Biswan-cum-Sidauli (East) (R)); Sri Niwas Pandit (Ind.), (Budaun (North)); Tulsi Ram (Con.), (Budaun (South-West)); Mohammad Nabi (Con.), (Budaun (East-cum-Jansath (South)); Ram Das Arya (SC), (Con.), (Budhanta (East-cum-Jansath (South) (R)); Shri Chand (Con.), (Budhanta (West)); Banarsi Dass (Con.), (Bulandshahr (Central)); Mohan Singh (Ind.), (Bulandshahr (North-East)); Irtiza Hussain (Con.), (Bulandshahr (North-West)); Deo Datta Sharma (Con.), (Bulandshahr (South-cum-Anupshahr (South)); Dharam Singh (SC), (Con.), (Bulandshahr (South-cum-Anupshahr (South) (R)); Muzaffar Hasan (Con.), (Chail (North)); Kamalapati Tripathi (Con.), (Chakra-cum-Chandauli (South-East)); Ram Lakhan (SC), (Con.), (Chakra-cum-Chandauli (South-East) (R)); Shanti Prapann Sharma (Con.), (Chakrata-cum-Western Doon (North)); Gangadhar (P.S.P.), (Chameli (West-cum-Pauri-

(North)); Kamta Prasad Vidyarthi (Con.), (Chandauli (North)); Uma Shankar Tewari (Con.), (Chandauli (South-West-cum-Ramnagar)); Ram Hetsingh (Con.), (Chhata); Awdhesh Chandra Singh (Con.), (Chibramau (East-cum-Farrukhabad (East)); Pati Ram (SC), (Con.), (Chibramau (East-cum-Farrukhabad (East) (R)); Chiranjil Lal Paliwal (Con.), (Chibramau (South-cum-Kanauj (South)); Raj Kuroar Sharma (Con.), (Chunar (North)); Raj Narain Singh (Con.), (Chunar (South)); Udal Bhuu Singh (Con.), (Dalmau (East)); Gupat Singh (Con.), (Dalmau (South-West)); Onkar Singh (U.F.) (Dataganj (North)); Narottam Singh (Con.), (Dataganj (South-cum-Budam (South East)); Phool Singh (Con.), (Deoband); Hardeva Singh (SC), (Con.), (Deoband (R)); Satya Singh Rana (U.F.), (Deoprayag); Muhammad Farooq Chisti (Con.), (Deoria (North East)); Rameshwar Lal (Deoria (South)); Ram Ji Sahai (Con.), (Deoria (South-West-cum-Hata (South-West)); Sita Ram (SC), (Con.), (Deoria (South-West-cum-Hata (South-West) (R)); Shiv Ram Pandey (Con.), (Derapur (North)); Khub Singh (Con.), (Dampur (North-East-cum-Nagina (East)); Girdhari Lal (SC), (Con.), (Dampur (North-East-cum-Nagina (East) (R)); Mohd. Suleman Adhami (Con.), (Domariaganj (North East-cum-Bansi (West)); Ram Lakhan Misra (Con.), (Domariaganj (North-West)); Mohd. Adil Abbas (Con.), (Domariaganj (South)); Sheo Mangal Singh Kapoor (Con.), (Domariaganj (West)); Brij Bhushan Misra (Con.), (Dudhi-cum-Roberganj); Ram Swarup (SC), (Con.), (Dudhi-cum-Roberganj (R)); Shrimati Vidyawati Rathor (Con.), (Etah (East-cum-Atiganj (West-cum-Kasga (South)); Hoti Lal Dass (Con.), (Etah (South)); Gopi Nath Dikshit (Con.), (Etawah (South)); Ulfat Singh Chauhan (Con.), (Etamadpur-cum-Agra (East)); Putu Lal (SC), (Con.), (Etamadpur-cum-Agra (East) (R)); Madan Gopal Vaidya (Con.), (Fatehabad (East)); Narain Das (SC), (Con.), (Fatehabad (East) (R)); Raja Ram Misra (Con.), (Fatehabad (West)); Sia Ram Gangwar (Con.), (Farrukhabad (Central-cum-Karimganj (East)); Mathura Prasad Tripathi (Con.), (Farrukhabad (West-cum-Chibramau); Abdul Rauf Khan (Con.), (Fatehpur (East-cum-Khaga (North)); Avadh Saran Varma alias Lalaji (P.S.P.), (Fatehpur (North)); Bhagwati Prasad Shukla (Con.), (Fatehpur (South)); Anant Swarup Singh (Con.), (Fatehpur (South-cum-Khaga (South)); Bhagwan Din Balmiki (SC), (Fatehpur (South-cum-Khaga (South) (R)); Israrul Haq (Con.), (Fatehabad-cum-Fatehabad);

* Has resigned from Congress.

Ganga Dhan Jatav (SC), (Con.), (Ferozabad-cum-Fatehabad (R)); Ram Bahai Sharma (Con.), (Garoh-cum-Moth (North)); Brij Behari Mehrotra (Con.), (Ghatampur-cum-Bhogulpur (East)); Dayal Das Bhagat (SC), (Con.), (Ghatampur-cum-Bhogulpur (East) (R)); Vichitra Naraina Sharma (Con.), (Ghaziabad (North East)); Teja Singh (Con.), (Ghaziabad (North West)); Balbir Singh (Con.), (Ghaziabad (South)); Yamuna Singh (Con.), (Ghaspur (Central) cum-Mohammadabad (North-West)); vacant (Ghazipur (South-East)); Bhola Singh Yadav (P.S.P.), (Ghaziipur (South-West)); Bishwanath Singh Gautam (Con.), (Ghaziipur (West)); Ram Sunder Pandu (P.S.P.), (Ghosi (East)); Jharkhande Rai (U.P.R.S.P.), (Ghosi (West)); Shrinati Sajjan Devi Mahnot (Con.), (Gonda (East)); Jwalaprasad Sinha (U.F.), (Gonda (West)); Istafa Hussain (Con.), (Gorakhpur (Central)); Keshav Pandey (Con.), (Gorakhpur (North East)); Mahadev Prasad (SC), (Con.), (Gorakhpur (North-East) (R)); Achhaiber Singh, (Con.), (Gorakhpur (South-East)); Devendra Pratap Narain Singh (Con.), (Gorakhpur (West)); Karan Singh Yadav (Con.), (Gunnaur (North)); Bechan Ram Gupta (Con.), (Gyanpur (East)); Bans Narain Singh (Con.), (Gyanpur (North)); West); Bechan Ram (SC), (Con.), (Gyanpur (North-West) (R)); Surendra Dutt Bajpai (Con.), (Hamirpur-cum-Maudaha (North)); Mahabir Prasad Shukla (Con.), (Haudia (South)); Shrinati Prakashvati Sud (Con.), (Hapur (North)); Hari Singh (SC), (Con.), (Hapur (North) (R)); Lutf Ali Khan (Con.), (Hapur (South)); Vir Sen (SC), (Con.), (Hapur (South) (R)); Chandra Has (Con.), (Hardoi (East)); Kinder Lal (SC), (Con.), (Hardoi (East) (R)); Kripa Shankar (Con.), (Harraya (East) cum-Basti (West)); Shoo Narain (SC), (Con.), (Harraya (East) cum-Basti (West) (R)); Prabhakar Shukla (Con.), (Harraya (North-West)); Sita Ram Shukla (Con.), (Harraya (South-West)); Latafat Hussain (Con.), (Hassanpur (North)); Jagdish Prasad (Con.), (Hassanpur (South) cum-Sambal (West)); Surya Bali Pandey (Con.), (Hata (Central)); Shoo Prasad (SC), (Con.), (Hata (Central) (R)); Mahabir Singh (Con.), (Hata-North); Nand Kumar Deo Vashist (Con.), (Hathras); Hari Dayal Singh Pipal (SC), (Con.), (Hathras (R)); Kalyan Rai (Con.), (Hazur-cum-Malak (North)); Sheodan Singh (Con.), (Iglas); Ram Ghulam Singh (Con.), (Jalalabad (West)); Sahdeo Singh (Con.), (Jalesar-cum-Etah (North)); Chiranjil Lal Jatav (SC), (Con.), (Jalesar-cum-Etah (North) (R)); Vishnu Dayal Verma (Ind.), (Jasrana); Har Govind Singh (Con.), (Jaunpur (East)); Deep Narain Verma (Con.), (Jaunpur (West)); Bhugavati Deen Tiwari (Con.), (Jaunpur (North) cum-Shahganj (West)); Atmaram Govind Kher (Con.), (Jhansi (East)); Kashi Prasad Pandey (Con.), (Kadipur); Shanker Lal (SC), (Con.), (Kadipur (R)); Sultan Alam Khan (Con.), (Kamganj (West)); Keshav Gupta (Con.), (Kairana (North)); Virendra Varma (Con.), (Kairana (South)); Sia Ram Chaudhri (Con.), (Kaisarganj (Central)); vacant (Kaisarganj (North)); Hukam Singh (Con.), (Kaisarganj (South)); Virendra Shah (U.F.), (Kalpi-cum-Jalun-North); Basant Lal (SC), (Con.), (Kalpi-cum-Jalun (North) (R)); Kall Charan Tandon (Con.), (Kannauj (North)); Hamid Khan (Con.), (Kanpur City (Central East)); Basudeo Prasad Misra alias Misraji (Con.), (Kanpur City (Central West)); Jawahar Lal Rohatgi (Con.), (Kanpur City (East)); Surya Prasad Awasthi (Con.), (Kanpur City (North)); Brahma Dutt Dixit (Con.), (Kanpur City (South)); Beni Singh (Con.), (Kanpur Tehsil); H. N. Bahuguna (Con.), (Karchhana (North-cum-Chail (South)); Jawahar Lal (SC), (Con.), (Karchhana (North-cum-Chail (South)); Shoo Bux Singh Rathor (Con.), (Karkhal (East) cum-Bhogau (South)); Mizaji Lal (SC), (Con.), (Karkhal (East) cum-Bhogau (South) (R)); Banahi Dass Dhangar (P.S.P.), (Karkhal (West) cum-Shikohabad (East)); Shrinati Said Jahan B. Mukhi (Con.), (Kasganj (East) cum-Aliganj (North)); Tirmalsingh (Con.), (Kasganj (North)); Babu Ram Gupta (Con.), (Kasganj (West)); Jagan Prasad Rawat (Con.), (Keragarh); Lal Bahadur Singh (Con.), (Kerakal-cum-Jaunpur (South)); Parmarsi Ram (SC), (Con.), (Kerakal-cum-Jaunpur (South) (R)); Mohan Lal Gautam (Con.), (Khat-cum-Koi (North-West)); Ram Prasad Deshmukh (SC), (Con.), (Khat-cum-Koi (North West) (R)); Shivaraj Ball Singh (Con.), (Khajhuha (East) cum-Fatepur (South West)); Gur Prasad Pandey (Con.), (Khajhuha (West)); Abdul Motiz Khan (Con.), (Khatulabad (Central)); Raja Ram Sharma (Con.), (Khatulabad (North)); Dhanush Dhari Pandey (Con.), (Khatulabad (South)); Ram Sunder Ram (SC), (Con.), (Khatulabad (South) (R)); Kishan Swarup Bhatnagar (Con.), (Khurja); Bheem Sen (SC), (Con.), (Khurja (R)); Ramesh Verma (Con.), (Kiraoli); Malkhan Singh (P.S.P.), (Koil (Central)); Chittar Singh Niranjau (Con.), (Konch); Ram Nareish Shukla (Con.), (Kunda (South)); Ram Sarup (SC), (Con.), (Kunda (South) (R)); Banahi Dhar Misra (Con.), (Lakhimpur (South)); Chheda Lal Choudhry (SC), (Con.), (Lakhimpur (South) (R)); Tej Bahadur (Comm.), (Lalganj (North)); Kalka Singh (Con.), (Lalganj (South)); Krishna Chandra Sharma (Con.), (Lalitpur (South)); Ram Prasad Nautiyal (Con.), (Lansdowne (East)); Jagmohan Singh Negi (Con.), (Lansdowne (West)); Harish Chandra Bajpai (Con.), (Lucknow (Central)); Ram Shanker Ravivasi (SC), (Con.), (Lucknow (Central) (R)); Syed Ali Zaher (Con.), (Lucknow City (Central)); Chandra Bhanu Gupta (Con.), (Lucknow City (East)); Pulin Behari Bannerji (Con.), (Lucknow City (West)); Nagesar Diwedi (Con.), (Machhlishahr (North)); Mohammad Rauf Jafri (Con.), (Machhlishahr (South)); Paripurna Nand Verma (Con.), (Maharajan (North)); Ram Prasad Singh (Con.), (Maharajan (South)); Sukhdeo Prasad (SC), (Con.), (Maharajan (South) (R)); Manil Lal Gurdeo (Con.), (Mahoba-cum-Kulphar-cum-Charkhari); Jurawat Verma (SC), (Ind.), (Mahoba-cum-Kulphar-cum-Charkhari) (R); Wasi Naqvi (Con.), (Maharajan (East) cum-Salon (North)); Ram Swarup Misra (Con.), (Maharajan (West)); Rameshwar Prasad (SC), (Con.), (Maharajan (West) (R)); Rama Nath Khuria (Con.), (Maharajan); Ganesh Chandra Kachhi (Con.), (Mainpuri (North-cum-Bhogau (North)); Virendra Pati (Con.), (Mainpuri (South)); Shyam Manohar Misra (Con.), (Malhabad-cum-Bara Banki (North-West)); Tula Ram Rawat (SC), (Con.), (Malhabad-cum-Bara Banki (North-West) (R)); Dwarka Prasad Manirya (Con.), (Mariahu (North)); Ramesh Chandra (Con.), (Mariahu (South)); Laxmi Raman Acharya (Con.), (Mat-cum-Sasabad (West) (R)); Sri Nath Ram (Con.), (Mathura (North)); Jugul Kishore (Con.), (Mathura (South)); Jagpat Singh (Con.), (Mau-cum-Karwi-cum-Ruberu (East)); Darshan Ram (SC), (Con.), (Mau-cum-Karwi-cum-Ruberu (East) (R)); Lakshman Rao Kadam (Con.), (Mau-cum-Moth (South) cum-Jhansi (West) cum-Lalitpur (North)); Gajoo Ram (SC), (Con.), (Mau-cum-Moth (South) cum-Jhansi (West) cum-Lalitpur (North) (R)); Tej Pratap Singh (Ind.), (Maudah (South)); Vishnu Saran Dubilish (Con.), (Mawana); Ramjilal Sahayak (SC), (Con.), (Mawana (R)); Kailash Prakash (Con.), (Meerut Municipality); Mangla Prasad (Con.), (Meerut-cum-Karchhana (South)); Raghunath Prasad (SC), (Con.), (Meerut-cum-Karchhana (South) (R)); Krishan Saran Arya (Con.), (Milak (South) cum-Shahabad); Amareish Chandra Pandey (Con.), (Mirzapur (North)); Aji Inam (Con.), (Mirzapur (South)); Ram Kishun Jaiswar (SC), (Con.), (Mirzapur (South) (R)); Gangadhar Sharma (Con.), (Miratik); Dalia Ram (SC), (Con.), (Miratik (R)); Kamal Ahmad Rizvi (Con.), (Mohamdi (East)); Ram Bhajan (Con.), (Mohamdi (West)); Padam Nath Singh (Con.), (Mohammadabad Gohna (South)); Habibur Rahman Azmi (Con.), (Mohammadabad (North) cum-Ghosi (South)); Shrinati Ram (SC), (Con.), (Mohammadabad (North) cum-Ghosi (South) (R)); Shivpujan Rai (P.S.P.), (Mohammadabad (North-East)); Bijai Shanker Prasad (Con.), (Mohammadabad (South)); Mahabir Pershad Srivastava (Con.), (Mohamalganj); Dau Dayal Khanna (Con.), (Moradabad (North)); Kedar Nath (Con.), (Moradabad (South)); Smt. Savitri Devi (Con.), (Musafirkhana (Central)); Nazim Ali (Con.), (Musafirkhana (North) cum-Sultanpur (North)); Gulzar (SC), (Con.), (Musafirkhana (North) cum-Sultanpur (North) (R)); Gur Prasad Singh (Con.), (Musafirkhana (South) cum-Amethi (West)); Dwarka Prasad Mithal (Con.), (Musafirkhanagar (Central)); Balwant Singh (Con.), (Musafirkhanagar (East) cum-Jansath (North)); Rajendra Datta (Con.), (Muzaffarnagar (West)); Hafiz Mohammad Ibrahim (Con.), (Nagana (South-West) cum-Dhampur (North-West)); Narayan Dutt (P.S.P.), (Naini Tal (North)); Lakshman Datt Bhatt (Con.), (Naini Tal (South)); Ratan Lal Jain (Con.), (Najibabad (North) cum-Nagina (North)); Data Ram (Con.), (Nakur (South)); Birendra Bikram Singh (U.F.), (Nanpara (East)); Basant Lal Sharina (Con.), (Nanpara (North)); Md. Saadat Ali Khan (Ind.), (Nanpara (South)); Shiyama Charan Bajpai (Con.), (Naraini); Naurang Lal (Con.), (Nawabganj); Jagat Narain (Con.), (Nawabganj (North)); Uma Shankar Misra (Con.), (Nawabganj (South) cum-Haidergarh-cum-Ramsanehighat); Ghanasham Das (SC), (Con.), (Nawabganj (South) cum-Haidergarh-cum-Ramsanehighat (R)); Karan Singh (P.S.P.), (Nighasan-cum-Lakhimpur (North)); Jagannath Prasad (SC), (Con.), (Nighasan-cum-Lakhimpur (North) (R)); Chaturbhuji Sharma (Con.), (Orai-cum-Jalaun (South)); Genda Singh (P.S.P.), (Padrauna (East)); Jagan Nath Mal (P.S.P.), (Padrauna (North)); Raj Bansal Rai (P.S.P.), (Padrauna (South-West) cum-Deoria (South-East)); Ram Subhag Verma (P.S.P.), (Padrauna (West)); Ram Raj Shukla (Con.), (Patti (East)); Girja Raman Shukla (Con.), (Patti (South)); Chandra Singh Rawat (Con.), (Pauri (South) cum-Chamoli (East)); Baldeo Singh Arya (SC), (Con.), (Pauri (South) cum-Chamoli (East) (R)); Prem Kishen Khanna (Con.), (Pawangan-cum-Shahjahanpur); Narain Din (SC), (Con.), (Pawangan-cum-Shahjahanpur (R)); Gauri Ram (Con.), (Pharenda (Central)); Rana Avadh Singh (Con.), (Pharenda (North)); Dwarka Prasad Pande (Con.), (Pharenda (South)); Shivanath Katju (Con.), (Phulpur (Central)); Bhujwari (Con.), (Phulpur (East) cum-Handia (North-West)); Brij Behari Misra (Con.), (Phulpur (North)); Ram Bachan Yadav (Con.), (Phulpur (South)); Shrinati Asha Lata Vyus (SC), (Con.), (Phulpur (South) (R)); Niranjan Singh (Con.), (Pilibhit (East) cum-Bisalpur (West)); Maqsood Alam Khan (Con.), (Pilibhit (West)); Nareendra Singh Bist (Con.), (Pithorgarh-cum-Champawat); Khushi Ram (SC), (Con.), (Pithorgarh-cum-Champawat (R)); Bhagwati Prasad Shukla (Con.), (Pratapgarh (East)); Ram Adhar Tiwari (Con.), (Pratapgarh (North-West) cum-Patti (North-West)); Ram Kinkar (SC), (Con.), (Pratapgarh (North-West) cum-Patti (North-West) (R)); Raja Ram Kisan (Con.), (Pratapgarh (West) cum-Kunda (North)); Munindra Pal Singh (P.S.P.), (Purampur-cum-Bisalpur (East)); Ram Adhin Singh Yadav (Con.), (Purwa (Central)); Jata Shanker Shukla (Con.), (Purwa (North) cum-Hasanganj); Sewa Ram (SC), (Con.), (Purwa (North) cum-Hasanganj (R)); Deo Dutta Misra (Con.), (Purwa (South)); Ram Shanker Diwedi (Con.), (Rae Bareilly-cum-Dalmau (North)); Ram Prasad (SC), (Con.), (Rae Bareilly-cum-Dalmau (North) (R)); Fazalul Haq (Con.), (Rampur City); Jagannath Bux Dass (Con.), (Ramsanehighat); Babu Lal Kusumesh (SC), (Con.), (Ramsanehighat (R)); Madan Mohan Tiwari (P.S.P.), (Ramkhet (South)); Har Govind Pant (Con.), (Ramkhet (South)); Mandhata Singh (Con.), (Rasra (East) cum-Ballia (South-West)); Ram Ratan Prasad (SC), (Con.), (Rasra (East) cum-Ballia (South-West) (R)); Ganga Prasad Singh (Con.), (Rasra (West)); Sripati Sahai (Con.), (Rath); Jayendra Singh Bist (U.F.), (Rawan-cum-Tehri (North)); Din Dayal Shastri (Con.), (Roorkee (East)); Akhar Hussain Khwaja (Con.), (Roorkee (South)); Shugan Chand (Con.), (Roorkee (West) cum-Saharanpur (North)); Jal Pal Singh (SC), (Con.), (Roorkee (West) cum-Saharanpur (North) (R)); Ashraf Ali Khan (Con.), (Sadabad (East)); Shiv Ram Rai (Con.), (Sadar Azamgarh (North)); Surju Ram (SC), (Con.), (Sadar Azamgarh (North) (R)); Habibur Rehman Anari (Con.), (Safipur-cum-Unnao (North)); Mohan Lal (SC), (Con.), (Safipur-cum-Unnao (North) (R)); Biseram Rai (P.S.P.), (Sagri (East)); Uma Shankar (P.S.P.), (Sagri (West)); Mohd. Munzoorul Nabi (Con.), (Saharanpur City); Mahnuud Ali Khan (Con.), (Saharanpur (North-West) cum-Nakur (North)); Keshav Ram (Con.), (Sahaswan (East)); Mushatq Ali Khan (Con.), (Sahaswan (West)); Kamla Singh (Ind.), (Saidpur); Dev Ram (SC), (Con.), (Saidpur (R)); Sachhida Nand Nath Tripathi (Con.), (Saimpur (East)); Sivabachan

Rao (Con.), (Salimpur (North)); Badri Narain Misra (Con.), (Salimpur (South)); Deo Nandan Shukla (Con.), (Salimpur (West)); Dal Bahadur Singh (Con.), (Salon (South)); Jagdish Saran Rastogi (Con.), (Sambhal (East)); Lekhray Singh (SC), (Con.), (Sambhal (East) (R)); Shrimati Laxmi Devi (Con.), (Sandila-cum-Bilgram (South-East)); Tika Ram (SC), (Con.), (Sandila-cum-Bilgram (South-East) (R)); Bishambhar Singh (Con.), (Sardhana (East)); Pateh Singh Rana (Con.), (Sardhana (West)); Chedda Lal (Con.), (Shahabad (East)-cum-Hardoi (North-West)); Kunhaiya Lal Balmiki (SC), (Con.), (Shahabad (East)-cum-Hardoi (North-West) (R)); Aijaz Rasool (Con.), (Shahabad (West)); Lakshmi Shankar Yadav (Con.), (Shahganj (East)); Babunandan (SC), (Con.), (Shahganj (East) (R)); Habibur Rahman Khan Hakim (Con.), (Shah-jahanpur (Central)); Pratipal Singh (Con.), (Shah-jahanpur (West)-cum-Jalalabad (East)); Maharaj Singh (Con.), (Shikohabad (West)); Hanuman

Prasad Misra (P.S.P.), (Sidhauli (West)); Kanhaiyalal (P.S.P.), (Sidhauli (West) (R)); Kewal Singh (Con.), (Sikandrabad (East)); Ram Chandra Vikal (Con.), (Sikandrabad (West)); Netra Pal Singh (Con.), (Sikandra Rao (North)-cum-Koil (South-East)); Nek Ram Sharma (Con.), (Sikandra Rao (South)); vacant (Sirathu-cum-Manjhanpur); Sukhlal Ram Bhartiya (SC), (Con.), (Sirathu-cum-Manjhanpur (R)); Bashir Ahmad Hakim (Con.), (Sitapur (East)); Harish Chandra Asthana (Con.), (Sitapur (North-West)); Krishna Chandra Gupta (Con.), (Sitapur (South-East)); Sangram Singh (Con.), (Soran (North)-cum-Phulpur (West)); Paramanand Sinha (Con.), (Soran (South)); Ram Balli Misra (Con.), (Sultanpur (East)-cum-Amethi (East)); Kunwar Krishna Verma (Con.), (Sultanpur (West)); Mahmood Ali Khan (Con.), (Swar-cum-Tanda-cum-Bilaspar); Mohammad Nasir (Con.), (Tanda); Ram Sumer (SC), (Con.), (Tanda (R)); Chandrabhan Saran Singh (Con.), (Tarab-ganj (South-East)-cum-Gonda (South)); Ganga

Prasad (SC), (Con.), (Tarabganj (South-East)-cum-Gonda (South) (R)); Maharaj Kumar Balendu Shah (U.F.), (Tehri (South)-cum-Parasnagar); Shiv Swarup Singh (Con.), (Thakurdwar); Shoo Kumar Mishra (Con.), (Tuhar (North)); Bhagwan Sahai (Con.), (Tuhar (South)); Raghuraj Singh (Con.), (Trabganj (West)); Lila Dhar Asthana (Con.), (Unnao (South)); S. M. Shahid Fakhri (Con.), (Utraula (Central)); Balbhadra Prasad Shukla (Con.), (Utraula (North)); Shiam Lal (SC), (Con.), (Utraula (North) (R)); Umed Singh (U.F.), (Utraula (North-East)); Amrit Nath Misra (Con.), (Utraula (South)); Raja Raghavendra Pratap Singh (Con.), (Utraula (South-West)); Nardeo Shastri (Con.), (Western Doon-South-cum-Eastern Doon).

Abbreviations : Con.—Congress; P.S.P.—Praja Socialist Party; Ind.—Independent; U.F.—United Front, SC—Scheduled Castes; ST.—Scheduled Tribes.

WEST BENGAL LEGISLATIVE COUNCIL

Chairman. Dr. Suniti Kumar Chatterji.

Dy. Chairman : Dr. Pratap Chandra Guha Ray.

Local Authorities' Constituencies

R. S. Prasad (Darjeeling); Sachindra Nath Misra (West Bengal North); Tarakdas Bandopadhyaya (Nadia-Murshidabad); Kall Narayan Sinha (Nadia-Murshidabad); Kall Pada Mookerjee* (Calcutta-24 Parganas); Sarat Chandra Sawoo* (Calcutta-24 Parganas); Sudhrendra Nath Majumdar (Calcutta-24 Parganas); Hriday Bhushan Chakravarty (Calcutta-24 Parganas); Devaprasad Chatterjee (Calcutta-24 Parganas); Prafulla Kumar Guha (Calcutta-24 Parganas); Prafulla Chandra Sen (Hooghly-Howrah); Rabindralal Sinha* (Hooghly-Howrah); Sunil Kumar Banerjee (Hooghly-Howrah); Charu Chandra Mahanty* (Burdwan Division North); Pranabeswar Sarkar* (Burdwan Division North); Binan Behari Lal Singha (Burdwan Division

North); Annada Prosad Choudhuri (Burdwan Division North).

Graduates' Constituencies

Nirmal Chandra Bhattacharyya* (Calcutta); Dr. Suniti Kumar Chatterji (West Bengal South); Charu Chandra Sanyal (West Bengal North); Chittaranjan Roy* (West Bengal West).

Teachers' Constituencies

Kamini Kumar Ghosh (Calcutta); Dr. Bijanbihari Bhattacharya (Burdwan Division); Mohitosh Koi Choudhuri* (Presidency Division South); Durga Kinkar Bhattacharye* (Presidency Division North).

Bengal Legislative Assembly

Janab Abdul Halim; Narendranath Bagchi; Bankim Chandra Banerji; Subodh Kumar Bose; Monindra Mohan Chakrabarty*; K. P. Chattopadhyay*; Janab Mohammad Sayeed Mia, Dr. Pratap Chandra Guha Ray; Siba Prasad Kumar*; Janab Mirza Abdur Rasid*; Kamala Charan Mookerjee; Debendranath Mukherjee*; Kanada Kinkar Mukherjee; Bijoy Singh Nahar; Lakshman Prodhan*; Surendra Kumar Roy; Debendra Sen.

Nominated by Governor

Sankar Das Banerji; Tara Sankar Banerjee*; Gurugobinda Basu; Santil Das; Narasingha Malla Ugal Sanda Deb; Labanyaprovra Dutt; Janab Musharruf Hossain; Janab Shaikh Mohammad Jan*; Pannalal Sarangi*.

* Were due to retire on June 4, 1954. At the time of going to press elections had not taken place

WEST BENGAL ASSEMBLY GENERAL ELECTIONS

Population : 24,810,308 (1951 final)

Electorate : 12,409,850.

Seats : 238 (40 for SC, 12 for ST), Constituencies : 187 (136 SM, 51 DM).

Parties	Candidates				Uncontested Gains			Contested Wins			Elected			Valid Votes Polled	Forfeited Deposit
	Set up	Total	SC	ST	Total	SC	ST	Total	SC	ST	Total	SC	ST		
1. Congress	236	236	40	11	1	—	1	149	26	9	150	26	10	2,897,887	1
2. Socialist	62	62	6	6	—	—	—	—	—	—	—	—	—	215,049	50
3. Kisan Mazdoor Praja Party	129	129	16	5	—	—	—	15	2	1	15	2	1	667,443	80
4. Jan Sangh	86	86	13	1	—	—	—	9	2	—	9	2	—	420,266	62
5. Communist Party of India	86	86	14	4	—	—	—	28	5	—	28	5	—	800,961	16
6. Forward Bloc (M) ..	48	48	4	2	—	—	—	11	3	—	11	3	—	393,597	17
7. Forward Bloc (R) ..	34	34	4	1	—	—	—	2	—	—	2	—	—	112,677	25
8. Hindu Mahasabha ..	33	33	2	2	—	—	—	4	—	—	4	—	—	176,762	20
9. Ram Rajya Parishad ..	14	14	1	—	—	—	—	—	—	—	—	—	—	7,100	14
10. Revolutionary Socialist	14	14	—	1	—	—	—	—	—	—	—	—	—	60,372	8
11. Bolshevik Party ..	8	8	1	—	—	—	—	—	—	—	—	—	—	20,117	5
12. Revolutionary Communist	11	11	2	—	—	—	—	—	—	—	—	—	—	31,034	10
13. Gorkha League	4	4	—	1	—	—	—	3	—	—	3	—	—	81,320	—
14. Independents	608	193	27	4	—	—	—	16	2	1	16	2	1	1,608,112	521
Total	1,373	—	—	—	1	—	1	237	40	11	238	40	12	7,442,697	829

An estimate of party strength at present (March 1954) is as follows: Congress 156; Communists 29; National Democratic Party 15; Praja Socialist Party 17; Forward Bloc 15; Unattached 6; Vacancies 8.

WEST BENGAL LEGISLATIVE ASSEMBLY

Speaker: Salla Kumar Mukherjee.

Dy. Speaker: Ashtosh Mallick.

Satyendra Kumar Basu (Con.), (Alipur); Pijush Kanti Mukherjee (Con.), (Alipur Duars); Debendra Brahmamandal (ST), (Con.), (Alipur Duars (R)); Tarapada Pramanik (Con.), (Amia Central); Alamohan Dasa (Ind.), (Amia North); Arabinda Roy (Con.), (Amia South); Dr. Radhakrishna Pal (F.B.), (Arambagh); Madan Mohan Saha (SC), (C.P.I.), (Arambagh (R)); Dr. Atindra Nath Bose (F.B.(R)), (Asansol); Ananda Gopal Mukherjee (Con.), (Aurangam); Kanailal Das (SC), (Con.), (Aurangam (R)); Sambhu Charan Mukherjee (Con.), (Bagnan); Brindaban Chattopadhyaya (Con.), (Balgore); Ratanmoni Chattopadhyaya (Bally); Sarojranjan Chattopadhyaya (Con.), (Bairghat); Lakshan Chandra Hasda (ST), (Con.), (Bairghat (R)); Rakhahari Chatterjee (H.M.S.), (Bankura); Iswar Das Jalan (Con.), (Barabazar); Jyoti Basu (C.P.I.), (Baranagore); Dr. Amulyadhar Mukhopadhyaya (Con.), (Barasat); Profulla Chandra Roy (Con.), (Barasat); Phanindranath Mukhopadhyay (Con.), (Barasat); Abdus Shukur (Con.), (Barasat); Lalit Kumar Sinha (SC), (C.P.I.), (Barasat (R)); Prafulla Banerjee (Con.), (Barasat); Biren Roy (F.B.(R)), (Behala); Kshitis Chandra Uthoe (Con.), (Beldanga); Ganesh Ghosh (C.P.I.), (Belgachia); Suhrid K. Mullick Chowdhury (F.B.(M)), (Belgachia); Jogesh Chandra Gupta (Con.), (Bemadakpur-Ballygunge); Pullin Behari Khatia (SC), (Con.), (Bemadakpur-Ballygunge); Bejoy Kumar Ghosh (Con.), (Berhampore); Byomkesh Majumdar (Con.), (Bhadreswar); Rameswar Panda (J.S.), (Bhagwanpur); Gangadhar Naskar (SC), (C.P.I.), (Bhangore); Hem Chandra Naskar (SC), (Con.), (Bhangore (R)); Bijoyendu Narayan Roy (Con.), (Bharatpur); Dayaram Beri (Con.), (Bhatpara); Shrimati Mira Dutta Gupta (Con.), (Bhowanipur); Nripendra Gopal Mitra (J.S.), (Bimpur); Mangal Chandra Saren (ST), (Con.), (Bimpur (R)); Provas Chandra Roy (C.P.I.), (Bishnupur); Basanta Kumar Mal (SC), (Con.), (Bishnupur (R)); vacant (Bisnur); Hameswar Roy (Con.), (Bolpur); Bhushan Hansda (ST), (Con.), (Bolpur (R)); Dr. Jiban Ratan Dhar (Con.), (Bongaon); Dr. Bidhan Chandra Roy (Con.), (Bosebar); Bankim Mukherji (C.P.I.), (Budge-Budge); Benoy Krishna Chowdhury (C.P.I.), (Burdwan); Sudhir Chandra Ray (Choudhuri (P.S.P.), (Burla); Satyendra Chandra Ghosh Maulik (Con.), (Burian-Khargram); Sudhir Mondal (SC), (Con.), (Burian-Khargram (R)); Jojneswar Roy (Con.), (Central Duars); Mangaldas Bhagat (SY), (Con.), (Central Duars (R)); Smarajit Bandopadhyaya (Con.), (Chapra); Probodh Dutta (H.M.S.), (Chhatna); Kamala Kanta Hembram (ST), (Con.), (Chhatna (R)); Jyotish Chandra Ghosh (F.B.(M)), (Chinsura); Radhanath Das (SC), (Con.), (Chinsura (R)); Anandilal Poddar (Con.), (Chinsura); Sudhir Chandra Das (P.S.P.), (Chinsura North); Natondra Nath Das (P.S.P.), (Chinsura South); Maziruddin Ahmed (Con.), (Cooch-Behar); Jatindra Nath Sinha Sarker (SC), (Con.), (Cooch-Behar (R)); Biswanath Roy (Con.), (Coochpur); Jnanendra Kumar Chaudhury (J.S.), (Dandari); Dalbahadur Singh Gahatraj (A.I. Gorka League), (Darjeeling); Mridendra Bhattacharjya (C.P.I.), (Darpur); Rafiuddin Ahmed (Con.), (Deganga); Dharendra Narayan Mukherjee (Con.), (Dhaniakhali); Looa Hasda (ST), (Dhaniakhali (R)); Rabindra Nath Sikde (Con.), (Dharguri); Jagdish Haldar (Con.), (Diamond Harbour); Satish Chandra Roy Singh (Con.), (Dinhat); U. C. Mandal (SC), (Con.), (Dinhat (R)); Tarapada Dey (C.P.I.), (Domjur); Khamal Lal Das (Con.), (Dum Dum); Debendra Chandra Dey (Con.), (Enitally); Jyotish Chandra Roy (C.P.I.), (Fakra); Giasuddin (Con.), (Farakka); Narendra Nath Sen (Con.), (Fort);

Ziaul Haque (Con.), (Gaighata); Jadabendra Nath Panja (Con.), (Galsi); Mohitosh Shaw (SC), (Con.), (Galsi (R)); Dharendra Nath Chatterjee (Con.), (Gangajalghati); Satindra Nath Basu (Con.), (Gangarampur); Saroj Roy (C.P.I.), (Garbeta); S. M. Abdullah (Con.), (Garden Reach); Dharani Dhar Sarker (C.P.I.), (Gazole); Dr. Jatish Chandra Ghosh (C.P.I.), (Ghatol); Amulya Charan Dal (SC), (C.P.I.), (Ghatol (R)); Narendra Nath Ghosh (Gohat); Dhananjoy Kar (P.S.P.), (Gopiballaspur); Jagatpati Hansda (ST), (P.S.P.), (Gopiballaspur (R)); Tarun Kanti Ghosh (Con.), (Ilahra); Janab Hajee Abdul Hameed (Con.), (Haricharpara); Ramhari Roy (Con.), (Harichandrapur); Hemanta Kumar Ghosal (C.P.I.), (Harou-Sandeskhali); Jyotish Chandra Ray (SC), (Con.), (Harou-Sandeskhali (R)); Bijesh Chandra Sen (Con.), (Harnabad); Rajkrishna Mondal (SC), (Con.), (Harnabad (R)); Salla Kumar Mukherjee (Con.), (Hourah East); Biren Banerjee (C.P.I.), (Hourah North); Dr. Beni Chandru Dutt (Con.), (Hourah South); Bankim Chandra Kar (Con.), (Hourah West); Banamali Das (Con.), (Itahar); Amrita Lal Hazra (Con.), (Jagatballarpore); A. M. A. Zaman (Con.), (Jalangi); Khagendra Nath Das Gupta (Con.), (Jalpaiguri); vacant (Jalpaiguri (R)); Mahendra Nath Mahata (Con.), (Jhargram); Madan Mohan Khan (SC), (J.S.), (Jhargram (R)); Ram Lagan Singh (Con.), (Jorabagan); Amarendra Nath Basu (F.B.(M)), (Jorasanko); Shiva Kumar Rai (A.I. Gorka League), (Jorebunglow); Subodh Banerjee (Ind.), (Jyngapore); Dintaran Moni (SC), (Ind.), (Jyngapore (R)); Abul Barkat Ataul Gani (Ind.), (Kalachak North); Sourindra Mohan Misra (Con.), (Kalachak South); S. M. Fazlur Rahman (Con.), (Kalgani); Shrimati Mani Kuntala Sen (C.P.I.), (Kalighat); Narbahadur Gurung, (Kampong); Rashbehari Sen (Con.), (Kalna); Baidya Nath Santal (ST), (Con.), (Kalna (R)); Gopalband Trivedi (Con.), (Kandi); Haripada Chatterjee (P.S.P.), (Karimapur); Subodh Choudhury (C.P.I.), (Katwa); Gangapada Kuar (SC), (P.S.P.), (Keshpur); Nagendra Dahil (SC), (C.P.I.), (Keshpur (R)); Tarapada Bandopadhyaya (H.M.S.), (Ketugram); Mohammed Hossain (Con.), (Khandaghoosh); Moulana Mohammad Mumtaz (Con.), (Kharanpur); Tafazzal Hossain (Con.), (Kharba); Amulya Katan Ghose (H.M.S.), (Khatra); Ashutosh Mallick (SC), (Con.), (Katra (R)); Shrinati Abha Maiti (Con.), (Khejra); Koustuv Kanti Karan (SC), (Con.), (Khejri (R)); Khagendra Nath Bandopadhyay (Con.), (Khoysand); Bejoylal Chatterjee (Con.), (Krishnagar); Nalin Kanta Haldar (P.S.P.), (Kulpi); Pran Krishna Kamar (SC), (J.S.), (Kulpi (R)); Joynarayan Sarna (Con.), (Kulti); Baidyanath Mondal (SC), (Con.), (Kulti (R)); Nepal Chandra Roy (F.B.(M)), (Kumari); George Mahbert (A.I. Gorka League), (Kurseong-Silguri); Tenzing Wangdi (ST), (Con.), (Kurseong-Silguri (R)); Kazim Ali Meerza (Con.), (Lalgola); Abdul Hashem (Con.), (Magrahat); Ardhendu Shekhar Naskar (Con.), (Magrahat (R)); vacant; (Maheshkola); Kumar Deba Prasad Garga (Ind.), (Mahisadal); Surendra Nath Roy (SC), (Con.), (Mainaguri (R)); Nikunja Behari Gupta (Con.), (Malda); Raipada Das (SC), (Ind.), (Malda (R)); Bhakta Chandra Roy (Con.), (Mangalkot); Dr. Ranendra Nath Sen (C.P.I.), (Manicktala); Passupati Jha (Con.), (Manickchak); Ananda Prasad Mandal (Con.), (Mantewar); Sarada Prasad Pramanik (Con.), (Mathabhangra); Bhushan Chandra Das (P.S.P.), (Mathurapore); Brindaban Gayen (SC), (Con.), (Mathurapore (R)); Dr. Satyendra Prasanna Chatterjee (Con.), (Mekitgani); Basanta Kumar Panigrahi (J.S.), (Mohonpur); Kanai Lal Bhownik (C.P.I.), (Moyna); Sankar Prasad Mitra (Con.), (Muchiapara);

Jogendar Narayan Das (P.S.P.), (Murari); Durgapada Sinha (Con.), (Murshidabad); Niranjan Modak (Con.), (Nabadwip); Suresh Chandra Paul (Con.), (Nahali); Jagannath Mojumder (Con.), (Nakaspura); Yeakub Hossain (Con.), (Nalhati); Subodh Chandra Maiti (Con.), (Nandigram North); Prabir Ch. Jana (Con.), (Nandigram South); Basanta Lal Murarka (Con.), (Nanur); Dr. Sisir Kumar Saha (SC), (Con.), (Nanur (R)); Dr. Krishna Chandra Satpathi (J.S.), (Narayanagar); Surendra Nath Pramanik (SC), (P.T.P.), (Narayanagar (R)); Mohammad Israil (Ind.), (Nowada); Rajani Kanta Pramanik (Con.), (Panakura North); Syama Bhattacharyya (Con.), (Panakura South); Janardan Sahu (J.S.), (Patashpur); Pullin Behari Maiti (J.S.), (Pingla); Bimalananda Tarkatirtha (Con.), (Purbasthali); Golam Hamidur Rahman (Con.), (Raiganj); Syama Prasad Barman (SC), (Con.), (Raiganj (R)); Dasaratih Tah (P.S.P.), (Rainga); Mritunjoy Pramanik (SC), (F.B.(M)), (Rainga (R)); Jatindra Nath Basu (Con.), (Raipur); Jadu Nath Murmu (ST), (Ind.), (Raipur (R)); Balalal Das Mahapatra (Con.), (Ramnagar); Sri Kumar Banerjee (F.B.(M)), (Rampurhat); Panchanan Let (SC), (F.B.(M)), (Rampurhat (R)); Keshab Chandra Mitra (Con.), (Ranaghat); Bejoy Krishna Sarker (SC), (Con.), (Ranaghat (R)); Pashupati Nath Mallah (Ind.), (Raniganj); Dhajadhari Mondal (SC), (Con.), (Raniganj (R)); Zainal Abedin Kazi (Con.), (Raniganj); Srikrutika Konuka Ray (Con.), (Rataul); Gopal Ch. Das Adhikary (Con.), (Sabong); Shyamapada Bhattacharjee (Con.), (Sagarighi); Kuber Chand Haldar (SC), (Con.), (Sagarighi (R)); Haripada Bagul (P.S.P.), (Sagore); Bijoy Gopal Goswami (Ind.), (Saboni); Kanailal Bhattacharya (F.B.(M)), (Sankrad); Kripa Sindhu Shaw (SC), (F.B.(M)), (Sankrad (R)); Sasibhushan Khatu (Con.), (Santipur); Pannalal Bose (Con.), (Seldah); Jitendra Nath Lahiri (Con.), (Serampore); Hemanta Kumar Basu (F.B.), (Shampukur); Sasabindu Bera (F.B.(M)), (Shyampur); Ajit Kumar Basu (C.P.I.), (Singoor); Surendra Nath Saha (SC), (C.P.I.), (Singoor (R)); Bhattacharan Chakravarty (Con.), (Sonamukhi); Shishuran Mandal (SC), (Con.), (Sonamukhi (R)); Gopika Bilas Sen Gupta (Con.), (Suri); Nishapati Majhi (SC), (Con.), (Suri (R)); Kumar Chandra Jana (P.S.P.), (Sutahata); Lutful Hoque (Ind.), (Suti); Mohammad Ishaque (Con.), (Swarupnagar); Sja Purabi Mukhopadhyay (Con.), (Taldangra); Samul Huq (Con.), (Taltola); Ajoy Kumar Mukerji (Con.), (Tamuk); Parbati Hazra (Con.), (Tarakeswar); Baghunandan Biswas (Con.), (Tehatta); Krishna Kumar Shukla (Con.), (Tilagarh); Jyotish Joridar (F.B.), (Tollygunge); Priya Ranjan Sen (Con.), (Tollygunge North); Ambica Chakrabarty (C.P.I.), (Tollygunge South); Bibhu Bhushan Ghose (F.B.(M)), (Uduberia); Bijoy Bhushan Mondal (SC), (F.B.(M)), (Uduberia (R)); Monoranjan Hazara (C.P.I.), (Uttarpara); Narayan Chandra Ray (Ind.), (Vidyasagar); Radhagobinda Roy (Con.), (Vishnupur); Kiran Chandra Digar (SC), (Con.), (Vishnupur (R)); Kall Mukherjee (Con.), (Walgunge); Sasadhar Kar (Con.), (Western Duars); Antoni Topno Munda (ST), (Con.), (Western Duars (R)); R. E. Platel (Anglo-Indian, Nominated); Reginald Arthur Mavsey (Anglo-Indian, Nominated).

Abbreviations · P.S.P.—Praja Socialist Party; H.M.S.—Hindu Mahasabha; C.P.I.—Communist Party of India; F.B. (M)—Forward Bloc (Marxist); F.B. (R)—Forward Bloc (Bulker Group); Con.—Congress; J.S. Jan Sangh; Ind.—Independent; S.T.—Scheduled Tribe; S.C.—Scheduled Caste.

HYDERABAD STATE ASSEMBLY GENERAL ELECTIONS

Population : 18,655,108 (1951 final).

Electorate : 9,035,497.

Constituencies : 142 (109 SM, 33 DM).

Seats : 175 (SC 31, ST 2).

Parties	Candidates					Uncontested Gains			Contested Wins			Elected			Valid Votes Polled	Forfeited Deposit
	Set up	For seats			Total	SC	ST	Total	SC	ST	Total	SC	TC			
		Total	SC	ST												
1. Congress	172	173	31	1	4	3	—	89	15	1	93	18	1	2,176,654	5	
2. Socialist	97	97	9	2	—	—	—	11	3	1	11	3	1	591,215	53	
3. Kisan Mazdoor Praja Party ..	1	1	—	—	—	—	—	—	—	—	—	—	—	4,047	1	
4. Jan Sangh	2	2	—	—	—	—	—	—	—	—	—	—	—	2,328	2	
5. People's Democratic Front ..	75	78	6	—	—	—	—	42	4	—	42	4	—	1,086,111	12	
6. Scheduled Castes Federation ..	23	23	20	—	—	—	—	5	5	—	5	5	—	265,008	8	
7. Peasants and Workers' Party ..	21	21	—	—	—	—	—	10	—	—	10	—	—	215,992	4	
8. Ram Bajya Parishad	7	7	—	—	—	—	—	—	—	—	—	—	—	12,489	6	
9. Hindu Mahasabha	3	3	—	—	—	—	—	—	—	—	—	—	—	3,176	3	
10. Other State Parties*	25	25	9	—	—	—	—	—	—	—	—	—	—	92,234	21	
11. Independents	132	94	7	1	—	—	—	14	1	—	14	1	—	751,988	80	
Total	558	—	—	—	4	3	—	171	28	2	175	31	2	5,202,142	195	

* Hyderabad State Praja Sabha ; United Scheduled Caste Federation ; Hyderabad State Depressed Class Association ; Republican Party ; Independent League.

The Congress emerged as the largest single Party in the Hyderabad State Assembly with an absolute majority over all others.

Ten Muslims were returned to the Assembly. Of these eight belonged to the Congress Party, one to the P.D.F. and one was an Independent. The 175-member House had eight women, five of them being Congress, 1 P.D.F., 1 S.C.F. and 1 Independent.

The Congress suffered some major reverses at the hands of the People's Democratic Front (Communists) in Telengana, Peasants and Workers (pro-Communists) in Marathwada and Independents (rebel Congressmen) in Karnatak regions.

In Telengana, which consists of the eight "disturbed" districts of the State, out of the 93 seats it contested, the Congress won only 38. It lost all the 14 seats in Nalgonda to the Communists and annexed only 2 each in Karim-

nagar and Warangal. Six prominent Congressmen, including the two General Secretaries of the Congress, were defeated. Two prominent Nationalist Muslims who stood on Congress ticket were also defeated.

The Congress polled roughly 41 per cent of the total votes polled. Six Congress candidates forfeited their deposits.

Almost all the prominent members of the Socialist Party, including Mr. Mahadev Singh and Mr. Y. S. Rao were defeated.

The People's Democratic Front (Communists) which was a coalition of four Leftist Parties concentrated its attention on Telengana.

The Front was the second largest Party in the Assembly. It obtained, about 21 per cent. of the total polled. Some of the heaviest polling in the State was witnessed in the villages of Telengana. Mr. Ravi Narayan Reddy's home village Bellapalli heading the list with 95 per cent.

The Peasants' and Workers' Party, who follow the Marxian ideology and was expected to support the P.D.F. in the Assembly annexed ten out of the 19 seats it contested in Marathwada. Its candidates obtained about four per cent of the total votes polled.

The leader of the Scheduled Castes Federation Mr. J. H. Subbali, who stood for the House of the People from Ibrahimpatnam for the General seat was defeated by a Congressman. The Federation polled about five per cent of the total vote.

The Independents polled about 16 per cent. of the total votes.

An estimate of party strength at present (1954 March) is as follows. Congress 97, People's Democratic Front 39, United People's Party 36, Scheduled Castes Federation 2.

HYDERABAD LEGISLATIVE ASSEMBLY

Speaker : Kashinath Rao Vaidya.

Dy. Speaker : Pampan Gowda.

Daji Shankar Rao (P.D.F.), (Adilabad) ; Anna Rao Basappa (Con.), (Achalapur) ; Nivarthireddy Ramdoreddy (Con.), (Ahmedpur) ; Faga Pulla Reddy (Con.), (Alampur-Gadwal) ; Naganna (SC) (Con.), (Alampur-Gadwal) (R) ; Shrimati Arutla Kamala Devi (P.D.F.), (Aler) ; Virendra Patil (Con.), (Alland) ; Bhagvant Rao Ghambir Rao (Con.), (Ambed) ; Sharan Gowda (Ind.), (Andola-Jewargi) ; Venkat Rajeshwar Joshi (Con.), (Andole) ; Luchman Kumar (SC) (Con.), (Andole) (R) ; G. Raja Ram (Soc.), (Armoor) ; Rakhama (Con.), (Ashi) ; Laxman Konda (Con.), (Arisabad) ; Kashiram (ST) (Con.), (Arisabad) (R) ; Shripad Rao Laxman Rao Newasekar (Con.), (Aurangabad) ; Devisingh Venkatesingh Chouhan (Con.), (Awase) ; Ananth Reddy (P.S.P.), (Balkonda) ; Shrimati Laxmi Bai (Con.), (Banswada) ; Bhagwan Rao (P. & W.P.), (Basmath) ; Shamrao (SC), (S.C.F.), (Basmath) (R) ; Kashinath Rao Vaidya (Con.), (Begum Bazar) ; Murlidhar Rao Srinivas Rao Kamthkar (Con.), (Bhalbi) ; Sreepat Rao (P.D.F.), (Bhir) ; Digambar Rao Bindu (Con.), (Bhokar) ; Bhau Rao Dagdu Rao (P.D.F.), (Bhokardan) ; Dhondi Raj Kamble (SC) (Con.), (Bhokardan) (R) ; Goka Ramalingam (Con.), (Bhongir) ; Shafuddin (Con.), (Bidar) ; Narayanrao Narasingrao (Con.), (Biloli) ; S. L. Shastry (Con.), (Bodhan) ; Gopal Rao Ekkbote (Con.), (Chandergat) ; Shankerappa Shivayuri (Chincholi) ; Kanchinipalli Venkata Rama Rao (P.D.F.), (Chinnakondur) ; Rudrappa (Con.), (Chitapur) ; Jaywant Rao Gyaneshwar

Rao (Con.), (Deglur) ; Gnapatrao Manik Rao (SC), (Con.), (Deglur) (R) ; Karibappa Guru Basappa (Ind.), (Deodurg) ; K. Anantharama Rao (P.D.F.), (Devarakonda) ; Srinivas Rao (Soc.), (Dhrpalli) ; Juvvadi Damodhar Rao (P.D.F.), (Eligandai) ; Pendem Vasudevu (P.D.F.), (Gaywel) ; Rang Rao (P. & W.P.), (Gangakhed) ; K. R. Hiramath (Ind.), (Gangawathi) ; Ram Rao (P.D.F.), (Georai) ; Mohammad Ali (Con.), (Gulbarga) ; Madhav Rao (P.D.F.), (Hadgaon) ; Servadwa Bhatla Kannadani (P.D.F.), (Hanamkonda) ; Mirza Shukur Balg (Con.), (Hananparti) ; Shamrao (P. & W.P.), (Hingoli) ; Madhaorao (SC), (S.C.F.), (Hingoli) (R) ; Deshpande Bapurao Kishan Rao (Con.), (Hulsur) ; Shreenivasa Rao (Con.), (Humnabad) ; Shankar Deo (SC), (Con.), (Humnabad) (R) ; P. Narayana Rao (Con.), (Husurabad) ; J. Venkatesam (SC), (P.S.P.), (Husurabad) (R) ; Makkadam Mohiuddin (P.D.F.), (Husurnagar) ; Thalamalla Naraimlu (SC), (P.D.F.), (Husurnagar) (R) ; Syed Hasan (P.D.F.), (Hyderabad City) ; Fapi Reddy (P.D.F.), (Ibrahimpatan) ; M. B. Gautam (SC), (Con.), (Ibrahimpatan) (R) ; Vithal Rao Deshpande (P.D.F.), (Ippaguda) ; Baddam Malla Reddy (P.D.F.), (Jagtial) ; Butti Raja Ram (SC), (S.C.F.), (Jagtial) (R) ; Mohd. Ali Moosavi (Con.), (Jaina) ; Syed Akhtar Hussain (P.D.F.), (Jangann) ; Bhujang Rao Nagoreo (P. & W.P.), (Jintar) ; Ramlingaswami (Con.), (Kad) ; Achut Rao Yograj (P. & W.P.), (Kallam) ; M. Narasingh Rao (Con.), (Kalyakurthi) ; K. B.

Veeraswamy (SC), (Con.), (Kalyakurthi) (R) ; G. Vithal Reddy (Con.), (Kamareddi) ; Ram Rao (SC), (Con.), (Kamareddi) (R) ; Chandrasekhar (Con.), (Kamlapur) ; Govind Rao Narasing Rao (Con.), (Khandhar) ; Madhav Rao Sawal Sitaram (Sawal) (SC), (Con.), (Kandhar) (R) ; Ramgopal Ramkishan (Con.), (Kannad) ; C. H. Venkat Ram Rao (P.D.F.), (Karnimnagar) ; Narendra (Con.), (Karwan) ; B. Krishnulu (P.D.F.), (Khammam) ; H. B. Gurumoorthy (SC), (P.D.F.), (Khammam) (R) ; Shighari (Con.), (Kinwat) ; Anant Reddy (Con.), (Kodangal) ; Veeraswami (SC), (Con.), (Kodangal) (R) ; Anantha Ramachandra Reddy (P.D.F.), (Kollapur) ; Shrimati Mahadevamma Basavangowda (Ind.), (Koppal) ; M. Konda Reddy (Ind.), (Kunaram) ; Andanappa (Ind.), (Kushnagi) ; Vinayak Rao Koratkar (Con.), (Latur) ; Basavangowda (Con.), (Lingapur) ; Vishwanath Rao (P.S.P.), (Luzhatipeth) ; Rajmali (SC), (P.S.P.), (Luzhatipeth) (R) ; Kondabolu Venkayya (P.D.F.), (Madhira) ; Kannakanti Srinivas Rao (P.D.F.), (Mahababad) ; B. M. Chander Rao (SC), (S.C.F.), (Mahababad) (R) ; P. Hanumantha Rao (Con.), (Mahabubnagar) ; Shrimati Shantabai (Con.), (Mahabubnagar) ; Basappa (SC), (Con.), (Mahabubnagar) (R) ; Abdul Rahman (P.D.F.), (Malakpet) ; Limbaji Muktaji (P.D.F.), (Manilgaoon) ; G. Srinamulu (P.S.P.), (Manthani) ; Pampana Gowda Sharappa (Ind.), (Manvi) ; Venkateswar Rao (Con.), (Medak) ; Varakantam Gopal Reddy (Con.), (Medchal) ; Gangula Bhoomayya (Ind.), (Miri-

palli); Vaman Rao Ram Rao (P. & W.P.), (Mominabad); Dwarka Prasad Choudhari (SC), (Con.), (Mominabad (R)); Gopal Shastri (Con.), (Mudhol); Hanumanth Rao (P.D.F.), (Mudhol); G. S. Malkote (Con.), (Mushkerabad); Brahmareddi (Ind.), (Nagarkurnool); Ramaswami (SC), (Con.), (Nagarkurnool (R)); Katta Rama Reddy (P.D.F.), (Nalgonda); Lakshmayya (SC), (P.D.F.), (Nalgonda (R)); Bhagwan Rao (Con.), (Nanded); Appa Rao (Con.), (Narayankhed); J. Rama Reddy (Con.), (Narsapur); Sheshrao Madhavrao (Con.), (Nidam); Gopi Reddy Ganga Reddy (P.S.P.), (Nirmal); Ganga Ram (SC), (P.S.P.), (Nirmal (R)); Mohammad Daver Hussain (Con.), (Nizamabad); Singi Reddi Venkat Reddy (P.D.F.), (Nustulapur); Phoolchand Ramchand Gandhi (Con.), (Omurga); Udhave Rao (P. & W.P.), (Omanabad); Kalyan Rao (SC), (Con.), (Omanabad (R)); Bapuji Mansing (P.D.F.), (Pailhan-Gangapur); Govindrao Keroji Gayakwad (SC), (Con.), (Pailhan-Gangapur (R)); Gopal Rao (P.D.F.), (Pakhal); Annajee Rao (P. & W.P.), (Parbhani); Vishwasrao (P. & W.P.), (Paranda); Shrinati Shajihan Begum (Con.), (Paragi); K. Keshava Reddy (Con.), (Parkal); Ankushrao Venkatrao (P. & W.P.), (Partur); Ram Rao Balkrishna Rao (Con.), (Patri); Ratanlal Kotecha (Con.), (Padoda); K. Venkatarama Rao (Con.), (Peddamanagall); Muthaia (P.D.F.), (Peddappalli); Manikchand Kewalchand Pahade (Con.), (Phulmarri); L. K. Shroff (Con.), (Raichur); K. V. Narayan Reddy (Ind.), (Rajgopalpet); Kathakoori Ramachandra Reddy (P.D.F.), (Ramannapet); Ramachandra Reddy (P.D.F.), (Ramannapet); V. B. Raju (Con.), (Secunderabad); J. B. Mutyal Rao (SC), (Con.), (Secunderabad (R)); B. Ramakrishna Rao (Con.), (Shadnagar); Venkat Ranga Reddy (Con.), (Shahabad); Virupakshappa (Con.), (Shahpur); Shrinati Masooma Begum (Con.), (Shalibanda); Mallappa (Con.), (Shorapur); A. Gurva Reddy (P.D.F.), (Siddipet); Nago Rao Vishwanath (Con.), (Siddipet); Sivbasangouda (Ind.), (Sindhanoor); Jogannpalli Anand Rao (P.D.F.), (Sircilla); Shrinati J. M. Rajamani Devi (SC), (S.C.F.), (Sircilla (R)); M. Buchana (Soc.), (Sirpur); Mehdi Nawaz Jung (Con.), (Somajiguda); A. Raj Reddy (P.D.F.), (Sultanabad); B. Dharma Biksham (P.D.F.), (Suryapet); Uppala Malchar (SC) (P.D.F.), (Suryapet (R)); J. K. Pranescharyya (Con.), (Tandur-Serum); Madhavrao Venkatarao Ghonsikar (Con.), (Udipi); Tulsi Ram Dasharath Kamble (SC), (Con.), (Udipi (R)); Shrinati Ashatal Waghamare (Con.), (Vaijapur); Kandimalla Ramakrishna Rao (P.D.F.), (Vemur); M. Chenna Reddi (Con.), (Vikarabad); A. Ramaswami (S.C.), (Con.), (Vikarabad (R)); M. Ram Reddy (P.S.P.), (Wandiparth); M. S. Rajalingam (Con.), (Warangal); Arutla Laxminarasimha Reddy (P.D.F.), (Waradannapet); Jagannath Rao (Con.), (Yadgir); Ambadas (SC), (Con.), (Yadgir (R)); A. Ningangowda (Con.), (Yelburga); K. L. Narasimharao (P.D.F.), (Yellandu); Vooke Nagiah (ST) (Soc.), (Yellandu (R)); Gundu Rao (Con.), (Zaheerabad).

Abbreviations: Con.—Congress; P.S.P.—Praja Socialist Party; Ind.—Independent; P.D.F.—People's Democratic Front; S.C.F.—Scheduled Castes Federation; P. & W.P.—Peasants and Workers' Party; SC.—Scheduled Castes; ST.—Scheduled Tribes.

MADHYA BHARAT ASSEMBLY GENERAL ELECTIONS

Population: 7,954,154 (1951 final)

Electorate: 4,090,857

Seats: 99 (17 for SC, 12 for ST); Constituencies: 79 (59 SM, 20 DM).

Parties	Set up	Candidates			Uncontested Gains			Contested Wins			Elected			Valid Votes Polled	Forfeited Deposit
		For seats			Total	SC	ST	Total	SC	ST	Total	SC	ST		
		Total	SC	ST											
1. Congress	99	99	17	12	1		1	74	16	5	75	16	6	939,327	2
2. Socialist	59	59	8	7	-		-	4	-	4	4	-	4	145,843	50
3. Kisan Mazdoor Praja Party	8	8	-	-	-		-	-	-	-	-	-	-	7,963	8
4. Jan Sangh	42	42	5	4	-		-	4	-	1	4	-	1	192,208	14
5. Communist Party of India	18	18	5		-		-	-		-	-		-	39,600	16
6. Hindu Mahasabha	33	33	7	1	-		-	11	1	1	11	1	1	236,728	5
7. Ram Rajya Parishad	39	39	4	2	-		-	2	-	-	2	-	-	143,132	17
8. Madhya Bharat Bhumi Sewak Sangh	6	6	-	-	-		-	-		-	-		-	11,675	3
9. Madhya Bharat Kisan Congress Samiti	5	5	1	-	-		-	-		-	-		-	13,059	4
10. Independents	131	66	10	1	-		-	3	-	-	-	-	-	258,057	107
Total	440	-	-	-	1		1	98	17	11	99	17	12	1,987,622	228

MADHYA BHARAT LEGISLATIVE ASSEMBLY

Speaker: A. S. Patwardhan.

Dy. Speaker: V. V. Saiwal.

Soubhagyaamal Bapulal Jain (Con.), (Agar); Bhims (ST) (P.S.P.), (Alirajpur (R)); Kusamkantaji Pooranchand Jain (Con.), (Alot); Jamuna Prasad Singh (R.B.F.), (Ambab); Chandana (SC) (Con.), (Ambab (R)); Babu Ram (Con.), (Alair); Mishrilal Balchand Gangwal (Con.), (Bagli); Sawal Singh Mohabat Singh (Con.), (Barnagar); Jadavchand Gulabchand (Con.), (Burwaha); Sitaram Sadhu (SC) (Con.), (Burwaha (R)); Kishan Singh Dhir Singh (Con.), (Barwani (R)); Niranjan Varma (H.M.S.), (Basoda); Vimal Kumar Mannalal (J.S.), (Bhanpura); Vallabhdas Sitarm (Con.), (Bhikangaon); Jaimna Parshad Mukhraya (H.M.S.), (Bhilsa); Chaturbhuj Jatav (SC), (H.M.S.), (Bhilsa (R)); Narsingh Rao Dixit (Con.), (Bhind); Balmukand (Con.), (Bijaypur); Madan Lal Bhikaram (Ind.), (Biora); Dwarkadas Ramnarain (H.M.S.), (Chachaura); Kanhaiyalal Jagannath Khadiwal (Con.), (Depalpur); Sajjansingh Vishnar (SC), (Con.), (Depalpur (R)); Anand Sasashiv Patwardhan (Con.), (Deras); Bapu Kishan Malviya (SC), (Con.), (Deras (R)); Gopal Prasad (Con.), (Dhar-Badnagar); Jagannath (SC) (Con.), (Dhar-Badnagar (R)); Murlidhar Viswanathrao Ghule (Con.), (Ghatigaon); Ram Dhan Singh (Con.), (Gohad-Mehgaon); Prabhu (SC) (Con.), (Gohad-Mehgaon (R)); Vinodwan Prasad Tiwari (H.M.S.), (Guna); Purushottam Rao Inamdar (H.M.S.), (Gwalior); Ramsingh Karansingh Verma (Con.), (Indore City 'A'); Vysanktesh Vishnu David (Con.), (Indore City 'B'); Manoharsingh Hullasnal (Con.), (Indore City 'C'); Vishnu Vinayak Sarwate (Con.), (Indore City 'D'); Faizulla Aliub Chaudhri (Con.), (Jaora); Badridutt Chaturbhuj (Con.), (Jawad); Shrinati Jannabal (ST) (P.S.P.), (Jhabua (R)); Prem Singh (ST) (P.S.P.), (Jobat (R)); Ramchandan Mishra (Con.), (Joora); Bhagwan Das Chaturvedi (H.M.S.), (Karera); Ramchandra (Con.), (Khachraud-Mahidpur); Bheroolal Sewaji (SC) (Con.), (Khachraud-Mahidpur (R)); Manjulabai Waglo (Con.), (Khategaon); Ramkant Khode (Con.), (Khargone); Sawal Singh Mandloi (ST) (Con.), (Khargone (R)); Baghura Singh (Ind.), (Khilchipur East); Prabhudayal Bhanwarlal (ST) (Con.), (Khilchipur West); Ratu (Con.), (Kukshi (R)); Ram Singh (Con.), (Kurwai); Har Sewak Mishra (Con.), (Lahar); Gokul Prasad (SC) (Con.), (Lahar (R)); Har Kishore (H.M.S.), (Lashkar); Ramulal Ji (Con.), (Manasa); Shiv Dhan (ST) (Con.), (Manasar North (R)); Kirat Singh (ST) (H.M.S.), (Manasar South (R)); Bhagwandas Kuwari (Con.), (Mandsaur North); Shyamshukh Sodmalji Garg (Con.), (Mandsaur South); Rustamji Cowasji Jali (Con.), (Mhow); Shyamal Pandviya (Con.), (Morar); Murlidhar Singh (P.S.P.), (Morena); Karan Singh (SC) (Con.), (Morena (R)); Kundan Lal Madan Lal Varya (Con.), (Mungoli); Badha Vallabh (Con.), (Narsingarh); Bhanwarlal Jivan (SC) (Con.), (Narsingarh (R)); Sitaram Surajmal Jaju (Con.), (Neemuch); Ram Dayal Singh

Raghuvanshi (Con.), (Pachhar); Dulichand Sumerchand (SC) (Con.), (Pachhar (R)); Devial Sudra (Con.), (Pichhore-Bhandair); Kishorilal Sukhran (SC) (Con.), (Pichhore-Bhandair (R)); Laxmi Narala Gupta (H.M.S.), (Pichhore North); Diwan Burjor Singh (H.M.S.), (Pichhore South); Raja Balbhadrasingh (Ind.), (Raghoghar); Shrimati Pratibha Datta (Con.), (Itagarh); Hiralal Sharma (J.S.), (Raipur); Dr. Prem-singhji (Con.), (Raikam City); Devisinghji (Con.), (Raikam Tehsil); Laxmichand (Con.), (Sebalgarh); Jetha (ST) (Con.), (Saviana (R)); Shankarlal (Con.), (Sardarpur); Ram

Chandra Bade (J.S.), (Sendhwa); Barku (ST) (Con.), (Sendhwa (R)); Hari Laxman Masurkar (Con.), (Shajapur); Kishanlal Nagaji (SC) (Con.), (Shajapur (R)); Udalban Singh (Con.), (Sheopur-Pohri); Soma (ST) (Con.), (Sheopur-Pohri (R)); Narhari Prasad (Con.), (Shivpur-Kolaras); Tula Ram Jatav (SC) (Con.), (Shivpur-Kolaras (R)); Trayambak Sadashiv Gokhle (Con.), (Shivajipur); Bapulal Champalal Chaudhary (Con.), (Sitamai); Dhaniram Harischandra Sagar (SC) (Con.), (Sitamai (R)); Vijaysingh Hirasingsh (Con.), (Sonkatch); Bana Mansingh Kalusingh (Con.), (Suener);

Rameshwar Dayal Totia (Con.), (Tarana); Lalasingh Manna (ST) (P.S.P.), (Thandla (R)); Vishvanath Vasudeo (Con.), (Ujjain City); Mouiana Masood Ahmed Mahmood Ahmed (Con.), (Ujjain Tehsil); Durgadas Bhagwandass (SC) (Con.), (Ujjain Tehsil (R)); Ranvijay Singh (R.B.P.), (Umri).

Abbreviations: Con.—Congress; P.S.P.—Praja Socialist Party; H.M.S.—Hindu Mahasabha; R.B.P.—Ram Rajya Parishad; J.S.—Jan Sangh; SC.—Scheduled Castes; ST.—Scheduled Tribes.

MYSORE LEGISLATIVE COUNCIL*

Chairman: K. T. Bhashyam.

Dy. Chairman: P. Gopalakrishna Chetty.

Graduates' Constituency

G. Veerappa (Davangere); T. S. Rajagopala Iyengar (Mysore); A. N. Rama Rao (Bangalore).

Teachers' Constituency

M. P. L. Sastry (Bangalore); K. Sampathgiri Rao (Bangalore); H. R. Abdul Gaffar (Bangalore).

Local Authorities' Constituencies

KOLAR DISTRICT.

C. H. Venkataramanappa (Kolar); D. Venkataramiah (Kolar).

TUMKUR DISTRICT.

T. N. Kempa Honniah (Tumkur).

BANGALORE DISTRICT.

B. Subbanna (Bangalore); S. R. Gurulingiah alias S. B. Guru (Dodballapur).

* About a third of the members were due to retire in April 1954.

MANDYA DISTRICT.

J. Deviah (Mandya Town).

MYSORE DISTRICT.

P. Sitharamiah (Mysore); R. P. Revanna (Chamarajanagar Taluk).

HASSAN DISTRICT.

Y. Dharmappa (Hassan).

CHIKMAGALUR DISTRICT.

N. P. Govinda Gowda (Chikmagalur).

SHIMOGA DISTRICT.

U. P. Shankara Rao (Shimoga).

CHITALDURG DISTRICT.

T. Veeranna (Challakere Taluk); J. Krishna Rao (Davangere City).

Elected by Legislative Assembly

K. T. Bhashyam (Bangalore City); T. P. Brahmiah (Tumkur); H. M. Gangadhariah (Tumkur); M. Hanumanthiah (Nelamangala); M. N. Jois (Mysore City); Srimathi M. R. Lakshamma (Bangalore); M. N. Mahanta Devaru (Mysore); B. T. Ramiah (Bangalore); M. Shankaraiya (Mysore City); S. Sivappa (Chamarajanagar Taluk); P. Thirumala Gowda (Maddur Town, Sivapura); S. Veerabasappa (Chitaldurg); M. Velluri (Bangalore).

Nominated

K. R. Seshachar (Retired Chief Engineer); T. Chowdiah (Ashana Vidyan); G. H. Veeranna (Natarakurina); Rumale (Thennabaviah); P. Gopalakrishna Setty (Advocate); G. J. Devanath (Advocate); Gurur Ramaswamiengar, Syed Ghous Mohyuddin (Editor, Alkalam).

MYSORE ASSEMBLY GENERAL ELECTIONS

Population . 9,074,972 (1951 final).

Electorate . 3,969,735.

Seats: 99 (19 for SC), Constituencies 80 (61 SM, 19 DM).

Parties	Candidates			Uncontested Gains		Contested Wins		Elected		Valid Votes Polled	Forfeited Deposit
	Set up	for seats		Total	SC	Total	SC	Total	SC		
		Total	SC								
1. Congress	99	99	19	1	1	73	13	74	14	1,276,385	—
2. Socialist	16	46	7	—	—	3	—	3	—	235,747	23
3. K.M.P.P.	62	62	10	—	—	8	1	8	1	418,394	22
4. Jan Sangh	23	23	2	—	—	—	—	—	—	61,418	18
5. C.P.I.	5	5	1	—	—	1	—	1	—	25,116	4
6. S.C.F.	8	4	4	—	—	2	2	2	2	60,684	4
7. Hindu Mahasabha	1	1	—	—	—	—	—	—	—	2,543	1
8. Independents	150	75	11	—	—	11	2	11	2	665,228	94
Total	394	—	—	—	—	—	—	99	—	2,745,515	166

MYSORE LEGISLATIVE ASSEMBLY*

Speaker: Vacant.

Dy. Speaker: R. Chennigaramiah.

K. Panchakshariah (Con.), (Arrikere); G. A. Thimmappa Gowda (Con.), (Arkalpur); B. V. Narayana Reddy (P.S.P.), (Bagelpali-Gudibanda); K. V. Byregowda (Con.), (Bangalore North); R. Muniaswami (SC), (Con.), (Bangalore North (R)); A. V. Narasimha Reddy (Con.), (Bangalore South); B. T. Kempa Raj (SC), (Con.), (Bangalore South (R)); B. Madhavachar (Con.), (Bhadra-coti); B. K. Prasad (Con.), (Bangalore); P. R. Ramaiya (Con.), (Basavangudi); B. N. Boranna Gowda (Con.), (Belur); H. K. Siddiah (SC), (Con.), (Belur (R)); U. M. Madappa (P.S.P.), (Chamarajanagar); B. Anantaraman (Con.), (Chamarajpet); L. Siddappa (P.S.P.), (Channarayana); V. Venkatappa (Con.), (Channarayana); vacant (Channarayana); Shrimati B. L. Subbamma (Con.), (Chikmagalur-Mudigere); G. Puttaswamy (SC), (Con.), (Chikmagalur-Mudigere (R)); C. H. Lingadevaru (Con.), (Chikmagalur-Mudigere); M. C. Anjaneya

Reddy (Ind.), (Chintamani); Narayanappa (SC), (Ind.), (Chintamani (R)); Mulka Govinda Reddy (P.S.P.), (Chitaldurg); B. M. Seenappa (Con.), (Cubbempet); Shrimati Ballary Siddamma (Con.), (Davangere); T. Siddalingiah (Con.), (Dodballapur); D. Venkatesh (Con.), (Gandhinagar); N. C. Nagaling Reddy (Con.), (Goribidnur); C. M. Annayappa (Con.), (Gubbi); H. K. Shivarudrappa (Ind.), (Gundlupet-Heggadavankote); Siddiah alias Kuniah (SC), (Ind.), (Gundlupet-Heggadavankote (R)); H. Siddaveerappa (Con.), (Harthar); D. R. Karl Gowda (Con.), (Hassan); V. Masayappa (Con.), (Hiriyur); T. Hanumalya (SC), (Con.), (Hiriyur (R)); G. Shivappa (Con.), (Holalkere); G. Duggappa (SC), (Con.), (Holalkere (R)); A. G. Ramachandra Rao (Con.), (Hole Narasipura); H. S. Rudrappa (Con.), (Honnali); G. Basappa (Con.), (Hosadurga); Shrimathi Lakshmidevi Ramanna (Con.), (Hoskote-Anekal); H. T. Puttappa (SC),

(Con.), (Hoskote-Anekal (R)); N. Huchamasthey-gowda (Con.), (Huliyur); D. Devaraja Urs (Con.), (Hunsur); J. Mohamed Imamsab (P.S.P.), (Jagalur); B. Chikkanna (Con.), (Javagal); Y. M. Chandrasekhariah (Con.), (Kadur); K. G. Thimme Gowda (Con.), (Kambanakal); K. Pattabhiraman (Ind.), (Kolar); K. S. Vasas (C.P.I.), (Kolar Gold Fields); P. M. Swamidral (SC), (S.C.F.), (Kolar Gold Fields (R)); B. C. Nanjundiah (Con.), (Kora); Muddu Ramiah (Con.), (Koratageri-Madhugiri); R. Chennigaramiah (SC), (Con.), (Koratageri-Madhugiri (R)); S. H. Thammiah alias Hanumanthegowdara Thammiah (Ind.), (Krishnarajanagar); S. M. Lingappa (Con.), (Krishnarajpet); T. N. Mudlagiri Gowda (Con.), (Kunigal); H. K. Veeranna Gowda (Con.), (Maddur); K. V. Shankara Gowda (Con.), (Mandya); S. Siddappa (Con.), (Magadi); B. P. Nagaraja Murthy (P.S.P.), (Malavalli); M. Chikkalingiah (SC), (S.C.F.),

* Member from Bellary not included.

† Resigned membership on March 25, 1954.

(*Malavalli* (R)); V. R. Naidu (Con), (*Malleswaram*); H. C. Linga Reddy (Con.), (*Malur*); A. Bhimappa Nalk (Con.), (*Molakalmur*); G. Narayana Gowda (Con.), (*Mulbagal-Srinivasapur*); T. Channiah (SC), (Con.), (*Mulbagal-Srinivasapur* (R)); T. Mariappa (Con.), (*Mysore City North*); B. Narayanaswamy (Con.), (*Mysore City South*); Shivananjan Gowda (Con.), (*Mysore Taluk*); K. Singari Gowda (Con.), (*Nagamangala*); M. Linganna (Ind.), (*Nanjangud*); M. Madiah (SC), (Con.), (*Nanjangud* (R)); D. M. Govindaraju (Con.), (*Nelamangala*); K. Prabhakar (SC), (Con.), (*Nelamangala* (R)); Mall Mariyappa (Con.), (*Pavagada*), C. T. Hanu-

manthiah (SC), (Con.), (*Pavagada* (R)); B. Y. Neelegowada (Con.), (*Pandavapura*); S. M. Mariyappa (Ind.), (*Periyapatna*); K. Hanu-manthiah (Con.), (*Ramnagar*); S. Gopa's Gowda (P.S.P.), (*Sagar-cum-Hosanagar*); S. R. Nagappa Setty (Con.), (*Shimoga*); G. Papanna (Con.), (*Siddagatta-Chikballapur*); A. Muniyappa (SC), (Con.), (*Sullagatta-Chikballapur* (R)); B. N. Ramegowda (Ind.), (*Sira*); H. Siddaiya (Con.), (*Sorab-cum-Shikaripur*); A. Ganganayak (SC), (Con.), (*Sorab-cum-Shikaripur* (R)); K. Puttaswamy (Con.), (*Srirangapatna*); V. M. Mascarenhas (Con.), (*St John's Hill*); T. C. Basappa (Con.), (*Tarikere*); T. G. Thimma-

Gowda (Con.), (*Tiptur*); Kadidal Manjappa (Con.), (*Thirthalli-Koppa*); S. Srinivasa Iyengar (P.S.P.), (*T. Narasipur*); M. V. Rama Rao (Con.), (*Tumkur*); B. Hutche Gowda (P.S.P.), (*Turuvekere*); M. Palanappan (Con.), (*Ulsoor*); S. Kariyappa (Con.), (*Virupakshapura*); M. Rajasekharamurthy (Ind.), (*Yelandur*); B. Bachiah (SC), (P.S.P.), (*Yelandur* (R)).

Abbreviations: Con—Congress, P.S.P.—Praja Socialist Party; Ind—Independent, S.C.F.—Scheduled Caste Federation; C.P.I.—Communist Party of India; S.C.—Scheduled Castes

PEPSU ASSEMBLY FIRST GENERAL ELECTIONS

Population 3,493,685 (1951 final).

Electorate: 1,758,026.

Seats 60 (10 for SC); Constituencies: 50 (40 SM, 10 DM).

Parties	Set up	Candidates for seats		Uncontested Gains		Contested Wins		Elected		Valid Votes Polled	Forfeited Deposit
		Total	SC	Total	SC	Total	SC	Total	SC		
1. Congress	53	53	8	—	—	26	5	26	5	395,750	7
2. Socialist	18	18	2	—	—	—	—	—	—	23,899	15
3. Kisan Mazdoor Praja Party	15	15	1	—	—	1	—	1	—	20,179	14
4. Jan Sangh	27	27	1	—	—	2	—	2	—	52,905	22
5. Communist Party of India	7	7	—	—	—	2	—	2	—	33,235	3
6. Scheduled Castes Federation	5	5	2	—	—	1	1	1	1	43,932	1
7. Forward Bloc (M)	12	12	1	—	—	—	—	—	—	24,156	10
8. Krishikar Lok Party	2	2	—	—	—	—	—	—	—	15,103	—
9. Akali Party	41	41	7	—	—	19	3	19	3	317,502	6
10. Lal Communist Party	14	14	3	—	—	1	—	1	—	58,500	7
11. Independents	180	57	9	1	1	7	—	8	1	369,294	144
Total	374	—	—	1	1	59	9	60	10	1,354,455	229

PEPSU LEGISLATIVE ASSEMBLY

A second general election took place early in 1954

Total seats 60 Electorate 1,840,165

	Contested	Won	Votes polled
Congress	60	37	702,077
Right Akhali	33	10	124,699
Left Akhali	22	2	120,210
Communists	9	4	96,697
P.S.P.	4	Nil	2,228
Hindu Sabha	8	Nil	14,003
Jan Sangh	11	Nil	17,508
Independents	22	7	130,485

Independents include four National Front nominees.

Speaker, Ramasaranand Mittal, Dy. Speaker, Sardar Chet Singh.

The list of members given below is arranged according to party

Congress.
 Col. Bagbir Singh (*Patnala*), Gurbakhshik Singh (*Sherpur*); Parduman Singh (*Dhuri-General*); Lehna Singh (*Dhuri-Reserved*); Kanwar Manjit Inder Singh (*Kot Kapura*); Ramasaran Chand Mittal (*Narnaul*); Thakur Singh (*Kapurthala*); Gian Chand (*Kandaghat-General*); Roohan Lal (*Kandaghat-Reserved*); Nihal Singh (*Bangal Chaudhri*), Sham Manohar

(*Aitoli*), S. Chanda Singh (*Ahmedgarh*), S. Kirpal Singh (*Banur*), S. Harchand Singh (*Banur*); Kali Ram (*Safidon*), Nawab Iftikhar Ali Khan (*Malerkotla*), S. Dal Singh (*Jind*); Mangal Singh (*Mohindergarh*), Hira Singh (*Jaitu*); Hans Raj Sharma (*Phaguware-General*); Sadhu Ram (*Phaguware-Reserved*); Lal Singh (*Kanina*); Amir Singh (*Dadri-General*); Ram Chand (*Dadri-Reserved*); S. Prem Singh (*Prem (Rajpura)*);

Shamsher Singh (*Maur*), Bish Bhan (*Kalyat*), Devinder Singh (*Sangrur*), Raja Surinder Singh (*Nalagarh*), Fakiria (*Narwana*); Shiv Dev Singh (*Nabha*), Balwant Singh (*Sirhind*), S. Chet Singh (*Neharwala-Raman*), Shrimati Chandrawati (*Budhra*), Harcharan Singh (*Bhatinda*), Raja Maheshindra Singh (*Sunam*), Shri Bhagwant Singh (*Bhadson*).

Akali Dal (Tara Singh Group).

Mrs. Rarewala (*Patnala City*), Baba Harnam Singh (*Bholath*), S. Atma Singh (*Sultanpur*), Jangir Singh Phaguwala (*Bhawanagarh*), S. Pritam Singh (*Sardulgarh*), S. Kartar Singh Diwana (*Barnala*), S. Kartar Singh (*Neharwala-Raman*), S. Brant Singh (*Basni*).

Akalis (Left-wing).

S. Dhanna Singh (*Phul-Reserved*)

Communist

Hardit Singh (*Dhanaua*), S. Arjun Singh (*Phul-General*), S. Jangir Singh (*Mansa*)

Independent.

Raja of Faridkot (*Faridkot*), Shri Ghasi Ram (*Julana*), Surinder Nath (*Samana*), Pritam Singh (*Samana*), S. Gian Singh Rarewala (*Amlah-General*), S. Mihan Singh Gill (*Amlah-Reserved*), Ch. Abhai Singh (*Narwana*).

RAJASTHAN ASSEMBLY GENERAL ELECTIONS

Population : 15,290,797 (1951 final).

Electorate : 7,620,000 (approximately).

Seats 160 (16 for SC, 5 for ST), Constituencies : 140 (120 SM, 20 DM).

Parties	Set up	Candidates for Seats			Uncontested Gains			Contested Wins			Elected			Valid Votes Polled	Forfeited Deposit
		Total	SC	ST	Total	SC	ST	Total	SC	ST	Total	SC	ST		
1. Congress	152*	156	16	5	7	2	3	75	14	2	82	16	5	1,288,832	11
2. Socialist	52	52	3	1	—	—	—	1	—	—	1	—	—	136,464	41
3. Kisan Mazdoor Praja Party	6	6	—	—	—	—	—	1	—	—	1	—	—	16,411	4
4. Jan Sangh	50	50	4	—	—	—	—	8	—	—	8	—	—	193,541	31
5. Communist Party of India	11	11	—	—	—	—	—	—	—	—	—	—	—	17,181	11
6. Scheduled Castes Federation	1	1	1	—	—	—	—	—	—	—	—	—	—	7,280	1
7. Ram Rajya Parishad	50	50	2	—	—	—	—	24	—	—	24	—	—	390,968	14
8. Krishikar Lok Party	46	46	3	—	—	—	—	7	—	—	7	—	—	270,807	19
9. Hindu Mahasabha	6	6	—	—	—	—	—	2	—	—	2	—	—	28,183	1
10. Forward Bloc (M)	1	1	—	—	—	—	—	—	—	—	—	—	—	1,331	1
11. Kisan Janta Sanyukt Party	6	6	—	—	—	—	—	—	—	—	—	—	—	7,164	6
12. Independents	22†	109	7	1	—	—	—	35	—	—	35	—	—	891,478	147
Total	618	—	—	—	7	2	3	153	14	2	160	16	5	3,258,640	287

* Four of these contested from two constituencies each. † One of these contested from two constituencies.

An estimate of party strength at present (March 1954) is as follows: Congress 93; Sanyukt-Dal 55; Independents 5, Itama Rajya Parishad 4; Communist 1; Kisan Sabha 1; Praja Socialist Party 1.

RAJASTHAN LEGISLATIVE ASSEMBLY *

Speaker : Narottam Lal Joshi.

Dy. Speaker : Lal Sinha Saktawat

Chhotu Singh (Con.), (Alwar); Kr. Tej Singh (Ram Rajya Parishad), (Amber (A)); Maharawal Sangram Singh (Sanyukt-dal), (Amber (B)); Chandra Kant Rao (Sanyukt-dal), (Arjun-Mangrol); Jaisingh Ranawat (Con.), (Arjun-Mangrol); Jagat Singh of Atru (Sanyukt-dal), (Atru); Jagat Singh Jhala (Sanyukt-dal), (Badi Sadri-Kapasin); Jai Chand (SC), (Con.), (Badi Sadri-Kapasin); Hari Ram Ninawa (ST), (Con.), (Bagdora (R)); Mukti Lal Modi (Con.), (Bawath); Laxman Singh (Ind.), (Bali); Bhairon Singh, Barkana (Sanyukt-dal), (Bali-Desru); Bishamber Nath Joshi (Con.), (Bandikru); Badri Prasad Gupta (Con.), (Bansur); Shrimati Yashoda Devi (P.S.P.), (Banswara); Dr. Mangal Singh (Con.), (Bari); Hansraj Jatia (SC), (Con.), (Bari (R)); Tan Singh (Ram Rajya Parishad), (Barmar (A)); Nathu Singh (Sanyukt-dal), (Barmar (B)); Madho Singh (Sanyukt-dal), (Barmar (C)); Sugan Chand Jain (Con.), (Begun); Ramji Lal Yadav (Con.), (Behror); Hans Raj Arya (Con.), (Bhadra); Hari Dutt (Sanyukt-dal), (Bharatpur); Mohabat Singh (Sanyukt-dal), (Bharvi); Tej Mal (Con.), (Bhilwara); Sangram Singh (Sanyukt-dal), (Bhim); Moti Chand Khazanchi (Con.), (Bikaner City); Jaswant Singh (Sanyukt-dal), (Bikner Tehsil); Santoon Singh Kachhawaha (Sanyukt-dal), (Bilara); Chhitar Lal Sharma (Sanyukt-dal), (Bundi); Ved Pal Tyagi (Con.), (Chabra); Hat Lal Singh (Con.), (Chirawa); Partab Singh (Sanyukt-dal), (Chitor); Chaudhary Kumbha Ram (Con.), (Churu); Prabhu Dayal (SC), (Con.), (Churu (R)); Bharon Singh (Sanyukt-dal), (Dantarampur); Srigopal Bhargava (Con.), (Dholpur); Mathura Das (Con.), (Didwana); Moti Lal (Con.), (Didwana-Parbatpur); Hari Deo Joshi (Con.), (Dungarpur); Somawala Bhil (ST), (Con.), (Dungarpur (R)); Moti Ram (Con.), (Ganganagar); Dhulji Bhal Bhavsar (Con.), (Ghatol); Lal Sinha Saktawat (Sanyukt-dal), (Girwa); Rishi Chand (Con.), (Hindavan); Chhanga (SC), (Con.), (Hindavan (R)); Sajjan Singh (Sanyukt-dal), (Hindoli); Ram Dayal (Con.), (Jahazpur); Shah Alimuddin (Con.), (Jaipur City (A)); Ram Kishore Vyas (Con.), (Jaipur City (B)); Gulab Chand Kasliwal (Con.), (Jaipur City (C)); Narayan Chaturvedi (Con.), (Jaipur-Chakur); Hari Shanker Sidhant Shastri (SC), (Con.), (Jaipur-Chakur (R)); Mohan Singh Bhati (Sanyukt-dal), (Jaitaran East-Sojat East); Hanwant Singh (Sanyukt-dal), (Jaisalmer); Umed Singh (Sanyukt-dal), (Jaitaran	North-West; Madho Singh (Ind.), (Jalore (A)); Hari Singh (Sanyukt-dal), (Jalore (B)); Man Singh (Ram Rajya Parishad), (Jamnara-Ramgarh); Chatter Singh (Sanyukt-dal), (Jaswantpur); Ganpat Singh (Sanyukt-dal), (Jaswantpur-Sanchore); Bhagwan Singh Tarang (Con.), (Jhalrapatan); Madho Lal Mehar (SC), (Con.), (Jhalrapatan (R)); Narottam Lal (Con.), (Jhunjhunu); Dwarikadas Purohit (Con.), (Jodhpur City (A)); Hari Krishna Vyas (Communist), (Jodhpur City (B)); Mangal Singh Kachhawaha (Sanyukt-dal), (Jodhpur Tehsil North); Narsingh Kachhawaha (Con.), (Jodhpur Tehsil South); Mohammad Ibrahim (Con.), (Kaman); Raj Kumar Brijendra Pal (Sanyukt-dal), (Karauli); Sheo Dan Singh (Sanyukt-dal), (Khamnor); Jujhar Singh (Sanyukt-dal), (Khanpur); Thakur Raghubir Singh (Sanyukt-dal), (Khetri); Mahadev Prasad (SC), (Con.), (Khetri (R)); Vijal Singh (Sanyukt-dal), (Khumbalgarh); Raghubir Singh (Sanyukt-dal), (Kishanganj); Jai Narain Vyas (Con.), (Kishanganj); Hazarilal Sharma** (Con.), (Kotputli); Raja Man Singh (Kisan Sabha), (Kunner); Bal Vir (Con.), (Lachmangarh); Narayan Lal (SC), (Con.), (Lachmangarh (R)); Bhola Nath (Con.), (Lachmangarh-Rajgarh); Sampat Ram (SC), (Unopposed) (Con.), (Lachmangarh-Rajgarh (R)); Dalip Singh (Con.), (Ladpura); Kanwar Lal Jella (Con.), (Ladpura (R)); Ram Karan Joshi (Con.), (Lalsote-Dausa); Ram Lal Banswal (SC), (Con.), (Lalsote-Dausa (R)); Udal Lal (Con.), (Lalsota); Tika Ram Paliwal (Con.), (Mahuva); Virendra Singh (Con.), (Malarna Chaur); Damedar Lal Vyas (Con.), (Malpura); Chuni Lal (Con.), (Mandal); Kesri Singh Bejolia (Sanyukt-dal), (Mandalgarh); Ghazi Ram Yadav (Con.), (Mandavara); Jayendra Singh (Sanyukt-dal), (Manohar Thana); Bhopal Singh (Sanyukt-dal), (Merta East); Nathu Ram (Con.), (Merta West); Shyam Lal (Con.), (Nadeti); Gopi Lal Yadav (Ind.), (Nagaur); Ram Niwas Maddha (Con.), (Nagaur East); Kesri Singh of Nagaur (Sanyukt-dal), (Nagaur West); Thakur Bhimsingh (Sanyukt-dal), (Natalgarh); Kishan Lal Shah (Con.), (Navan); Chaudhary Ladi Ram (Con.), (Neem-ka-Thana (A)); Rup Narain (Ram Rajya Parishad), (Neem-ka-Thana (B)); Kapil Deo (Con.), (Neemka-Thana (C)); Manphool Singh (Con.), (Nohar); Kan Singh (Sanyukt-dal),	(Nokha); Bishan Singh (Sanyukt-dal), (Pali-Sojat); Chand Mal (Con.), (Parbat-tesar); Badri Lal (Con.), (Partabpur-Nimbahera); Manna Bhil (ST), (Con.), (Parbat-tesar Nimbahera (R)); Kesri Singh (Sanyukt-dal), (Patana); Abani Kumar Mookerjee (Sanyukt-dal), (Phagn); Himmat Singh (Sanyukt-dal), (Phalawa); Tej Raj Singh (Sanyukt-dal), (Pipalda); Gurdayal Singh Sandhu (Con.), (Raisinghnagar-Karanpur); Dharan Pal (SC), (Con.), (Raisinghnagar-Karanpur (R)); Bhairon Singh (Sanyukt-dal), (Rajamanand-Retmagra); Anrit Lal Yadav (SC), (Con.), (Rajamanand-Retmagra (R)); Durlab Singh (Con.), (Ramgarh); Madhav Prasad N. Pandit (Con.), (Ratangarh); Shribhan Singh (Sanyukt-dal), (Roopbas); Bhanu Pratap Singh (Sanyukt-dal), (Roopnagar); Chaudhary Ram Chander (Con.), (Sadulgarh); Bhogil Lal Pandya (Con.), (Sagwara); Roshan Lal (Con.), (Savra); Deenbandu Parmar (ST), (Con.), (Savra (R)); Mohammad Abdul Hadi (Con.), (Sanchore); Lal Bahadur (Con.), (Sangod); Thakur Dharan Chander (Sanyukt-dal), (Sapotra); Sohan Lal (Con.), (Sarada-Salumber); Laxman Hirat (ST), (Con.), (Sarada-Salumber (R)); Chandan Mal Baid (Con.), (Sardarsahar); Shri Dass Goel (Con.), (Sawwa Madhopur); Sanbhu Singh (Sanyukt-dal), (Shahuda); Rajadhiraj Amar Singh (Sanyukt-dal), (Shahpura-Banera); Kastoor Chand (SC), (Con.), (Shahpura-Banera (R)); Arjun Singh (Ind.), (Sheoganj); Khet Singh (Ind.), (Shergarh); Ishwar Singh (Sanyukt-dal), (Sikar Tehsil); Radha Krishna (Con.), (Sikar Town); Triveni Shyam Sharma (Con.), (Sikar); Jawan Singh Solanki (Sanyukt-dal), (Sirohi); Brij Sunder Sharma (Con.), (Sironj); Mota Ram (Sanyukt-dal), (Sirana); Keshari Singh of Sojat (Sanyukt-dal), (Sojat); Bhairon Singh (Sanyukt-dal), (Sojat Desru); Pratap Singh (Sanyukt-dal), (Suwanagar); Bhawan Sahai Sharma (Con.), (Thanagazi); Rao Raja Sardar Singh (Sanyukt-dal), (Uniar); Ghazi Ram (Con.), (Tijara); Ram Ratan (Con.), (Tonk); Lalu Ram (SC), (Con.), (Tonk (R)); Devi Singh (Sanyukt-dal), (Udaipur); Mohan Lal Sukhadia (Con.), (Udaipur City); R. S. Dilip Singh (Sanyukt-dal), (Unthala); Ghil Singh Katala (Con.), (Weir); Tej Pal (SC), (Con.), (Weir (R)).
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Abbreviations : Con.—Congress; Soc.—Socialist; Ind.—Independent.

* 19 Jagirdar members of the Opposition have joined the Congress Legislative Party.

** Void.

SAURASHTRA ASSEMBLY GENERAL ELECTIONS

Population : 4,137,359 (1951 final).

Electorate : 1,806,997.

Seats : 60 (4 for SC, 1 for ST) ; Constituencies : 55 (50 SM, 5 DM)

Parties	Candidates				Uncontested Gains			Contested Wins			Elected			Valid Votes Polled	Forfeited Deposit
	Set up	for Seats			Total	SC	ST	Total	SC	ST	Total	SC	ST		
1. Congress	59	59	3	1	2	—	1	53	3	—	55	3	1	608,572	—
2. Socialist	28	28	2	—	1	1	—	1	—	—	2	1	—	34,799	25
3. Kisan Mazdoor Praja Party	16	15	—	—	—	—	—	—	—	—	—	—	—	30,343	11
4. Jan Sangh	3	3	—	—	—	—	—	—	—	—	—	—	—	4,346	2
5. Communist Party of India	3	3	—	—	—	—	—	—	—	—	—	—	—	7,791	1
6. S.C.F.	3	3	3	—	—	—	—	—	—	—	—	—	—	4,977	3
7. Hindu Mahasabha	25	25	1	—	—	—	—	—	—	—	—	—	—	43,043	21
8. Ram Raiya Parishad	1	1	—	—	—	—	—	—	—	—	—	—	—	3,660	—
9. Forward Bloc (M)	1	1	—	—	—	—	—	—	—	—	—	—	—	1,621	—
10. Khedut Sangh	35	34	2	—	—	—	—	1	—	—	1	—	—	138,013	10
11. Independents	51	30	—	—	—	—	—	2	—	—	2	—	—	76,600	42
Total	225	—	—	—	3	1	1	57	3	—	60	4	1	953,765	115

SAURASHTRA LEGISLATIVE ASSEMBLY

Speaker : Maganlal B Joshi.

Dy. Speaker : Premchand M Shah.

Gajanan Bhavanishankar Joshi (Con.), (Babra); Keshavji Arjan Patel (Con.), (Bhanrad-Jamjodhpur); Vrajilal Gokaldas Vora (Con.), (Bhavnagar City (East)); Ajitral Maushankar Oza (Con.), (Bhavnagar City (West)); Karsan Jeram Kanbi (Con.), (Bhavnagar-Dasroi-Sihor); Bhupatbhai Vrajilal Desai (Con.), (Dasada-Lakhtar); Vajubhai Mandilal Shah (Con.), (Dhura); Manaharlal Mansukhlal Shah (Con.), (Dhura); Hansraj Jivandas Vaghani (Con.), (Dhrol-Jodiya); Govindji Keshavji Patel (Con.), (Gondal-Kunkaran); Haribhai Ranabhai Bhaskar (SC), (Con.), (Gondal-Kunkaran (R)); Lakhshankar Mananlal Shukla (Con.), (Halvad-Mul); Kanubhai Jivanlal Laheri (Con.), (Jafra-Rajula); Ratanshi Bhanji Hasan Hamirka (Jamnagar City (East), Pulchand Purushottam Tamboli (Jamnagar City (West)); Maganlal Bhagwanji Joshi (Con.), (Jamnagar Taluka); Prabhagiri Gulabgiri Gonsal (Con.), (Jasdan); Babubhai Pranjan Valdia (Con.), (Jetpur); Parmanandas Jivanlal Kathrecha (Con.), (Junagadh-Rhesan); Chittaranjan Ragnath Raja (Con.), (Junagadh

City); Kalyanji Harji Vasant (Con.), (Kalyanpur); Bhimji Rudabhai Changela (Con.), (Kandorna-Bhayavadar); Ratubhai Mulshanker Adani (Con.), (Keshod); Chandrasinhji Dipsinhji Jadeja (Ind.), (Kulavadi-Dhrol); Harilal Ramji Nakum (Con.), (Khambhalia); Anulakhrai Kushalchand Khimani (Con.), (Kundla); Daya-shanker Trikamji Dave (Con.), (Kutyana-Ranavav); Lamba Jasmal Savani (Con.), (Lathi); Mohan Dharmsi Vaghani (Khedut Sangh), (Loliya); Acharya Lakhshankar Devshanker (Con.), (Limbdi-Lakhtar); Ghanashyamal Chhotalal Oza (Con.), (Limbdi-Wadhwan); Hamir Jiva Vankar (SC) (Con.), (Limbdi-Wadhwan (R)); Jadavji Keshavji Modi (Con.), (Mahuva Taluka); Jasvantrai Nanobhai Mehta (Soc.), (Mahuva Town); Kanji Kachara Mori (Con.), (Maha (Haina) Mendarda); Shrimati Jaya Vajubhai Shah (Con.), (Mangrol); Rajendra Ragnath Raya (Con.), (More-Maha); Abdulla Hamir Kajeida (ST), (Con.), (More-Maha (R)); Balkrishna Dinnamal Shanker Shukla (Con.), (Paddhari-Lodhika-Kolda-Sangan); Jorish Kasalsing Indram (Con.), (Patana-Chok); Motilal Gordhandas Joshi (Con.), (Patana-Veraval

Taluka); Mathuradas Gordhandas Bhupta (Con.), (Porbandar City); Maldevji M. Odedra (Con.), (Porbandar Taluka); Chimanlal Nagardas Shah (Con.), (Rajkot City (North)); Girdarlal Bhavanbhai Kotak (Con.), (Rajkot City (South)); Kurji Jadavji Vekaria (Con.), (Rajkot Taluka); Rasiklal U. Parikh (Con.), (Sayla-Chotila); Chhaganlal Laljibhai Gopani (Con.), (Songadh-Umralla); Prabhudas Ramjibhai Mehta (Ind.), (Talaja-Daha); Hamir Sarman Solanki (Con.), (Talaja); Surabhai Kalubhai Varu (Con.), (Una); Uchirangrai Navalshanker Dhebar (Con.), (Upleta); Premchand Maganlal Shah (Con.), (Vallabhipur-Gadhada); Kanji Savji Revar (SC), (Con.), (Vallabhipur-Gadhada (R)); Ramji Parbat Vikani (Con.), (Vanthali-Makanadar-Bantwa); Jivraj Vishram Gohel (SC), (Con.), (Vanthali-Manavadar-Bantwa (R)); Shrimati Pushaben Janardan Mehta (Con.), (Veraval Town); Narshi Velji Borad (Con.), (Veraval); Shantilal Rajpal Shah (Con.), (Wankar).

Abbreviations : Con.—Congress ; Ind — Independent ; Soc.—Socialist ; S.C.—Scheduled Caste ; S T.—Scheduled Tribe.

TRAVANCORE-COCHIN FIRST ASSEMBLY GENERAL ELECTIONS

Population : 9,280,425 (1951 final).

Electorate : 4,200,000 (Approx.).

Seats : 108 (11 for SC) ; Constituencies : 97 (86 SM, 11 DM)

Parties	Candidates			Uncontested Gains		Contested Wins		Elected		Valid Votes Polled	Forfeited Deposit
	Set up	Total	SC	Total	SC	Total	SC	Total	SC		
1. Congress	104	104	10	3	1	40	5	43	6	1,189,837	9
2. Socialist	70	70	6	1	—	10	2	11	2	487,176	32
3. Revolutionary Socialist Party	11	11	—	—	—	6	—	6	—	118,333	2
4. Travancore Tamil Nad Congress	15	15	3	—	—	8	1	8	1	192,118	1
5. Tamil Nad Congress	10	10	2	—	—	—	—	—	—	47,054	6
6. Tamil Nad People's Front	2	2	—	—	—	—	—	—	—	4,025	2
7. Kerala Socialist Party	10	10	—	—	—	1	—	1	—	73,987	1
8. Cochin Party	12	12	1	—	—	1	1	1	1	59,535	5
9. Travancore-Cochin Republican Praja Party	7	7	—	—	—	—	—	—	—	53,052	2
10. Independents	200	92	8	—	—	38	1	38	1	1,169,552	121
Total	441	—	—	4	1	104	10	108	11	3,394,668	181

The Congress, polled 35.3 per cent. of the total votes cast.

Only about 34 per cent. of the successful candidates polled 50 per cent. or more of the votes cast. The average number of votes per candidate and the average number per elected candidate were 11,696 and 15,108, respectively.

The Left Front (Communist, Kerala Socialist Party and Revolutionary Socialist Party) won 21.4 per cent. of the total votes cast. Fifty per cent. of the successful candidates won by an absolute majority. The average number of votes per candidate and the average number per elected candidate were 12,491 and 15,388, respectively.

The Socialists won 14.1 per cent. of the total votes cast. The average number of votes per candidate and the average per elected candidate

was 6,897 and 15,673, respectively. Thirty-six per cent. of the elected candidates won by an absolute majority.

Independents polled 18.3 per cent. of the total votes cast. On an average, an Independent polled 3,913 votes, the average number per elected candidate being 13,142. Twenty-seven per cent. of the elected candidates won by an absolute majority.

The Travancore-Tamil Nad polled 5.9 per cent. of the total votes cast. Fifty per cent. of the elected candidates won by an absolute majority. The average number of votes per candidate was 13,421 and the average per elected candidate was 17,600.

The Cochin Party polled 2.9 per cent. of the total votes cast.

The Republican Praja Party, the Tamil Nad Congress, the Tamil Nad People's Front and the Independent South Party together polled 2.8 per cent. of the total votes cast.

There was a straight fight only in 12 constituencies and in the rest the number of candidates ranged from three to ten. The largest majority of about 25,000 was scored by a Left Front candidate over a Congressman and the narrowest of 140 was won by an Independent over a Left Front candidate.

Only in two constituencies was the poll less than 50 per cent. The poll in one constituency was 88 per cent. and in 58 constituencies the poll was more than 70 per cent. The average poll for all the constituencies was 80 per cent.

TRAVANCORE-COCHIN LEGISLATIVE ASSEMBLY

A second general election took place early in 1954. Seats: 117; Electorate: 4,410,958. Votes polled: 3,906,415.

	Seats Contested	Seats Won	Total Votes
Congress	115	46	17,62,992
P. S. P.	38	19	6,31,622
Communists	36	23	6,52,613
R. S. P.	12	9	2,12,354
T.T.N.C.	16	12	2,37,408
Jan Sangh	1	Nil	403
Independents	43	9	3,91,615

Total votes polled include 17,408 invalid votes.

The nine Independents include three K.S.P. candidates and five supported by C.F.I.

Votes polled by Independents are the total polled by 47 candidates.

MEMBERS

Speaker, V. Gangadharan; Dy. Speaker, D. Damodaran Pottl.

P. Thanulunga Nadar (T.T.N.C.), (*Agasteeswaran*); K. P. Gopala Menon (Comm.), (*Alangad*); T. V. Thomas (Comm.), (*Alleppey*); K. C. George (Comm.), (*Alleppey I*); T. O. Bava (Comm.), (*Alwaye*); P. Narayanan Pottl (R.S.P.), (*Ambalapuzha*); Aviratharakan (Ind.), (*Aroor*); B. Prakasam (Comm.), (*Attingal*); T. Bhaskaran Pillai (Comm.), (*Bharanikkavu, General*); B. Kuttappan (Comm.), (*Bharanikkavu, Reserved*); V. Gangadharan (P.S.P.), (*Chadayamangalam*); Panampalli Govinda Menon (Comm.), (*Chalakkudi*); N. Parameswaran Pillai (Comm.), (*Chengannur*); Baby John (R.S.P.), (*Chavara*); C. K. Ramachandran Nair (P.S.P.), (*Chengannur, General*); P. K. Kunjachen (Comm.), (*Chengannur, Reserved*); Joseph Mundasery (Ind.), (*Cherpu*); U. Neelakantan (Ind.-U.F.L.), (*Chirayinkil*); Dr. A. R. Menon (Comm.), (*Chittur*); T. T. Daniel (T.T.N.C.), (*Colachel*); Abdul Kadir (Comm.), (*Cranganur*); Seshadrinatha Sarma (T.T.N.C.), (*Devicoolan, General*); Thankiah (T.T.N.C.), (*Devicoolan, Reserved*); M. P. Menon (Ind.), (*Elankulam*); Sukumaran (Comm.), (*Eravipuram, General*); Chandrasekharan (R.S.P.), (*Eravipuram, Reserved*); O. R. Chunar (Comm.), (*Ernakulam*); V. V. Sabastin (Comm.), (*Ezhumannur*); T. M. Verghese (Comm.), (*Ezhumannur*); K. K. Balakrishnan (Comm.), (*Irinjalakuda, General*); P. K. Chathan (Comm.), (*Irinjalakuda,*

Reserved); Parameswaram Namboothiri (P.S.P.), (*Kadapara*); K. M. George (Comm.), (*Kaduthuruthy, General*); T. T. Kesavan Shastri (Comm.), (*Kaduthuruthy, Reserved*); M. Mathal (Comm.), (*Kalloopara*); Dr. N. Kumaran (Comm.), (*Kanayannur*); Thomas Thomas (Comm.), (*Kanjirapally*); R. Balakrishna Pillai (Comm.), (*Karakulam*); A. Achuthan (P.S.P.), (*Karthikapally*); A. A. Bahim (Comm.), (*Karunagapally*); D. Damodaran Pottl (P.S.P.), (*Kodakara*); A. M. Simon (T.T.N.C.), (*Kollengode*); M. A. Anthony (Comm.), (*Kothakulangara*); Manchanatha Prabhu (P.S.P.), (*Kothamangalam*); B. B. Pandarathil (R.S.P.), (*Kottarakara*); P. Bhaskaran Nair (Comm.), (*Kottayam*); D. Vivekanandan (Ind.), (*Kottukal*); P. K. Kunju (P.S.P.), (*Krishnapuram*); C. A. Mathew (Comm.), (*Kumaramangalam*); T. K. Krishnan (Comm.), (*Kunnankulam*); K. M. Chacko (Comm.), (*Kunnathnad, General*); K. Kochukuttan (Comm.), (*Kunnathnad, Reserved*); K. Krishna Pillai (P.S.P.), (*Kunnathukal*); P. B. Madhavan Pillai (Comm.), (*Kunnathur, General*); K. A. Krishna Shastri (R.S.P.), (*Kunnathur, Reserved*); P. J. Sebastian (Comm.), (*Kurichi*); K. Karunakaran (Comm.), (*Manalur*); K. Kora (Comm.), (*Manimala*); R. Sugathan (Comm.), (*Mararikulam*); Dr. J. A. Bhatt (Comm.),

(*Mattancherry*); R. Sankaranarayanan Thampil (Comm.), (*Mavelikara*); K. M. Chandy (Comm.), (*Meenachil*); M. V. Cherlyan (Comm.), (*Moovattupuzha*); D. Anantharaman (T.T.N.C.), (*Nagercoil*); K. C. Abraham (Comm.), (*Narakkal*); Neelakantan Pandarathil (Comm.), (*Nedunangad*); A. Chidambaraman Nadar (T.T.N.C.), (*Neendakara*); K. A. Sivarama Bharathi (P.S.P.), (*Nemmara*); P. Viswam Aran (P.S.P.), (*Nemom*); M. Bhaskaran Nair (Comm.), (*Neyyattinkara*); P. R. Krishnan (Comm.), (*Oltur*); N. G. Chacko (Comm.), (*Omallur*); Noor Mohamed (T.T.N.C.), (*Padmanabhapuram*); V. J. Joseph (Comm.), (*Pallivasal*); Alexander Parambithara (Comm.), (*Palluruthy*); N. Chandrasekharan Nair (P.S.P.), (*Palode*); R. Kunjan Nadar (T.T.N.C.), (*Parassala*); P. Ravindran (Comm.), (*Paravoor*); K. A. Balan (Comm.), (*Parur*); Kalathil Velayudhan Nair (Comm.), (*Pathanapuram*); P. S. Vasudevan Pillai (Comm.), (*Pathanamthitta*); Yesodharan (R.S.P.), (*Pathiyoor*); K. P. Urnese (Comm.), (*Perumbavoor*); A. J. John (Comm.), (*Poomayur*); R. Gopalan (Ind.), (*Punalur*); T. P. Seetharam Ayyar (Comm.), (*Puthukad*); Dr. P. T. Thomas (Comm.), (*Puthupalli*); T. K. Divakaran (R.S.P.), (*Quilon*); Joseph Chazhikad (Ind.), (*Ramapuram*); Viala Edicula (P.S.P.), (*Ranni*); K. Sattanatha Karyalar (Ind.), (*Shencottah*); Miss K. R. Gowri (Comm.), (*Shertalai*); Narayana Kurup (Comm.), (*Thakazhi*); P. Ramaswamy Pillai (T.T.N.C.), (*Thiruvattar*); Chandrasekharan Pillai (Comm.), (*Thiruvella*); A. C. Chacko (Comm.), (*Thodupuzha*); T. S. Ramaswami Pillai (P.S.P.), (*Thovalai*); Dr. P. P. Anthony (Comm.), (*Trichur*); Prakkulan Bhasi (R.S.P.), (*Trikkadavoor*); P. S. Nataraja Pillai (P.S.P.), (*Trivandrum*); Pattom Thanu Pillai (P.S.P.), (*Trivandrum*); K. Balakrishnan (R.S.P.), (*Trivandrum III*); C. G. Sadasivan (Comm.), (*Turavoor*); V. Sreedharan (Comm.), (*Uloor, General*); P. Kunjan (P.S.P.), (*Uloor, Reserved*); V. K. Achutha Menon (Comm.), (*Vadakkancherry, General*); C. C. Ayyappan (Comm.), (*Vadakkancherry, Reserved*); C. K. Viswanathan (Comm.), (*Vaskom*); K. Narayana Kurup (R.S.P.), (*Vazhoor*); P. Markose (Comm.), (*Vijayapuram*); M. William (T.T.N.C.), (*Vilavancode*); K. I. Velayudhan (Comm.), (*Vizyur*).

AJMER ASSEMBLY GENERAL ELECTIONS

Population: 693,372 (1951 final).

Electorate: 329,489.

Constituencies: 24 (18 SM, 6 DM). Seats: 30 (SC 6).

Parties	Candidates			Uncontested Gains		Contested Wins		Elected		Valid Votes Polled	Forfeited Deposit
	Set up	for Seats		Total	SC	Total	SC	Total	SC		
		Total	SC								
1. Congress	29	29	6	—	—	20	5	20	5	101,441	—
2. Socialist	3	3	—	—	—	—	—	—	—	1,094	3
3. Jan Sangh	16	16	2	—	—	3	—	3	—	28,612	5
4. Communist Party of India	2	2	—	—	—	—	—	—	—	3,494	—
5. Purnaharhi Panchayat	6	6	1	—	—	3	1	3	1	15,781	2
6. Independents	78	29	5	—	—	4	—	4	—	84,366	56
Total	134	—	—	—	—	30	6	30	6	234,788	66

An estimate of party strength at present (March 1954) is as follows: Congress 23; Opposition 7.

AJMER LEGISLATIVE ASSEMBLY

Speaker : Bhagirath Singh.

Dy. Speaker : Ramesh Chandra Bhargava.

Arjundas (P.P.), (Ajmer-I (South-West)); Parasaram (SC) (Con.), (Ajmer-I (South-West)); Bal Krishna Kaul (Con.), (Ajmer-II (East)); Harjit Lal (SC) (Con.), (Ajmer-II (East) (R)); Ramesh Chandra Bhargava (Con.), (Ajmer-III (Kalabagh)); Bhiman Dass (Con.), (Ajmer-IV (Town Hall)); Amba Lal (J.S.), (Ajmer-V (Naya Bazar)); Syed Abbas Ali (Con.), (Ajmer-VI (Dhat-Din-Ka-Jhonpra)); Kalyan Singh (J.S.), (Bhinai); Brij Mohan Lal Sharma (Con.), (Bheerwar Cūy

North; Jagan Nath Sharma (Con.), (Bheerwar Cūy South); Chhagan Lal Gena (Con.), (Drolia Kalan); Himmat Ali (Con.), (Derathu); Madan Singh (Con.), (Gagwana); Chhiman Singh (Con.), (Jawaya); Bhagirath Singh (Con.), (Jethana); Hazaro (Con.), (Jethana (R)); Jethmal (Con.), (Kekri); Sewa Das (SC) (Con.), (Kekri (R)); Narain Singh (Ind.), (Masuda); Surya Mal Maurya (SC) (Con.), (Masuda (R)); Mahendra Singh (Ind.), (Nasirabad); Laxmi Narayan (SC) (Con.), (Nasirabad (R)); Ganpati Singh (J.S.) (Nayargar); Shiv Narain Singh (Con.), (Pushkar North); Jal Narain (Con.), (Pushkar South); Laxman Singh (Ind.), (Sawar); Wali Mohammad (Con.), (Shamgar); Hari Bhan Upadhyaya (Con.), (Srinagar); Prem Singh (Con.), (Todgarh).

Abbreviations : Con.—Congress; Ind.—Independent; J.S.—Jan Sangh; P.P.—Pursharthi Panchayat; SC—Scheduled Castes; R.—Reserved.

BHOPAL ASSEMBLY GENERAL ELECTIONS

Population : 836,474 (1951 final).

Electorate : 419,976

Seats : 30 (5 for SC, 2 for ST); Constituencies : 23 (16 SM, 7 DM).

Parties	Candidates				Uncontested Gains			Contested Wins			Elected			Valid Votes Polled	Forfeited Deposit
	Set up	For seats			Total	SC	ST	Total	SC	ST	Total	SC	ST		
1. Congress	28	28	5	1	1	—	—	24	5	—	25	5	—	117,566	—
2. Socialist	2	2	—	—	—	—	—	—	—	—	—	—	—	1,744	1
3. Hindu Mahasabha ..	9	9	2	—	—	—	—	1	—	—	1	—	—	31,684	—
4. Jan Sangh	9	9	—	—	—	—	—	—	—	—	—	—	—	11,245	6
5. Communist Party of India	1	1	—	—	—	—	—	—	—	—	—	—	—	424	1
6. Scheduled Castes Federation	2	2	2	—	—	—	—	—	—	—	—	—	—	4,896	1
7. Ram Rastya Parishad ..	1	1	—	—	—	—	—	—	—	—	—	—	—	479	1
8. Kisan Mazdoor Mandal	12	12	—	1	—	—	—	—	—	—	—	—	—	13,549	8
9. Independents	27	18	1	2	—	—	—	4	—	2	4	—	2	44,603	14
Total	91	82	10	4	1	—	—	29	5	2	30	5	2	226,190	32

BHOPAL LEGISLATIVE ASSEMBLY

Speaker : Sultan Mohammed Khan.

Dy. Speaker : Lachmi Narain Agarwal.

Narbada Charan La Saxena (Con.), (Amraod); Chandan Mal Banwat (Con.), (Ashla); Gopi Das Goll (SC) (Con.), (Ashla (R)); Kumari Lila Rai (Con.), (Bairagarh); Babu Lal Bhartiya (SC) (Con.), (Bairagarh (R)); Shyam Sundar (Con.), (Bareilly); Kundan Lal (Con.), (Begumgarh); Dr. Shankar Dayal Sharma (Con.), (Berasia); Ram Karan Lal (Con.), (Deori); Gulab Chand (Ind.), (Goharganj); Dulip Singh (ST) (Ind.), (Goharganj (R)); Seth Sardarimal Lalwani (Ind.),

(Huzar); Keshrimal Jain (Con.), (Ichhawar); Inayatullah Sahib Tazi Masturiqi (Con.), (Jahan-girabad); Shrimati Maimona Sultana (Con.), (Kotri); Banshidhar Parashar (Con.), (Nasrullaganj); Shankar Dayal Saxena (H.M.), (Nasrabad); Kamta Prashad (Con.), (Raisen); Baboolal Charwarra (SC) (Con.), (Raisen (R)); Umrao Singh (SC) (Con.), (Sehore (R)); Jalaluddin Qureshi (Ind.), (Shahjehanabad); Ajazuddin (Con.), (Shahmahal); Babu Lal Agarwal (Con.), (Shyampur); Harikishan Singh (SC) (Con.), (Shyampur (R)); Lila Dhar Rathil (Con.), (Silwani); Raja Daulat Singh (ST) (Ind.), (Silwani (R)); Babou Lal Kamal (P.S.P.), (Sultanagar); Nitya Gopal (Con.), (Udaipura).

Abbreviations : Con.—Congress; Ind.—Independent; H.M.—Hindu Mahasabha; ST—Scheduled Tribe; S.C.—Scheduled Caste; P.S.P.—Praja Socialist Party.

COORG ASSEMBLY GENERAL ELECTIONS

Population : 229,405 (1951 final).

Electorate : 94,593.

Seats : 24 (3 for SC, 3 for ST); Constituencies 18 (12 SM, 6 DM).

Parties	Candidates				Uncontested Gains			Contested Wins			Total Elected			Valid Votes Polled	Forfeited Deposit
	Set up	For seats			Total	SC	ST	Total	SC	ST	Total	SC	ST		
1. Congress	24	24	3	3	—	—	—	15	2	2	15	2	2	48,845	—
2. Independents	31	24	3	3	—	—	—	9	1	1	9	1	1	37,640	11
3. C.P.I.	2	2	—	—	—	—	—	—	—	—	—	—	—	1,386	1
Total	60	—	—	—	—	—	—	24	3	3	24	3	3	87,871	12

COORG LEGISLATIVE ASSEMBLY

Speaker : B. S. Kushalappa.

Dy. Speaker : K. M. Devaya

P. I. Bellappa (Ind.), (Ammathi); Cheputra Poonacha (Con.), (Bellathnad); Korana Devayya (Con.), (Bhagamandla); G. Lingarajayya (Con.), (Fraserpet); Kakamada Ganapathi (Ind.), (Hudikeri); P. D. Subayya (Con.), (Mercara Nad); B. S. Kushalappa (Con.), (Mercara Town); Chowrira Mandanna (Con.), (Murnad); A. C. Thimayya (Ind.), (Napoklu); Puthamane Nana-

mayya (Con.), (Ponnampet Nad); Yeravara Belli (ST), (Con.), (Ponnampet Nad); K. Mallappa (Con.), (Sanivarsanthe); P. K. Chennayya (SC), (Con.), (Sanivarsanthe (R)); Muruvanda Machayya (Con.), (Siddapur); Bettakurubara Kala (ST), (Con.), (Siddapur (R)); C. K. Kalappa (Con.), (Somwarpet North); H. T. Muthanna

(Ind.), (Somwarpet South); Kolera Karumbayya (Ind.), (Srimangala); G. Subayya (ST), (Ind.), (Srimangala (R)); G. M. Manjunathayya (Con.), (Sunticoppa); P. Lakkaya (SC), (Con.), (Sunticoppa (R)); P. C. Uthayya (Ind.), (Virajpet Nad); Harijan Nanja (SC), (Ind.), (Virajpet (R)); N. G. Ahamed (Ind.), (Virajpet Town).

D ELHI ASSEMBLY GENERAL ELECTIONS

Population : 1,744,072 (1951 final).

Electorate : 743,060 (Approx.).

Constituencies : 42 (36 SM, 6 DM) Seats : 48 (SC 6).

Parties	Candidates			Uncontested Gains		Contested Wins		Elected		Valid Votes Polled	Forfeited Deposit
	Set up	For Seats		Total	SC	Total	SC	Total	SC		
		Total	SC								
1. Congress	47	47	5	—	—	39	5	39	5	271,822	—
2. Socialist	6	6	—	—	—	2	—	2	—	12,396	3
3. Kisan Mazdoor Praja Party	7	7	—	—	—	—	—	—	—	13,640	3
4. Jan Sangh	29	29	—	—	—	3	—	3	—	110,072	4
5. Ram Rajya Parishad	4	4	—	—	—	—	—	—	—	849	4
6. Hindu Mahasabha	5	5	—	—	—	1	—	1	—	6,891	4
7. Scheduled Castes Federation	5	5	4	—	—	—	—	—	—	15,592	3
8. Revolutionary Socialist Party	1	1	—	—	—	—	—	—	—	307	1
9. Forward Bloc (M)	2	2	—	—	—	—	—	—	—	503	2
10. Communist Party of India	1	1	—	—	—	—	—	—	—	2,591	1
11. Independents	80	37	3	1	1	2	—	3	1	87,107	63
Total	187	—	—	1	1	47	5	48	6	521,776	88

DELHI LEGISLATIVE ASSEMBLY

Speaker : Gurmukh Nihal Singh.

Dy. Speaker : Gopi Nath

Harichand (J.S.), (Ajmeri Gate); Mangal Dass* (Con.), (Arya Pura); Sultan Yar Khan (Con.), (Ballimaran); Yudhvir Singh (Con.), (Chandni Chowk); Nur-ul-din Ahmad (Con.), (Chawri Bazar); Kartar Singh (Con.), (Chittar Gupta); Hukam Singh (Con.), (Chandrawal); Shrimati Krishna (Con.), (Civil Lines); Gurmukh Nihal Singh (Con.), (Darya Gang); Raghvendra Singh (Con.), (Delhi Cantt.); Shyam Charan (J.S.), (Deputy Gang); Subedar Hati Singh (Con.), (Isapur); Girdhari Lal Salwan (Ind.), (Jhandewalan); Bhoop Singh (Con.), (Khanjhaul); Bhagwan Dass (Con.), (Kashmere Gate); Jang Bahadur Singh (Ind.), (Kingsway Camp); Jag Parvesh Chandra (Con.), (Kisan Gang-Anand Parbat); Shrimati Shanta Vasleht (Con.), (Kolla Feroz Shah); Mustaq

Ahmad (P.S.P.), (Kucha Chelan); Shiv Nandan Rishi (Con.), (Lodhi Road); Anand Raj (Con.), (Malwara); B. D. Joshi (P.S.P.), (Manakpura); Mustaq Rai (Con.), (Mantola); Sukh Dev (Con.), (Mehrauli); Mitter Sain (SC) (Con.), (Mehrauli (R)); Dilawar Singh (J.S.), (Nawala); Brahm Parkash (Con.), (Nangla); Mangey Ram (Con.), (Narela); Prabhu Dayal (SC) (Con.), (Narela (R)); Ajit Singh (Con.), (Najafgarh); Hem Chand Jain (Con.), (Pahari Dhiraj-Basti Julahan); Sheo Nath (SC) (J.S.), (Pahari Dhiraj-Basti Julahan (R)); Khushaleshwar Prasad Shankar (Con.), (Parliament Street); Har Kishan Lal (Con.), (Phatak Habash Khan); Shrimati Pushpa Devi (Con.), (Purana Qila Vinay Nagar); Shankar Lal (Con.), (Ram Nagar); Prafulla Ranjan Chakravarty (Con.),

(Reading Road); Atam Chand (SC) (Con.), (Reading Road (R)); Dr. Sushila Nayar (Con.), (Rohgarhpura-Den Nagar); Daya Ram (SC), (Con.), (Rohgarhpura-Den Nagar (R)); Jagan Nath* (Con.), (Roshanara); Daljit Singh (Con.), (Safdar Jang); Chintamani (Con.), (Shahdara); Shiv Charan Das (Con.), (Sitaran Bazar-Turkman Gate); Sudershan Singh (SC) (Con.), (Sitaran Bazar-Turkman Gate (R)); Ram Singh (H.M.), (Tibbia College); Gopi Nath (Con.), (Tokrivalan); Fatchi Singh (Con.), (Wazirabad).

Abbreviations : Con.—Congress; P.S.P.—Praja Socialist Party; Ind.—Independent; H.M.—Hindu Mahasabha; J.S.—Jan Sangh; SC.—Scheduled Castes

HIMACHAL PRADESH ASSEMBLY GENERAL ELECTIONS

Population : 983,367 (1951 final)

Electorate : 516,000 (Approx.).

Constituencies : 28 (20 SM, 8 DM) Seats : 36 (SC 8).

Parties	Candidates			Uncontested Gains		Contested Wins		Elected		Valid Votes Polled	Forfeited Deposit
	Set up	For Seats		Total	SC	Total	SC	Total	SC		
		Total	SC ¹								
1. Congress	34	35	8	2	2	22	3	24	5	84,819	1
2. Kisan Mazdoor Praja Party	22	22	5	—	—	3	2	3	2	26,371	10
3. Scheduled Castes Federation	9	9	3	—	—	1	1	1	1	10,352	4
4. Jan Sangh	10	10	—	—	—	—	—	—	—	6,009	8
5. Socialist	5	5	1	—	—	—	—	—	—	2,664	4
6. Hindu Mahasabha	3	3	—	—	—	—	—	—	—	1,554	3
7. Independents	50	25	1	—	—	8	—	8	—	47,706	31
Total	133	—	—	2	2	34	6	36	8	179,475	61

* Election set aside.

HIMACHAL PRADESH LEGISLATIVE ASSEMBLY

An estimate puts the party strength now as follows: Congress 28, Himachal Democratic Front 5; Communists 2, Scheduled Castes Federation 1.

Speaker: Jaiwant Ram.

Dy. Speaker: Kishan Chandar

Sarju Singh (Con.), (Bhamla); Jaiwant Ram (Con.), (Bhatiyat); Gurditta Mall (Ind.), (Bharmaur); Kishan Chandar (Con.), (Chachiot); Pitu (Con.), (Chachiot (R)); Avtar Chand (Con.),

(Churah); Vidya Dhar (Con.), (Churah (R)); Chatter Singh (Con.), (Chamba); Gopal Chandra (Ind.), (Chini); Bala Nand (Con.), (Jubbal); Besar Ram (Con.), (Jogindarnagar); Hitenra Sen (Con.), (Kasumpt); Ram Dayal (Con.), (Kumarsain); Rattan Singh (Con.), (Karsog); Karam Singh (Con.), (Mahadev); Krishna Nand Swami (Ind.), (Mands Sadar); Tapindar Singh (Con.), (Nahan); Yashwant Singh Parmar (Con.), (Pachhad); Jiwanu (Con.), (Pachhad (R)); Shiva Nand (Con.), (Paonta); Daulat Ram (Con.), (Pangi); Padam Dev (Con.), (Rohru); Ghan Shyam (Con.), (Raigarh); Har-

dayal Singh (Con.), (Rampur); Bhagat Ram (Con.), (Rampur (R)); Gauri Parshad (Con.), (Rawalpur); Surat Singh (Con.), (Renka); Partap Singh (Con.), (Renka (R)); Hira Singh Pal (P.S.P.), (Solani); Ram Dass (P.S.P.), (Solani (R)); Sita Ram (Con.), (Suni); Baldev Chand (Con.), (Sundarnagar); Kashmir Singh (Comm.), (Sandhol); Hari Singh (Comm.), (Sandhol (R)); Devi Ram (Con.), (Theog); Jiwanoo (P.S.P.), (Theog (R)).

Abbreviations: Con.—Congress; Ind.—Independent; S.C.F.—Scheduled Castes Federation; Comm.—Communist

KUTCH ELECTORAL COLLEGE ELECTIONS

Population: 567,606.

Electorate: 288,400.

Seats: 30

Party position: Congress 28, Independents: 2

KUTCH ELECTORAL COLLEGE

Nansal Ramchand (Con.), (Adesar); Maneklal Nensi (Con.), (Adho); Purshotam Sami (Con.), (Anjar); Hetubha Ravaji (Con.), (Bha-shau); Khimji Jevat (Con.), (Bhadreswar); Jamiatray Gulabshanker (Con.), (Bhu); Maganlal Velji (Con.), (Bhujpur); Shivji Narsi (Con.), (Budada); Sarupchand Nyalchand (Con.), (Pateghat); Tha. Govindji Mavji (Con.), (Gadhisa); Durgarsi Parshottam Lohana (Con.), (Gandhidham);

Hirjibhai Ranchhodas Kotak (Con.), (Kera); Ra. Vakil Mulshanker Kunverji (Con.), (Khavda); Vanechand Dharamsi (Con.), (Kidi-nagar); Tha. Karandas Hirji (Con.), (Kothara); Mavji Ramji Joshi (Con.), (Lajia Mota); Motilal Lakhman Jain (Con.), (Lokadia); Kharashanker Jatashanker Joshi (Con.), (Lakhpai); Prenji Bhawanji Thacker (Con.), (Madhapar); Hariram Nathubhai Kothari (Ind.), (Mamda); Manharlal Mavji Kayesth (Con.), (Mankuva); Bra. Shiva Amarji Garunara (Con.), (Maska); K. S.

Jethusinghji Jadeja (Con.), (Mothala); Vaghji K. Solanki (Con.), (Mundra); Nathu Nanji (Con.), (Nakhatrana); Vishanji Kanji Lohana (Con.), (Naliya); Jugatram Dalpatram Brahmba (Con.), (Neta); Jadavji Mansang Lohana (Con.), (Rapar); Shivubha Morji Jadeja (Ind.), (Rafnal); Mansukh Khimkaran Barot (Con.), (Roha Sunri).

Abbreviations: Con.—Congress; Ind.—Independent; S.C.F.—Scheduled Castes Federation; Comm.—Communist

MANIPUR ELECTORAL COLLEGE GENERAL ELECTIONS

Population: 577,635 (1951 final)

Electorate: 298,452.

Seats: 30.

Constituencies: 30.

Parties	Candidates				Uncontested Gains			Contested Wins			Elected			Valid Votes Polled	Forfeited Deposit
	Set up	Total	SC	ST	Total	SC	ST	Total	SC	ST	Total	SC	ST		
1. Congress	22	22	—	—	1	—	—	9	—	—	10	—	—	37,448	2
2. Socialist	14	14	—	—	—	—	—	1	—	—	1	—	—	9,196	10
3. Praja Santhi Party	21	21	—	—	—	—	—	3	—	—	3	—	—	21,028	10
4. All Manipur National Union	12	12	—	—	1	—	—	2	—	—	2	—	—	12,450	6
5. Communist Party of India	6	6	—	—	—	—	—	2	—	—	2	—	—	5,298	4
6. Achumba Pamba Congress	7	7	—	—	—	—	—	2	—	—	2	—	—	8,075	4
7. Kuki National Association	7	7	—	—	—	—	—	2	—	—	2	—	—	10,072	1
8. Gandhi Sebak Sova	5	5	—	—	—	—	—	1	—	—	1	—	—	5,041	2
9. Manipur Zelenrong Union	2	2	—	—	—	—	—	2	—	—	2	—	—	5,786	—
10. Mao Maram Union	2	2	—	—	—	—	—	2	—	—	2	—	—	6,538	—
11. Mizo Union	2	2	—	—	—	—	—	1	—	—	1	—	—	4,142	—
12. Other State Parties*	4	4	—	—	—	—	—	—	—	—	—	—	—	6,155	1
13. Independents	8	8	—	—	—	—	—	1	—	—	1	—	—	8,105	5
Total	112	—	—	—	2	—	—	28	—	—	30	—	—	139,332	45

* Include Naga National League, Paite National Council, Historical Research Conference.

MANIPUR ELECTORAL COLLEGE

Athuibu (M.Z.U.), (Aimol); Marenbam Kol-reng Singh (Con.), (Bishenpur-Moirang); Sorokhaibam Chourjit Singh (P.S.P.), (Charangpat-Khomjom); Sumkhohen (K.N.A.), (Churachandpur); Kiangbam Nadi Singh (Con.), (Hijang-lam-Sugnu); Takhellambam Ibotombi Singh (C.P.I.), (Irinbung Yairipok); Sinam Bijoy Singh (Unopposed) (Con.), (Jiri); Pukhrambam Tomchow Singh (Con.), (Kakching-Wangjing); Yumnam Megho Singh (Con.), (Keisamihong); Shrimati Binodini Devi (A.M.N.U.), (Kharat); Ningthoujam Thonglen Singh (A.P.C.), (Kumbi-Thanga); Tomba Mia (Ind.), (Lamlai-Keirao); Alimuddin (P.S.P.), (Lilong); Dao Thiao (M.M.U.), (Mao East); Hepuni Kalkho (M.M.U.),

(Mao West); Laisram Girimohon Singh (Con.), (Nambol-Keirao); Zarrem (K.N.A.), (Phaisat); Salam Tombi Singh (Con.), (Sagolband); R. K. Angousana (A.P.C.), (Sagolband); Sorem Saradhar Singh (C.P.I.), (Salam-Khumhong-Konthoujam); Khwalrakpam Chaoba Singh (P.S.P.), (Sekmai-Lamsang); Malpaksana Singh (G.S.S.), (Singjame); Kelben (M.Z.U.), (Tameng-long); Atnam Anal (A.M.N.U.), (Tengnoupal); Khuma (M. U.), (Thanlon); L. Chaoyalma Singh (Con.), (Thoubal-Chandrakhong); Sulea (Unopposed) (A.M.N.U.), (Ukhrul); Hidang-mayum DwiJamani Sarma (Con.), (Uripok-Lalambung Thangmeiband); Laisram Achow Singh (Soc.), (Wangthri-Kongba); Ningthoujam

Tomchow Singh (Con.), (Wangoi-Mayang Imphal).

(Party affiliations given are as at the time of nomination).

Abbreviations: Con.—Congress; Ind.—Independent; M.Z.U.—Manipur Zelenrong Union; P.S.P.—Praja Santhi Party; C.P.I.—Communist Party of India; A.M.N.U.—All Manipur National Union; A.P.C.—Achumba Pamba Congress; M.M.U.—Mao Maram Union; K.N.A.—Kuki National Association; G.S.S.—Gandhi Sebak Sova; Soc.—Socialist; M. U.—Mizo Union.

TRIPURA ELECTORAL COLLEGE GENERAL ELECTIONS

Population : 639,029 (1951 final).

Electorate : 325,067.

Seats : 30.

Constituencies : 30.

Parties	Candidates		Uncontested Gains	Contested Wins	Total Elected	Valid Votes Polled	Forfeited Deposit
	Set up	for Seats					
1. Congress	24	24	3	6	9	36,167	4
2. Communist Party of India .. .	16	16	2	10	12	55,333	2
3. Forward Bloc (R) .. .	3	3	—	—	—	2,775	1
4. Ganatantrik Sangha .. .	5	5	1	2	3	6,221	1
5. Independents .. .	35	15	—	6	6	27,886	25
Total	83	—	6	24	30	128,382	33

TRIPURA ELECTORAL COLLEGE

Hemanta Deb (C.P.I.), (*Agartala Sadar I*); Pyari Mohan Jang (Con.), (*Dhumburnagar*); Majumdar (Ind.), (*Muhuripur*); Janab Siraju Ismail (C.P.I.), (*Old Agartala*); Choudhury Gokul Chand Singha (C.P.I.), (*Patikrai*); Abdul Ershad Ali (Ind.), (*Radhakishorepur*); Bangshi Sudan Chandra Deb Barma (C.P.I.), (*Agartala Sadar III*); Nandial Chakravorty (T.G.S.), (*Agartala Town I*); Umesh Lal Singh (Con.), (*Agartala Town II*); Joyanal Abedin (Ind.), (*Belonia I*); Garu Mia (Con.), (*Birganja*); Janab Aftabuddin (C.P.I.), (*Bishalpar*); Aghore Chandra Deb Barma (C.P.I.), (*Charlam*); Karun Chandra Nath (Con.), (*Dharmanagar North*); Abdul Wajid (Ind.), (*Dharmanagar South*); Gokul Chand Singha (C.P.I.), (*Kailashahar*); Ram Charan (C.P.I.), (*Kalyanpur South*); Gana Sinha (Ind.), (*Kamalpur*); Madhab Chandra Master (Con.), (*Kanchanpur*); Satish Chakravarty (C.P.I.), (*Khovai-Asharambari*); Shrimati Kiranmala Devi (C.P.I.), (*Khovai-Kalyanpur*); Krishnamani Tripura (C.P.I.), (*Kulainour*); Basaratullah (Con.), (*Kuriti*); Promode Ranjan Das Gupta (C.P.I.), (*Mohanpur*); Kshetra Mohan

Majumdar (Ind.), (*Muhuripur*); Janab Siraju Ismail (C.P.I.), (*Old Agartala*); Choudhury Ershad Ali (Ind.), (*Radhakishorepur*); Bangshi Deb Barma (Ind.), (*Sabroom*); Manindra Kishore Choudhury (T.G.S.), (*Salgarh*); Kala Mia (Con.), (*Sonamura North*); Krishnachandra Dev Barman (Con.), (*Sonamura South*); Bir Chandra Deb Barma (T.G.S.), (*Takarjala*).

Abbreviations : Con.—Congress; Ind.—Independent; C.P.I.—Communist Party of India; T.G.S.—Tripura Ganatantrik Sangha.

VINDHYA PRADESH ASSEMBLY GENERAL ELECTIONS

Population : 3,574, 690 (1951 final).

Electorate : 1,760,926.

Seats : 60 (6 for SC, 6 for ST); Constituencies 48 (36 SM, 12 DM).

Parties	Set up	Candidates			Uncontested Gains			Contested Wins			Elected			Valid Votes Polled	Forfeited Deposit
		For seats			Total	SC	ST	Total	SC	ST	Total	SC	ST		
		Total	SC	ST											
1. Congress	57	57	6	4	1	1	—	40	4	3	41	5	3	209,989	2
2. Socialist	44	44	2	5	—	—	—	10	1	2	10	1	2	127,484	16
3. Kisan Mazdoor Praja Party	50	50	4	4	—	—	—	3	—	1	3	—	1	111,929	25
4. Jan Sangh	34	34	4	2	—	—	—	2	—	—	2	—	—	67,796	18
5. Ram Rajya Parishad	17	17	1	—	—	—	—	2	—	—	2	—	—	30,571	12
6. Scheduled Castes Federation	1	1	1	—	—	—	—	—	—	—	—	—	—	4,070	—
7. Hindu Mahasabha	2	2	1	—	—	—	—	—	—	—	—	—	—	5,520	1
8. Kisan Sabha	6	6	—	—	—	—	—	—	—	—	—	—	—	3,066	6
9. Sarva Janik Sabha	1	1	—	—	—	—	—	—	—	—	—	—	—	223	1
10. Independents	41	26	—	—	—	—	—	2	—	—	2	—	—	62,354	27
Total	253	—	—	—	1	1	—	59	5	6	60	6	6	683,008	108

VINDHYA PRADESH LEGISLATIVE ASSEMBLY

Speaker : Shiva Nand.

Dy. Speaker : Shyam Sunder Das.

Lal Mohammad (Con.), (*Ajaigarh*); Lal Behari Singh (Con.), (*Amarpatan*); Shambho Nath Shukla (Con.), (*Amarpur*); Ramadhar Pandey (Con.), (*Amdara*); Ram Kishore (P.S.P.), (*Boohari*); Baba Din (ST), (*P.S.P.*), (*Boohari*); Diwan Pratap Singh (Con.), (*Bijawar*); Pyare Lal (SC), (Con.), (*Bijawar*); Saraswati Prasad Patel (Con.), (*Burhar*); vacant (*Chandla*); Thakur Das (Con.), (*Chandpur*); vacant (*Chhatarpur*); vacant (*Chhatarpur*); Jagat Bahadur Singh (P.S.P.), (*Churhat*); Shyam Sunder Das (Con.), (*Datia*); Jagdish Pd. Khare (Con.), (*Doodar*); Rana Shamsher Singh (Con.), (*Gorkhi*); Braj Raj Singh (Con.), (*Gorkhi*); Bhuvaneshwar Prasad (R.R.P.), (*Hanuman*); Bahadur Udasia (Con.), (*Jaispur-Kotma*); Batain Singh (P.S.P.), (*Jaispur-Kotma*); Narain Das (Con.), (*Jatara*); Bhai Lal (P.S.P.), (*Kanpura*); Maharaja Kaushalendra Pratap Bahadur Singh (Ruler of Kothli) (R.R.P.), (*Kothi*); Mahendra Kumar Jain (Con.), (*Laundi*); Raghura Singh (Con.), (*Lidhora*); vacant (*Malehara*); Siri Niwas Tiwari (P.S.P.), (*Manganwan*); Someshwar Singh (Ind.), (*Manganwan*); Saba Dey Chamar (SC), (*P.S.P.*), (*Mauganj-Naigarhi*); Kesho Prasad (Con.), (*Mukundpur*); Gopal Sharan Singh (Con.), (*Nagod*); vacant (*Nagod*); Lala Ram Bajpai (Con.), (*Newari*); Sarjoo Pd. Chandpuria (Con.), (*Paona*); Narendra Singh (Con.), (*Paswai*); Bhara (ST), (Con.), (*Paswai*); Shyam Lal Bahu (Con.), (*Prithipur*); Das Bahadur Singh (Con.), (*Pushparajgarh*); Ram Prasad Singh (ST), (Con.), (*Pushparajgarh*); Shatrughdan Singh (Con.), (*Raipur*); Gokul Prasad (Con.), (*Rajnagar*); Col. Balwan Singh (Jan Sangh), (*Ramnagar*); Govind Narain Singh (Con.), (*Rampur-Baghelan*); Muni Pd. Shukla (P.S.P.), (*Rewa*); Ram Baijwan (Con.), (*Sabhapur*); Shiva Nand Vakil (Con.), (*Saina*); Balkunth Prasad (Con.), (*Semaria*); vacant (*Seondha*); vacant (*Seondha*); Chandra Pratap Tiwari Vakil Sidhi, (P.S.P.), (*Sidhi Madwas*); Darhi Singh (ST), (P.S.P.), (*Sidhi Madwas*); Shyam Kartik (P.S.P.), (*Singrauli Niwas*); Sumitri (ST), (P.S.P.), (*Singrauli Niwas*); Narmada Prasad Singh (P.S.P.), (*Sirmaur*); Lal Rajendra Bahadur Singh (Ind.), (*Sohappur*); Rajeshwar Prasad Mishra (Con.), (*Teonthar*); Krishna Kant (P.S.P.), (*Tikamgarh*); Rishi Chamar (SC), (Con.), (*Tikamgarh*); Aditya Nath Singh (Con.), (*Umaria*).

SPORT

CRICKET

In cricket India lost the rubber in the series against West Indies, having lost one match; the other four resulting in draws.

The details are:

First Test, at Port of Spain, resulted in a draw.

INDIA: 417 (P. R. Umrigar 130, M. L. Apte 64, G. S. Ramchand 61, D. H. Shodhan 45, D. K. Gackwad 43; G. Gomez 3 for 84, F. King 2 for 75, A. Valentine 2 for 92, J. Stollmeyer 2 for 56) and 294 (M. L. Apte 52, P. R. Umrigar 69, D. G. Phadkar 65; S. Ramadhin 3 for 58, F. Worrell 2 for 32, C. Walcott 2 for 12). West Indies: 438 (E. Weekes 207, B. Palaudeau 115, C. Walcott 47; S. P. Gupte 7 for 62) and 112 for no loss (A. Rao 63 not out, J. Stollmeyer 76 not out).

Second Test, at Bridgetown, resulted in a victory for the West Indies by 142 runs.

WEST INDIES: 296 (C. Walcott 98, E. Weekes 47; S. P. Gupte 3 for 99, V. Mankad 3 for 125, D. G. Phadkar 2 for 24, V. S. Hazare 2 for 13) and 228 (J. B. Stollmeyer 54; D. G. Phadkar 5 for 64, S. P. Gupte 2 for 82, V. Mankad 2 for 54). India: 253 (M. L. Apte 64, V. S. Hazare 63, P. R. Umrigar 56, A. Valentine 4 for 58, S. Ramadhin 2 for 59, F. King 2 for 66) and 129 (S. Ramadhin 5 for 26, A. Valentine 2 for 53).

Third Test, at Port of Spain, resulted in a draw.

INDIA: 279 (G. S. Ramchand 62, P. R. Umrigar 61; F. King 5 for 74, F. M. Worrell 2 for 47) and 362 for 7 wickets, declared (M. L. Apte 103, P. R. Umrigar 67, V. Mankad not out 96; F. M. Worrell 2 for 62). West Indies: 315 (E. Weekes 161; S. P. Gupte 5 for 107, D. G. Phadkar 2 for 85) and 192 for 2 wickets (J. B. Stollmeyer not out 104, E. Weekes not out 55).

Fourth Test, at Georgetown, British Guiana, resulted in a draw.

INDIA: 262 (V. Mankad 66, C. V. Gadkari not out 50; A. Valentine 5 for 127, S. Ramadhin 2 for 74) and 190 for 5 wickets (P. Roy 48, P. R. Umrigar not out 40; A. Valentine 3 for 70). West Indies: 364 (F. Worrell 56, E. Weekes 86, C. Walcott 125; S. P. Gupte 4 for 122, V. Mankad 3 for 155, G. S. Ramchand 2 for 48).

Fifth Test, at Kingston, Jamaica, resulted in a draw.

INDIA: 312 (P. Roy 85, P. R. Umrigar 117, V. L. Manjrekar 43; A. Valentine 5 for 64, F. King 2 for 64) and 444 (P. Roy 150, V. L. Manjrekar 118; G. Gomez 4 for 72, A. Valentine 4 for 149, F. King 2 for 83). West Indies: 576 (B. Palaudeau 58, F. Worrell 237, E. Weekes 109, C. Walcott 118; S. P. Gupte 5 for 180, V. Mankad 5 for 228) and 92 for 4 wickets (G. S. Ramchand 2 for 33).

Silver Jubilee Overseas Cricket Team

First Test, at Delhi, won by India by an innings and 15 runs.

INDIA: 387 (V. L. Manjrekar 86, P. R. Umrigar 47, G. S. Ramchand 119; R. Berry 5 for 90, F. Worrell 4 for 65). S.J.O.C. Team: 198 (R. T. Simpson 57; S. P. Gupte 8 for 91) and 174 (R. T. Simpson 59, F. M. Worrell 54; Ghulam Ahmed 6 for 52, S. P. Gupte 4 for 82).

Second Test, at Bombay, resulted in a draw.

S.J.O.C. TEAM: 504 (R. T. Simpson 121, K. Meuleman 50, R. Marshall 90, D. Barrick not out 102, S. J. Loxton 55; V. Mankad 3 for 110). India: 153 (P. R. Umrigar 83; P. J. Loader 4 for 53, F. Worrell 3 for 32, S. J. Loxton 3 for 42) and 447 for 5 wickets (V. Mankad 154, V. S. Hazare 61, C. V. Gadkari not out 102, C. D. Gopinath not out 67; P. J. Loader 3 for 43).

Third Test, at Calcutta, won by the Commonwealth Team by six wickets.

INDIA: 238 (P. R. Umrigar not out 112, R. Berry 4 for 61, J. Iverson 4 for 78) and 190 (G. S. Ramchand 111, J. Iverson 6 for 47, P. Loader 3 for 44). S.J.O.C. Team: 245 (K. Meuleman 75, G. Emmett 39; S. P. Gupte 6 for 95) and 187 for 4 wickets (R. Marshall not out 88, A. J. Watkins not out 55).

Fourth Test, at Madras, January 13, 14, 15, 16 and 17, resulted in a win for India by an innings and 50 runs.

India: (1st Innings) 440 for 9 wickets, declared (Roy 141, G. S. Ramchand 96, R. B. Kenny 65; J. Iverson 2 for 59, R. Berry 2 for 109). Commonwealth (1st Innings) 222 (K. Meuleman 124, Ghulam Ahmed 5 for 51, S. P. Gupte 4 for 96) and 168 (A. J. Watkins 44; Ghulam Ahmed 7 for 42, S. P. Gupte 3 for 92).

Fifth Test, at Lucknow, February 1, 2, 3 and 4 resulted in a draw.

India: (1st Innings) 416 (P. Punjabi 107, Mushtaq Ali 58, P. R. Umrigar 87, D. G. Phadkar 61, J. Iverson 4 for 96, P. Loader 2 for 53, S. Loxton 2 for 101) and 168 for 2 wickets (P. Roy 58, Mushtaq Ali 70 not out). Commonwealth (1st Innings) 345 (K. Meuleman 131, P. Bhandari 3 for 90, D. G. Phadkar 3 for 8) and 64 for 3 wickets.

Ranji Trophy

Ranji Trophy final, played at Calcutta, March 1952, resulted in a win for Holkar, who won by virtue of their first innings lead of 17 runs over Bengal.

Bengal: 479 (P. B. Dutt 141, N. Chatterji 52, H. Gackwad 4 for 128) and 320 for five wickets (B. Frank 62, N. Chatterji 54, S. K. Ghidhari not out 58, B. Das Gupta not out 59) lost to Holkar 496 (B. B. Nimbalkar 219, K. M. Rangnekar 86; Shome 4 for 195) and 177 for 9 wickets (Ghridhari 3 for 17, Shome 2 for 44, Bannerji 2 for 44, B. Das Gupta 2 for 38).

HOCKEY

Aga Khan Tournament, at Bombay, April 1953:

Lusitanian Sports Club beat Tata Sports Club by one goal to nil.

National Tournament, at Bangalore, May, 1953:

Servics Eleven beat East Punjab by one goal to nil.

Beighton Cup, at Calcutta, May, 1953:

Tata Sports Club (Bombay) beat Nagpur United by two goals to one.

Women's Inter-State Championship, played at Bombay, May, 1953:

Bombay and Bengal were declared joint holders of the Lady Ratan Tata Shield after they drew three times, 0-0, 2-2 and 1-1.

Tommy Emar Gold Cup, at Bombay, May, 1953:

Sarangurh Eleven (Madhya Pradesh) beat Bombay Greys by two goals to nil.

BILLIARDS

Western India Championships, at Bombay, May, 1953:

Wilson Jones (Bombay) beat T. A. Selvaraj (Bangalore) by 3,128 points to 2,237 points in the billiards final.

Wilson Jones beat T. A. Selvaraj in the Snooker final by five frames to two, 61-39, 65-33, 51-52, 66-46, 105-20, 43-73, 53-26.

National Championship:

At Calcutta, February, 1954:

Snooker:

Wilson Jones (Bombay) beat Chandra Hirjee (Bengal) by five frames to four 59-91, 55-47, 62-34, 62-39, 54-58, 45-48, 29-107, 66-53, 57-46.

Billiards:

Wilson Jones beat Chandra Hirjee 3,333 to 3,272 in eight hours' game.

ATHLETICS

All India Athletic Meet, held at Jubbulpore, February 6, 7 and 8, 1953:

MEN:

100 Metres: Lavy Pinto (Bombay) 1; Sati Ghosh (Bihar) 2; Hav Balwant Singh (Services) 3. Time: 10.8 seconds.

200 Metres: Lavy Pinto (Bombay) 1; Sati Ghosh (Bihar) 2; Kripal Singh (Punjab) 3. Time: 21.8 seconds.

400 Metres: I. Jacob (Madras) 1; Balwant Singh Sn. (PEPSU) 2; L. Nk. Appar Singh (Services) 3. Time: 49.0 seconds.

800 Metres: L/Nk. Sohan Singh (Services) 1; Hav. Kulwant Singh (Services) 2; Bhagat Singh (Delhi) 3. Time: 1 minute, 55.2 seconds.

1,500 Metres: L/Nk. Kulwant Singh (Services) 1; Hav. Nika Singh (Services) 2; Ranjit Ram (Delhi) 3. Time: 4 minutes, 5.2 seconds.

5,000 Metres: N/k. Daluram (Services) 1; S. Karnal Singh (Services) 2; Guru Bachan Singh (Services) 3. Time: 15 minutes, 31.6 seconds.

10,000 Metres: L/Nk. Dhan Singh (Services) 1; L/Nk. Bula Singh (Services) 2; Raunag Singh (PEPSU) 3. Time: 32 minutes, 45.8 seconds.

3,000 Metres Steeplechase: N/k. Daluram (Services) 1; Hav. Inder Singh (Services) 2; Gulzara Singh (PEPSU) 3. Time: 9 minutes, 33.4 seconds.

4 x 100 Metres Relay: Bombay 1, Delhi 2; Madras 3. Time: 44.2 seconds.

4 x 400 Metres Relay: Services 1, Madras 2; PEPSU 3. Time: 3 minutes, 23.9 seconds.

110 Metres Hurdles: Guldur Singh (Services) 1; L/Nk. Gurdev Singh (Services) 2; Ajmer Singh (Punjab) 3. Time: 15.6 seconds.

400 Metres Hurdles: L/Nk. Joginder Singh (Services) 1; L/Nk. Pritam Singh (Services) 2; Darshan Singh (Punjab) 3. Time: 55.6 seconds.

50 Kilometre Walk: B. Das (Bengal) 1; Bhag Singh (Punjab) 2; Lal Singh (PEPSU) 3. Time: 5 hours, 32 minutes, 24.1 seconds.

10,000 Metres Walk: L/Nk. Harnalk Singh (Services) 1; Amrik Singh (Punjab) 2; Nathu Rao (Rajasthan) 3. Time: 55 minutes, 2 seconds.

Hop, Step and Jump: N/k. Keshar Singh (Services) 1; L/Nk. Sadurshan Singh (Services) 2; Darshan Singh (Punjab) 3. Distance: 46 feet, 10 inches.

Throwing the Discus: Bakshia Singh (Punjab) 1; Makhnan Singh (Services) 2; Ishar Singh (PEPSU) 3. Distance: 131 feet, 1 1/2 inches.

Throwing the Javelin: Hav. Surat Singh (Services) 1; Rajagopalan (Delhi) 2; Govind Ram (Delhi) 3. Distance: 176 feet, 8 inches.

Throwing the Hammer: L/Nk. Nandi Prasad (Services) 1; Kishan Singh (PEPSU) 2; L. Nk. Bipal Ram (Services) 3. Distance: 142 feet, 1 inch.

Shot Put: Pardman Singh (Services) 1; L/Nk. Mohinder Singh (Services) 2; Ishwar Singh (PEPSU) 3. Distance: 44 feet, 10 inches.

High Jump: Ajit Singh (Punjab) 1; K. Chatterjee (Bengal) 2; L. Nk. Dayal Singh (Services) 3. Height: 6 feet, 3 1/2 inches.

Broad Jump: Keshar Singh (Services) 1; Bhag Singh (Services) 2; Kripal Singh (Punjab) 3. Distance: 22 feet, 7 1/2 inches.

Pole Vault: L. Nk. George (Services) 1; Bhagwan Singh (Services) 2; P. Vasavan (Travancore-Cochin) 3. Height: 11 feet, 11 inches.

Decathlon: Gurnam Singh (PEPSU) 4,367 points, 1; M. Kaunda (Bombay) 4,345 points, 2; N. K. Das (Orissa) 4,302 points, 3.

Marathon: Chhota Singh (PEPSU) 1; Surjan Singh (PEPSU) 2; Surat Singh (Delhi) 3. Time: 2 hours, 31 minutes, 21.6 seconds.

WOMEN :

100 Metres : Mary D'Souza (Bombay) 1 ; A. Catchatour (Bengal) 2 ; Joan Tellis (Bengal) 3. Time : 13 seconds.

200 Metres : Mary D'Souza (Bombay) 1 ; A. Catchatour (Bengal) 2 ; Stephanie D'Souza (Bombay) 3. Time : 26.4 seconds.

80 Metres Hurdles : Mary D'Souza (Bombay) 1 ; Marie Simoes (Bombay) 2 ; Nilima Ghose (Bengal) 3. Time : 12.7 seconds.

4 x 100 Metres Relay : Bombay 1 ; Bengal 2 ; Madhya Pradesh 3. Time : 52.5 seconds.

High Jump : Marie Simoes (Bombay) 1 ; P. Vasu (Madhya Pradesh) 2 ; C. O'Dea (Madhya Pradesh) 3. Height : 4 feet, 2½ inches.

Broad Jump : Stephanie D'Souza (Bombay) 1 ; Lucy Paul (Travancore-Cochin) 2 ; Mary Castellino (Bombay) 3. Distance : 13 feet, 3¼ inches.

Shot Put : Rennie Thornbur (Bombay) 1 ; A. Masauji (Madhya Pradesh) 2 ; Susanna Thomas (Travancore-Cochin) 3. Distance : 29 feet, 3¼ inches.

Discus Throw : Mrs. P. Proudfoot (Bombay) 1 ; A. Masau (Madhya Pradesh) 2 ; C. Bhido (Bombay) 3. Distance : 90 feet, 0.5 inch.

The team championship was again won by the Services, who aggregated 121½ points, followed by PEPSU, with 30 points, while Bombay earned the third position, with 23 points.

TABLE TENNIS

National Championships :

Men's Singles : S. K. Thackersey (Bombay) beat T. Thiruvengadam (Madras) 25-23, 21-13, 15-21, 21-19.

Men's Doubles : U. M. Chandarana and D. P. Somaya (Bombay) beat M. Banerjee and R. Bhandari (Bengal) 22-20, 18-21, 21-12, 22-24, 21-18.

Mixed Doubles : Miss S. Sultana (Hyderabad) and R. Bhandari (Bengal) beat Mrs. V. Rajagopalan (Delhi) and U. M. Chandarana (Bombay) 21-16, 21-13, 21-13.

Women's Singles : Miss S. Sultana (Hyderabad) beat Mrs. C. K. K. Pillai (Madras) 21-12, 21-16, 21-11.

Women's Doubles : S. Sultana (Hyderabad) and Mrs. V. Rajagopalan (Delhi) beat Miss I. Samuel and M. Parande (Bombay) 21-15, 21-15, 21-14.

Inter-State Championship :

MEN :

Bombay 1. Bengal 2. Madras 3. Mysore, Maharashtra and Delhi 4.

WOMEN :

Hyderabad 1. Bombay 2. Madras 3. Ceylon 4. Rankings :

MEN :

T. Thiruvengadam (Madras) 1. Y. S. Vyas and S. K. Thackersey (both of Bombay) jointly 2. D. P. Sampat (Bombay) 4. N. C. Raghavam (Madras) and K. Nagaraj (Mysore) jointly 5. R. Bhandari (Bengal) and K. R. Chandorkar (Maharashtra) jointly 7. M. Banerjee (Bengal) 8.

K. Jayant, of Bengal, was not ranked for want of sufficient data.

WOMEN :

Sayed Sultana (Hyderabad) 1. Meena Parande (Bombay) 2. Mrs. C. K. K. Pillai (Madras) 3. Mrs. Vijaya Rajagopalan (Delhi) 4. Virachoon (Ceylon) 5. V. John (Madras) 6. Sulochana Mankar (Bombay) 7. I. Samuel (Bombay) 8.

INDIA VS. HONG KONG :

Hong Kong beat India by four Tests to one. At Bangalore, March, 1953, India won 3 matches to two.

Kalyanpur Jayant (India) beat Chung Chin Sing (Hong Kong) 21-15, 21-15, 23-25, 20-22, 22-20 ; Sih Su Chu (Hong Kong) beat Nagaraj (India) 17-21, 21-18, 21-12, 21-18.

Nagaraj and Jayant (India) beat Chung Chin Sing and Sih Su Chu (Hong Kong) 21-19, 8-21, 21-15, 22-20.

Sih Su Chu (Hong Kong) beat Kalyanpur Jayant 23-21, 13-21, 21-12, 21-19.

Nagaraj beat Chung Chin Sing (Hong Kong) 19-21, 18-21, 21-12, 21-14, 21-14.

At Madras, March, 1953, Hong Kong won by three matches to nil.

Sih Su Chu beat Kalyanpur Jayant 21-15, 23-21, 21-19 ; Chung Chin Sing beat T. Thiruvengadam 21-7, 21-15, 21-17 ; Sih Su Chu and Chung Chin Sing beat Kalyanpur Jayant and T. Thiruvengadam 21-10, 21-7, 19-21, 21-11.

At Hyderabad, March, 1953, Hong Kong won by three matches to 1.

Sih Su Chu beat Kalyanpur Jayant 21-19, 14-21, 21-16, 16-21, 21-12 ; T. Thiruvengadam beat Chung Chin Sing 5-21, 21-16, 17-21, 21-15, 21-14 ; Chung Chin Sing beat Kalyanpur Jayant 21-10, 16-21, 14-21, 21-16, 21-14 ; Sih Su Chu and Chung Chin Sing beat Kalyanpur Jayant and T. Thiruvengadam 17-21, 21-19, 15-21, 21-19, 21-18.

At Bombay, March, 1953, Hong Kong won three matches to one.

Chung Chin Sing beat Kalyanpur Jayant 21-14, 21-6, 24-22 ; Sih Su Chu beat Dilip Sampat 21-13, 21-13, 19-21, 21-17 ; Sih Su Chu beat Kalyanpur Jayant 21-19, 22-20, 21-16 ; Uttam Chandarana and Devchand Somaya beat Chung Chin Sing and Sih Su Chu 21-16, 10-21, 21-18, 20-22, 21-14.

At Calcutta, March, 1953, Hong Kong won by three matches to one.

Sih Su Chu beat Kalyanpur Jayant 21-17, 21-15, 21-18 ; R. Bhandari beat Chung Chin Sing 21-19, 23-21, 21-13 ; Sih Su Chu beat R. Bhandari 21-16, 21-18, 21-18. Sih Su Chu and Chung Chin Sing beat R. Bhandari and Kalyanpur Jayant 17-21, 22-20, 21-17, 21-18.

RACING

The results of the important races were —

Bombay Races

1,000 Guineas : 1 Mile —December 13, 1953

Messrs. Hoosain and Pardi's ABEETA 8-7 (Hanuman Singh) 1. Mr. Hugo Watchmann's VEDETTE 8-7 (P. Khade) 2. Maharaja of Jammu and Kashmir's DONNA NEARCO 8-7 (Evans) 3. Mrs. Talib and Mrs. Jeejeebhoy's PRINCESS DILAWAR 8-7 (Dar) 4.

Won by 1½ L., Sh., Sh. : Time : 1 minute, 43.2/5 seconds.

2,000 Guineas : 1 Mile —December 19, 1953 :

Mr. Diamond's COMMONER 8-11 (S. Chavan) 1. Messrs. Ahmedbhai and Jethabhai's PLAY SAFE 8-11 (Danodar) 2. Mrs. J. B. Patel's BRIGHT STEEL 8-11 (Kheemsingh) 3. Maharani Chinnabai of Baroda's DESERT LIGHT 8-11 (P. Khade) 4.

Won by 1½ L., H., 1 L. : Time : 1 minute, 46 seconds.

The Indian Derby : 1½ Miles, January 23, 1954 :

Mr. Diamond's COMMONER 9-0 (S. Chavan) 1. Messrs. Ahmedbhai and Jethabhai's PLAY SAFE 9-0 (Eldin) 2. Maharani Chinnabai of Baroda's DESERT LIGHT 9-0 (P. Khade) 3. Mrs. Talib and Mrs. Jeejeebhoy's PRINCESS DILAWAR (Kheemsingh) 4.

Won by ½ L., 3½ L., 2½ L. : Time : 2 Minutes, 49 seconds.

The Eclipse Stakes of India : 1½ Miles, February 7, 1954 :

Mr. G. A. Jasdhanwalla's BROQUE ROYAL 9-8 (Amir Ahmed) 1. Maharaja of Parlakimedi's OUR OWEN 9-10 (P. Khade) 2. Mr. A. M. M. Chettiar's SILVANUS 9-3 (Purtusingh) 3. Messrs. R. J. Siglia and R. B. Bula's IMFLA-CABLE 9-3 (Eldin) 4.

Won by 1½ L., Sh., 3½ L. : Time : 2 Minutes, 6 4/5 seconds.

The Indian St. Leger : 1½ Miles, February 14, 1954 :

Mr. Diamond's COMMONER 9-0 (S. Chavan) 1. Mr. H. Watchmann's VEDETTE 9-11 (P. Khade) 2. Mrs. J. B. Patel's BRIGHT STEEL 9-0 (Purtusingh) 3. Messrs. Ahmedbhai and Jethabhai's PLAY SAFE 9-0 (Eldin) 4.

Won by 1½ L., ½ L., 1½ L. : Time : 3 Minutes, 11 seconds.

Poona Races

Colts and Fillies' Trial : 6 Furlongs—August 29, 1953 :

Mrs. A. L. J. Talib's PRINCESS DILAWAR 9-0 (Kheemsingh) 1. Mr. B. N. Sanas's ROMMELL 8-11 (Khade) 2. Mr. and Mrs. Sultan Chinnoy's BADSHAH TIR 8-11 (S. Chavan) 3. Maharaja of Jammu and Kashmir's SUPERBE ROSE 8-8 (Whiteside) 4.

Won by ¾ L., ½ L., 1½ L. : Time : 1 Minute, 16 1/5 seconds.

Rajaram Chhatrapati Memorial Gold Cup : 1½ Miles—September 12, 1953 :

Mr. B. R. Patel's SANGRAM 8-7 (Kheemsingh) 1. Messrs. Shah and Ahmedbhai's YAAR 7-9 ed. 7-2 DAMODAR 2. Mr. B. R. Bhadam's GAY RADHA 9-4 (Amir Ahmed) 3. Mr. P. M. Modi's HASEEN 8-10 (Purtusingh) 4.

Won by 2 L., 1½ L., ½ L. : Time : 2 Minutes, 10 2/5 seconds.

Western Command Cup : 1 Mile—September 19, 1953 :

Maharaja of Parlakimedi's WINDERMEKE PARK 9-0 (Kheemsingh) 1. Mr. and Mrs. A. K. Shah's GAGAN DOOT 8-10 (Purtusingh) 2. Mr. H. Watchmann's DARK WILLIAM 8-12 (Khade) 3. Mr. S. A. Poonawalla's PAPER KING 8-13 (Chavan) 4.

Won by 1½ L., 3 L., 1½ L. : Time : 1 minute, 42 4/5 seconds.

Calcutta Races

Nepal Gold Cup : 1½ Miles, December 5, 1953 :

Raja of Ramnad's FLOWER DUST 9-3 (Duffy) 1. Mr. G. A. Jasdhanwalla's BROQUE ROYAL 9-3 (Amir Ahmed) 2. Raja of Ramnad's REGENT KING 9-3 (Adley) 3. Raja of Nazarganj's PANAGIA 9-3 (Davis) 4.

Won by ½ L., H., 2 L. : Time : 2 minutes, 12 1/5 seconds

Coronation Cup : 1 Mile, December 26, 1953 :

Raja of Ramnad's FLOWER DUST 9-3 (Stevens) 1. Mr. G. A. Jasdhanwalla's BROQUE ROYAL 9-3 (Amir Ahmed) 2. Messrs. L. R. Patel and J. W. Jessop's GOOD SELLER 9-3 (M. Cracknell) 3.

Won by 2 L., 8 L. : Time : 1 minute, 39 3/5 seconds.

Indian Gold Vase : 7 Furlongs, December 26, 1953 :

Mr. B. N. Sanas's TROGLDYTE 8-3 (Dixon) 1. Mr. S. A. Poonawalla's PAPER KING 8-7 (Percival) 2. Lt.-Col. W. H. Kerr's KNICK KNACK 8-7 (Duffy) 3.

Won by 3½ L., 2 L. : Time : 1 minute, 27 3/5 seconds.

Queen Elizabeth II Cup : 1½ Miles, January 9, 1954 :

Raja of Ramnad's GOLD KATE 9-3 (Stevens) 1. Mr. G. A. Jasdhanwalla's BROQUE ROYAL 9-3 (Amir Ahmed) 2. Maharaja of Parlakimedi's OUR OWEN 9-3 (McGaffin) 3. Mr. G. A. Jasdhanwalla's CORNISH FLAME 9-3 (E. Cracknell) 4.

Won by 1½ L., 1½ L., ½ L. : Time : 3 minutes, 5 1/5 seconds.

FOOTBALL

Rovers Cup Tournament, at Bombay, October, 1953 :

Hyderabad Police beat Bangalore Muslims by two goals to nil.

I. F. A. Shield, at Calcutta, October/November, 1953 :

East Bengal and India Culture League, Bombay, contested the final three times without decision. The latter then raised an objection against East Bengal for playing Pakistan players. The Committee upheld the objection and awarded the title to India Culture League, but a case has been filed by East Bengal for judicial decision.

Durand Cup, at Delhi, November, 1953 :

Mohun Bagan beat National Defence Academy by four goals to nil.

National Tournament, for the Santosh Memorial Cup, at Calcutta, September, 1953 :

Bengal beat Mysore by 3 goals to one.

Asian Quadrangular at Rangoon, November, 1953 :

India maintained an unbeaten record to emerge champions. The scores were :

Burma drew with Pakistan, one-all ; India beat Ceylon 2-0 ; India beat Pakistan 1-0 ; Pakistan beat Ceylon 6-0 ; India beat Burma 4-2 and Burma beat Ceylon 3-2

RUGBY FOOTBALL

The inaugural seven-a-side Rugby Football Tournament, at Calcutta, September, 1953 :

Madras beat Bengal Tigers by a goal and a try (8 points) to nothing.

BADMINTON

Western India Championships, at Bombay, October, 1953 :

Men's Singles : Nandu Natekar beat Trilok Nath Seth 12-15, 15-6, 17-14.

Men's Doubles : Trilok Nath Seth and Manoj Guha beat Devinder Mohan and Henry Ferreira 15-13, 10-15, 15-10.

Mixed Doubles : Miss Shashi Bhatta and Nandu Natekar beat Miss Tehmi Vakeel and Devinder Mohan 15-10, 6-15, 15-12.

Women's Singles : Mrs. Mumtaz Lotwala beat Miss S. Bhat 11-4, 11-3.

Women's Doubles : Mrs. M. Lotwala and Nobina Lewis beat Miss S. Bhat and Miss T. Vakeel 15-1, 6-15, 15-8.

Inter-State Championship, held at Gwalior, December, 1953 :

Bombay beat Delhi by three matches to nil.

Devinder Mohan (Bombay) beat Parduman Chawla (Delhi) 15-2, 17-18, 15-9 ; Nandu Natekar (Bombay) beat Pramod Nath (Delhi) 15-1, 15-6 ; Miss Shashi Bhat (Bombay) beat Miss Mathai (Delhi) 11-4, 11-2.

National Championships, at Gwalior, December, 1953 :

Men's Singles : Nandu Natekar (Bombay) beat Trilok Nath Seth (Uttar Pradesh) 15-8, 18-15.

Men's Doubles : Manoj Guha and Gajanan Hemmady (Bengal) beat Manohar Bopardikar and Ravindranath Dongre (Bombay) 15-11, 15-4.

Mixed Doubles : Nandu Natekar and Shashi Bhat (Bombay) beat Watal and Mrs. David (Uttar Pradesh).

Women's Singles : Sushila Rege (Bombay) beat Shashi Bhat (Bombay) 11-2, 11-3.

Women's Doubles : Miss Sushila Rege and Shashi Bhat (Bombay) beat Mrs. Acharya and Miss Tambe (Madhya Pradesh) 15-11, 17-16.

Rankings :

Men's Singles : Nandu Natekar (Bombay) 1, T. N. Seth (Uttar Pradesh) 2, Amrit Lal Dewan (Delhi) 3, Manoj Guha (Bengal) 4, Devinder Mohan (Bombay) 5, P. S. Chawla (Delhi) 6.

Men's Doubles : Manoj Guha and Gajanan Hemmady (Bengal) 1, C. L. Madan and Amrit Lal Dewan (Delhi) 2, Ravindranath Dongre and Manohar Bopardikar (Bombay) 3.

GOLF

Amateur Golf Champion, at Calcutta, December, 1953 :

Mahinder Bal (Kashmir) beat John Forman by two and one

All-India Women's Golf Championship, at Calcutta, January, 1954

Mrs. E. Lyne beat Mrs. G. Ribbins at the 19th hole.

SQUASH

The first National Championship, held in Bombay, November, 1953

The results were :

Men's Singles : R. K. Narpat Singh (Jodhpur) beat N. S. Bhagat (Army) 9-2, 9-1, 9-4

Women's Singles : Mrs. Gladys Riggall (I. K.) beat Miss Tehmi Vakeel (Bombay) 9-3, 9-1, 9-0

Juniors' Singles : M. H. Chinoy beat Pramod Lulla 9-6, 5-9, 10-9, 9-7

Professionals' Singles : Jamal Din beat D. L. Shinde 9-1, 10-8, 9-3

LAWN TENNIS

All-India Hardcourt Championships, at Bombay, February, 1953 :

The results were :

Men's Singles : Narendra Nath beat P. Krishnan 6-4, 7-5, 6-0.

Men's Doubles : Vishnu Mohan and M. V. Bobbjee beat G. Vasant and Narendra Nath 6-3, 3-6, 6-4, 6-1

Mixed Doubles : G. Vasant and Miss Laxmi Merchant beat Narendra Nath and Mrs. Jull Roberts 6-3, 6-4

Women's Singles : Mrs. Leela Dayal beat Miss Laura Woodbridge 6-3, 9-7, 6-3.

Women's Doubles : Miss Laura Woodbridge and Miss Laxmi Merchant beat Mrs. Leela Dayal and Mrs. V. Abdulla 6-4, 6-3.

Juniors' Singles : R. Krishnan beat A. Quadri 6-1, 6-0.

Juniors' Doubles : A. Quadri and Niazul Latif beat R. Krishnan and R. Srinivasan 6-3, 6-1.

Northern India Lawn Tennis Championships at Delhi, February-March, 1953 :

The results were :

Men's Singles : Narendra Nath beat Naresh Kumar 4-6, 7-5, 6-3, 7-9, 6-3.

Men's Doubles : Narendra Nath and Naresh Kumar beat H. Huber (Austria) and Iftikhar Ahmed (Pakistan) 2-6, 6-3, 6-2, 5-7, 6-2.

Mixed Doubles : Huber and Miss Shaikh beat S. L. R. Sawhney and Mrs. Rodrigues 6-1, 6-4.

Women's Singles : Mrs. Leela Dayal beat Mrs. Zachariassen 6-2, 6-1

Women's Doubles : Mrs. Leela Dayal and Mrs. Zachariassen beat Mrs. Rodrigues and Miss Shaikh 6-1, 6-0.

Juniors' Singles : Asif Quadri beat Prem Kishore 9-7, 9-7.

Juniors' Doubles : Asif Quadri and Charanjiva beat Prem Kishore and Gurdeep Singh 6-4, 9-7.

National Tournament, at Calcutta December 53-January, 54 :

The results were :

Men's Singles : R. Krishnan beat J. Arkinstall (Australia) 6-2, 6-3, 7-5.

Men's Doubles : Iftikhar Ahmed (Pakistan) and J. Arkinstall (Australia) beat Narendra Nath and Naresh Kumar 3-6, 5-7, 8-6, 7-3, 6-3.

Mixed Doubles : Iftikhar Ahmed (Pakistan) and Miss P. Shaikh w/o Narendra Nath and Miss Urmila Thapar.

Women's Singles : Miss Rita Davar beat Urmila Thapar 6-6, 6-2, 6-2.

Women's Doubles : Not played.

India vs Belgium (Davis Cup) at Sydney, December, 1953

Belgium beat India four matches to nil.

The results were :

Phillipe Washer beat Sumant Misra 6-3, 6-4, 6-3 ; beat R. Krishnan 6-1, 6-1, 6-1 ; Jackie Brichant beat R. Krishnan 3-6, 3-6, 6-4, 6-3, 6-0 ; beat Sumant Misra 6-1, 1-6, 7-5, 6-1.

Rankings—1953 :

Narendra Nath, 1 ; Sumant Misra, 2 ; Naresh Kumar, 3 ; R. Krishnan, 4.

Western India Lawn Tennis Championships, at Bombay, February, 1954 :

The results were :

Men's Singles : J. Arkinstall (Australia) beat Sumant Misra 6-4, 1-6, 6-1.

Men's Doubles : J. M. Mehta and G. Vasant beat J. Arkinstall and Narendra Nath 6-4, 7-5.

Mixed Doubles : J. Arkinstall and Mrs. Anjan Diwan beat G. Vasant and Miss Laxmi Merchant 7-5, 6-3.

Women's Singles : Miss Urmila Thapar beat Miss Laura Woodbridge 6-4, 4-6, 6-2.

Women's Doubles : Miss Laxmi Merchant and Miss Laura Woodbridge beat Miss Urmila Thapar and Mrs. Anjan Desai 6-4, 1-6, 9-7.

RIFLE SHOOTING

Second National Rifle Shooting, at Delhi, November, 1953 :

Caps 22 Small Bore :

25 Metres

Dr. Harihar Bannerjee	197/200
S. N. Chatterjee	197/200
Pradish Kumar Bajpai	196/200

50 Metres :

Dr. Harihar Bannerjee	196/200
Pradish Kumar Bajpai	196/200
Sushil Kumar Ganguli	196/200

100 Metres :

Mrs. Sabita Chatterjee	194/200
Dr. Harihar Bannerjee	193/200
S. N. Chatterjee	192/200

Small Bore 50 Metres standing and kneeling :

Dr. Harihar Bannerjee	310/400
R. C. Das Gupta	309/400
S. N. Chatterjee	298/400

National Small Bore Champion : Dr. Harihar Bannerjee.

Women : Mrs. Sabita Chatterjee (290/300) 1 ; Mrs. Gita Roy (265/300) 2 ; Mrs. Rekha Chatterjee (262/300) 3.

Scores of the Indian entries for the International Dewar Shooting Championship to be decided by the National Small Bore Rifle Association of England.

Dr. Harihar Bannerjee (Captain) 395 ; S. N. Chatterjee 390 ; Mrs. Sabita Chatterjee 388.

Indo-Japanese Meet, at Delhi, November, 1953 :

India beat Japan by 1944 points to 1888 in a possible 2,000.

The scores were

India : Susheel Ganguli 391, Dr. Harihar Bannerjee 390, Mrs. Sabita Chatterjee 388, S. N. Chatterjee 387, P. K. Bajpai 388.

Japan : S. Kondo 384, M. Anzal 382, Ikuzo Ishazaki 380, Dengo Okara 371 and Marito Shiratore 371.

WRESTLING

Japan vs. India, at Calcutta, March, 1953 :

Japan beat India by five matches to one.

The results were :

Flyweight : H. Hashimoto beat Ram Swarup (Delhi).

Bantamweight : K. D. Jadhav (Kolhapur) pinned K. Yonemori in 13 minutes, 7 seconds.

Featherweight : M. Asakava beat Hirala (Bengal).

Middleweight : F. Hirau beat Jaggan Singh (Punjab).

Heavyweight : M. Ito beat Kashinath Singh (Bengal), and K. Sone beat Nandlal Singh (Bengal).

BOXING

Western India Boxing at Bombay, March, 1953 :

The results were :

Bantamweight : P. J. Khatau beat P. Daruwala.

Featherweight : A. Sequeira beat R. Davey.

Lightweight : R. Desanges beat D. Maasey. Referee stopped the fight in the first round.

Light-welterweight : V. Banaji beat A. Baker

Welterweight : Peter Prince beat C. Smith.

Light-heavyweight : Vincent Pereira beat C. Corin.

Heavyweight : P. Scott beat E. Sopher.

Japan vs. India, at Calcutta, March, 1953 :

Japan beat India by five bouts to one.

The results were :

Flyweight : A. Bhattacharjee beat Manzo Idehara.

Bantamweight : Kichio Mujake beat Saktil Mazumdar.

Featherweight : Toshito Ishimaru beat J. N. Mukherjee. Referee stopped the fight in the third round.

Light-heavyweight : Yollchi Suzuki beat Ashok Ganguli.

Light-welterweight : Hiroyuki Kaji beat G. Hay.

Welterweight : Toshito Oonuki beat Louis Borthwick. Referee stopped the fight in the third round.

Japanese Boxers in India at Bombay, March, 1953 :

The results were :

Japan beat India four bouts to one.

Flyweight : Manzo Idehara beat A. Thomas.

Bantamweight : Yoshio Mujake beat P. Daruwala. Referee stopped the fight in the third round.

Featherweight : Toshito Ishimaru beat A. Sequeira.

Light-welterweight : Hiroyuki Kaji beat Water Parkinson. Referee stopped the fight in the third round.

Welterweight : Peter Prince beat Toshiro Oonuki.

Inter-national Boxing at Bombay, February, 1953 :

Terry Wakeling (Great Britain-151 lb.) beat Vincent Pereira (India-157 lb.), the Referee stopping the fight in the third round.

Peter Prince (India-148 lb.) beat Terry Wakeling (Great Britain-151 lb.) on points.

Burmese Boxers in India, at Calcutta, November, 1953 :

Bengal beat Burma by six bouts to two.

The results were :

Light-flyweight : Ranjit Bose beat L. Monteen (Burma).

Flyweight : P. Boog (Burma) beat W. Fergrade ; P. Das beat Aye Ko (Burma).

Featherweight : Arzoo beat R. Ellis (Burma).

Bantamweight : Thein Maung (Burma) beat R. Johannes.

Welterweight : P. Hassett beat V. Johnson (Burma)

Lightweight : G. Hay beat Maung Myint

Light-middleweight : Louis Borthwick beat R. Bagley.

At Bombay, November, 1953 :

Bombay beat Burma by six bouts to two

The results were :

Welterweight : Peter Prince beat R. Bagley (Burma).

Light-heavyweight : Ron Norris beat V. Johnson (Burma).

Lightweight : B. Bose beat Maung Myint (Burma).

Bantamweight : Percy Khatau beat V. Thein Maung (Burma).

Flyweight : P. Bhattacharjee beat Aye Ko (Burma), Sammy Khatau beat P. Boong (Burma).

Featherweight : R. Ellis (Burma) beat P. Daruwala.

Light-flyweight : L. Monteen (Burma) beat P. Hassan.

There was no national boxing tournament in 1953.

CHESS

The results of the principal tournaments were :

Hyderabad Championship, April, 1953 :

S. M. Razvi 1. C. Bapi Raju 2. Lt. Colquhoun and S. Hussein Ali (tie) 3.

Madras Championship, July, 1953 :

G. S. Dikshit 1. D. Venkaya 2. S. Narayanan 3.

Capt. Ranade Memorial Championship, at Poona, May, 1953 :

G. S. Dikshit 1. P. L. Khadilkar 2. S. V. Samant 3.

Bombay State Open Championship, December, 1953

R. B. Sapre 1. M. M. Rao 2. B. D. Alurkar 3.

FIRST NATIONAL GAMES

The results of the First National Games held between March 4 and March 7 are as follows :

Services' athletes swept all before them in claiming the championship of the First National Games (these games were termed Olympic games in previous years) with an aggregate of 139 points, as against 28 points secured by Punjab, who obtained the second place. Delhi filled the third place, with 23 points

The women's championship went to Bombay, with 55 points, Bihar and Bengal tied for the second place, with 8 points each, while Madhya Bharat finished third, with 6 points.

This was a record-breaking meet, for as many as thirty-three national records were broken.

METEOROLOGY

Normal Monthly and Annual Maximum Temperature in Shade at Selected Stations in India.

Stations	Elevation in feet	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
HILL STATIONS		° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.
Darjeeling	7,432	47.0	47.8	55.4	61.2	62.9	64.9	65.7	65.6	64.6	61.7	55.6	50.5	58.6
Shillong	4,921	60.1	62.5	70.4	74.1	74.0	74.5	75.3	75.1	74.3	71.1	66.0	61.6	69.9
Simla	7,224	47.5	48.8	57.0	65.9	73.2	75.1	70.9	68.4	68.4	64.3	58.3	50.6	62.4
COASTAL STATIONS														
Bombay	35	83.2	83.1	86.2	89.1	91.1	88.5	85.5	85.0	85.5	88.8	89.4	86.6	86.8
Madras	51	85.3	88.3	91.4	95.5	101.3	90.6	90.3	94.8	93.9	90.1	85.4	84.1	92.2
STATIONS ON THE PLAINS														
Allahabad	322	74.8	79.2	91.7	102.6	107.1	102.7	92.1	89.4	91.5	90.4	83.4	75.7	90.1
Calcutta	21	79.6	83.7	92.5	96.8	95.6	92.4	89.5	89.0	89.9	89.2	84.2	79.4	88.5
Kanpur	413	71.9	77.0	89.4	99.4	106.2	102.7	92.4	89.7	90.9	91.2	82.8	74.0	89.0
Cuttack	87	83.1	88.2	96.6	101.2	101.4	95.5	89.5	89.0	90.0	89.7	85.0	81.2	90.9
New Delhi	710	70.0	75.8	87.0	98.8	106.1	104.3	95.1	92.5	92.7	92.0	83.9	73.6	89.3
Lucknow	371	73.9	78.6	90.8	101.4	105.4	100.2	92.4	90.5	91.9	91.4	83.9	75.9	89.7
Patna	173	73.0	77.8	89.8	98.9	100.3	96.2	90.7	89.1	89.7	88.6	82.1	74.6	87.6
PLATEAU STATIONS														
Dehra Dun	2,289	66.1	69.3	79.4	90.0	96.0	93.7	86.5	84.5	84.8	82.9	75.4	68.7	81.4
Nagpur	1,021	83.7	88.2	96.7	104.2	108.7	99.5	88.3	87.3	89.8	90.6	85.5	81.7	92.0

Normal Monthly and Annual Minimum Temperature in Shade at Selected Stations in India.

Stations		Elevation in feet	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	
HILL STATIONS		For elevation, see table of maximum temperature normals	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	
Darjeeling	35.4		36.6	43.0	48.8	52.4	56.5	58.0	57.7	56.0	50.2	43.1	36.6	47.9		
Shillong	38.8		42.4	50.8	57.0	59.1	63.0	64.6	64.0	61.6	54.8	46.2	40.0	53.5		
Simla	35.4		36.1	43.6	50.6	57.7	60.1	59.2	59.2	56.3	51.4	44.2	39.3	49.4		
COASTAL STATIONS																
Bombay	66.7		67.4	71.9	76.1	79.6	78.6	76.7	76.1	75.7	75.6	72.5	68.8	73.8		
Madras	67.1		68.4	72.4	78.1	81.7	81.1	79.3	78.0	77.2	75.0	71.9	68.9	74.9		
STATIONS ON THE PLAINS																
Allahabad	47.1		50.9	61.0	71.4	79.9	82.9	79.8	78.5	76.6	67.1	54.3	47.1	66.4		
Calcutta	54.6		59.4	68.8	75.5	77.5	78.6	78.6	78.3	78.0	73.8	63.7	55.0	70.2		
Kanpur	45.7		51.0	60.1	70.6	80.4	83.0	79.9	78.7	76.2	66.0	53.9	46.5	66.0		
Cuttack	59.8		64.8	71.8	77.5	79.9	79.6	78.3	74.1	77.8	74.4	65.8	58.7	72.2		
New Delhi	45.1		49.0	58.6	70.5	80.1	83.6	80.1	74.0	75.8	65.3	52.6	44.2	65.3		
Lucknow	47.1		51.4	60.6	70.8	78.3	81.7	79.5	78.6	76.5	66.5	54.1	47.3	66.0		
Patna	51.1		54.8	64.3	73.5	78.1	79.9	79.9	70.7	78.9	72.8	61.0	52.3	68.9		
PLATEAU STATIONS																
Dehra Dun	44.0	46.6	54.1	62.5	70.1	74.1	73.8	72.9	69.5	60.3	51.1	45.1	60.3			
Nagpur	56.0	59.9	66.7	74.5	80.9	79.6	75.5	75.0	74.2	66.5	59.1	53.8	68.5			

Normal Monthly and Annual Rainfall at Selected Stations in India.

Stations					Elevation in feet	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
HILL STATIONS					For elevation, see table of maximum temperature normals	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Darjeeling	..	..	..	..		0.53	1.19	1.88	4.11	9.63	24.18	32.92	26.56	18.90	5.41	0.81	0.27	126.42
Shillong	..	..	..	..		0.53	1.06	1.97	5.10	11.29	18.16	13.65	12.49	11.79	6.72	1.61	0.28	84.64
Simla	..	..	..	..		2.61	2.92	2.36	1.81	2.53	6.04	10.30	16.85	6.68	1.18	0.52	1.24	61.04
COASTAL STATIONS																		
Bombay	..	..	..	..		0.14	0.08	0.05	0.03	0.65	10.06	24.27	13.39	10.39	2.54	0.53	0.08	71.21
Madras	..	..	..	..		1.41	0.41	0.29	0.61	1.03	1.86	3.60	4.58	4.68	12.04	13.96	5.45	49.92
STATIONS ON THE PLAINS																		
Allahabad	..	..	..	..		0.85	0.63	0.56	0.17	0.63	5.04	12.56	10.03	8.36	2.34	0.31	0.31	41.82
Calcutta	..	..	..	..		0.37	1.17	1.86	1.75	5.49	11.69	12.81	12.92	9.95	4.48	0.81	0.18	62.98
Kanpur	..	..	..	..	0.56	0.66	0.29	0.22	0.32	3.19	10.75	11.20	6.79	1.30	0.35	0.28	35.91	
Cuttack	..	..	..	..	0.32	0.78	1.04	1.07	3.57	9.95	12.89	13.40	9.76	5.34	1.62	0.23	59.97	
New Delhi	..	..	..	..	0.99	0.83	0.51	0.33	0.52	3.08	7.03	7.23	4.84	0.40	0.10	0.43	26.24	
Lucknow	..	..	..	..	0.76	0.72	0.34	0.25	0.77	4.46	12.00	11.50	7.40	1.28	0.22	0.32	40.02	
Patna	..	..	..	..	0.59	0.74	0.42	0.27	1.40	7.14	11.58	13.09	8.60	2.30	0.34	0.22	46.69	
PLATEAU STATIONS																		
Dehra Dun	..	..	..	..	2.32	2.47	1.26	0.65	1.45	8.55	26.30	28.79	10.62	1.26	0.85	1.02	85.04	
Nagpur	..	..	..	..	0.37	0.65	0.60	0.60	0.76	8.82	14.60	11.42	8.01	2.17	0.77	0.47	49.24	

**SUB-DIVISIONAL MEANS OF RAINFALL IN EACH MONTH AND DURING THE SEASON AS A WHOLE
JUNE TO SEPTEMBER 1953.**

SUB-DIVISIONS.	JUNE TO SEPTEMBER			
	Actual.	Normal.	Departure from Normal.	Percentage Departure from Normal.
	2	3	4	5
1. Bay Islands	68.9	70.9	- 2.0	- 3
2. Assam (including Manipur and Tripura)	61.2	59.8	+ 1.4	+ 2
3. West Bengal	54.9	56.9	- 2.0	- 3
3(a). Sub-Himalayan West Bengal	74.6	86.8	- 12.2	- 14
3(b). Gangetic West Bengal	46.5	45.0	+ 1.5	+ 3
4. Orissa	41.2	43.0	- 1.8	- 4
5. Chota Nagpur	55.5	43.0	+ 12.5	+ 29
6. Bihar	47.1	42.5	+ 4.6	+ 11
7. Uttar Pradesh, East	53.3	37.3	+ 16.1	+ 43
8. Do. do. West	33.5	35.1	- 1.6	- 5
9. Punjab (I) (including PEPSU and Delhi)	24.1	20.5	+ 3.7	+ 18
10. Jammu and Kashmir †	—	—	—	—
11. Rajasthan, West	10.0	9.9	+ 0.1	+ 1
12. Do. East (including Ajmer)	20.6	24.6	- 4.0	- 16
13. Madhya Bharat (including Bhopal)	26.1	34.9	- 8.7	- 25
14. Vindhya Pradesh	39.9	41.7	- 1.9	- 4
15. Madhya Pradesh, East	52.5	51.5	+ 1.0	+ 2
16. Do. do. West	34.9	39.2	- 4.3	- 11
17. Gujarat	38.3	29.8	+ 8.5	+ 29
18. Saurashtra and Kutch	29.7	17.5	+ 12.2	+ 70
19. Konkan	109.9	94.4	+ 15.5	+ 16
20. Deccan (Desh)	24.6	20.8	+ 3.8	+ 18
21. Hyderabad, North	37.7	28.1	+ 9.7	+ 34
22. Do. South	24.6	22.8	+ 1.8	+ 8
23. Coastal Andhradesa	22.9	19.8	+ 3.1	+ 16
24. Rayalaseema	17.7	15.3	+ 2.5	+ 16
25. Tamilnad	12.8	11.2	+ 1.6	+ 14
26. Malabar and South Kanara	90.6	100.3	- 9.7	- 10
27. Mysore	24.4	22.9	+ 1.5	+ 7
28. Travancore-Cochin	52.9	51.8	+ 1.1	+ 2
Mean of India excluding Kashmir, and Bay Islands	35.4	33.1	+ 2.3	+ 7

† Data not available.

MONSOON RAINFALL SUMMARY 1953

The south-west monsoon set in over Travancore-Cochin by the 7th June, about a week after the usual date, but extended over the whole country by the end of the month.

The monsoon was vigorous in the Konkan between the 18th and 21st causing floods in many parts in the northern districts.

Locally heavy to very heavy rain also occurred in Berar on the 21st and in sub-Himalayan West Bengal, Assam and north Bihar on the 26th.

Rainfall in July was fairly well distributed and in excess over the whole country, although no depressions formed during this month in the Bay of Bengal.

Locally heavy rain in south Deccan (Desh) was responsible for floods in the Kolhapur district.

Floods were also reported from Assam and many parts of north Bihar, due to active monsoon conditions during the month.

The monsoon continued to be fairly active over north India and in Konkan throughout August. It was vigorous in Orissa on the 3rd, in Madhya Pradesh between the 3rd and 5th and in the north Punjab (I) on the 3rd. Very heavy rainfall was recorded in south-east Madhya Pradesh on the 13th.

The heavy rainfall in south-east Madhya Pradesh during the first half of the month was responsible for severe floods in the deltaic region of the river Godavari.

The monsoon was again vigorous in the north Konkan, Gujarat and Saurashtra during the first week of September. Also very heavy rainfall was recorded in sub-Himalayan West

Bengal on the 10th and in Assam between the 10th and 14th.

The south-west monsoon withdrew from the country outside the south Peninsula by the 8th October, and gradually from the whole country towards the end of October.

The rainfall during the monsoon as a whole, was in large excess in Saurashtra and Kutch and in moderate excess in Chota Nagpur, east Uttar Pradesh, Gujarat and north Hyderabad. It was in slight excess in Bihar, the Punjab (I), the Konkan, Deccan (Desh), coastal Andhradesa, Rayalaseema and Tamilnad, and normal over the rest of the country, except in sub-Himalayan West Bengal, east Rajasthan, Madhya Bharat and west Madhya Pradesh where it was in slight to moderate defect.

Averaged over the plains of India, the rainfall was 7 per cent in excess.

SOCIETIES AND INSTITUTIONS

Note 1. Some all-India organizations are listed here.

Note 2. Reference should also be made to societies listed under individual States.

Note 3. Societies have been grouped under the following headings :

Commercial, Industrial, Trade.

Educational.

Literary and Art.

Medical.

Political.

Professional.

Religious and Semi-Religious.

Scientific and Research.

Trade Unions.

Welfare Agencies.

Women's Associations.

Youth Associations.

COMMERCIAL, INDUSTRIAL, TRADE

ADVERTISING AGENCIES ASSOCIATION OF INDIA, C/o Everest Advertising Ltd., 192, Hornby Road, Bombay 1.

ALL INDIA BOBBIN MANUFACTURERS' ASSOCIATION, 5, Ali Chambers, Tamarind Lane, Fort, Bombay.

ALL INDIA EXPORTERS' ASSOCIATION, Churchgate House, Churchgate Street, Fort, Bombay.

ALL INDIA FEDERATION OF MASTER PRINTERS, C/o The Bolton Fine Art Litho Works Building, 274, Tardoo Road, Bombay 7.

ALL INDIA FOOD PRESERVERS' ASSOCIATION, 18-A, Aurangzeb Road, New Delhi.

ALL INDIA GLASS MANUFACTURERS' FEDERATION, Hotel Regal, Queen's Road, New Delhi.

ALL INDIA IMPORTERS' ASSOCIATION, Churchgate House, Churchgate Street, Fort, Bombay.

ALL INDIA JUTE MILL BOBBIN MANUFACTURERS' ASSOCIATION, P-11, Mission Row Extension, Calcutta 1.

ALL INDIA KISAN CONGRESS, 2, Ferozeshah Road, New Delhi.

ALL INDIA MANUFACTURERS' ORGANIZATION, Industrial Assurance Building, Opp. Churchgate Station, Fort, Bombay.

ALL INDIA OIL SEEDS GROWERS' ASSOCIATION, Nibubrolu, South India.

ALL INDIA ORGANIZATION OF INDUSTRIAL EMPLOYERS, 28, Ferozshah Road, New Delhi 5.

ALL INDIA PLASTIC MANUFACTURERS' ASSOCIATION, Chowpatty Chambers, Sandhurst Bridge, Bombay.

ALL INDIA RADIO MERCHANTS' ASSOCIATION, Fateh Manzil, Opera House, Bombay 4.

ALL INDIA SINDWORK MERCHANTS' ASSOCIATION, Commissariat Building, 231, Hornby Road, Bombay 1.

ALL INDIA VILLAGE INDUSTRIES ASSOCIATION, Magawadi, Wardha (Madhya Pradesh).

AMATEUR CINE SOCIETY OF INDIA, C/o I. H. Makani, Esq., Clifton Studio, Standard Building, Hornby Road, Bombay 1.

ASSOCIATION OF INDIAN IMPORTERS OF DYE STUFFS, Fort Chambers, Hamam Street, Fort, Bombay.

ASSOCIATION OF INDIAN INDUSTRIES, Industrial Assurance Building, Opp. Churchgate Station, Fort, Bombay 1.

ASSOCIATION OF MERCHANTS AND MANUFACTURERS OF TEXTILE STORES AND MACHINERY (INDIA), Sir Vithaldas Chambers, 16, Apollo Street, Fort, Bombay 1.

AUTOMOTIVE MANUFACTURERS' ASSOCIATION OF INDIA, 23-B, Netaji Subhas Road, Calcutta. 1.

CINEMATOGRAPH EXHIBITORS' ASSOCIATION OF INDIA, Sandhurst Building, Sandhurst Road, Bombay 4.

DEPARTMENT OF COMMERCIAL INTELLIGENCE AND STATISTICS (GOVERNMENT OF INDIA), 1, Council House Street, Calcutta.

DOOARS BRANCH INDIAN TEA ASSOCIATION, Mal P.O., Dooars

EMPLOYERS' FEDERATION OF INDIA, Elphinstone Building, Vir Nariman Street, Bombay 1.

FEDERATION OF BRITISH INDUSTRIES, Head Office : 21, Tothill Street, London, S.W.1. Indian Branch Office : United India Building, Sir Phirozeshah Mehta Road, Bombay 1.

FEDERATION OF ELECTRICITY UNDERTAKINGS OF INDIA, Killick Building, Home Street, Bombay 1.

FEDERATION OF WOOLLEN MANUFACTURERS IN INDIA, J.K. Building, Dougall Road, Ballard Estate, Bombay

FILM FEDERATION OF INDIA, Sandhurst Building, Sandhurst Road, Bombay 4.

INDIAN CANVAS PROOFERS' AND FABRICATORS ASSOCIATION, P-11, Mission Row Extension, Calcutta 1.

INDIAN CHEMICAL MANUFACTURERS' ASSOCIATION, Shrinivas House, Outram Road, Bombay 1.

INDIAN CHEMICAL MANUFACTURERS' ASSOCIATION, 12, Netaji Subhas Road, Calcutta 1.

INDIAN COLLIERY OWNERS' ASSOCIATION, Jharia, Bihar.

INDIAN CONFECTIONERY MANUFACTURERS' ASSOCIATION, 23-B, Netaji Subhas Road, Calcutta 1.

INDIAN COUNCIL FOR PROMOTION OF INTERNATIONAL TRADE, Kermani Building, Sir Phirozeshah Mehta Road, Fort, Bombay 1.

INDIAN AND EASTERN NEWSPAPER SOCIETY, 27, Barakhamba Road, New Delhi.

INDIAN ELECTRICAL MANUFACTURERS' ASSOCIATION, 35, Stephen House, Dalhousie Square, Calcutta 1.

INDIAN ENGINEERING ASSOCIATION, Royal Exchange Building, Clive Street, Calcutta.

INDIAN INSTITUTE OF ART IN INDUSTRY, Artistry House, 15, Park Street, Calcutta.

INDIAN JUTE MILLS ASSOCIATION, Royal Exchange, Post Box No. 280, Calcutta.

INDIAN LAMP FACTORIES' ASSOCIATION, P-11, Mission Row Extension, Calcutta 1.

INDIAN LEATHER FEDERATION, Melvishram (N. A. District).

INDIAN MANUFACTURERS' EXPORT ASSOCIATION, Nath Brothers, Kashi House, Connaught Place, New Delhi.

INDIAN MINING ASSOCIATION, Royal Exchange, Calcutta 1.

INDIAN MINING FEDERATION, 135, Canning Street, Calcutta

INDIAN MOTION PICTURE DISTRIBUTORS' ASSOCIATION, Mogul Lane, Off Sitaladevi Temple Road, Mahim, Bombay 16.

INDIAN MOTION PICTURE PRODUCERS' ASSOCIATION, Sandhurst Building, Sandhurst Road, Bombay 4.

INDIAN NATIONAL STEAMSHIP OWNERS' ASSOCIATION, Scindia House, Ballard Estate, Bombay 1.

INDIAN ROADS AND TRANSPORT DEVELOPMENT ASSOCIATION LTD., 27, Bastion Road, Bombay 1.

INDIAN STOCK EXCHANGE LTD., Lakshmi Building, Sir Phirozeshah Mehta Road, Fort, Bombay 1.

INDIAN SUGAR MILLS' ASSOCIATION, 102-A, Clive Street, Calcutta.

INDIAN TEA ASSOCIATION, 2, Clive Street, Calcutta.

INDIAN TOBACCO MERCHANTS' ASSOCIATION, Tobacco Warehouse, Clive Road, Bombay 9.

KINEMATOGRAPH RENTERS' SOCIETY OF INDIA, BURMA AND CEYLON, LTD., Haroon House, Bazar Gate Street, Fort Bombay 1.

MOTION PICTURE SOCIETY OF INDIA, Sandhurst Bldg, Sandhurst Road, Bombay 4.

PRESS ASSOCIATION OF INDIA, 196-B, Gaiwadi, Girgaum, Bombay 4.

SILK MERCHANTS' ASSOCIATION, Dahanukar Building, Kalbadevi Road, Bombay 2.

TEXTILE ASSOCIATION (INDIA), Ganesh Bhuvan, Supriabaug Road, Parcel, Bombay 12.

UNITED CHAMBER OF TRADE ASSOCIATIONS, Chandni Chowk, Delhi.

WINE, SPIRIT AND BEER ASSOCIATION OF INDIA, Royal Exchange, Calcutta 1.

YARN MERCHANTS' ASSOCIATION, LTD., 111, Chawala Building, Tambakanta, Bombay 3.

Chambers of Commerce

ASSOCIATED CHAMBERS OF COMMERCE OF INDIA, Royal Exchange, 6, Netaji Subhas Road, Calcutta.

FEDERATION OF INDIAN CHAMBERS OF COMMERCE AND INDUSTRY, 28, Ferozshah Road, New Delhi.

INDIAN CHAMBER OF COMMERCE, 23-B, Netaji Subhas Road, Calcutta 1.

INDIAN MERCHANTS' CHAMBER, Lalji Naranji Memorial, Indian Merchants' Chamber Building, Churchgate Street, Fort, Bombay 1.

INTERNATIONAL CHAMBER OF COMMERCE, INDIAN NATIONAL COMMITTEE, 28, Ferozshah Road, New Delhi.

Insurance Associations

ACTUARIAL SOCIETY OF INDIA, Churchgate House, Churchgate Street, Fort, Bombay.

ALL-INDIA CO-OPERATIVE INSURANCE SOCIETIES' ASSOCIATION, Co-operative Insurance Building, Sir Phirozeshah Mehta Road, Fort, Bombay.

ALL-INDIA INSURANCE FIELD WORKERS' ASSOCIATION, P-11, Mission Row Extension, Calcutta.

ASSOCIATION OF INDIAN INSURANCE OFFICES, Aryasthan Insurance Building, 15, Chittaranjan Avenue, Calcutta 13.

ASSOCIATION OF LIFE ASSURANCE OFFICES IN INDIA, North British Building, 5-7, Netaji Subhas Road, Calcutta.

ASSOCIATION OF MUTUAL LIFE OFFICES IN INDIA, BOMBAY.

FEDERATION OF INDIAN INSURANCE COMPANIES, New Asiatic Building, Connaught Circus, New Delhi.

INDIAN INSURANCE COMPANIES' ASSOCIATION, Industrial Assurance Building, Opp. Churchgate Station, Bombay

INDIAN INSURANCE COMPANIES' ASSOCIATION, Calcutta.

INDIAN INSURANCE COMPANIES ASSOCIATION (CEYLON), 52, Bailie Street, Colombo.

INDIAN INSURANCE INSTITUTE, P-11, Mission Row Extension, Calcutta

INDIAN INSURANCE SOCIETY, Calcutta.

INDIAN LIFE ASSURANCE OFFICES ASSOCIATION, Industrial Assurance Building, Opp. Churchgate Station, Bombay.

INSURANCE CLUB, Kodarma.

INSURANCE UNDERWRITERS' ASSOCIATION OF INDIA, 14, Netaji Subhas Road, Calcutta.

NATIONAL EMPLOYERS' MUTUAL GENERAL INSURANCE ASSOCIATION LTD., Kanani Chambers, 32, Nicol Road, Ballard Estate, Bombay 1.

POLICYHOLDERS' ASSOCIATION OF INDIA, 8-N, Creek Lane, Calcutta.

PROVIDENT INSURANCE COMPANIES' ASSOCIATION, Mherwan Building, Sir Phirozshah Mehta Road, Fort, Bombay.

PROVIDENT INSURANCE COMPANIES' ASSOCIATION OF INDIA, 15, Chittaranjan Avenue, Calcutta.

SOUTH INDIA INSURANCE ASSOCIATION, Andhra Insurance Building, Thamu Chetty Street, Madras.

EDUCATIONAL

ALL-INDIA COUNCIL FOR TECHNICAL EDUCATION, C/o Ministry of Education, New Delhi.

ALL-INDIA FEDERATION OF EDUCATIONAL ASSOCIATIONS, 6523, Paranjothi Street, Secunderabad - Dn.

ALL-INDIA PRIMARY TEACHERS' FEDERATION, Gokhale Society Lane, Poibavdi, Bombay 12.

BNARAS MATHEMATICAL SOCIETY, Department of Mathematics, Lucknow University, Lucknow.

BOTANICAL SOCIETY OF BENGAL, Department of Botany, 35, Ballygunj Circular Road, Calcutta 19.

HINDUSTAN TALIMI SANGH, Sevagram, Wardha.

INDIAN ADULT EDUCATION ASSOCIATION, 30, Falz Bazar, Delhi.

INDIAN COUNCIL OF CHILD EDUCATION, Sumanas, 39, Edward Elliotts Road, Mylapore, Madras 4.

INDIAN INSTITUTE OF ARCHITECTS, Prospect Chambers Annex, Hornby Road, Fort, Bombay.

INDIAN INSTITUTE OF METALS, 23B, Netaji Subhas Road, Calcutta.

INSTITUTION OF ENGINEERS (INDIA), 8, Gokhale Road, Calcutta.

THE MINING, GEOLOGICAL AND METALLURGICAL INSTITUTE OF INDIA, 27, Chowringhee, Calcutta.

ORIENTAL INSTITUTE, Baroda.

PRAJNA PATHASHALA, Wal (Dt. Satara).

RASHTRA BHASHA PRACHAR SAMITI, Wardha, (Madhya Pradesh).

S. I. HINDI PRACHAR SABHA, Madras 17.

VEDIC SAMSHODHANA MANDIR, Poona 2.

LITERARY AND ART

ALL-INDIA LIBRARY ASSOCIATION, Calcutta.

ACADEMY OF FINE ARTS, Indian Museum House, 27, Chowringhee, Calcutta.

ALL-INDIA FINE ARTS AND CRAFTS SOCIETY, Parliament Street, New Delhi.

ART SOCIETY OF INDIA, Sandhurst House, Sandhurst Road, Bombay 4.

B.M. SOCIETY, Chitrakoot, Ellis Bridge, Ahmedabad.

BANGIYA SAHITYA PARISHAD, Calcutta.

BHARATA GANITA PARISHAD (Formerly Benares Mathematical Society), Lucknow University, Lucknow.

BHARATA ITIHASA SAMSHODHAKA MANDALA, 312-13, Sadashiv Peth, Poona City.

BHARATIYA VIDYA BHAVAN, Bombay.

BOMBAY ART SOCIETY, Jehangir Art Gallery, Mahatma Gandhi Road, Bombay 1.

CAMERA PICTORIALISTS OF AHMEDABAD, Salapose, Ahmedabad 1.

CAMERA PICTORIALISTS OF BOMBAY, C/o Messrs. Continental Photo Stores, 243-45, Hornby Road, Bombay 1.

DELHI SHILPI CHAKRA, 26, Gole Market, New Delhi.

HINDUSTANI ACADEMY, Allahabad (U.P.).

INDIAN ACADEMY OF FINE ARTS, Cooper Road, Amritsar.

INDIAN HISTORY CONGRESS, C/o Dr. P. C. Gupta, Secretary, 125, Rashbehari Avenue, Calcutta 29.

INDIAN INSTITUTE OF ART IN INDUSTRY, Artistry House, 15, Park Street, Calcutta 16.

INDIAN INSTITUTE OF CULTURE, 6, North Public Square Road, Basavangudi, Bangalore City.

INDIAN MATHEMATICAL SOCIETY, Gwyer Hall, University of Delhi, Delhi.

INDIAN SOCIETY OF ORIENTAL ART, 11, Wellington Square, Calcutta.

KALAKSHETRA—INTERNATIONAL ACADEMY OF THE ARTS, Adyar, Madras 20.

KANNAD SAHITYA PARISHAD, Bangalore.

MAHARASHTRA SAHITYA PARISHAD, Poona.

MYSORE PHOTOGRAPHIC SOCIETY, 50, Sri Ram Mandir Road, Bangalore 4.

NAGARI PRACHARIMABHA, Banaras.

NATIONAL ACADEMY OF LETTERS, New Delhi.

NIHARIKA. THE CLUB OF GUJERAT PICTORIALISTS, Chitra Studios, Sarangpur, Ahmedabad.

P. E. N. ALL-INDIA CENTRE, 'Aryasanga', 22, Narayan Dabholkar Road, Malabar Hill, Bombay 6.

PHILATELIC SOCIETY OF INDIA, C/o E. Franklin DeSouza, 30-C, Khotachi Wadi, Bombay 4.

PHOTOGRAPHIC SOCIETY OF BENGAL, 24-B, Hindustan Park, Calcutta 29.

PHOTOGRAPHIC SOCIETY OF NEW DELHI, 6/73, W. E. Area, Karol Bagh, New Delhi.

PHOTOGRAPHIC SOCIETY OF INDIA, Sahib Building, 195, Dadabhai Naoroji Road, Bombay 1.

PHOTOGRAPHIC SOCIETY OF SURAT, Surat.

PROGRESSIVE ARTISTS' ASSOCIATION, P.O. Box 32, Srinagar (Kashmir).

THE ROYAL ASIATIC SOCIETY, Calcutta.

SANGEET NATAK AKADEMI, New Delhi.

SRI CHAITRALAYAM, Trivandrum.

SOUTH INDIAN SOCIETY OF PAINTERS, Madras.

MEDICAL

CHRISTIAN MEDICAL ASSOCIATION OF INDIA, PAKISTAN, BURMA AND CEYLON, Nelson Square, Nagpur.

INDIAN CANCER SOCIETY, Tata Memorial Hospital, Park, Bombay 12.

INDIAN MEDICAL UNION, C/o Dr. S. S. Ugrankar, Lakshmi Bldg., Sir P. M. Road, Bombay 1.

INDIAN RED CROSS SOCIETY, 20, Talkatora Road, New Delhi.

NEO-MALTHUSIAN LEAGUE, 6/11, Gandhipuram, 5, Coimbatore, South India.

ST. JOHN AMBULANCE ASSOCIATION (INDIA), AND ST. JOHN AMBULANCE BRIGADE (INDIA), 20, Talkatora Road, New Delhi 2.

TUBERCULOSIS ASSOCIATION OF INDIA, 20, Talkatora Road, New Delhi.

POLITICAL

AKHIL BHARAT HINDU MAHASABHA, Hindu Mahasabha Building, Reading Road, New Delhi.

AKHIL BHARAT RAM RAJYA PARISHAD, Nigam Bodh Ghat, Kashmiri Gate, Delhi.

ALL-INDIA ANGLO-INDIAN ASSOCIATION, Central Office, Hindustan Times Building, Connaught Circus, New Delhi.

ALL INDIA BHARTIYA JAN SANGH, Ajmere Gate, Delhi.

ALL-INDIA CIVIL LIBERTIES UNION, C/o Servants of India Society, Poona 4.

ALL INDIA FORWARD BLOC, Patna.

ALL INDIA GANATANTRA PARISHAD, Cuttack, Orissa.

ALL INDIA PEACE COUNCIL, 14, Munshi Niketan, Kamla Market, New Delhi.

ALL INDIA SCHEDULED CASTES FEDERATION, 207, Gherpadepeh, Poona 2.

COMMUNIST PARTY OF INDIA, Opposite Irwin Hospital, New Delhi.

CONGRESS FOR CULTURAL FREEDOM, Maneckji Wadia Bldg., Mahatma Gandhi Road, Bombay 1.

DEMOCRATIC RESEARCH SERVICE, Maneckji Wadia Bldg., Mahatma Gandhi Road, Bombay 1.

FOREIGN RELATIONS SOCIETY OF INDIA, New Delhi.

FRIENDS OF BURMA SOCIETY, 17, Horniman Circle, Fort, Bombay.

INDIAN COUNCIL OF WORLD AFFAIRS, Kashi House, Connaught Place, New Delhi 1.

INDIAN NATIONAL CONGRESS, 7, Jantar Mantar Road, New Delhi.

INDIA-CHINA FRIENDSHIP ASSOCIATION, Neelam Chambers, 350, Lamington Road, Bombay 7.

INDO-JAPANESE ASSOCIATION, Wodehouse Road, Bombay 1.

INDO-SOVIET CULTURAL SOCIETY, Naaz Building, Lamington Rd., Bombay 4.

JHARKHAND PARTY, Patna, Bihar.

KISAN MAZDOOR MANDAL, Inside Itwara Gate, Bhopal.

KRISHNAHAR LOK PARTY, C/o Prof. N. G. Ranga, 154-C, North Avenue, New Delhi.

PEASANTS AND WORKERS PARTY, 279, Shivajinagar, Poona 5.

PEOPLE'S DEMOCRATIC FRONT, Narayanga, Hyderabad-Deccan.

PRAJA SOCIALIST PARTY, National House, 6, Tulloch Road, Apollo Bunder, Bombay.

PROVINCIAL ZAMINDAR (UNIONIST) PARTY, Camp Office, Sonapat, District, Rohtak (Punjab).

PURSHARTHI PANCHAYAT, Khari Khui, Ajmer.

REVOLUTIONARY SOCIALIST PARTY, 37, Ripon Street, Calcutta 16.

SHIROMANI AKALI DAL, Amritsar.

TAMILNAD TOILERS PARTY, Government Estate, Madras 2.

TRAVANCORE TAMILNAD CONGRESS PARTY, Nagercoil.

PROFESSIONAL

AMATEUR CINE SOCIETY OF INDIA, C/o J. B. Whyte & Co., 105, Hornby Road, Bombay 1.

ENGINEERING ASSOCIATION OF INDIA, 23B, Netaji Subhas Road, Calcutta.

INDIAN ENGINEERING ASSOCIATION, Bombay Branch, C/o The Chamber of Commerce, Bombay 1.

INSTITUTE OF CHARTERED ACCOUNTANTS OF INDIA, Room Nos. 99-102, Gurdwara Road Hutments, New Delhi.

INSTITUTION OF ENGINEERS (INDIA), 8, Gokhale Road, Calcutta 20.

MECHANICAL ENGINEERS' ASSOCIATION (INDIA), Jannabhooni Chambers, 29, Fort Street, Fort, Bombay 1.

RELIGIOUS AND SEMI-RELIGIOUS

ADI BRAHMO SAMAJ, 55, Upper Chitpur Road, Calcutta 7.

ALL-INDIA ARYA DHARMA SEVA SANGH, Birla Lines, Delhi.

BHARATVARSHIYA BRAHMO SAMAJ, '05, Keshub Sen Street, Calcutta 9.

BIBLE SOCIETY OF INDIA, PAKISTAN AND CEYLON, A/1, Mahatma Gandhi Road, Bangalore 1, South India.

CHILD EVANGELISM FELLOWSHIP, 2, Jubilee Road, Poona 1.

CHILDREN'S SPECIAL SERVICE MISSION, C/o The N. I. C. Tract and Book Society, 18, Clive Road, Allahabad 1.

CHRISTIAN EDUCATIONAL COUNCIL OF SOUTH INDIA, Weston Training College, Madras 14.

CHRISTIAN ENDEAVOUR UNION, Arcot Theological Seminary, Vellore, South India.

CHRISTIAN HOME MOVEMENT FOR SOUTH INDIA, Vishranthi Nilayam, 13, Cubbon Road, Bangalore 1.

CHRISTIAN MEDICAL ASSOCIATION OF INDIA, PAKISTAN, BURMA AND CEYLON, Nelson Square, Nagpur.

CHRISTIAN SOCIETY FOR THE STUDY OF HINDUISM, 129, Dasaswamedhi, Banaras.

EVANGELICAL FELLOWSHIP OF INDIA, Kadhwa, U.P.

INDIA SUNDAY SCHOOL UNION, Coonoor, Nilgiri Hills (South India).

INDIAN INSTITUTE OF SOCIAL ORDER, 4, Boat Club Road, Poona 1.

INDUSTRIAL MISSIONARY ASSOCIATION, Pasmalal, Madura District, South India.

RAMAKRISHNA MISSION AND MATH, P.O. Belur Math, Dt. Howrah, W. Bengal.

SADHARAN BRAHMO SAMAJ, 211, Cornwalls Street, Calcutta 6.

SCRIPTURE GIFT MINISTRY OF INDIA, 13, Cubbon Road, Bangalore.

SOCIETY FOR THE PROMOTION OF CHRISTIAN KNOWLEDGE, 1, Dickenson Road, Bangalore; P.O. 501, Park Town, Madras 3.

STUDENT CHRISTIAN MOVEMENT, Spencecroft, 7-a, Tannery Road, Cleveland Town, Bangalore.

SWADHYAYA MADAL, Pardl, Dist. Satara.

THEOSOPHICAL SOCIETY, Adyar, Madras.

THEOSOPHY COMPANY (INDIA), LTD., 51, Mahatma Gandhi Road, Fort, Bombay 1.

UNITED LODGE OF THEOSOPHISTS, 51, Mahatma Gandhi Road Bombay 1.

WOMEN'S CHRISTIAN TEMPERANCE UNION, 24, Rajpur Road, Delhi.

SCIENTIFIC AND RESEARCH

AERONAUTICAL SOCIETY OF INDIA, Talkatora Road, New Delhi.

GEOLOGICAL MINING AND METALLURGICAL SOCIETY OF INDIA, Geology Department, Presidency College, Calcutta 12.

INDIAN ASSOCIATION OF ANALYST AND ANALYTICAL CHEMIST, Office of Public Analyst to Govt., Lucknow.

INDIAN BOTANICAL SOCIETY, Botanical Department, Institute of Science, Mayo Road, Bombay.

INDIAN CERAMIC SOCIETY, Department of Ceramics, Banaras Hindu University, Banaras.

INDIAN CHEMICAL SOCIETY, 92, Upper Circular Road, Calcutta.

INDIAN COUNCIL OF MEDICAL RESEARCH, 'P' Block, Raisina Road, P.B. 494, New Delhi.

INDIAN DAIRY SCIENCE ASSOCIATION, Hosur Road, Bangalore 1.

INDIAN INSTITUTE OF CHEMICAL ENGINEERS, Grosvenor House, 21, Old Court House Street, Calcutta.

INDIAN MATHEMATICAL SOCIETY, Madras 4.

INDIAN PHARMACEUTICAL ASSOCIATION, Department of Chemical Technology, Matunga, Bombay 19.

INDIAN PHYSICAL SOCIETY, C/o Indian Association for the Cultivation of Science, Jadavpur, Calcutta 32.

INDIAN SCIENCE CONGRESS ASSOCIATION, 1, Park Street, Calcutta 16.

INDIAN SOCIETY OF AGRICULTURAL STATISTICS, No. 31 P, New Delhi.

INDIAN SOCIETY OF SOIL SCIENCES, Indian Agricultural Research Institute, Pusa Buildings, New Delhi.

INDIAN STATISTICAL INSTITUTE, 204-Barrackpore Trunk Road, Calcutta 35.

INSTITUTION OF CHEMIST (INDIA), Chemical Department, Medical College, Calcutta 12.

NATIONAL ACADEMY OF SCIENCES, Lajpat Rai Road, Allahabad 2.

NATIONAL INSTITUTE OF SCIENCES OF INDIA, Mathura Road, New Delhi.

OIL TECHNOLOGICAL SOCIETY OF INDIA, H.B. Technological Institute, P.O. Kanpur (U.P.).

PHYSIOLOGICAL SOCIETY OF INDIA, University College of Science, Department of Physiology, 92, Upper Circular Road, Calcutta 9.

ROYAL AGRICULTURAL AND HORTICULTURAL SOCIETY OF INDIA, Alipore Road, Calcutta.

SOCIETY OF BIOCHEMISTRY AND EXPERIMENTAL MEDICINE, Department of Physiology, Presidency College, Calcutta 12.

SOCIETY OF BIOLOGICAL CHEMISTS (INDIA), P.O. Malleswaram, Bangalore.

SOCIETY OF PEDIATRICS, 56/2, Creek Row, Calcutta 14.

SOCIETY FOR THE STUDY OF INDUSTRIAL MEDICINE, Tata Main Hospital, Jamshedpur, E.I. Railway.

SUGAR TECHNOLOGIST ASSOCIATION OF INDIA, Nawabgunj, Kanpur.

ZOOLOGICAL SOCIETY OF INDIA, Zoological Survey of India, Indian Museum, 27, Chowringhee, Calcutta.

RESEARCH INSTITUTIONS AND LABORATORIES

Scientific

B.C.G. LABORATORY, KING INSTITUTE OF PREVENTIVE MEDICINE, Guindy, Madras.

BENGAL IMMUNITY RESEARCH INSTITUTE, Calcutta.

BIRBAL SAHNI INSTITUTE OF PALEOBOTANY, Lucknow.

BOSE RESEARCH INSTITUTE, 93, Upper Circular Road, Calcutta.

BOTANICAL SURVEY OF INDIA, Royal Botanical Garden, Sibpur, Calcutta.

CENTRAL BUILDING RESEARCH INSTITUTE, Roorkee.

CENTRAL COCONUT RESEARCH STATION, Kayamkulam, Travancore.

CENTRAL DRUGS LABORATORY, 110, Chittaranjan Avenue, Calcutta.

CENTRAL DRUGS RESEARCH INSTITUTE, Lucknow.

CENTRAL ELECTRO-CHEMICAL RESEARCH INSTITUTE, Kundra Road, P.O. Sekklair, Karaikudi.

CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE, Chebuvamba Mansion, V.V. Mohalla, Mysore.

CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, P.O. Jadavpur College, Calcutta.

CENTRAL INLAND FISHERIES RESEARCH STATION, P.O. Barrackpore, P/a Calcutta.

CENTRAL LABORATORIES FOR SCIENTIFIC AND INDUSTRIAL RESEARCH, P.O. Kumal, Osmanli, Hyderabad.

CENTRAL MARINE FISHERIES RESEARCH STATION, P.O. Mandapam (Madras).

CENTRAL POTATO RESEARCH INSTITUTE, Patna.

CENTRAL RESEARCH INSTITUTE, Kasauli.

CENTRAL RICE RESEARCH INSTITUTE, Nayabazar Post, Cuttack.

CENTRAL ROAD RESEARCH INSTITUTE, P.O. Okhla, New Delhi.

CENTRAL SALT RESEARCH STATION, Bhavnagar.

CENTRAL SERICULTURAL RESEARCH STATION, Berhampur (West Bengal).

CENTRAL TOBACCO RESEARCH STATION, Rajahmundry.

CENTRAL VEGETABLE BREEDING STATION, Kulu (Punjab).

CENTRAL WATER & POWER RESEARCH STATION, Poona.

CIGARETTE TOBACCO RESEARCH STATION, Guntur.

DEEP SEA FISHING STATION, Botawala Chambers, Sir Pherozshah Mehta Road, Bombay.

DR. K. T. GAJJAR LABORATORY, Mherwan Building, Sir Pherozshah Mehta Road, Bombay.

DRUG RESEARCH LABORATORY, Pilani.

FISHERIES DEPARTMENT, MARINE BIOLOGICAL RESEARCH STATION, Taraporewala Aquarium, Bombay.

FOREST RESEARCH INSTITUTE, Dehra Dun.

FOREST RESEARCH LABORATORY, Malleswaram, Bangalore.

FRUIT RESEARCH INSTITUTE, Sabour P.O., Dist. Bhagalpur.

FRUIT RESEARCH INSTITUTE, Coimbatore.

FUEL RESEARCH INSTITUTE, Digwadih (Dhanbad).

GEODETTIC AND RESEARCH BRANCH, SURVEY OF INDIA, Dehra Dun.

GEOLOGICAL SURVEY OF INDIA, 27, Chowringhee Road, Calcutta.

HAFFKINE INSTITUTE, Parel, Bombay.

HYDRAULIC RESEARCH LABORATORIES, Poona.

INDIAN AGRICULTURAL RESEARCH INSTITUTE, New Delhi.

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE, 210, Bow Bazar St., Calcutta.

INDIAN CANCER RESEARCH CENTRE, Bombay.

INDIAN CENTRAL COTTON COMMITTEE, TECHNOLOGICAL LABORATORY, Matunga, Bombay 19.

INDIAN DAIRY RESEARCH INSTITUTE, Bangalore.

INDIAN INSTITUTE FOR MEDICAL RESEARCH, Calcutta.

INDIAN INSTITUTE OF SCIENCE, Bangalore 3.

INDIAN LAC RESEARCH INSTITUTE, Ranchi.

INDIAN METEOROLOGICAL DEPARTMENT, New Delhi.

INDIAN VETERINARY RESEARCH INSTITUTE, Mukteswar, Kumaon, U.P.

INDIA TEA ASSOCIATION RESEARCH INSTITUTE, Tookla, Assam.

INDUSTRIAL RESEARCH LABORATORY AND BENGAL TANNING INSTITUTE, Calcutta.

INSTITUTE OF RADIO PHYSICS AND ELECTRONICS, Calcutta.

INSTITUTE OF NUCLEAR PHYSICS, 92, Upper Road, Calcutta.

INSTITUTE OF PLANT INDUSTRY, Indore.

INSTITUTE OF PSYCHOLOGICAL RESEARCH AND SERVICE, Patna.

IONOSPHERIC RESEARCH STATION, Harrighatta, Calcutta.

JUTE AGRICULTURAL RESEARCH INSTITUTE, Central Jute Committee, Barrackpore (West Bengal).

JUTE TECHNOLOGICAL RESEARCH LABORATORY, Calcutta.

LABORATORIES OF INDIAN ACADEMY OF SCIENCE, Malleswaram, Bangalore.

MAHARASHTRA ASSOCIATION FOR THE CULTIVATION OF SCIENCE, Poona.

MALARIA INSTITUTE OF INDIA, Delhi.

NATIONAL CHEMICAL LABORATORY, Poona.

NATIONAL METALLURGICAL LABORATORY, Jamshedpur.

NATIONAL PHYSICAL LABORATORY, Hill Side Road, New Delhi.

NUTRITION RESEARCH LABORATORIES, Coonoor.

OIL TECHNOLOGICAL INSTITUTE, Anantapore (Madras).

PADDY RESEARCH STATION, Nagina, Dist. Bijnour.
PASTEUR INSTITUTE AND MEDICAL RESEARCH INSTITUTE, Shillong.
PASTEUR INSTITUTE OF SOUTHERN INDIA, Coonoor.
PASTEUR INSTITUTE, Patna.
PHYSICAL RESEARCH LABORATORY, Ahmedabad.
RAMAN RESEARCH INSTITUTE, Indian Academy of Science, Hebbal Post, Bangalore.
SRI RAM INSTITUTE OF INDUSTRIAL RESEARCH, 19, University Road, Civil Lines, Delhi.
SUGARCANE RESEARCH INSTITUTE, Bhadrak, Jail Road, Lucknow (U.P.).
SUGARCANE RESEARCH STATION, Pusa, Bihar.
SUGARCANE RESEARCH STATION, Poona.
SUGARCANE RESEARCH STATION, Shah-jehanpur.
SUGAR RESEARCH INSTITUTE, Coimbatore.
TATA INSTITUTE OF FUNDAMENTAL RESEARCH, Apollo Pier Road, Bombay.
TOBACCO RESEARCH STATION, Anand (Bombay).
TUCKLAI EXPERIMENTAL STATION, Cinnamara P.O. (Assam).
ZOOLOGICAL SURVEY OF INDIA, Jabakusum House, 34, Chittaranjan Avenue, Calcutta.

Humanistic

ANJUMAN-I-ISLAM URDU RESEARCH INSTITUTE, Hornby Road, Bombay.
ARCHAEOLOGICAL SURVEY OF INDIA, New Delhi.
BHANDARKAR ORIENTAL RESEARCH INSTITUTE, Poona.
B. J. INSTITUTE OF LEARNING AND RESEARCH, Bhadra, Ahmedabad.
CENTRAL PEDAGOGICAL RESEARCH INSTITUTE, Allahabad.
DECCAN COLLEGE POST-GRADUATE & RESEARCH INSTITUTE, Poona.
GANGANATH JHA RESEARCH INSTITUTE, Allahabad.
GOOKHALE INSTITUTE OF POLITICS AND ECONOMICS, Poona.
INDIAN HISTORICAL RESEARCH INSTITUTE, St. Xavier's College, Bombay.
INDIAN INSTITUTE OF EDUCATION, 11, Elphinstone Circle, Bombay.
INDIAN INSTITUTE OF PHILOSOPHY, Anand, East Khandesh.
INSTITUTE OF CHILD DEVELOPMENT, Pharmacy College, Navrangpura, Ahmedabad.
KANNADA RESEARCH INSTITUTE, Dharwar.
KUPPUSWAMI SASTRI RESEARCH INSTITUTE, Mylapore, Madras.
MARATHI SANSHODHAN MANDAL, Mumbai Marathi Granthasanghralaya, Thakurdwar, Bombay.
NATIONAL INSTITUTE OF PRACTICAL PSYCHOLOGY, Sunamn House, Malabar Hill, Bombay.
ORIENTAL INSTITUTE, Baroda.
PRACHYAVANI (Institute of Oriental Learning), Calcutta.
RAMAVARMA RESEARCH INSTITUTE, C/o Deptt. of Archaeology, Trivandrum.
SIE J. J. Z. MADRESSA, Engineer's Buildings, Princess Street, Bombay.
THE BHARTIYA VIDYA BHAVAN, Chowpatty, Bombay.
VENKATESVARA RESEARCH INSTITUTE, Tirupati.
VISHVESHVARANAND VEDIC RESEARCH INSTITUTE, Hosharpur.

TRADE UNIONS

ALL-INDIA BANK EMPLOYEES' ASSOCIATION, Bombay.
ALL-INDIA DEFENCE EMPLOYEES' FEDERATION, 70, Market Street, Kirkee, Poona 3.
ALL-INDIA POSTAL AND R.M.S. UNION, 24, Daryaganj, Delhi.
ALL-INDIA RESERVE BANK EMPLOYEES' ASSOCIATION, Bombay.
ALL-INDIA TRADE UNION CONGRESS, C/o Opposite Irwin Hospital, New Delhi.
HIND MAZDOOR SABHA, C/o 6, Tulloch Road, Apollo Bunder, Bombay 1.
INDIAN NATIONAL TRADE UNION CONGRESS, C/o 7, Jantar Mantar Road, New Delhi.
MARITIME UNION OF INDIA, 204, Hornby Road, Fort, Bombay 1.
NATIONAL RAILWAY WORKERS' FEDERATION, Mylapore, Madras.
UNITED TRADE UNION CONGRESS, Bowbazar St., Calcutta.

WELFARE AGENCIES

ALL-INDIA CRIME PREVENTION SOCIETY, Old Post Office Building, Hazratganj, Lucknow.
ALL-INDIA ISMAILIA HELPING SOCIETY, Kersasp Building, Dongri Street, Bhimpura.
INDIA SEVA SAMITI, Malaviya Road, Allahabad.
ALL-INDIA ZIONIST FEDERATION, 63/67, Meadows Street, Fort, Bombay 1.
BHARATIYA ADIMJATI SEVAK SANGH, Kingsway, Delhi 9.
CONVENTION OF THE TEACHERS OF THE DEAF IN INDIA, 50, Bondel Road, Ballyganj, Calcutta 19.
DEPRESSED INDIA ASSOCIATION, Association's New Building, Clarke Road, P.O. Jacob Circle, Bombay 11.
FAMILY PLANNING ASSOCIATION OF INDIA, 5, Carmichael Road, Bombay 26.
GANDHI SMARAK NIDHI, 5, Mansingh Road, New Delhi 2.
INDIA VILLAGE SERVICE, Malinpur, U.P.
INDIAN CONFERENCE OF SOCIAL WORK, 16, Government Hutments, 6/A, Cooperage, Bombay 1.
INDIAN NATIONAL SOCIETY, Soho House, Lohar Chawl, Bombay 2.
INDIAN RAILWAY PASSENGERS' CONFERENCE ASSOCIATION, Ruby House, Colaba Tram Terminus, Bombay 6.
KASTURBA GANDHI NATIONAL MEMORIAL TRUST, P.O. Kasturbagram, Dist. Indore, Madhya Bharat.
NATIONAL ASSOCIATION FOR THE BLIND, C/o Victoria Memorial School for the Blind, Tardeo, Bombay 7.
NATIONAL EMPLOYMENT SERVICE, Directorate-General of Resettlement and Employment, Gurdwara Road, New Delhi.
PASSENGERS AND TRAFFIC RELIEF ASSOCIATION, Anand Bhavan, 346, Hornby Road, Bombay 1.
SAFETY FIRST ASSOCIATION OF INDIA, Indian Globe Building, Fort Street, Bombay 1.
SERVANTS OF INDIA SOCIETY, Poona 4.
SOCIETY FOR THE PROTECTION OF CHILDREN IN INDIA, 2-B, Camac Street, Calcutta.
UNITED COUNCIL FOR RELIEF AND WELFARE, Kashtrapathi Bhavan, New Delhi.

UNITED KINGDOM CITIZENS' ASSOCIATION, Bishop's House, 51, Chowringhee Road, Calcutta.

YOUNG MEN'S CHRISTIAN ASSOCIATION, 5, Russell Street, Calcutta 16.

WOMEN'S ASSOCIATIONS

ALL-INDIA WOMEN'S CONFERENCE, Hon. General Secretary, 759/31, Deccan Gymkhana, Poona 4.
ALL INDIA WOMEN'S FOOD COUNCIL, Jamnagar House, Mansingh Road, New Delhi.
ALL-INDIA WOMEN'S RESERVE MEDICAL UNIT, 7, York Road, New Delhi.
ASSOCIATION FOR MORAL AND SOCIAL HYGIENE IN INDIA, Room No. 211-A, P-Block, Raisina Road, New Delhi.
FEDERATION OF UNIVERSITY WOMEN IN INDIA, Windsor House, Churchgate Reclamation, Bombay 1.
NATIONAL COUNCIL FOR WOMEN IN INDIA, Western House, C Block, Curzon Road, New Delhi.
NURSES AUXILIARY OF THE CHRISTIAN MEDICAL ASSOCIATION OF INDIA, PAKISTAN, BURMA AND CEYLON, Nelson Square, Nagpur.
TRAINED NURSES ASSOCIATION OF INDIA, 28, Allpore Road, Delhi 8.
WOMEN'S CHRISTIAN TEMPERANCE UNION, 24, Rajpur Road, Delhi.
YOUNG WOMEN'S CHRISTIAN ASSOCIATION OF INDIA, Parliament Street, New Delhi.

YOUTH ASSOCIATIONS

ALL-INDIA BOY SCOUTS' ASSOCIATION, 7, Jangpura B Extension, Mathura Road, New Delhi 14.
HALKAN-JI-BARI-AKHIL HIND BALAK SANGH, 'Gullistan', Khar, Bombay 21.
BHARAT SCOUTS AND GUIDES, Regal Buildings, Parliament Street, New Delhi.

BANKS ASSOCIATIONS

ALL-INDIA BANKERS' ASSOCIATION, 151, Canning Street, Calcutta.
INDIAN BANKS ASSOCIATION, Devkaran Nanjee Building, Horniman Circle, Fort, Bombay.

SOCIAL

ALL-INDIA SEVA SAMITI, Malaviya Road, Allahabad.
INDIAN CONFERENCE OF SOCIAL WORK, Central Office, 16, Government Hutments, 6/A, Cooperage, Bombay 1.
SERVANTS OF INDIA SOCIETY, Sardar Vallabhbhai Patel Road, Bombay 4.

SPORTS

ALL-INDIA AMATEUR ATHLETIC ASSOCIATION, Ajmer.
ALL-INDIA BADMINTON ASSOCIATION, C/o Secretariat of Sporting Associations, Brabourne Stadium, Bombay.
ALL-INDIA FOOTBALL ASSOCIATION, Calcutta.
ALL-INDIA HOCKEY ASSOCIATION, Khalsa College, Amritsar.
ALL-INDIA LAWN TENNIS ASSOCIATION, Madras.
INDIAN OLYMPIC ASSOCIATION, C/o Mr. Motilal Huq, Bankipur, Patna.
ALL-INDIA RIFLE SHOOTING ASSOCIATION, Tankaria Road, Ahmedabad.
ALL-INDIA TABLE TENNIS FEDERATION, Madras.
THE BOARD OF CONTROL FOR CRICKET IN INDIA, Calcutta.
THE NATIONAL RIFLE ASSOCIATION, New Delhi.

GOVERNMENT OF INDIA BUDGET

The following table shows the budget estimates of the Government of India for 1954-55 at a glance :

	REVENUE		
	Budget 1953-54	(In Lakhs of Rs.) Revised 1953-54	Budget 1954-55
Customs	1,70,00	1,60,00	1,75,00
Union Excise Duties	94,00	93,55	92,60
			+ 11,85*
Corporation Tax	36,62	38,40	38,35
Taxes on Income other than Corporation Tax	68,08	69,31	70,67
Estate Duty	—	—	25
Opium	2,00	2,07	1,85
Interest	3,05	2,78	2,78
Civil Administration	11,18	10,34	10,48
Currency and Mint	15,69	15,41	20,42
Civil Works	1,63	1,62	1,63
Other Sources of Revenue	8,69	10,09	7,92
Posts and Telegraphs—Net contribution to general revenues	2,30	2,02	1,50
Railways—Net contribution to general revenues	7,65	7,50	7,37
Extraordinary Items	18,47	—	10,21
Total—Revenue	4,39,26	4,13,69	4,41,03
			+ 11,85*
	EXPENDITURE		
	Budget 1953-54	Revised 1953-54	Budget 1954-55
Direct Demands on Revenue	32,49	30,92	32,19
Irrigation	19	19	16
Debt Services	37,17	38,45	40,00
Civil Administration	71,27	68,57	86,08
Currency and Mint	2,57	2,56	2,63
Civil Works and Miscellaneous Public Improvements	15,06	14,75	15,54
Pensions	8,36	8,59	8,45
Miscellaneous—			
Expenditure on refugees	12,67	12,67	10,23
Subsidy on foodgrains	—	1,77	—
Other Expenditure	8,34	9,98	9,74
Grant to States, etc.	26,37	26,36	32,48
Extraordinary Items	24,44	15,78	23,97
Defence Services (Net)	1,99,84	1,99,68	2,05,62
Total—Expenditure	4,38,81	4,30,63	4,67,09
Surplus(+)	45	16,96	14,21
Deficit (—)	—	—	—
Overall Deficit	—	—	2,38,00

*Effect of Budget Proposals.

The capital expenditure provided works out to Rs. 145.7 crores

TAX CHANGES

Changes in taxes, duties, excise are as follows :

No Change in Income-tax and Corporation Tax.

Customs Duties :

1. Preferential import duty on betel-nuts increased by six and a half annas per pound from as. 9-6 to a rupee per pound. (Plus Rs. 300 lakhs).

2. Increased duties on about 40 items including plastic and rubber insulated cables, electric fans and electric conduits. Preference given to the U.K. on the import of motor-cars, motor-car parts and batteries to be abolished on the expiry of the period agreed under GATT. (Plus Rs. 125 lakhs).

3. Existing import duty on raw cotton of two annas per pound to be abolished. (Minus Rs. 400 lakhs).

4. Existing import duties on three categories of steel, namely, sheets, plates and rails, averaging 12.5 per cent. *ad valorem* to be abolished. (Minus Rs. 25 lakhs).

Net effect of changes on customs revenue : nil.

Union Excise :

1. Duty on cotton cloth increased from two annas to two annas six pies per yard in respect of superfine varieties, from one anna three pies to one anna six pies per yard in the case of fine cloth, and from three pies to six pies per yard in respect of medium and coarse varieties. (Plus Rs. 6.5 crores).

2. New duty of one anna six pies per yard on art silk fabrics.¹ Manufacturers of handlooms and units which have fewer than ten power-looms to be exempted; and

Levy of an additional three pies per yard, corresponding to a similar levy which is now being made on cotton cloth, for the development of the handloom industry. (Plus Rs. 160 lakhs).

3. New duty of five rupees per ton on cement. (Plus Rs. 175 lakhs).

New ten per cent. *ad valorem* duty on factory-made foot-wear.² Hand-made footwear is exempted. (Plus Rs. 80 lakhs).

New duty on soap³ at Rs. 5-4 per cwt. on washing soap in bars of one pound and more in weight, Rs. 6-2 per cwt. on other washing soap and Rs. 14 per cwt. on toilet and other soaps. (Plus Rs. 120 lakhs).

The incidence of these imposts will not generally exceed ten per cent. of the value. Cottage industry products of soap and footwear will be exempted.

Total net additional revenue from excise duties is Rs. 11.85 crores.

HEADS OF REVENUE

Here are some heads of revenue not shown above or not shown separately (figures in thousands of rupees) :

Land revenue 52,93; State excise duties 15,48; Stamps 1,45,13; Forest 1 10,70; Registration 1,99; Receipts under Motor Vehicle Acts 4,80; Other taxes and duties 7,07; Posts and telegraphs (gross) 45,66,00; Administration of justice 2,00; Jails and convict settlements 53; Police 17,27; Ports and pilotage 35,88; Light-houses and light ships 29,51; Education 13,25; Medical 21,00; Public health 10,61; Agriculture 61,91; Veterinary 10,00; Co-operation 2; Aviation 68,30; Broadcasting 1,30,36; Miscellaneous departments 77,90; Currency 19,04,44; Mint 1,37,75; Multi-purpose river schemes 20; Electricity Schemes (gross) 673; Receipts in aid of superannuation 9,48; Stationery and printing 45,25; Road and water transport schemes (gross) 9,10; Defence receipts (effective) 10,75,92; Defence receipts (non-effective) 10,00.

HEADS OF EXPENDITURE

Here are some heads of expenditure not shown above or not shown separately (figures in thousands of rupees) :

Civil works 15,13,83; Multi-purpose river schemes 40,36; Famine 5; Territorial and political pensions 21,16; Privy purses and allowances to Indian rulers 4,82,34; Superannuation allowances and pensions 3,42,13; Army 1,32,95,11; Navy 12,14,38; Air Force 35,90,45; Defence Services non-effective 15,48,18; Grants-in-aid to States 32,44,90; Miscellaneous adjustments between Union and State Governments 2,76; Extraordinary charges 22,23,21; Community Development Projects 38,63; Civil defence 1,20; Pre-partition payments 1,36,00.

Development of tea industry 83,00; Development of coffee industry 5,00; Ground water exploration 1,31,00; Family planning 30,00.

DEMANDS FOR GRANTS

Below are some Demands for Grants and Appropriations (figures are in thousands of rupees) :

Posts and Telegraphs Department 48,40,64; Meteorology 1,14,66; Overseas Communications Service 98,56; Aviation 2,53,14; Archaeology 48,79; Other Scientific Departments 2,18,76; Education 12,14,51; Tribal areas 4,36,95; External affairs 5,85,75; Territorial and political Pensions 21,16; Forest 43,28; Agriculture 8,96,94; Civil veterinary services 39,03; Medical services 1,51,12; Public health 6,84,01; Cabinet 25,94; Police 1,03,24; Census 20,58; Andamans and Nicobars 1,96,96; Broadcasting 2,32,17; Employment exchanges and resettlement 1,29,25; Survey of India 1,43,79; Botanical survey 6,93; Zoological survey 4,49; Geological survey 56,57; Mines 26,01; Scientific research 3,21,91; Displaced persons 10,23,51; Kutch 1,16,97; Bilaspur 37,80; Manipur 82,71; Tripura 1,31,97; Ports and pilotage 62,39; Lighthouses and light ships 79,89; Central Road Fund 4,62,52; Communications (including national highways) 4,88,85; Stationery and printing 5,27,27; Parliament 1,03,43; Secretariat of Vice-President 83; Staff household, allowances of President 16,22; Union Public Service Commission 22,22.

1. One anna and six pies per yard duty on art silk to be converted into duty of one anna.

2. Exemption limit raised in case of non-power operated section of factories employing upto 45 workers per day.

3. First 125 tons of laundry soap, and first 25 tons of toilet soap cleared from taxable factory after April 1, 1954 is exempt from duty.

CAPITAL TRANSACTIONS

Receipts are as follows (in lakhs of rupees):

	Revised 1953-54	Budget 1954-55
New Loans	77.36	78.28
Net Receipts from :		
Treasury Bills	80.00	2,50.00
Treasury Deposit Receipts	—15	—
Treasury Savings Deposit Certificates	6.50	7.50
Post Office Savings Bank	13.50	13.50
Defence Savings Bank Deposits	—1.22	—
Post Office Cash Certificates	—2.36	—2.07
National Savings Certificates	24.00	26.50
Defence Savings Certificates	—64	—20
Other Unfunded Debt	13.86	15.39
Railway Depreciation Fund	—8.49	—9.70
Revenue Reserve Fund (Railways)	1.05	1.18
Railway Development Fund	—8.52	—4.95
Telephone Development Fund	28	—15
P. & T. Renewals Reserve Fund	—35	—20
Other Miscellaneous Reserve Funds	—5	—27
Appropriations for Reduction or Avoidance of Debt	5.00	5.00
E.P.T. and Income-tax Deposits (net)	—15.35	—4.25
Discount Sinking Fund (net)	83	1.04
Payment by Reserve Bank for Rupee Coin	5.00	5.00
Repayment of Loans by States	18.69	20.90
Other Loan Repayments	2.47	2.74
Other Deposits and Advances (net)	78.87	27.84
Total	2,85.28	4,83.08
Deficit on Capital Account	32.82	—
	3,18.10	4,83.08

Disbursements are as follows (in lakhs of rupees):

	Revised 1953-54	Budget 1954-55
Capital Outlay :—		
Railways	17.78	33.93
Irrigation	40	25
Posts & Telegraphs	7.72	11.49
Industrial Development	7.43	24.10
Aviation	2.17	3.34
Broadcasting	32	1.24
Ports	2.65	5.31
Mint	33	72
New Capital at Delhi	1.30	6.07
Multi-purpose River Schemes	4.38	3.94
Electricity Schemes	23	76
Civil Works	13.98	25.05
Commutation of Pensions	30	28
Sterling Pensions	—7.16	—705
Defence Capital Outlay	10.36	17.75
Schemes of Government Trading	13	—3.11
Development Grants	—	16.00
Other Civil Heads	1.58	5.70
Discharge of permanent debt	1,16.50	53.02
Advance to State Governments	1,18.37	1,78.79
Other Loans and Advances	19.33	29.06
Total	3,18.10	4,06.62
Surplus on Capital Account	—	26.46
	3,18.10	4,33.08

SPECIFIC ALLOTMENTS

The following specific allotments for 1954-55 may be noted (figures in lakhs of rupees):

Council of Scientific and Industrial Research 55.00; Ind. Telephone Industries 85.00; Salt works 0.00; Hindustan Shipyard Ltd. 33.78; Penicillin Factory 39.45; Hindustan Machine Tools Ltd. 2.00.00; National Instruments Factory 32.00; D.D.T. factory 13.00; Heavy electrical equipment factory 50.00; Hindustan Steel Ltd. 10,00.00; Overseas Communications

Service 36.97; Housing Corporation Delhi 7.50; Eastern Shipping Corporation 92.50; Government Housing Factory 0.01; Hindustan Cables 40.00; Indian Airlines Corporation 4.49.37; Air India International 1.60.00; Oil exploration schemes 25.00; Synthetic oils 10.00; Civil explosives factory 40.00; National Research Development Corporation 5.00.

Posts 1,14.84; Telegraphs 2,20.08; Radios 15.98; Telephones 8.79.10.

National highways and other roads 13,32.30.

Forests 28.76; Agricultural improvement 1,25.56.

Payment to displaced persons 4,00.00; Houses for displaced persons 3,75.00.

Bhakra Nangal 23.30; Hirakud 14.50; Harike 75; Kosi, Koyna, Krishna, Chambal, Rihand 15.00.

For advance loans to Indian shipping companies 4.45.

New steel plant (Rourkela) 1,000.

DEBT POSITION

At end of 1953-54: Rs. 2,131 crores.

At end of 1954-55: Rs. 2,406 crores.

A broad analysis is given below (figures in rupees crores):

	As on March 31, 1954	As on March 31, 1955
Rupee Loans :		
Current Loans	1,366.05	1,391.29
Treasury Bills and Ways and Means Advances	405.29	655.29
Treasury Deposit Receipts	—	—
Special Floating Loan	212.60	212.60
Expired Loans	8.76	8.94
Total	1,992.70	2,268.12

Sterling Loans:

	As on March 31, 1954	As on March 31, 1955
Current Loans	1.13	.75
War Contribution	20.62	20.62
Capital portion of Railway Annuities	4.33	3.18
Expired Loans	0.05	0.05
Total	26.13	24.60

Dollar Loans	111.80	113.36
Grand Total	2,130.63	2,406.08

INTEREST-BEARING OBLIGATIONS AND INTEREST-YIELDING ASSETS

The obligations are as follows (figures in rupees lakhs):

	Revised 1953-54	Budget 1954-55
IN INDIA:		
Public Debt.		
Loans	13,66.05	13,91.29
Treasury Bills and Ways and Means Advances	4,05.29	6,55.29
Total public debt (India)	17,71.34	20,46.58

Unfunded Debt.

	Revised 1953-54	Budget 1954-55
Service Funds	0.40	0.38
P.O. Savings Bank Deposits and Defence Savings Bank Deposits	2,31.12	2,44.62
P.O. Cash and Defence Savings Certificates	7.45	5.18
National Savings Certificates	1,83.85	2,10.35
State Provident Funds	1,26.26	1,41.64
Ten-Year Treasury Savings Deposit Certificates	32.45	39.05
Other Items	12.13	12.44
Total Unfunded Debt (India)	5,93.66	6,54.76

	1953-54 Revised	1954-55 Budget
Deposits		
Deposits, Development and Reserve funds..	171.96	157.86
Other deposits	16.89	13.78
Total deposits (India)	188.85	171.64
Total obligations in India	2,553.85	2,872.98
IN ENGLAND :—		
Public Debt.		
Loans	1 13	0 75
War contribution	20 62	20 62
Capital portion of railway annuities in purchase of railways	4 33	3 18
Total public debt (England)	26.08	24.55
Unfunded Debt.		
Service funds (England)	2.89	2.28
Total obligations in England	28.97	27.37
DOLLAR LOANS	111.80	113.36
Total interest-bearing obligations..	2,694.62	3,013.71

CENTRAL HELP TO STATES

The following allotments to Parts A and B States are provided for in the 1954-55 budget (figures in lakhs of rupees.).

Share of taxes and duties : 72.27
 Grants and subventions from revenue : 66.49
 Grants and subventions from capital : 20.89
 Loans : 2,14.41
 Total allotment to Parts A and B States : 3,74.06
 Grant-in-aid to Kashmir against financial integration : 360
 Allotments to Part C States : 609
 Grand total of allotments to States : 3,83.75.

Lump sum grants to Parts A and B States are as follows (figures in lakhs of rupees):
 Development under F.F.I. Agreement 51;
 Rehabilitation 7.03; Grow More Food 4.50;
 Natural Calamities 2.00; Community Projects 7.50; National Extension Service 4.70; Basic and Social education 8.13; Welfare of Backward Classes 1.25; Key village and Gosadan 1.10; Resettlement of landless workers 5; Improvement of land records and agricultural statistics 10; Training of village level workers 58; Co-operative Training and experiment 15; Social Welfare 1.50; Soil conservation 25; Higher agricultural education 68; National malaria control 2.86; National filaria control 84; Industrial housing 6.00; Central Road Fund 4.80.

Total lump sum grants and subventions 56.94.

Lump sum loans are as follows :

Miscellaneous development 45.16; G.M.F. 3,612; Finance for agriculture 5.00; Rehabilitation 12.45; Community projects and national extension service 11.85; Industrial housing 6.00; Improvement in scarcity affected areas 15.00; Handloom and small scale industries 2.30; State Finance Corporations 1.75; Other Corporations and Municipalities 4.00; Other loans 8.56.

Total loans : 1,63.19.

Grand total of lump sum allotments : 2,20.13.

ALLOTMENTS BY CENTRE STATE-WISE

The following table shows some allotments by State (figures in lakhs of rupees) :

	Income-tax	Union Excise	Grants	Loans	Total
Madras	5.68	1.79	44	—	7.91
Andhra	3.26	1.03	35	—	4.64
Bombay	10.39	1.81	60	—	12.80
W. Bengal	6.68	1.25	2.71	10.64	21.28
U.P.	9.35	3.18	71	—	13.24
Punjab	1.93	64	1.68	20.38	24.63
Bihar	5.79	2.02	2.05	2.03	11.89
M.P.	3.12	1.07	86	—	5.05
Assam	1.34	45	3.58	—	5.37
Orissa	2.08	73	1.64	14.50	18.95
Hyderabad	2.67	94	55	—	4.16
Rajasthan	2.08	77	1.86	1.79	6.50
Mysore	12	4	3.97	—	4.13
M.B.	1.04	40	1.18	—	2.82
Travancore-Cochin	—	—	3.36	—	3.36
Saurashtra	—	—	4.32	—	4.32
PEPSU	45	17	58	1.88	3.08

Two items from the above table—Local works, Irrigation—may be specially mentioned.

Grants to States on account of local works are as follows :

Madras 41; Andhra 23; Bombay 40; West Bengal 28; U.P. 71; Punjab 10; Bihar 45; M.P. 25; Assam 11; Orissa 16; Hyderabad 21; Rajasthan 17; Mysore 11; Madhya Bharat 9; Travancore-Cochin 10; Saurashtra 5; PEPSU 4.

Grants to States on account of Irrigation are as follows :

West Bengal 10.64; Punjab 20.38; Bihar 2.03; Orissa 14.50; Rajasthan 1.79; PEPSU 1.88.

Grants-in-aid to Part C States (1954-55) having separate consolidated Funds (figures in lakhs of rupees) :

Delhi 12.90; Ajmer 1.36.00; Vindhya Pradesh 1,77.00; Himachal Pradesh 1,20.00; Bhopal 1,46.00.

Grants-in-aid for welfare of Scheduled Tribes and development of Scheduled Areas :

Ajmer 4.00; Bhopal 4.00; Vindhya Pradesh 7.00; Himachal Pradesh 1.00; Coorg 1.00.

Assets

The interest-yielding assets are as follows (figures in crores of rupees) :

	1953-54 Revised	1954-55 Budget
Capital advanced to Railways	875 16	909 14
Capital advanced to other commercial departments	88.24	105.24
Investments in commercial concerns	27 14	48.15
Capital advanced to States	422 00	579.89
Other interest-bearing loans	60 78	87 11
Debt due from Burma	48 15	48 15
Deposits with U.K. for redemption of Railway annuities	4.33	3.18
Purchase of annuities for Sterling pensions	178.03	170.98
Debt due from Pakistan	300 00	300.00
Total interest-yielding assets	2,003.83	2,251.84
Cash and securities held on Treasury account	70 44	70.71
Balance of total interest-bearing obligations not covered by above assets	620.35	601.16

RAILWAY BUDGET (1954-55)

The figures are in lakhs of rupees :

	Actuals 1952-53	Revised 1953-54	Budget 1954-55
Gross traffic receipts	270.56	272.00	273.25
Ordinary Working expenses	187.96	197.63	194.31
Appropriations to depreciation reserve	30.00	30.00	30.00
Payment to worked lines	21	24	22
Total working expenses	218.17	227.87	224.53
Net traffic receipts	52.39	44.13	48.72
Miscellaneous transactions :—			
Receipts	31	32	31
Expenditure	552	681	839
Net miscellaneous expenditure	521	649	808
Net railway revenues	47.18	37.64	40.64
Dividend to general revenues	33.99	34.46	35.50
Net gain or surplus	13.19	3.18	5.14

TRAFFIC RECEIPTS

An analysis of the gross traffic receipts are given below (figures in crores of rupees) :

	Actuals 1952-53	Revised 1953-54	Budget 1954-55
Passenger earnings (upper) ..	11.96	11.40	11.40
" " (third) ..	88.42	89.88	90.11
Other coaching earnings ..	18.17	18.00	17.50
Goods earnings ..	146.12	147.13	148.60
Other sundry earnings ..	5.12	5.03	5.07
Suspense ..	+0.77	+0.58	+0.57
TOTAL ..	270.56	272.00	273.25

WORKING EXPENSES

An analysis of the working expenses is given below (figures in lakhs of rupees) :

	Actuals 1952-53	Revised 1953-54	Budget 1954-55
Administration ..	26.18	27.41	28.20
Repairs and maintenance ..	64.21	67.26	66.73
Operating staff ..	41.16	42.93	44.02
Operation fuel ..	22.20	23.20	22.17
Operation (Other than staff and fuel) ..	13.48	13.76	10.02
Miscellaneous expenses ..	17.12	18.97	19.04
Labour welfare ..	3.64	4.10	4.21
Suspense ..	—3	—	—98
TOTAL ..	187.96	197.63	194.31
Appropriation to depreciation Reserve Fund ..	30.00	30.00	30.00
Payment to worked lines ..	21	24	22

SPECIFIC ALLOCATIONS

The total allocation for the works, machinery, rolling stocks programme is Rs. 95.00 crores. This sum is broadly distributed as follows (figures in lakhs of rupees) :

Rolling stock 55.35; Machinery and plant 3.78; New lines 4.98; Restoration of dismantled lines 1.43; Track renewals 13.03; Open-line works 24.04; Investment in road services 1.20; State railway collieries 88; Vizagapatam Port 56; Labour Welfare 125.

Allocations under new lines and major projects are as follows (figures in lakhs of rupees) :

Champa-Korba line (E.R.) 50.00; Direct link

between Assam and rest of India (N.E.R.) 1.62; Quilon-Ernakulam (S.R.) 1.00.00; Deesa-Gandhidham (W.R.) 55.00; Gandhidham-Kandla (W.R.) 50.00; Mokameh—rail-cum-road bridge over the Ganga 1.00; Electrification of Howrah-Burdwan main line (E.R.) 20.00; Pathankot-Madhupur (N.R.) 4.25.

Some allocations under works in progress are as follows (figures in lakhs of rupees) :

Kalyan Power House extensions (C.R.) 14; Kuria-Trombay facilities for oil refineries (C.R.) 25; Kalyan Power House—additional 18 M W plant (C.R.) 5; Bandra-Borivli electrification of main line (W.R.) 1; Coach building factory at Perambur 2.65; Chittaranjan Locomotive Works 5.

MISCELLANEOUS TRANSACTIONS

An analysis of the receipts under this head is as follows (figures in lakhs of rupees.) :

	Actuals 1952-53	Revised 1953-54	Budget 1954-55
Guarantee recoverable from Local Govts. for un-remunerative lines ..	—	1	1
Other receipts from subsidized Companies ..	4	3	3
Railway miscellaneous receipts ..	27	28	27
Total receipts ..	31	32	31

An analysis of the expenditure under the above head is as follows (figures in lakhs of rupees) :

	Actuals 1952-53	Revised 1953-54	Budget 1954-55
Rebate ..	—	—	—
Subsidy ..	6	7	8
Land ..	—	—	—
Surveys ..	2	5	10
Miscellaneous railway expenditure ..	1.39	1.56	1.59
Open line works (revenue) ..	4.05	5.13	6.62
Total expenditure ..	5.52	6.81	8.39
Net miscellaneous expenditure ..	5.21	6.49	8.08

Passenger amenities 3.00; Amenities for staff 10.05.

TRAVEL CONCESSIONS

Travel concessions were announced for circular tours, tours by students, monthly tickets, for students in non-suburban areas, return journey to hill stations.

Among new works to be undertaken were : electrification of suburban services of Calcutta, rail connection to the Garo hills, Pathankot-Madhupur broad gauge line.

Two more Railway Service Commissions were set up at Madras and Allahabad to recruit class III staff.

There will be only 2 categories of posts on the railways—selection posts and non-selection posts.

STATE BUDGETS

The budget estimates for 1954-55 for the States are given below.

AIJMER

Revenue : Rs. 2,25,87,000.
Expenditure : Rs. 2,25,87,000.
Revised estimates for 1953-54 : Revenue Rs. 1,80,05,000 ; Expenditure Rs. 1,77,53,000.
Some specific allotments : Education Rs. 78 lakhs ; Agriculture and Co-operation Rs. 9 lakhs.

ANDHRA

Revenue : Rs. 21,02.81 lakhs.
Expenditure : Rs. 24,01.99 lakhs.
Deficit : Rs. 2,99.18 lakhs.
Open market loans : Rs. 3,00.00 lakhs ; loans from Central Government : Rs. 7,20.00 lakhs ; floating loans : Rs. 2,00.00 lakhs ; capital expenditure : Rs. 10,18.85 lakhs.
Opening balance : Rs. 19.59 lakhs ; Closing : Rs. 4,56.69 lakhs.

Out of capital expenditure for irrigation Rs. 336.26 lakhs, electricity Rs. 524.08 lakhs, buildings Rs. 108.58 lakhs, compensation to zamindars Rs. 20 lakhs.

For Tungabhadra Rs. 150 lakhs, upper Pennar Rs. 30 lakhs, Rallapad Rs. 20 lakhs, Romperu Rs. 20 lakhs, Machkund (electrical) Rs. 301.21 lakhs, Tungabhadra (electrical) Rs. 195.71 lakhs.

Andhra University Rs. 20 lakhs, Sri Venkateshwara University Rs. 30 lakhs, uplift of Harijans Rs. 53.30 lakhs.

Central assistance in scarcity areas Rs. 5 crores, Scheduled Tribes Finance and Marketing Corporation Rs. 2 lakhs, Central grant for local

works Rs. 15 lakhs, State outlay on local works Rs. 9.4 lakhs.

Five-Year Plan total outlay : Rs. 60 crores.

ASSAM

Receipts : Rs. 1441.61 lakhs.
Expenditure : Rs. 1670.12 lakhs.
Deficit : Rs. 228.51 lakhs.
Revised estimates for 1953-54 : Revenue : Rs. 1439.81 lakhs ; Expenditure : Rs. 1493.10 lakhs ; Deficit : Rs. 53.29 lakhs.

Some features : enhancement of rate of tax for agricultural income ; increase of tax on trades, professions, callings and employments ; enhancement of the rate of sales tax on cigarettes and cigars ; tax on jute and manufactured tea carried by roads and inland water-ways in bales and chests.

Allotment for Plan schemes : Rs. 4.74 crores.

BIHAR

On the receipt side :
Opening balance Rs. 8,12,10,000 ; Ordinary revenue Rs. 29,25,28,000 ; Grants-in-aid Rs. 2,85,66,000 ; Loans Rs. 12,78,33,000. Total consolidated funds : Rs. 53,01,37,000.

On the expenditure side :
Revenue account Rs. 39,73,02,000 ; Capital expenditure Rs. 10,58,60,000 ; Grant of loan Rs. 2,29,38,000 ; Repayment of debts Rs. 70,78,000. Total expenditure from consolidated fund Rs. 53,31,78,000.

Closing balance .

Ordinary unspecified balance Rs. 73.64 lakhs ; Ordinary specified balance Rs. 42.95 lakhs ; Total Rs. 30.69 lakhs.

BOMBAY

The following table shows the budget at a glance :

	Receipts.		Expenditure.		Surplus or Deficit.	
	Rs.		Rs.		Rs.	
1954-55 (Estimates)	72,38,21,000	72,22,23,000	15,82,000	
1953-54 (Revised)	70,46,53,000	72,00,41,000	1,59,58,000	
1952-53 (Accounts)	62,49,86,000	68,44,27,000	5,94,41,000	

The following table gives the comparative figures of the principal heads of expenditure during 1953-54 and 1954-55 :

Heads of expenditure.	1953-54 (Revised).	1954-55 (Budget).
	Rs.	Rs.
General Administration	4,65,50,000	5,43,77,000
Administration of Justice	2,09,67,000	2,10,43,000
Jails and convict settlements	98,59,000	97,99,000
Police	9,06,97,000	9,10,47,000
Education	12,76,07,000	14,10,85,000
Medical	2,76,77,000	2,91,51,000
Public Health	1,66,67,000	2,10,86,000
Agriculture	4,10,18,000	1,80,38,000
Co-operation	78,70,000	80,09,000
Industries	92,47,000	1,11,31,000
Civil Works	4,35,77,000	4,62,14,000

On the basis of the revised estimates of the current year and the budget estimates of the next year, the position of the various funds at the end of 1954-55 is expected to be as follows :—

Famine Relief Fund	Rs. 8,68,000
State Road Fund	1,02,39,000
Sugarcane Cess Fund	1,58,53,000
Contingency Fund	2,00,00,000
Bombay State Development Fund	5,78,81,000
Bombay State Insurance Fund	28,79,000
Bombay State Milk Fund	28,11,000

The following heads of revenue may be noted (figures are in Rs. thousands) :

Union excise duties 1,80.65 ; Taxes on income other than corporation 10,32.00 ; Estate duty 25.00 ; Land revenue 7,40.45 ; State excise

67.48 ; Stamps (judicial) 2,72.92 ; Stamps (non-judicial) 1,39.24 ; Forest 2,82.82 ; Registration 30.10 ; Motor Vehicles Acts receipts 2,37.32 ; Other taxes and duties 24,61.70 ; Irrigation, navigation (net) 1,08.29 ; Interest (debt service) 1,75.75.

Some allotments : civil works Rs. 278 lakhs, education Rs. 175 lakhs.

Justice 83.13 ; Jails 18.51 ; Police 52.87 ; Ports and pilotage 5 ; Danga Dt. 51.30 ; Education 79.32 ; Medical 61.16 ; Public Health 49.86 ; Agriculture 62.21 ; Veterinary 1.19 ; Co-operation 11.69 ; Industries 49.12 ; Miscellaneous 94.88 ; Civil works 2,51.81 ; Bombay development schemes 26.51 ; Electricity 22.90 ; Stationery and printing 18.70 ; Grant-in-aid from Central Govt. 15.97.

Extra-ordinary receipts 1,80.01 ; Transfer from revenue reserve 2,50.00.

Total receipts under Debt Heads 3,98,31.95 ; opening balance 3,05.37 ; Total 4,01,37.32.

DELHI

Revenue : Rs. 445.41 lakhs.
Expenditure : Rs. 505.83 lakhs.
Deficit : Rs. 60.42 lakhs.
Revised estimates for 1953-54 :
Revenue Rs. 421.54 lakhs, expenditure Rs. 424.52 lakhs.

Delhi's budget does not include expenditure on police, law and order, buildings for which provision is made in the Central budget.

Allotments in Rs. lakhs : education 160.87 ; medical and health 60 ; displaced persons 58.89 ; general administration 27.52 ; irrigation 5.5 ; justice 12.73 ; jails 7.60 ; agriculture 21.35 ; veterinary hospitals 2.16 ; co-operation 2.46 ; industries and labour 4.99 ; community projects 6.28.

Grant from the Central Government for specific purposes : Rs. 83.89 lakhs.

HIMACHAL PRADESH

Receipts : Rs. 320.27 lakhs.
Expenditure : Rs. 320.16 lakhs.
Surplus : Rs. 11,000.
Grant from Central Govt. to make up revenue gap : Rs. 120 lakhs.

HYDERABAD

Revenue : Rs. 27.86 crores.
Expenditure : Rs. 29.02 crores.
Deficit : Rs. 1.16 crores.
Revised estimates for 1953-54 : Revenue Rs. 25.92 crores, expenditure Rs. 27.44 crores.

Specific allocations in the 1954-55 budget : Capital outlay Rs. 8.85 crores (irrigation 5.40 crores, Godavari valley multi-purpose scheme 1.55 crores, electricity 59 lakhs, industrial housing 60 lakhs, roads and buildings 53 lakhs, water works, drainage 18 lakhs).

New taxation measures : a rise in motor vehicles tax (2.5 lakhs) ; a rise in sugarcane cess (7.5 lakhs).

KASHMIR

Revenue : Rs. 5,50,12,000.
Expenditure : Rs. 5,01,57,000.
Surplus : Rs. 48,55,000.
Compensation from Centre in regard to loss of excise duties : Rs. 250 lakhs.
Revised revenue estimates for 1953-54 : Rs. 4,98,21,000.
Expenditure : Rs. 5,31,73,000.

MADHYA BHARAT

Revenue : Rs. 15.10 crores.
Expenditure : Rs. 14.96 crores.
Surplus : Rs. 14 lakhs.
Development schemes : Rs. 480 lakhs (Chambal hydel project 185 lakhs).

MADHYA PRADESH

Revenue : Rs. 28.83 crores.
Expenditure : Rs. 30.68 crores.
Deficit : Rs. 1.85 crores.
Capital expenditure : Rs. 15 lakhs ; development : Rs. 1.83 crores ; loans and advances : Rs. 5.19 crores.

Some specific allotments: Five-Year Plan Rs. 17.81 crores; Free education for children of low paid Govt. servants: Rs. 10 lakhs; Education: Rs. 4.78 crores (Universities 28 lakhs, secondary 13 lakhs, primary 1.06 crores, technical 11 lakhs); Relief works 10 lakhs; Roads 3.50 crores; Local development works 33 lakhs; Grow More Food 17.3 lakhs; Loans to cultivators 2.42 crores; Tribal welfare 27.4 lakhs; uplift of backward classes and removal of untouchability 13.61 lakhs; Handloom industry 33 lakhs; Cottage industries 4 lakhs; Loans to unemployed for starting small-scale industries 5 lakhs; Development Fund 20 lakhs; Police 2.46 crores; General Administration 2.51 crores.

MADRAS

Revenue: Rs. 44,99.83 lakhs.

Expenditure: Rs. 45,17.88 lakhs.

Deficit: Rs. 18.05 lakhs.

Revised estimates for 1953-54 (second six months): Revenue Rs. 25,17.17 lakhs, expenditure Rs. 24,40.07 lakhs, surplus Rs. 77.10 lakhs. Allotment in Rs. lakhs: backward class welfare, 90.

Two tax reliefs are: exemption from sales tax of meat, fish, vegetables, fruit and eggs, abolition of tax on sale of handloom products.

New tax measures are: surcharge on land revenue; income tax on plantation products; betterment levy on landholders; revision of Court Fees Act; inclusion of gold, silver, precious stones in the list of luxury articles for sales tax purposes; extra levy of sales tax on certain types of mill made cloth.

MANIPUR

Revenue: Rs. 28.84 lakhs.

Expenditure: Rs. 82.71 lakhs.

Deficit: Rs. 53.87 lakhs.

Allocations: Education: Rs. 15 lakhs; Welfare of Scheduled Tribes: Rs. 10 lakhs.

MYSORE

Revenue: Rs. 21.21 crores.

Expenditure: Rs. 24.31 crores.

Deficit: Rs. 3.1 crores.

Fresh taxation proposals included levy of surcharge on land revenue, enhancement of assessment on coffee and other plantation lands, increase in the water rate under the Irrigation Act, increase in surcharge on electricity, enhancement of rate on power supplied to irrigation pumps, a rise in stamp and registration fees,

levy of sales tax on hotels with a turn-over of Rs. 7,500 a year, levy of a single point sales tax on mill and power loom cloth other than coarse cloth.

ORISSA

Revenue: Rs. 14.12 crores.

Expenditure: Rs. 14.85 crores.

Deficit: Rs. 73 lakhs.

Provision for new schemes including facilities for the new steel plant at Rourkela: Rs. 3.67 crores.

Prohibition was extended to the urban areas of Cuttack, Puri and Balasore Districts.

There was a flat increase of Rs. 2 per month in the salaries of primary teachers.

PEPSU

Revenue: Rs. 733.1 lakhs.

Expenditure: Rs. 739.92 lakhs.

Over-all deficit: Rs. 6.79 lakhs.

Revised estimates for 1953-54: Revenue: Rs. 696 lakhs; Expenditure: Rs. 726.09 lakhs.

Some features: fresh tax on urban immovable property within the limits of first-class municipalities (Rs. 8 lakhs); taxes on forward contracts of silver, gold, sugar, gur (Rs. 50,000); tax on goods and passengers carried by motor transport (Rs. 7 lakhs).

PUNJAB

Revenue: Rs. 22.19 crores.

Expenditure: Rs. 23.14 crores.

Deficit: Rs. 95 lakhs.

Revised estimates for 1953-54:

Revenue: Rs. 19.71 crores; Expenditure: Rs. 19.55 crores.

Capital expenditure for 1954-55: Rs. 31.73 crores; Bhakra-Nangal: Rs. 22.78 crores.

RAJASTHAN

Revenue: Rs. 21,55,11,000.

Expenditure: Rs. 21,55,11,000.

Revised estimates for 1953-54:

Revenue: Rs. 18,83,31,000; Expenditure: Rs. 18,89,74,000.

Some allotments for 1954-55: education Rs. 3,35,20,000; Medical Rs. 1,28,35,000; capital expenditure Rs. 11,17,22,000. Out of this for irrigation, navigation, embankment, drainage: Rs. 4,41,20,000; for multi-purpose river schemes: Rs. 3,98,72,000; for electricity Rs. 1,29,66,000.

Five-Year Plan: Rs. 24,72,01,000.

SAURASHTRA

Revenue: Rs. 11,32,36,000.

Expenditure: Rs. 11,80,96,000.

Deficit: Rs. 47,60,000.

Some specific allotments (Rs. lakhs): Agriculture and rural development 169; major and minor irrigation works 257; roads development 166; education and social services 165; public health 95; industries and port development 61; electricity schemes 85.

Central grant for development works in scarcity areas 325.

TRAVANCORE-COCHIN

Revenue: Rs. 1728.47 lakhs.

Expenditure: Rs. 1860.01 lakhs.

Deficit: Rs. 131.54 lakhs.

Loan from Central Govt. for Plan schemes: Rs. 275 lakhs.

Revised estimates for 1953-54: Revenue: Rs. 1703.82 lakhs.

Expenditure: Rs. 1614.72 lakhs.

UTTAR PRADESH

Revenue: Rs. 77.16 crores.

Expenditure: Rs. 81.07 crores.

Deficit: Rs. 3.91 crores.

Capital expenditure: Rs. 20.22 crores.

Some specific allotments: Rihand Dam Rs. 4 crores; Consolidation of holdings Rs. 50 lakhs.

VINDHYA PRADESH

Revenue: Rs. 4,77,02,000.

Expenditure: Rs. 4,76,87,700.

Surplus: Rs. 14,300.

WEST BENGAL

Revenue: Rs. 39,93,22,000.

Expenditure: Rs. 53,30,76,000.

Deficit: Rs. 13,37,54,000.

Capital expenditure: Rs. 20,82,11,000.

Some allotments: Education Rs. 669 lakhs; police Rs. 596 lakhs.

INVESTORS' GUIDE

Name of the Company	Paid-up Capital (in lakhs)	Paid-up per share	Dividends*			Account closes in	Chairman of Board or Managing Director	Managing Agents and Address
			1951	1952	1953			
<i>Cotton Mills</i>								
Bombay Dyeing ..	250 98	250	8	8	8 plus 1	Dec.	Neville N. Wadia	Nowrosjee Wadia and Sons, Neville House, Graham Road, Ballard Estate, Bombay.
Buckingham and Carnatic ..	190.78 (178.47 ordinary 21.3 pref.)	o) 100	7½	4	10	Dec.	R. D. Castell	Binny and Co. (Madras), 7, Armenian Street, Madras.
Central India†††	96.87 (46.87 ordinary 50 pref.)	o) 100	6	2	5	June	A. D. Shroff	Tata Industries Ltd., Bombay House, Bruce Street, Bombay.
Century Spinning .	109.42	100	20	20	22	Dec.	R. D. Birla	Birla Bros. Ltd., Queen's Mansions, Prescott Road, Bombay.
India United	250.09 (200 ordinary 50 deferred)	o) 10 d) 1	10.9 25	nil nil		Dec.	R. D. Bagla	Agarwal & Co., Indu House, Dougall Road, Bombay 1.
Kohinoor ..	100.00	100	25	18	20	Dec.	E. D. Sheppard	Killick Industries, Home Street, Fort, Bombay.
Sholapur Spinning ..	32.00 (16 ordinary 16 pref.)	o) 1,000	nil	nil	nil	March	V. N. Chandavarkar	(Official Board), Standard Building, Hornby Road, Fort, Bombay.
Svadeshi††††	90.00 (75 ordinary 15 pref.)	o) 100	18	16	16	Dec.	A. D. Shroff	Tata Industries Ltd., Bombay House, Bruce Street, Bombay.
<i>Banks</i>								
Bank of Baroda	100 00	50	12	12	12	Dec.	Tulsidas Kilachand	H. O. Baroda.
Bank of India ..	250.00	50	14	14	14	Dec.	Sir Cowasjee Jehangir	Mahatma Gandhi Road, Bombay.
Central Bank	314 54	A 25 25	14 14	14 14	12 12	Dec.	Heml Mody	Mahatma Gandhi Road, Bombay.
Imperial Bank	562.50	F.P. 500 P.P. 125	16 16	16 16	16 16	June Dec	S. K. Handoo (Mg Director)	Local Head Offices, Calcutta, Bombay and Madras.
<i>Insurance</i>								
New India ..	106 78	15	13½	13½	13½	Dec.	A. D. Shroff	New India Building, Mahatma Gandhi Road, Bombay.
Oriental ..	6 00	200	Rs. 125	Rs. 175		Dec.	Purshotamdas Thakurdas	Oriental Buildings, Mahatma Gandhi Road, Bombay.
<i>Engineering & Electric</i>								
Indian Iron	788 32 (518.37 ordinary 269.95 pref.)	o) 10 p) 100	10	10	10	March	T. Leslie Martin	Martin Burn Ltd., 12, Mission Row, Calcutta.
Premier Construction	105 06 (22 5 ordinary rest others)	o) 30	13½	15	20	Dec	Gulabchand Hirachand	Walchand & Co., Construction House, Ballard Estate, Bombay.
Tata Iron and Steel†	1047 24 (262 5 ord. 14 62 def rest pref.)	o) 75 d) 30	Rs. 18 Rs a. p. 93 10 5	Rs 21 Rs a p 115 3 0	Rs 21 Rs a p 115 3 0	March	J. R. D. Tata	Tata Industries Ltd., Bombay House, Bruce Street, Bombay.
Tata Power	152 33 (365 36 ordinary 86.97 pref.)	o) 1,000 p) 1,000	7½	7½	7½	June	J. R. D. Tata	—do.—
<i>Jute</i>								
Anglo-India	89 2 (49 2 ordinary 40 0 pref.)	o) 100 p) 100	20	20	12½	March & Sep	J. R. Verneade	Duncan Bros. & Co., 31, Netaji Subhas Road, Calcutta.
Birla Jute	114 9 (91 26 ordinary 23 64 pref.)	o) 10 p) 100	30	30	30	March	L. N. Birla	Birla Bros. Ltd., 8, Royal Exchange Place, Calcutta.
Fort Gloster	42.0 (21 0 ordinary rest pref.)	o) 100	25	10	interim passed over	March & Sep.	G. J. Gardner	Kettlewell Bullen & Co., 21, Strand Road, Calcutta.
Ganges Manufacturing	90.32 (84.32 ordinary 6.0 pref.)	o) 100 p) 100	6½	2½	nil	March & Sep.	J. Latimer	Macneill & Barry, 2, Fairlie Place, Calcutta.
Gourepore	50.5 (24.0 ordinary 26 5 pref.)	o) 100 p) 100	20	1½	3½	—do.—	—do.—	—do.—

Name of the Company	Paid-up Capital (in lakhs)	Paid-up per share	Dividends*			Account closes in	Chairman of Board or Managing Director	Managing Agents and Address
			1951	1952	1953			
Barnagore Coal & Tea	{ £ 475,000 (275,000 ordinary 200,000 pref.)	o) £5 p) £5	20	20	20	March	Sir John H. Burder	Jardine Henderson Ltd., 4, Clive Row, Calcutta.
Bengal Coal	{ 120.00 ordinary (100) 20 pref.)	o) 200 p) 100	17½	20	8½ h.y.	April & Oct.	G. A. S. Sim	Andrew Yule & Co., 8, Clive Row, Calcutta.
Burrakur	{ 118.42 ordinary (90.92 ordinary rest pref.)	o) 10 p) 100	7½	6½	1½ h.y.	June & Dec.	W. H. S. Michelmores	Bird & Co., Ltd., Chartered Bank Building, Calcutta.
Bishnauth Tea	18.5	10	5	nil		Dec.	{ C. C. Sandya-Lumsdaine	Williamson Mager & Co., 4, Mangoe Lane, Calcutta.
Hasimara Tea	{ 35.0 ordinary (32) 3 pref.)	o) 10 p) 100	15	nil		Dec.	R. G. Waller	Davenport & Co., Ltd., 6, Church Lane, Calcutta.
Miscellaneous Associated Cement	1056.20	100	9½	9½	9½	July	D. M. Khatau	Cement Agencies, Ltd., Queen's Road, Bombay.
Belapur Sugar	48.90	50	28	32	32	Sept.	Sir Joseph Kay	Brady & Co., Royal Insurance Building, Churchgate Street, Bombay.
Bombay Burnah	{ 94.5	125 old 50 new	30 30	18 18	12 12	May	J. F. Parry	Wallace & Co., 9, Wallace Street, Fort, Bombay.
British India Corporation	{ 406.0 ordinary (325) 81 pref.)	o) 5 p) 100	15	12½	10	Dec.	Sir Robert Menzies	Sutherland House, Kanpur.
Hindustan Motor	496.11	10	nil	nil	nil	March	G. D. Birla	Birla Bros. Ltd., 8, Royal Exchange Place, Calcutta.
Indian Copper	£914,200	2 sh.	12½	12½		Dec.	{ Sir Anthony J. Elkins	Gillanders, Arbuthnot & Co., Clive Buildings, Netaji Subhas Road, Calcutta.
India Steamship	{ 250.00 ordinary (225) 25 pref.)	o) 10 p) 100	nil	5	5	March	A. Ramaswami Mudalliar	Lionel Edwards Ltd., D-1, Clive Building, Calcutta.
Martin Burn	{ 180.55 ordinary (130.55 ordinary 30 pref.)	o) 10 p) 100	11½	13½		Sept.	T. Leslie Martin	12, Mission Row, Calcutta.
Metal Box	{ 145.0 ordinary (115) 30 pref.)	o) 10 p) 100	10	10	10	March	Chiswell Jones	41, Chowringhee Road, Calcutta.
Orient Paper	{ 121.95 ordinary (41.95 ordinary rest pref.)	o) 10 p) 100	20	20	10 h.y.	March & Sep.	G. Prasad	Birla Bros. Ltd., 8, Royal Exchange Place, Calcutta.
Tata Chemical	{ 152.11 ordinary (92.14 ordinary 59.97 pref.)	o) 10 p) 100	nil	nil	nil	June	J. R. D. Tata	Tata Industries Ltd., Bombay House, Bruce Street, Bombay.
Tata Oil	{ 99.92 ordinary (70.04 ordinary 29.88 pref.)	o) 25 p) 100	6	8	7	March	—do.—	—do.—
Titagbur Paper	{ 142.92 ordinary (112.04 ordinary rest others)	o) 10 p) 100	18½	20	20	March/Sept.	F. S. Mitchell	F. W. Heilgers & Co., Ltd., Chartered Bank Building, Calcutta.
Scindia Steam††	704.60	15	nil	8½	5	June	D. M. Khatau	Narottam Morarjee & Co., Scindia House, Dougall Rd., Bombay 1.
Western India Match	275.00	100	11	11	11	Dec.	Chunilal V. Mehta	Indian Mercantile Chambers, Nicol Road, Ballard Estate, Bombay.
Rallis India	{ 300.00 ordinary (225) 75 pref.)	o) 100 p) 100	9	nil	nil	Aug.	T. A. Lykiardopulo	16, Hare Street, Calcutta 1.
Rohas	{ 219.04 ordinary (114) rest pref.)	o) 10 p) 100	7½	10	12½	Oct.	Shantil Prasad Jain	Sahu Jain Ltd., Dalmianagar.
Tata Locomotive	{ 500.00 ordinary (360) 200 pref.)	o) 100 p) 100	nil	nil	nil	March	J. R. D. Tata	Tata Industries Ltd., Bombay House, Bruce Street, Bombay.

* Dividends in per cent unless stated in rupees.

† Tata Iron and Steel's capital structure has since been reorganised by converting deferred into ordinary stock in the ratio of 1 : 6 and by issuing bonus shares in the ratio of 1 : 1.

†† Scindia's capital structure has been reorganised by capitalising a part of its funds to issue bonus shares of Rs. 5 for each share and by consolidating the old and new stock into shares of Rs. 20 each paid-up.

††† Svadani's and Central India's capital structure is subject to changes under examination.

MISCELLANEOUS—LATE PARTICULARS

Below we give some late particulars which could not be included in the previous articles.

BANKS

Below are given some late items:

Reserve Bank of India, Issue Dept., Dec. 1953 (figures in Rs. lakhs): Notes in circulation 1,121.09; Total notes issued 1,133.35; Gold coin and bullion: 49.02; Foreign securities: 575.65; Rupee coin: 96.30; Rupee securities: 421.38; Percentages of gold and foreign securities to total notes issued: 54-32.

Reserve Bank, Banking Department, Dec. 1953 (figures in Rs. lakhs): Govt. deposits: 119.58; Banks deposits: 52.81; Other deposits: 57.44; Total deposits: 229.82; Balances held abroad: 141.91; Loans and advances to Govt.: 1.81; Bills purchased and discounted: 8.83; Investments 76.07.

Scheduled Banks in India, Dec. 1953 (figures in Rs. lakhs): Demand liabilities in India: 523.72; Time liabilities in India: 332.41; Cash in India: 31.83; Balance with Reserve Bank: 51.10; Advances in India: 412.87; Inland bills discounted in India: 42.06.

Sterling position upto Jan. 1954 (figures in Rs. crores): Sterling payments by U.K.: 1,778; Sterling involved in repatriation: 409; Payments to Pakistan on termination of common currency: 201; Purchase of annuities for sterling pensions: 224; Payments to U.K. for defence stores and fixed assets in India: 133; Other sterling commitments: 1,338. Sterling holding of Reserve Bank at end of Jan. 1954: 734 crores.

BHOODAN

The position on Dec. 5, 1953 was as follows: The total collection of land for each State is in acres.

Andhra: 10,209; Assam: 1,349; U.P.: 500,642; Orissa: 47,409; Karnataka: 1,634; Kerala: 10,000; Gujarat: 20,845; Tamilnad: 14,252; Delhi: 7,659; Punjab: 3,183; Bengal: 395; Bihar: 1,297,968; M.P.: 58,628; M.B.: 55,730; Maharashtra: 9,564; Mysore: 2,106; Rajasthan: 229,770; V.P.: 3,963; Saurashtra: 8,000; H.P.: 1,350; Hyderabad: 71,695.

Total: 2,356,521.

Land distributed was as follows:—U.P.: 27,402; Tamilnad: 255; M.P.: 928; Rajasthan: 700; V.P.: 125; Hyderabad: 10,320; Total: 39,739.

The number of families benefited: U.P.: 4,607; Rajasthan: 80; Hyderabad: 2,195; Total: 6,882.

BURMAH-SHELL REFINERIES LTD.

Burmah-Shell Refineries Ltd. was incorporated in India on 3rd November, 1952, for the purpose of constructing and operating a petroleum oil refinery on a 450-acre plot of land in South-West Trombay.

Site clearance and construction work was first started in April 1953 and it is estimated that the major part of the work will be completed by December 1954.

The Refinery is due to commence operations early in 1955.

The crude oil intake of the Refinery will be 2,000,000 tons per annum, and crude oil is expected to come from the Persian Gulf area.

The Refinery will manufacture per year 156 million gallons of Motor Spirit, 72 million gallons of Kerosine, 37 million gallons of High Speed Diesel Oil, 33 million gallons of Light Diesel Oil, 144 million gallons of Furnace Oil and 150,000 tons of Bitumen.

The total cost of the Refinery will be Rs. 25 crores, and the total staff to be employed in the Refinery including all categories will be about 1,500.

Apart from the main Refinery work now under way at Trombay, residential quarters for key operating personnel are being built a short

distance from the Refinery, and in addition, Burmah-Shell Refineries Ltd., will pay Rs. 40 lakhs to the Bombay Government to build new housing quarters for 500 labour families.

Burmah-Shell Refineries Ltd., are also providing a 10-acre recreation ground for their Staff and Labour.

CENSUS (LANGUAGES)

We give below some facts and figures which were released too late by the Census Commissioner to be included in our chapter on population:

Total number of speakers of languages specified in the constitution: 323,972,607; Number speaking Hindi, Urdu, Hindustani, Punjabi: 149,944,311; Telugu: 32,999,910; Marathi: 27,049,522; Tamil: 26,546,764; Bengali: 25,121,674; Gujarati: 16,310,771; Kannada: 14,471,764; Malayalam: 13,380,109; Oriya: 13,153,009; Assamese: 4,988,226; Kashmiri: 5,086; Sanskrit: 555.

Number of Hindi speakers in North India: 50,454,217; In East India: 34,036,450; South India: 149,287; West India: 492,906; Central India: 20,506,477.

Number of Urdu speakers in North India: 4,300,425; In East India: 3,360,352; South India: 869,858; In West India: 1,977,607; In Central India: 2,904,632.

Number of Hindustani speakers in North India: 6,742,937; In South India: 1,345,662; In West India: 8,006; In Central India: 59,939.

Number of Punjabi speakers in North India: 323,456; In East India: 90,443; In South India: 8,639; In West India: 68,978; In Central India: 78,384.

U.P.: Hindi, Urdu, Hindustani: 99 per cent; Punjabi: 324,000.

Bihar: Hindi and Bihari: 34.8 millions; Bengali: 17.6 lakhs; Oriya: 3.1 lakhs. Santhal Parganas Dt. (Hindi 48 per cent, Santhal 42 per cent); Dhanbad Dt. (Hindi 65 per cent, Bengali 25 per cent); Singhbhum Dt. (H.O. 28 per cent, Oriya 20, Bengali 18, Hindi 14, Santhal 10); Manbhum Dt. (Bengali 52 per cent, Hindi 32, Santhal 14).

Orissa: Oriya: 12,065,272; Tribal: 1,837,732.

W. Bengal: Bengali: 20,994,374; Hindi: 1,574,786.

Assam: Assamese: 4,972,493; Bengali: 1,447,075.

Tripura: Bengali: 273,441; Tripuri: 129,379.

Madras (undivided): Hindi: 109,269.

Travancore-Cochin: Malayalam: 86 per cent; Tamil: 12.

Trivandrum Dt. (Malayalam: 61 per cent; Tamil: 39).

Bombay: See under Bombay State.

M.P.: Number of speakers per 1,000 of the population: Hindi 590, Marathi 293, Gond 59, Oriya 18, Nagpur Dt. (Marathi 65 per cent, Hindi 12), Betul Dt. (Hindi 43 per cent, Gond 27, Marathi 19), Nimar Dt. (Hindi 34 per cent, Nimadi 21, Marathi 15, Korku 11), Bastar Dt. (Halbi 29 per cent, Gond 27, Maria 12, Chhathigarhi 10).

M.B.: Hindi: 5,842, 114.

Hyderabad: Telugu: 8,921,524 (47.8 per cent), Marathi: 4,541,982 (24.3 per cent), Urdu: 2,159,214 (11.6 per cent), Kannada: 1,961,901 (10.5 per cent), Hindi: 133,733 (0.7 per cent), Nanded Dt. (Marathi 65 per cent, Urdu 11); Bidar Dt. (Marathi 39 per cent, Kannada 28, Urdu 16, Telugu 15); Hyderabad (Telugu 63 per cent, Urdu 35); Gulbarga Dt. (Kannada 55 per cent, Telugu 21, Urdu 16); Adilabad Dt. (Telugu 56 per cent, Marathi 21, Gond 10); Raichur Dt. (Kannada 63 per cent, Urdu 10, Telugu 24).

CHANGES IN PERSONNEL

Bombay Medical Union President, Dr. George Coelho; Jt. Hony. Secretaries, Dr. H. J. Patel; Dr. Dara R. Hakim.

Federation of Master Printers: S. C. Majumdar (President), P. S. Mehra (Vice-President), S. N. Guha Ray, S. C. Ghosh (Gen. Secretaries).

Indian Merchants Chamber: Chimanlal B. Parikh (President), Panalal M. Chinal (Vice-President), A. C. Ramalingam (Secretary).

Bombay Corporation: Dahyabhai V. Patel (Mayor), Mrs. Sulochana Modi (Chairman, Standing Committee), H. B. Gaonkar (Chairman, Education Committee), P. U. Upadhyaya (Chairman, Improvements Committee), A. K. Hafizka (Chairman, B.E.S.T. Committee), K. B. Carnac (Chief Engineer), J. D. Daroga (Hydraulic Engineer).

Progressive Christian Association (27 Picket Cross Road, Bombay 2): M. A. Farla (Secretary).

Bombay Woollen Piece-goods Merchants Assoc.: Pr. Kanji Kodidas.

Africa and Overseas Merchants' Chamber: Pr. Varjivandas Tribhovandas.

Bombay Shroffs Assoc.: Pr. Sheth Jayantilal M. Shah.

Silk Merchants' Assoc.: Pr. Manilal S. Kapadia.

All-India Exporters' Assoc.: Pr. Chinoobhai C. Jhaveri.

DAMODAR VALLEY CORPORATION

1954-55 estimates: Expenditure Rs. 18 crores; Income Rs. 1.31 crores (Power: Rs. 1.22 crores, Irrigation: Rs. 9.5 lakhs).

1953-54 Revised: Expenditure Rs. 16.67 crores; Income Rs. 54 lakhs.

Konar dam will be completed by Sept. 1954. Malihon dam by March 1955. Malihon power house by March 1956. Panchet Hill dam and Durgapur barrage by end of 1956. Panchet Hill power house by end of 1957.

Tiljala project was completed in 1953.

FIVE-YEAR PLAN (EXPANDED)

The allotments under the expanded Plan to meet unemployment are as follows (Total: Rs. 175 crores):

From the Central contribution of Rs. 70 crores: Rehabilitation of displaced persons: Rs. 45 crores; Road development: Rs. 10 crores; Construction of office and residential buildings: Rs. 2.5 crores; Health schemes: Rs. 2 crores; Agricultural schemes: Rs. 2.16 crores; Miscellaneous: Rs. 8.34 crores.

Work in chronic scarcity areas: Rs. 40 crores; Power development: Rs. 9.1 crores; Roads and road transport: Rs. 8.1 crores; Irrigation: Rs. 3.5 crores; Housing: Rs. 1.5 crores; Social services: Rs. 1.8 crores; Industry and technical training: Rs. 1.1 crores.

Urban unemployment: Between Rs. 15 and Rs. 40 crores. A scheme was introduced in August 1953 to employ 80,000 additional primary teachers in rural areas and 10,000 social education centres in urban areas.

Progress of Plan

Total planned expenditure for 1951-54: Rs. 1,000 crores; Total expenditure 1951-54: Rs. 944 crores.

Expenditure 1951-52: Rs. 261.5 crores.

Expenditure 1952-53: Rs. 271.18 crores.

Budgeted 1953-54: Rs. 413 crores.

Budgeted 1954-55: Rs. 546.55 crores.

Shortfall in 1952-53: Rs. 54 crores (Central Govt. Rs. 41 crores; State Govts. Rs. 11 crores).

Breakdown of Central shortfall Ministry-wise: Irrigation: Rs. 9 crores; Production, Education, Transport: Rs. 3 crores each; Railways: Rs. 17 crores; Community Projects, Rehabilitation: Rs. 4 crores each.

Total deficit financing needed: Rs. 600 crores; Deficit financing for 1954-55: Rs. 250 crores.

Achievement, 1951-53

Increase in foodgrains: 4.4 mln tons; Kans infected land reclaimed: 500,000 acres; Extra land under irrigation: 1.5 mln. acres; Additional power: 425,000 kW.; Increase in cotton yarn: 271 mln. lbs.; Cloth: 1956 target achieved; Increase in cement: 0.81 mln. tons;

Increase in ammonium sulphate : 205,696 tons; Locomotives built : 100; Coaches : 1,751; Wagons : 12,770; Roads : 240 miles; national highway, 7,200 miles of State road, 17 new bridges; Shipping : increase in coastal tonnage 77,000 G.R.T., coastal trade now 100 per cent in Indian hands, new ships built at Vishakapatnam : 6; Refugee rehabilitation : 5 mln. persons from West Pakistan settled, houses made available 360,000, loans Rs. 11 crores; From East Pakistan, 249,000 families settled on land, loans for agriculture Rs. 800 lakhs, housing loans Rs. 900 lakhs; 12 new townships built; Malaria protection : 50 per cent more persons; Persons tested under B.C.G. : 24 mln.; Persons vaccinated : 7.5 mln.; number of single-teacher schools : 80,000 employment potential; Welfare Board : Assistance provided Rs. 16 lakhs, number of institutions 480; Local works : Number 12,000, cost Rs. 300 lakhs.

INDICES

Below are given some late indices :

Index number of wholesale prices (Dec. 1953) : Food articles 367.0; Industrial raw materials 459.3; Semi-manufactures 356.5; Manufactured articles 363.8; Miscellaneous 711.5; All commodities 389.4. February 13, 1954 : 396.6.

Working class Cost of Living Index (Dec. 1953) : Bombay 359; Madras 350; Kanpur 438; Delhi 140; Nagpur 380; Calcutta 329.

Industrial profits Index for 1951 (Base 1939 = 100) : Jute 679.1; Cotton 551.1; Iron and Steel 157.7; Tea 103.9; Sugar 420.8; Paper 604.1; Coal 178.4; Cement 419.7; All industries : 310.5.

Industrial Production (Base 1946 = 100) : 1951 : 117.2; 1952 : 128.9; 1953 : 135.1.

INDO-CEYLON AGREEMENT

Points from the agreement signed by the Prime Ministers of India and Ceylon on January 18, 1954 :

1. Suppression of illicit immigration traffic.
2. A register of all adult residents not on the electoral roll to be prepared. Those not on the register and whose mother tongue is an Indian language will be presumed to be illicit immigrants.
3. Before prosecution of an accused starts the Indian High Commissioner would have opportunity to satisfy himself that *prima facie* case exists.
4. Registration of citizens under the Indian and Pakistani Citizenship Act will be expedited and effort made to finish it in two years.
5. Registered persons will be placed on a separate electoral roll - an arrangement that will continue for ten years. Where the number in a constituency is less than 250 there will be no separate roll.
6. Such citizens will elect a certain number of members to the House of Representatives, number being determined after consultation with the Prime Minister of India.
7. Persons not so registered may register themselves as Indian citizens.
8. The practice of consultation on questions of mutual interest would continue.

INDO-RUMANIAN TRADE PACT

Signed March 23, 1954; valid upto Dec. 31, 1954. Exchange of Indian jute, coffee, tea, spices, wool, hides and skins, myrobalans, linoleum, textiles, shellac, iron ore for Rumanian food grains, petroleum, timber, paper, chemicals, dyestuffs, machinery.

INSURANCE, 1952-53

Number of companies on November 30, 1953 : 322 (Indian 221); Total life insurance effected by Indian Companies till end of 1952 : 3,678,000 policies, Rs. 789.88 crores sum assured, Rs. 37.95 crores premium. Non-Indian Companies : 247,000 policies, Rs. 126.02 crores sum assured, Rs. 6.93 premium.

Life business in 1952: Policies (512,000 Indian; 22,000 non-Indian) Sum assured (Rs. 129.28 crores Indian; Rs. 16.40 crores non-Indian), Premium income (Rs. 6.96 crores Indian; Rs. 0.93 crores non-Indian).

Total revenue income in 1952 for Indian companies for life business : Rs. 50.10 crores; for non-Indian companies Rs. 8.77 crores.

The total out-go for Indian companies for life business : Rs. 28.45 crores; for non-Indian companies : Rs. 6.76 crores.

Total expenses of management as percentage of premium income in 1952 for life business : 27.1 for Indian companies, 22.4 for non-Indian.

Net total premium income for non-life : Rs. 14.47 crores (Indian companies), Rs. 6.76 crores (non-Indian). Fire business : Rs. 7.85 crores (Indian), Rs. 2.80 crores (non-Indian); Marine : Rs. 2.72 crores (Indian), Rs. 2.00 crores (non-Indian); Miscellaneous : Rs. 4.10 crores (Indian), Rs. 1.98 crores (non-Indian).

Licences issued in 1952 : 68,922 (Women : 21,750); Certificates for principal agents : 995; for chief agents : 561; for special agents : 8,199.

Number of provident societies on November 30, 1953 : 77; New business in 1952 : 12,883 policies, sum involved Rs. 111.80 lakhs. Total business in force at end of year : 59,601 policies involving Rs. 350.20 lakhs.

LABOUR

Employees' Provident Fund Scheme : Scheme in operation in 20 States, covers 1,643 factories and 1.36 million workers; contribution from unexempted factories upto August 31, 1953 : Rs. 4.47 crores; number of defaulting employers against whom prosecutions were launched : 17. State Boards were to be set up by end of April 1954.

Employees' State Insurance Corporation : Covers employees with remuneration of less than Rs. 400 a month in factories using power and employing more than 20.

At present (March 1954) in force in Delhi (40,000 workers), Kanpur (84,000 workers), seven cities of the Punjab (30,000 workers) - Amritsar, Ambala, Jullundur, Batala, Jagdhri, Abdullapur, Bhiwani, Ludhiana.

There are five regional offices : Delhi (B-Pusa Road), Kanpur (7-202, Swarup Nagar), Bombay (Colaba Causeway), Madras (162, Royapettah High Road), Calcutta (64, Ganesh Chandra Avenue).

Amounts (Rs.) distributed are as follows. Sickness (Delhi : 3,01,882; Kanpur : 8,24,105; Punjab : nil). Maternity (Delhi : 1,014; Kanpur : 1,082; Punjab : nil). Temporary disablement (Delhi : 63,894; Kanpur : 1,00,935; Punjab : 2,561). Permanent disablement (Delhi : 2,865; Kanpur : 5,972; Punjab : nil). Dependents (Delhi : 1,954; Kanpur : 2,001; Punjab : nil).

Sickness and maternity benefit figures in Delhi and Kanpur relate to November 23, 1952 to September 30, 1953 and for other benefits February 24, 1952 to September 30, 1953. Sickness and maternity in the Punjab were to be effective from February 13, 1954, others were effective from May 17, 1953.

Unemployment : Number registered in January 1952 : 322,000; in July 1953 : 493,000 (unskilled labour : 230,000; matriculates : 9,140; inter : 1,180; graduates : 1,180; fitters and mechanics : 11,000; transport (road, air and railroad) : 10,000; wood workers : 6,000; machine shop and electrical workers : 6,000; building and road workers : 2,000).

In textile industry employment in July 1953 : 819,000, in May 1952 : 807,000; in May 1951 : 791,000.

In jute number of employed less by 20,000 in 1952 than in previous year.

In the membership firms of the Associated Chambers of Commerce number in technical posts in January 1952 : 11,825, in January 1953 : 12,978, in July 1953 : 13,105. In the same period the managerial posts increased from 13,322 to 14,510 and then to 14,766.

Vacancies notified by Government agencies were steady, those notified by the private sector fell. On an average total placings per month were 34,000 in 1952 and about 17,000 in 1953.

Unemployment did not affect seriously highly skilled personnel but persons seeking clerical or white-collared posts.

MISCELLANEOUS ITEMS

Below are given some late miscellaneous items :

Bombay Port Trust, Estimates for 1954-55 : Revenue : Rs. 6.14 crores; Expenditure Rs. 6.39 crores. 1953-54 revised : Revenue : Rs. 6.28 crores; Expenditure Rs. 7.09 crores. Capital programme for 1953-54 : Rs. 5.88 crores, for 1954-55 : Rs. 7.24 crores; cost of marine oil terminal project 1953-55 : Rs. 6.80 crores; modernization of Prince's and Victoria Docks for 1954-55 : Rs. 1.5 crores; Government loan : Rs. 4 crores. Reserve fund 1955 March : Rs. 50 lakhs.

Bombay State Transport Estimates for 1954-55 : Gross receipts : Over Rs. 10 crores; Number of buses January 1954 : 2,500; Value of assets of corporation on March 31, 1953 : Rs. 900 lakhs; Capital contribution from Union and Bombay Governments upto end of 1952-53 : Rs. 865 lakhs; Cost per bus mile : 10.30 ples; establishment cost per bus mile : 59.76 ples; Cost on spare parts : 16.87 ples; Staff ration : 6.84.

Central Social Welfare Board : Total amount allotted upto March 1954 : Rs. 20.22 lakhs; Number of institutions : 621 (children's welfare 119, Rs. 3.88 lakhs; women's welfare 195, Rs. 6.69 lakhs; physically and mentally handicapped 91, Rs. 3.02 lakhs; general welfare 216, Rs. 6.63 lakhs).

Coffee Plantations : Foreigners own 39 plantations covering 9,850 acres valued at Rs. 123.39 lakhs.

Concealed Income : Total amount discovered upto end of December 1953 : Rs. 125 crores (through Income-tax Investigation Commission : Rs. 45 crores; through voluntary disclosure : Rs. 80 crores). Number cases referred : 1,668; Number of disposed of : 1,031.

Cotton Textiles (Export estimates for 1953) : Coarse : 258.0 mln. yards; Medium : 267.1; Fine : 152.9; Superfine : 11.4. Total : 692.4.

Final figures, 1953-54 : 769 mln. yds., Rs. 63.15 crores; 1952-53 : 620 mln. yds.

Food : According to an analysis by the Food Minister : There is no need to import wheat or rice or millets for the requirements of 1954. Whatever imports are arranged will be for building up stocks. Stocks of wheat at beginning of 1954 : eight lakh tons.

Food Imports : Upto end of 1953 : 2.02 mln. tons.

Foreign Trade (Monthly average in Rs. lakhs) : Imports : 4,684; Exports of Indian merchandise : 4,180; Re-exports : 52.

Exports for 1953-54 (including re-exports) : Rs. 522 crores, Imports : Rs. 565 crores; Adverse balance : Rs. 38 crores. Exports for 1952-53 (final figures) : Rs. 573 crores; Imports : Rs. 656 crores. Average for first three months of 1954 : Rs. 42 crores, March : Rs. 49 crores.

Industrial Finance Corporation (1952-53) : Balance after providing for taxation and reserve : Rs. 11.25 lakhs. Loans sanctioned slightly over Rs. 4.7 crores. Number of applications 74; amount involved : Rs. 8.23 crores. Total sanctioned upto June 30, 1953 : Rs. 15.47 crores; amount availed of : Rs. 13.16 crores.

Oils, Olefinas : Exports 1953-54 : Rs. 8.5 crores; 1952-53 : Rs. 32.6 crores.

Tea : Exports for 1953-54 (Rs. 102 crores, lb. 470 mln); 1952-53 (Rs. 81 crores, lb. 428 mln.).

Tobacco : Exports 1953-54 : Rs. 11.3 crores; 1952-53 : Rs. 15.6 crores.

University Grants Commission : Total for 1953-54 : Rs. 72 lakhs. For higher scientific and technological education : Rs. 42.42 lakhs.

NATIONAL INCOME

National income in 1950-51 : Rs. 9,530 crores; in 1949-50 : Rs. 9,010 crores; in 1948-49 : Rs. 8,650 crores.

Per capita income in Rs. in 1951 : 265.2; in 1949-50 : 253.0; in 1948-49 : 246.9.

Net domestic product at factor cost Rs. 9,550 crores; net national product at market prices Rs. 10,030 crores; net output of government

enterprises Rs. 290 crores; net output of government administration Rs. 430 crores; net output of private sector Rs. 3,890 crores; government shares in national expenditure Rs. 820 crores and government draft on private income Rs. 770 crores.

Average annual income per agricultural labour family: Rs. 447; Expenditure: Rs. 468 (on ceremonies Rs. 7); Percentage of families indebted: 45; Total debt: Rs. 105 (consumption Rs. 78); Amount borrowed from money-lenders: Rs. 38; from employers: Rs. 22.

PRODUCTION

The estimates for 1953 are as follows:

Coal: 35,847,000 tons; Iron and steel: 1,027,000 tons; Cotton manufactures: 49,280 lakh yards; Yarn: 15,110 lakh lbs.; Jute manufactures: 866,400 tons; Sugar: 1,091,800 tons; Paper: 2,570,700 cwt.; Cement: 3,730,000 tons; Ammonium sulphate: 301,408 tons; Salt: 879 lakh maunds.

Engineering Production: Electric fans: 201,805; Power transformers: 311,471 KVA; Conduit pipes: 3.77 mln. ft.; Rubber insulated cables and flexibles: 48.68 mln. yds.; Electric motors: 164,202 H.P.; Dry cells: 148,346,414 units; House service meters: 82,027; Domestic refrigerators: 1,078; Lead: 1,574 tons; Steel tubes: 319 tons; Copper sheets: 1,061 tons; Brass sheets: 10,477 tons; Machine screws: 162,600 gross; Wood screws: 2,450,000 gross; Plane Calico Looms: 1,823; Carding engines: 195; Razor blades: 16.65 million; bicycles: 246,993; Hurricane lanterns: 4.2 million; Sewing machines: 58,371; Trucks assembled: 9,087; Cars assembled: 5,059; Refractories: 206,947 tons; Lathes: 565; Asbestos cement sheets: 74,382 tons.

Aluminium: 3,380 tons; Oil pressure lamps: 32,234.

Sulphuric acid: 104,074 tons; Ammonium sulphate: 315,960 tons; Copper sulphate: 474 tons; Caustic soda: 21,760 tons; Soda ash: 55,882 tons; Bleaching powder: 1,929 tons; Liquid chlorine: 9,286 tons; Bichromates: 2,343 tons; Glycerine refined: 2,413 tons; Paper and Paperboard: 137,566 tons; Chrome tanned hides: 689,382 pieces; Indigenous types of foot-ware: 2.13 million pairs; Glue: 17,034 cwt.; Dehydrated alcohol: 8.01 million gallons; Rayon: 4,274 tons; Bakelite moulding powder: 828,835 lbs.; Leather cloth: 981,012 yds.; Linoleum: 161,934 yds.; Sheet glass: 20.4 mln. sq. ft.; Glass shells: 16.9 mln. pieces; Sanitaryware: 720 tons; Glazed tiles: 359 lakh dozens; Insulators (high tension): 6 million pieces; Enamelware: 8.3 mln. pieces; Welding gas oxygen: 186.3 mln. cubic ft.; Acetylene: 33.3 mln. cubic ft.; Automobile tyres: 786,351 pieces; Automobile tubes: 680,169 pieces; Bicycle tyres: 4.75 mln. pieces; Bicycle tubes: 4.72 mln. pieces; Tractor tyres: 8,707 pieces; Tractor tubes: 7,508 pieces; Aero tyres: 1,000 pieces; 'Cab' tyres: 482,857 ft.; Waterproof fabrics: 2.17 mln. yds.; Rubber footwear: 23.15 mln. pairs; Radiator hoses: 157,556 pieces; Vacuum break hoses: 484,092 pieces; Other types of hoses: 4.36 mln. ft.; Superphosphates: 83,000 tons.

Plywood tea-chests: 47.42 mln. sq. ft.; Plywood commercial: 10.65 mln. sq. ft.; Paints: 1.28 mln. gross; Matches: 598,225 cases of 50 gross each; Plastics: 1.28 mln. gross; Low tension insulators: 2.3 mln.; Cigarettes: 19,432 mln.

Sindri: 265,602 tons of ammonium sulphate.

Cotton Textiles: Production estimates for 1953 are: Coarse: 593.0 mln. yds.; Medium: 3,184.2; Fine: 802.7; Superfine: 304.6; Total: 4,928.5.

Indian Telephone Industries Ltd., Bangalore: Turn-over 1952-53: Rs. 1,91,23,278; Profit: Rs. 14,29,349; Value of finished goods: Rs. 51,51,726; Number of telephones produced: 22,444; New targets set: 60,000 telephones, exchange lines: 40,000 (old targets now exceeded: 25,000 and 20,000 respectively); Additional expenditure for new targets: Rs. 2.5 crores for 1953-54.

Soap Industry: 66 organized factories; Productive capacity 194,000 tons per annum; Between 3,000 and 4,000 cottage units with a capacity of 76,000 tons per annum; Capital invested in organized factories: Rs. 13 crores; Labour: about 10,000.

Sugar: Government of India decided to import 2 lakh tons, one lakh upto December 1953, the landed cost of which would be Rs. 7.25 crores and the sale proceeds Rs. 8 crores. Also, an export of 2 lakh tons of sugar will be allowed to relieve pressure on stocks in factories. Exports during 1952-53: 6,316 tons. Off-take of sugar from January 1—June 15, 1953: 8.22 lakh tons.

Tea: Estimated production in 1953: 608 million lbs.; In 1952 about 620 million; average annual consumption in India: 170 million.

Tobacco: 1952-53 production: 491 mln. lbs. (Bombay 116,480,000, Andhra including Madras 215,040,000); Area under tobacco: 798,000 acres; production of nicotiana tobaccum: 58,60.7 lakh lbs.; area under nicotiana tobaccum: 732,608 lakh acres; production of nicotiana rustica: 892.3 lakh lbs.; area under nicotiana rustica: 69,600,000 lakh acres; Total consumption of tobacco in India: 521,096,000 lbs. (for cigarettes: 54,619,000, for cigars and cheroots: 59,802,000 lbs.; for bidis: 113,883,000 lbs.; for hookah: 144,370,000 lbs.; for chewing: 143,129,000 lbs.; for snuff: 5,293,000 lbs.). Imports for 1952-53: 5,569,600 lbs.; exports: 80.60 million lbs.

Cigarette production: 26,000 million.

RAILWAYS (1952-53)

Some late particulars are given below:

Capital at charge Rs. 868.52 crores; Route mileage as on March 31, 1952: 34,274.98; Number of passengers originating: 1,184.41 million; Passenger miles: 36,035.63 million; Earnings from carriage of persons: Rs. 101.87 crores; Average earnings per passenger mile: 5.43 ples; Freight tons originating: 98.86 million; Freight ton miles: 28,960.80 million; Earnings from carriage of goods: Rs. 143.80 crores; Average earnings per freight ton mile: 11.2 ples; Total train miles: 195.33 million; Gross earnings per train mile: Rs. 14.13; Working expenses per train mile: Rs. 11.40; Net earnings per train mile: Rs. 2.73; Net earnings per mean mile worked: Rs. 15.267.

Working expenses in Rs. crores: Administration: 26.18; Repairs and maintenance: 64.21; Operating staff: 41.16; Operation (fuel): 22.20; Operation other than staff and fuel: 13.48; Miscellaneous expenses: 17.12; Labour welfare: 3.64. Total: 187.99.

Number of man-days worked: 117,782,234; number of man-days lost owing to illegal strikes: 61,608.

Passenger earnings by class (Rs. lakhs): Air-conditioned: 27; first class 2.01; second class 4.11; Inter class 5.78; third class 89.70.

Volume of passenger traffic by class (figures in millions): Air-conditioned 15; first class 247; second class 486; Inter class 1,126; third class 34,162.

Total coal consumed: 11,118,942 tons; output from railway collieries: 3,196,239 tons.

Total value of stores purchased (Rs. lakhs): 92.14.71; stores of Indian origin: 64.14.90; imported direct: 15.49.06; purchased in India: 21.50.75.

Total staff on open line (1953): 922,601; on construction: 3,326; cost of classes I and II: Rs. 3,06,87,031; of classes III and IV: Rs. 1,23,80,81,089; total cost: Rs. 1,26,87,68,120.

Passenger amenities (1952): Rs. 23.4 lakhs.

Total accidents: 13,146; number of persons killed: 4,757; number injured: 29,789.

Capital at charge (1954-55) in the various railways, etc. is as follows (in Rs. lakhs):

Central: 1,65.59; Eastern: 2.25.58; Northern: 1.37.37; North-Eastern: 87.04; Southern: 1.21.46; Western: 1.15.79; Chittaranjan: 22.42; Perambur Coach Factory: 4.17; Railway collieries: 7.69.

The total staff and the cost of staff respectively on the various railways, etc. for 1952-53 are as follows:

Central (167,671; 22,41,86,196); Eastern (247,116; 36,13,93,033); Northern (131,525; 18,12,89,739); North-Eastern (109,452; 14,13,51,911); Southern (147,118; 18,99,24,926); Western (109,999; 15,23,58,160); Railway Board and other railway offices (9,720; 1,82,64,155).

Five-Year Plan

The investments in crores of rupees are as follows. The first figure shows the allotment under the Plan, and the second the amount actually invested from 1951-52 to 1953-54:

Rolling stock and machinery: 207.96, 112.65; Track: 64.87, 34.48; Bridges: 5.60, 2.22; Other structural and engineering works: 43.41, 24.36; Restorations: 5.66, 8.98; New lines, special projects, etc.: 28.52, 6.76; Passenger amenities: 15.00, 7.78; Labour welfare: 24.09, 11.85; Collieries: 1.45; Ports: 1.04 (actual investment both together: 0.88); Miscellaneous items: 2.40, 0.04.

Total: 400.

Locomotives: Below are shown the orders placed and the receipts of locomotives from 1951-52 to 1953-54:

1951-52: 370,120; 1952-53: 214,213; 1953-54: 185,134. Requirements, 1954-56: 735.

Targets fixed and actual production for Chittaranjan: 1951: 12.16; 1952: 30.30; 1953: 45.45; 1954: 66; 1955: 90; 1956 (up to March): 25. Total: 268. Production upto end of 1953: 100.

Targets fixed and actual production for TELCO: 1951: 7.10; 1952: 30.30; 1953: 33.10; 1954: 50; 1955: 50. Total: 170. Production upto end of 1953: 50.

Coaching Vehicles: Orders placed and receipts are as follows:

1951: 1,002,771; 1952: 1,400,895; 1953: 1,384,609; 1954-56: 2,000. Total orders 1951-56: 5,786; Receipts upto end of 1953: 2,275.

Total receipts from railway workshops: 1,211; from Hindustan aircraft: 823; from wagon manufacturing panel and other manufacturers: 406; from overseas: 335.

Wagons: Below are shown the orders placed and the receipts:

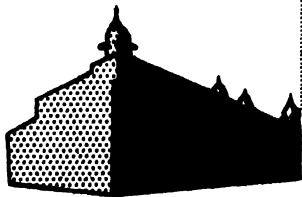
1951: 13,840, 6,166; 1952: 7,052, 11,711; 1953: 10,501, 5,240; 1954-56: 27,000. Total orders: 59,293. Receipts upto end of 1953: 23,117.

REFUGEE TOWNSHIPS

Number 51; number of persons settled: 500,000; number of houses: over 80,000; number of townships in each State is as follows: Punjab 16; Delhi 9; U.P. 7; Bombay 4; M.P. 4; W. Bengal 4; Pepsu 2; Saurashtra 2; Rajasthan 1; Bhopal 1; Kutch 1.

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WHO'S WHO IN INDIA

ABDULLAHAI, Mulla Taherali, M.P. Business man. Is the son of Mulla Taherali, m. Sughrabal, 1938; one d., Seth Habibhai; *Educ.*: Anjuman High School, Nagpur. Has been an active Congress worker; confines himself to constructive work in the social and educational spheres of the Congress organisation; elected to the Madhya Pradesh Leg. Assembly from the Commerce Constituency, 1946; member, Nagpur Congress Ctee.; was its Vice-Pres. for a few years; went on a pilgrimage to Iraq and visited Basra, Baghdad, Najaf, Kerbala and a number of other Arab cities. *Recreations*: Walking, Boating, Reading. *Address*: Itwari, Nagpur 2; 171, North Avenue, New Delhi.

ABDULLAH, Sheikh Mohamad, ex-Prime Minister, Jammu and Kashmir; now in detention. b. 1906, in Soura, near Srinagar; m. Begum Abdullah; Educ.: Srinagar, Jammu; graduated with distinction from Lahore, M.Sc., Aligarh Univ.; while at Kashmir College he formed a Students' Union, 1927. Was a science teacher in the State High School; initiated a regular campaign for responsible Government, crystallising in the formation of the Kashmir Muslim Conference; created political consciousness among the people and took the opportunity of converting the Muslim Conference into the National Conference in 1938; launched the 'Quit Kashmir' movement, 1946, which aimed at complete democratisation of Kashmir; was put in prison; elected Pres., All-India States Peoples Conference; released, 1947; organised a Peace Brigade to maintain communal harmony in the State; organised national defence against the tribal raiders; was invited by the Maharaja of Kashmir to be the Head of the Emergency Administration at the time of the signing of the Instrument of Accession; member, Kashmir Delegation from India to the U.N.O.; M.P. for Kashmir till 1952. *Address*: Srinagar.

ABID Ali, Deputy Minister for Labour, Govt. of India. b. 1900. Started life when 13 as Mill Mazdoor and hawker, Kanpur. Govt. service at Wardha, 1916-20; resigned to join non-co-operation movement, 1921; Secy.: Wardha, Khilafat and Congress Ctees.; C.P., P.C.C.; National Flag Satyagraha Ctee., 1923; sentenced 22½ months; Secy., Indian Assoc., Singapore; deported from Malaya for political reasons; joined Bardoli struggle, 1928; General Secy.: B.P.C.C., 1929-34; Congress Reception Ctee., Bombay, 1934, member, A.I.C.C. for many years; participated in all national struggles; arrested about a dozen times; beaten many a time by Muslim Leaguers for opposing Pakistan movement; organised Bihar earthquake relief on behalf of Bombay, 1934, Trade Unionist since working in Kanpur Mills; among founders of the I.N.T.U.C.; its Vice-Pres.; Founder and Office-bearer of large number of Trade Union Organisations; Pres., Bombay I.N.T.U.C.; represented Indian workers in International Conferences thrice; widely travelled. *Address*: Secretariat, New Delhi.

ACHARYA, Bejoy Krishna, B.A. (Hons.) (Econ.) (Calcutta), Dy. High Commissioner for India at Dacca. b. May 1, 1912, s. of Dr. Frankishna Acharya, a prominent physician and social reformer of Calcutta; m. Smt. Nilima nee Mukherji; two s.; *Educ.*: Calcutta & London Universities. Entered I.C.S., 1936; held charge of several important Bengal districts like Howrah, 24 Parganas, Bakarganj & Darjeeling; served as Dewan of Tripura & Dy. Chief Commissioner, Himachal Pradesh. *Recreations*: Motoring; Photography. *Clubs*: Delhi Gymkhana Club; Darjeeling Gymkhana Club; Dacca Club. *Address*: Baitul Aman, Mymensingh Road, Ramna, Dacca.

ACHARYA, Chintamani, M.A. (Gold medalist), LL.B. (Calcutta Univ.), Ex-Vice-Chancellor, Utkal Univ., Cuttack. b. Dec. 9, 1893, s. of late Choudhury Braja Sundar Patishahi; m. Srimati Ratnamani Devi; three s. and one d.; *Educ.*: Ravenshaw Coll., Cuttack; Presidency Coll., Calcutta; Univ. Law Coll., Calcutta. Advocate for 31 years; Govt. Pleader and Public Prosecutor and Govt. Advocate for 12 years; Part-time lecturer in Law for 12 years. *Publications*: Author of several publications in English, and Oriya such as books on History, Law and other literary questions. *Recreations*: Rotary activities. *Address*: C/o Utkal University, Cuttack (Orissa).

ACHUTHAN, K. T., B.A., B.L., M.P., Advocate. b. March 1912; m. Smt. A. K. Savithri; three s. and one d.; *Educ.*: St. Thomas' Coll., Trichur and Law Coll., Trivandrum. Enrolled as an Advocate and began practice in law at Irinjalakuda, Cochin State; became the General Secy., Cochin S.N.D.P. Yogam; was elected member, Cochin Legislative Council, 1942; returned to the House of the People in general elections on Congress ticket. *Recreations*: Reading, Social work. *Address*: Trichur, Travancore-Cochin State.

ADARKAR, Bhaskar Nardeo, M.A. (Cantab.), B.A. (Bombay Univ.), M.B.E. (1916), Member, Tariff Commission, since Jan. 1952. b. May 18, 1910, s. of N. V. Adarkar, m. Sarala Wagle, d. of late N. B. Wagle (1935), two s. and one d.; *Educ.*: Wilson Coll., Bombay; Gonville and Caius Coll., Cambridge. Agent, Bank of India, Ltd., Bombay, 1938; Research Officer to the Economic Adviser to the Govt. of India, 1938-40; Chief Research Officer, 1940-41; Under-Secy. to the Govt. of India, Commerce Dept., 1941-43; Asstt. Economic Adviser to the Govt. of India, 1943-45; Dy. Economic Adviser to the Govt. of India, 1945-49; Member, Indian Tariff Board, June-November, 1949 and May 1950-Jan. 1952; Secy., Reconstruction Ctees., 1941-43; Govt. of India's Delegate to Preparatory Ctee. on Trade and Employment Drafting Ctee. of that Ctee., Havana Conference on Trade and Employment, E.C.A.F.E. Sessions and meetings of the I.T.O. Vice-Chairman, Drafting Ctee. on General Agreement on Tariffs and Trade (1947) *Publications*: *Indian Tariff Policy*, *Derivation of the Rupee*; *The Gold Problem*; *History of the Indian Tariff*; and several official publications. *Address*: Tariff Commission, Bombay.

ADVANI, Pritamdas Bhojraj, M.Sc. Tech. (Mechan.), M.I.E. (India), A.M.I.E.E. (London), J.P., Consulting Engineer and Industrial Adviser. b. May 21, 1891; m. Parpati Vaswani, Educ.: Hyderabad,



Sind, & Mech. Univ. Engr., Bombay Office of Metropolitan Vickers till end of 1919 and later Mgr. till Aug. 1928; Director of Industries, Govt. of Bombay from August 1928 to Jan. 1944; Chairman, Board of Direction for Technical Education and Industrial Training, Bombay till Oct. 1944; Chairman, Board of Trustees, Victoria Jubilee Technical Institute, Bombay, 1938-48; member, Bombay Legislative Council, 1932-36; on special duty in U.S.A., 1939 in connection with proposal for the establishment of the automobile industry in Bombay prov.; Member of Senate, Bombay University, 1931 to 1945; Member, Central Board of Irrigation and Power; Electrical Commr., Govt. of Bombay, 1944-51. *Address*: 'Oceana,' Marine Drive, Bombay.

AGA, Jamshed Burjor, F.I.A.A., M. Inst. R.A. (London), F.I.A.A. & S. (London), M.I.S.E., G.D. Arch., Corporate Architect and Surveyor. b. Oct. 27, 1916, Educ.: After passing the Matriculation, obtained Govt. Diploma in Architecture being the youngest in India then. Fellow of the Indian Institute of Architects, and Member of the Indian Society of Engineers; is also a Fellow of the Association of Incorporated Architects and Surveyors of London, being the youngest Indian to acquire this distinction at the time; member, Institute of Registered Architects (London), Chartered Insurance Institute; Partner, Shupoorjee N. Chandabhooy & Co., Architects, Engineers, Surveyors, and Fire Loss Assessors; Director and Committee Member of several Institutions; Charter Member, Rotary Club, Satara; Ex-President, Satara Suburban Municipality; is a Freemason and also founder of some Lodges. *Clubs*: Royal Western India Turf, Ripon, Bombay Presidency Radio, Mahabaleshwar, Satara and Poona. *Address*: Advani Chambers, Sir Phirozshah Mehta Road, Bombay 1.



AGA KHAN, Aga Sultan Mahomed Shah, P.C. (1934), G.C.I.E. (1902), G.C.S.I. (1911), G.C.V. O. (1923), K.C.I.E. (1898), Hon. LL.D., Camb. b. 1875. Brilliant Star of Zanzibar, 1900, 1st Class, has many religious followers in East Africa, Central Asia and India; head, Ismail Mahomedans; granted rank and status of first class chief with salute of 11 guns in recognition of loyal services during European War; led the Indian Delegation to the League of Nations Assembly in 1932, 1934 and 1935; accorded the unique honour of being the first Indian President of the League Assembly, 1937; celebrated the Golden Jubilee of his accession to the *gadi* of Inam, 1936; made an honorary citizen of Cannes, April 1947; presided over the League of Nations Session, Sept., 1947; celebrated the Diamond Jubilee of his Sultanate, 1945. *Publication*: *India in Transition*. *Address*: Aga Hall, Bombay.

AGARWALA, Amar Narain, M.A., B.Com., Reader, Faculty of Commerce, Allahabad University. Some time Dean, Faculty of Commerce, and Head of the Depts. of Economics and Commerce, Univ. of Sagar, M.P. b. July 8, 1917; m. Rajeshwari Agarwala; Educ.: Christian Coll., Lucknow, K.P.I. Coll., Allahabad, and Univ. of Allahabad. Had a brilliant academic career, winning most of the prizes and scholarships including Queen Empress Victoria Jubilee Medal (highest academic distinction, Allahabad Univ.),



a leading economist, an expert on social, security and economic planning; his book *Samajrad ki Ruprekha* recognized the best book in Hindi on Socialism by Sahitya Sammelan (1939) which gave him the Murarika Prize for it; regular contributor to many learned journals in India and foreign countries including *Economic Journal* (London) and *International Labour Review* (Montreal); was for some time on deputation in the Labour Dept., Govt. of India; associated with 21 economists in issuing a Manifesto on Government's monetary policy in 1946; edited a symposium on *Position and Prospects of India's Foreign Trade* with the co-operation of Trade Commissioners and on *Indian Labour Problems* containing articles of India's 24 leading labour experts; Mg. Ed., *Indian Journal of Economics*, Organ of the Indian Economic Association, 1943-1947; Mg. Ed., *Indian Journal of Commerce*, Organ of Ind. Cmmr. Assn., 1947-51; Member of A. U. Committee of Courses and Studies, Faculty

of Commerce, Academic Council and Court; Member: Board of Studies, Sagar Univ.; Examination Cttee., Patna Univ.; Secy. (1947-51) and Founder-Member, Indian Commerce Association; Genl. Secy., Bharatiya Vidyabhavan, Allahabad; Founder and Research Secy., Indian Research Assocn., devoted to research and literary activities. *Hobbies:* Journalism, cinema and tennis. *Publications:* *Social Insurance Planning in India*, *Health Insurance in India*, *Pessimism in Planning*, *Socialism without Prejudice*, etc. *Address:* Kundu Gardens, Allahabad

AGARWALA, Mr. Justice Chandra Bhan, M.A., B.L., Judge, Allahabad High Court, since May 14, 1948. *b.* 1897, *s.* of L. Munshi Lal; *Educ.:* St. Stephen's School, Delhi, Hindu College, Delhi and Calcutta University; *Matric* from Delhi, 1914; *B.A.* with Honours from Punjab Univ., 1918; *M.A.* in 1920 and *B.L.*, Calcutta Univ., 1921. Gold Medalist (Cal.). Enrolled as Vakil, High Court, Alld., 1922 and of Calcutta High Court, 1923; practised at Bulandshahr, 1922-32, practised at the High Court, 1932-48. *Publications:* Author of the Commentary on U. P. Tenancy Act, 1939, etc. *Address:* 25A, Purshottam Das Tandon Road, Allahabad.

AGARWALA, Sir Clifford Manmohan, Kt. (July 1943), Chairman, Central Board of Film Censors, 6 February 5, 1890; *m.* Dorothy Muriel Lal; *Educ.:* Aldenham School, Herts, England; called to the Bar in July 1911. Appointed a Judge of the Patna High Court in July 1932; retired as Chief Justice, Patna High Court, Jan. 1950. *Publications:* *Workmen's Compensation*; *Law of Limitation*; *Trials by Jury*. *Address:* A. Campbell House, Pedder Road, Bombay 26.

AGARWALA, Jagdish Prasad, M.A., B.COM., Banker, Landlord and Millowner. *b.* July 1913, in Uttar Pradesh, 3rd s. of late Lala Gaya Prasad Agarwal, Bookseller and Publisher of U.P., *m.* Smt. Savitri Devi, *d.* of of Lala Shiv



Narain Agarwal, a prominent social worker and *Rais* of Farrukhabad, one *s.* and three *d.*; *Educ.:* St. John's Coll. Entered business at an early age; Managing Director, Educational Press Ltd., Agra; Director, Bharti Prakashan Mandir Ltd., Partner in the Managing Agency of Oriental Publishers Ltd.; was Director, Vishal Bharat Bina Co., Ltd.; Agra Hotel (Hills) Ltd., Delhi, Scientific Industries Ltd., Sooryodaya Films Ltd.; Glassware Ltd., partner, Gaya Prasad & Sons, Booksellers & Publishers, National Press; Central Manufacturing Co., Univ. Book Depot, Prasad Bros.; Wal & Co.; Popular Book Depot, Jaipur; member: National Chamber of Commerce & Industries; India Council of World Affairs; League of Help; International Fellowship; U.P. Automobile Association, sponsored the All-India Seth Gaya Prasad Memorial Cricket Tournament; President, Publishers' Assoc., Hon. Secy., U.P. Automobile Assoc., Agra Branch; Trustee, Victoria Higher Secondary School. *Publications:* Several Hindi and Economic books including *Rashtra Nirmala*, life sketch of Indian leaders, books on Co-operation and Transport for M.A. students. *Recreations:* Music, Cricket and Sight-seeing. *Clubs:* Agra Botany Club; Agra Club Ltd. *Address:* Gaya Kunj, Bankey Villas, Agra.

AGARWALA, Ratanchand, M.A. (Punjab), Hon. in B.A., Business man. *b.* June 6, 1906; *m.* Sh. Lajwanti; two *s.* and one *d.*; *Educ.:* Lahore Sanatan Dharma and Govt. Colleges. Devoted three years to social and public work, industrial research, Harijan welfare, supporter of widow remarriage, eradication of social evils, women's education, etc. in conservative Marwari society; devotes much of his time to serving Harijans and to social work; organised earthquake relief in Assam; interested in the uplift of the

tribal areas of India's North-East Frontiers. *Recreations:* Gardening and reading. *Address:* Civil Lines, Jullundur City.

AGGARWAL, Chhiraajiva Lal, M.A., LL.B., Senior Advocate, Supreme Court of India and Advocate, East Punjab High Court, Simla. *b.* April 10, 1900; *m.* Smt. Vidya Vati, *d.* of R. B. Sohan Lal, Educationist, Punjab; *Educ.:* D. A. V. High School, Lahore; stood first in *Matric*, 1915; beat the Univ. record in both pass and Hons. courses in B.A., from the Forman Christian Coll., Lahore (1919). Joined the National Movement, 1920; acted as Vice-Principal, National Coll., Lahore; Founder Lecturer, Tilak School of Politics started by Lala Lajpat Rai; was first in M.A. (Economics), the Punjab Univ. (1923); acted as Lecturer in Economics, Forman Christian Coll., Lahore (1923); passed LL.B., 1925; practised as Pleader at Gurdaspur (Punjab), 1925-29; enrolled as Advocate, Lahore High Court, 1927; set up practice at Lahore High Court, 1929; Lecturer in Economics and Commercial Law, the Punjab Univ., 1929-47; after partition shifted to Simla as Advocate, East Punjab High Court; Elected member, Bar Council, 1950; elected Fellow of the Punjab Univ., 1949; Hon. Secy., Bhagwan Das Trust; Trustee, Aggarwal Ashram Trust; Pres., Aggarwal Sabha, Simla, 1950; Vice-Pres., Simla Institute of Public Affairs; Fellow, Royal Economic Society; visited England and Europe to study working of Universities and Law Courts, 1951. *Publications:* *Law of Hindu and Negotiable Instruments*; *Principles of Economics*; *Elements of Economics*; *Lahore Old and New*, etc. *Address:* Burnside, Boileaugunj, Simla West.



AGGARWAL, Shugan Chand, B.A. (Hons.), Diploma in Mining Engineering (Leeds), Salt Commissioner, Govt. of India. *b.* Jan. 6, 1902, *s.* of Munshi Ram; *m.* *d.* of Beni Pershad, Advocate, Himachal Pradesh. *Educ.:* Govt. Coll., Lahore. Supdt. of Salt, Manager, Khewra Salt Mines, Asstt. Collector of Central Excise & Salt, N.W.I. up to Dec. 1942; Dy. Secy.; Ministry of Industry & Supply; Indian Tariff Board; Ministry of Labour, Govt. of India. *Publications:* *The Salt Industry in India*, 1937; *History of the Supply Department*, 1947 and *The Sambhar Lake Salt Source*, 1951, all published by Govt. of India; *Industrial Housing in India*. *Address:* Salt Commissioner, New Delhi.

AGHMAD, Mushtaq, B.A., LL.B., Ex-Judge, High Court, Allahabad. *b.* Feb. 1893, *s.* of Mouli Abdul Rashid Vakil; *m.* Begum Syeda Bibi, *d.* of Syed Mohd Shah, Judge, and niece of the Hon. Sir Syed Abdul Rauf, late Judge, High Court, Lahore; *Educ.:* M.A.O. College, Aligarh. Joined the Bar at Jaunpur, U.P., 1916; joined the High Court Bar, Allahabad, 1921; appointed President of the Improvement Trust Tribunal, 1927; became Advocate before the Bar Councils Act, 1928; thrice appointed by the U. P. Govt. as Special Crown Counsel in important cases in the province, 1928-30; appointed member in the Law-Reporting Council, High Court, Allahabad, 1936; nominated by the High Court to the Bar Council, 1943; elected Secretary, Advocates' Assoc., High Court, Allahabad, 1944. *Address:* 35, Canning Road, Allahabad.

AGHMAD, Munaffar, Member, Political Bureau, Central Committee of Communist Party of India; Secretary, West Bengal State Committee, C.P.I. *b.* 1860, *s.* of Mansur Ali; *m.* Hafiza Khatun; one *d.*; *Educ.:* Noakhali Zilla School and Bangladesh Coll., Calcutta. Member, Communist Party of India since its inception, 1921; Editor of Bengali daily *Nasayug*, 1920; also edited Bengali weekly *Ganabani* (1926-28); convicted in Cawnpore

Communist Conspiracy Case, 1924-28; convicted in Meerut Communist Conspiracy Case for transportation for life, but reduced to three years' B.I. by Allahabad High Court. *Publications:* *A Treatise on Agrarian Question in India*, 1936. *Address:* 64A, Lower Circular Road, Calcutta 16.

AHMED, Dr. Rafiquddin, D.D.S. (Iowa, U.S.A.), F.D.S., Royal Coll. of Surgeons of England, Minister of Agriculture & Co-operation, Govt. of West Bengal. *b.* Dec. 24, 1890; *m.* Mrs. Ayesha Ahmed; one *s.* and four *d.*; *Educ.:* Calcutta Univ.; State Univ. of Iowa, U.S.A. Founder & Principal, Calcutta Dental Coll. and Hospital; Councillor and Alderman, Calcutta Corporation; member, West Bengal Leg. Assembly. *Publications:* Author of *Students' Handbook of Operative Dentistry*. *Recreation:* Swimming. *Clubs:* Calcutta Club. *Address:* 103, Ballygunge Place, Calcutta 19.

AIYANGAR, K. T. Bhashyam, B.A., B.L., Chairman, Legislative Council, Mysore. *b.* April 12, 1895, *s.* of K. T. Narasimha Iyengar and Smt. Alamelamma; *m.* Smt. Kalyanamma; *Educ.:* Central Coll., Bangalore; Law Coll., Madras. Advocate, High Court of Mysore; Minister for Law and Labour, Govt. of Mysore. *Publications:* *Women in Hindu Law*; *Prison Reform*, etc. *Recreation:* Gardening. *Address:* 215, Cottonpet, Bangalore City.

AIYAR, Rao Bahadur Chandrasekhara, B.A., B.L. (Chairman, Delimitation Commission, India, since Jan. 24, 1953. *b.* January 25, 1888; *m.* Sitalakshmi Ammal; *Educ.:* Conjeevaram, Tirupati and Madras (Christian College and Law College). Enrolled as Vakil, Madras High Court, 1910; City Civil Judge, July 1927; District and Sessions Judge (Dec. 1927); High Court Judge, Madras, July 1941-26th January 1948; member, All-India Industrial Tribunal (Bank Disputes); member, Indo-Pakistan Boundary Disputes Tribunal; Judge, Supreme Court, India, 1950-53. *Recreations:* Tennis, Volley Ball, Cricket. *Address:* "Sri Sadma", 96, Mount Road, Teynampet, Madras; New Delhi.

AIYAR, Kuppaswami Srinivasan, B.Sc. (Geol.) (Mysore), Chief Secretary, Govt. of Hyderabad (Dn.), since July 1952. *b.* March 19, 1902, *el. s.* of late S. Kuppaswami Aiyar, B.A., Retd. Asstt. Commr., Mysore Civil Service; *m.* Smt. Jayalakshmi, *el. d.* of Rajamantra Pravin A. V. Ramanathan, Retd. Dewan of Bharatpur; two *s.* and two *d.*; *Educ.:* The Central Coll., Bangalore. Appointed to the staff of the Central Coll. Botany & Geology Sections, 1922; entered Mysore Civil Service, Jan. 1925; worked in various capacities; Spl. Deputy Commr. of Income-Tax, 1941; Collr. of Dis. Officer on Spl. Duty, Food Dept.; Addl. Dir. of Food & Secy. to Govt. Food & Civil Suppl.; Commr. of Income & Sales Taxes; introduced Sales Tax in Mysore, 1947; Chief Secretary, Mysore Govt. 1948-51; Revenue Commissioner, 1951-52; drafted to the I. A. Service, Jan. 1951; services lent to the Govt. of Hyderabad. *Publications:* A few in 1922-25 in field of geology. *Recreations:* Tennis, Billiards. *Club:* The Century Club, Bangalore. *Address:* "Dilaram", Himayalnagar, Hyderabad (Dn.).

AJITHINGJI, General Sir Maharajadhiraj, Kt., M.P. *b.* May 1, 1907, *s.* of Maharaja Sir Sardar Singhji Sahib, K.C.S.I. and the only grandfater of the newly installed Ruler Maharaja (Ajithingji Sahib of Jodhpur; *m.* the sister of His Highness of Jaipur, the Rajpramukh of Rajasthan; two *s.*, Rajakumar Sobhagasingh and Rajakumar Swarupsingh and five *d.*; *Educ.:* Mayo Coll., Ajmer. President; Consultative Cttee. of Sardars, 1936; Central Advisory Board, Jodhpur State, 1938; Counsellor to His Highness the Maharaja Sahib Bahadur of Jodhpur, 1940; held 2 portfolios of Home Dept.



1941-46; Prime Minister, Jodhpur, 1947; Dewan, Populir Ministry, Jodhpur, 1948; first elected member of the Indian Parliament from Sirshi-Pali Parliamentary constituency of Rajasthan. Address: Kalka Bagh Road, Jodhpur (Rajasthan).

ALAGESAN, O. V., Deputy Minister for Railways and Transport, Govt. of India, since Aug. 11, 1952. b. Sept. 6, 1911. s. of Viswanatha Mudaliar; Educ. Presidency Coll., Madras. Has taken active part in the Congress movements; courted jail for more than three years; Secy., Chingleput D.C.C. and Tamil Nad P.C.C.; member, A.I.C.C.; Provisional Parliament, 1950-52; Vice-Pres., Chingleput Dist. Board, 1938-42, elected to the House of the People from Chingleput Constituency, Madras State. Address: No. 3, Thimmarajakulam Street, P.O. Chingleput, Madras.

ALI, Hashim Amir, B.A. (Hons.), Ph.D. (Cornell), Dean of Agriculture, Osmania University, since 1946. b. May 8, 1903. s. of Mir Ahmad Ali, Retired Revenue Commissioner; m. Soghra Begum; two s. and one d.; Educ.: St. George's Grammar School, Hyderabad; Ferguson Coll., Poona; Agricultural Coll., Poona; Cornell Univ.; Univ. of Chicago. Fellow, Rural Research, Visvabharati, Bengal, 1931-34; Private Secretary to Sir Akbar Hydari, Prime Minister, Hyderabad, 1936-38; Chief Marketing Officer, Hyderabad State, 1938-46. Publications: *Facts and Fancies*, 1946; numerous contributions to English and Urdu Magazines and Visvabharati Bulletins. Clubs: Hyderabad Club; Secunderabad Club. Address: Osmania University, Hyderabad-Dn.

ALI, Sir Saiyid Fazi, Kt. (Jan. 1941), B.A. (Allahabad), Bar-at-Law, Chairman, States Reorganisation Commission b. September 19, 1886. s. of Saiyid Nazir Ali; m. Kubra Begum; two s. and three d.; Educ.: London Mission School, Banaras; Queen's College, Banaras; Muir Central Coll. Allahabad; Middle Temple, London. Practised as a Barrister at Chupra and Patna; appointed Judge of the Patna High Court, April 1928; acted as Chief Justice, 1938; deputed by the Govt. of Bihar to settle certain industrial disputes at Jamshedpur; appointed permanent Chief Justice, January 1943; appointed Chairman, R.I.N. Mutiny Enquiry Commission, April 1946, appointed Member, Calcutta Disturbances Enquiry Commission, Sept. 1946; went as Delegate for India to the 2nd Session of the U.N. General Assembly at New York in Sept. 1947 and elected Chairman of the Fifth Committee of the Assembly during that session. Judge, Federal Court of India, 1947-Jan. 1950; Judge, Supreme Court of India, 1950-52; Governor of Orissa, 1952-54. Address: C/o The Home Ministry, New Delhi.

ALI YAVAR JUNG SHAHABUR, H.E. Nawab (Mirza Ali Yar Khan), B.A. (Hons. Oxford), Ambassador of India to Egypt. b. Feb. 16, 1905. s. of late Dr. Mirza Karim Khan Nawab Khodive Jung Bahadur and Tyaba Begum Bilgrami; m. Zahra Begum Bilgrami, d. of the late Nawab Sir Mahdi Yar Jung Bahadur; two s. and two d.; Educ.: Nizam Coll., Hyderabad-Dn.; Queen's College, Oxford. Professor of History, Osmania University, 1927-34; Director of Information, Hyderabad Govt., 1934-38; Secy. to Govt. Constitutional Affairs, Information and Broadcasting, 1938-42; Secy. to Govt., Constitutional Affairs, Police, Education and Judicial, 1942-45; Vice-Chancellor, Osmania Univ., 1945-46; Minister for Constitutional Affairs, Local Govt., Medical, Public Health and Education, 1946-47; resigned from Hyderabad Govt. Service, Aug. 1947; Indian delegate to U.N., 1946, 1950 and 1952 Sessions; member, Indian National Commission, UNESCO; Vice-Chancellor, Osmania University, Hyderabad-Dn., 1948-52; Leader of the Indian Delegation to the Economic and Social Council,

1953; Indian Ambassador to Argentina and Minister Plenipotentiary to Chile, 1952-54. Publications: *Hyderabad in Retrospect* (Official Publication); *External Relations of Hyderabad*. Address: Indian Embassy, Cairo, Egypt.

ALLEN, H. E. George Venable, A.B. (Duke), A.M. (Harvard), LL.D. (Duke), U.S. Ambassador to India b. Nov. 3, 1903. m. Katharine Martin; three s., Educ.: A.B. from Duke Univ., 1924; A.M. from Harvard Univ. 1929; LL.D. from Duke Univ., 1949. School Teacher, Newspaper Reporter, U.S. Foreign Service, Recreations: Tennis and Golf. Clubs: Chevy Chase and Metropolitan, (Washington, D.C.) Address: American Embassy, New Delhi.

ALTEKAR, Dr. Anant Sadashiv, M.A. LL.B., D. Litt., Professor of Ancient Indian History and Culture, Patna University, and Hon. Director K. P. Jayawala Research Institute, Patna. b. August 30, 1898. s. of S. K. Altekar. m. Mrs. Satyabhamabai Altekar, four s. and three d., Educ. Deccan College, Poona. Head of the Dept. of Ancient Indian History and Culture, Hindu Univ., 1930-49; Editor, Journal of the Numismatic Society of India, 1940-53; Vice-President, All-India Oriental Conference, 1950-53; Pres., History Section, All-India Oriental Conference, 1949; Hon. Editor, Bibliography of Indian Archaeology, Kern; Editor of Vol. VI of the History of Indian People on the Age of the Vakakas and the Guptas. Publications: *History of Village Communities in Western India; Education in Ancient India*, 4th Ed., 1951, *Rashtrakutas and their Times*, 1932; *Position of Women in Hindu Civilisation*, 1938; *State and Government in Ancient India*, 1949; *Sources of Hindu Dharma*, 1953. Club: Staff Club, Patna University. Address: Mahendru, Patna 6.

ALVA, Joachim, B.A. LL.B. M.P., Journalist. b. Jan. 21, 1907. s. of the late Phildade and Anne Alva of Udipi (South Kanara Dist.), m. Violet Alva, M.A., LL.B., J.P., two s. and one d.; Educ.: St. Aloysius Coll., Mangalore, St. Xavier's Coll., Elphinstone Coll., and Law Coll., Bombay; First Prize Winner, Bombay Law Coll., Extempore Speaking, Gold Medalist and First Prize Winner, All-India Inter-Univ. Oratorical Contest, Benares Univ. Suffered three years' imprisonment in the Congress movement; enrolled Advocate, Bombay High Court and practised for seven years, Founder and Editor (1943), *Forum*, Indian weekly news magazine; member, Standing Cttee., All-India Newspaper Editors' Conference, since 1945; Govt. of India Delegation of Indian Editors to the Sokol, Czechoslovakia, 1948. Sheriff of Bombay, 1949; member, Panel of Chairmen of the first sessions of the Republican Parliament of India, member, Parliamentary Standing Cttees. for Defence and External Affairs, 1950-51, elected to the House of the People, 1952. Publications: *Men and Supremacy of Hindustan* (Thackers). Clubs: Delhi Gymkhana Club, Roshnara Club, Chelmsford Club, Constitution Club, Delhi, Cricket Club of India, Bombay, Willingdon Club, Bombay Address: "Forum" Bombay.

AMBEDKAR, Dr. Bhimrao Ramji, M.A., Ph.D., D.Sc., Bar-at-Law, M.P., Ex-Minister of Law, Govt. of India. b. 1893; Educ.: Satara and Bombay; Gaekwar's Scholar at Columbia Univ. to study Economics and Sociology; did research in India Office Library and kept terms for the Bar at Gray's Inn. Prof. of Political Economy, Sydenham Coll. of Commerce, Bombay, 1917; went to Germany and joined Bonn Univ. and then London Univ. and took D.Sc. in Economics and Commerce; called to the Bar, 1923; gave evidence before Southborough Cttee. for Franchise, 1918; and Royal Commission on Indian Currency, 1926; member, R.T.C., London, 1930-32, and Joint Parliamentary Cttee., 1932;

Member, Governor-General's Executive Council (Labour), July 1942 to June 1946; elected to the Council of States, 1952. Publications: *The Problem of the Rupee; Evolution of Provincial Finance in British India; Caste in India; Small Holdings and their Remedies; The Annihilation of Caste; Federation versus Freedom; Thoughts on Pakistan; Ranaide, Gandhi and Jinnah; What Congress, and Gandhi have done to the Untouchables; Who were the Shudras; The Untouchables, Who were they and How they became Untouchables, etc* Address: 1, Hardinge Avenue, New Delhi.

AMBEGAONKER, Dr. Sitaram Damodar, M.B. B.S. (Bombay), M.R.C.P. (London), Hon. Physician, Shree Savan General Hospital, Baroda and Lecturer in Medicine, Baroda Medical College b. 1908; Educ.: Seth G. S. Medical Coll., Bombay. M.B., B.S., 1934. Worked as House Physician and Resident Anaesthetist at K. E. M. Hospital, Bombay proceeded to England 1936; worked at London Hospital, King's Coll. Hospital, Brompton Hospital for Consumption, National Hospital for Diseases of the Heart, etc. M.R.C.P. (Lond.), 1937. Hon. Physician, Singhane Hospital for Hindus, Sir George's Hospital, Bombay, Physician and Deputy Chief Medical Officer, Baroda State; Pres. Baroda Medical Union; after merger of Baroda State, Civil Surgeon, Baroda Dist. retired 1952. Address: Shiyu-Bag Baroda.



AMIN, Manibhai Purushottamdas, B.A. (Hons.), LL.B., 1916. Advocate-General, Bombay. b. March 31, 1894; m. Smt. Ldvati Prajibhai Patel, two s. and two d.; Educ.: R. C. High School, Ahmedabad, Gujarat Coll., Ahmedabad, Elphinstone Coll., Bombay, B.A. (Hons.), 1914. LL.B., 1916. Started practising in the Bombay High Court from April 1919. Recreation: Tennis. Clubs: Willingdon C.C.I. Address: Urmi, 65, Worli Sea-Face, Worli, Bombay 18.



AMIN, Ramanbhai Bhallabhai, Director, Alembic Glass Industries Ltd., Baroda and Alembic Chemical Works Co., Ltd., Baroda b. May 19, 1913. at Virsad, m. Smt. Dhiraiben, one s. and four d.; Educ.: Baroda, Bombay and Germany. holds an Engineering degree of the Technical Coll., Darmstadt (Germany) where he studied from 1931-34. Manager and Engineer, Alembic Chemical Works Co., Ltd., Baroda. Address: Alembic Colony, Baroda 3.



AMRIT KAUR, Rajkumari, Minister for Health, Govt. of India, since 1947. b. Feb. 2, 1889, at Kapurthala Palace, Lucknow, only d. of Raja Sir Harnam Singh of Kapurthala. Educ.: In England. Social worker of many years' standing. Secy. to Mahatma Gandhi for 16 years, worked for the All India Women's Conference from its inception in 1927; has been ex-Chairman and its Pres., worked also for the All India Women's Edn. Fund Assn.; is Chairman of its Governing Body; gave evidence on behalf of the A.I.W.C. and other women's organisations before Lord Lothian's Franchise Cttee., 1932.



and before the Joint Select Cttee. of the British Parliament, London, 1933; member, Advisory Board of Education, Govt. of India for many years; served on the Board of Trustees, All-India Spinnings Assoc. and Hindustani Talim Sangh during Gandhiji's life-time; Dy. Leader, Indian Delegation to UNESCO, London and Paris, 1945 and 1946; led the Indian Delegation to W.H.O. for four consecutive years in Rome and Geneva and for the fifth time, 1953; elected Pres., W.H.O. Assembly, 1950; Chief Commr., St. John Ambulance Brigade in India; Chairman, Mg. Body of the International Red Cross Society, Vice-Chairman, Board of Governors, League of Red Cross Societies; member, Jallianwalabagh National Memorial Trust; Trustee, Gandhi Smarak Nidhi; Pres.: All-India Conference of Social Work for 1948-49; Indian Leprosy Assoc. and T. B. Assoc. in India; Is a keen tennis player; has won many tennis championships; held additional charge of Communications Minister, Aug 1951 to May 1952. *Permanent Address*: 'Manorville', Summer Hill, Simla West.

ANAND, Malk Raj, B.A. (Hon), Ph.D., Author, Novelist and Critic; Editor, *Marg Magazine*. *b.* December 12, 1905. *Educ.*: Punjab University; Universities of London and Cambridge. Lecturer in literature and philosophy to the London County Council adult education schools; Editor of various magazines; Leverhulme Fellow for research in Hindustani literature. Broadcaster at the B.B.C., Film script-writer at the M.O.I. *Publications*: *Novels*, *Private Life of an Indian Prince*, *Seven Summers*, *The Big Heart*, *The Sword and the Sickle*, *Across the Black Waters*, *The Village*, *Two Leaves and a Bud*, *Coolie*, *Untouchable*, *Tractor and the Corn Goddess*, *The Barber's Trade Union*. *Essays*: *Apology for Heroism*, *Lines Written to an Indian Art*, *Persian Painting*, etc. *Address*: 25, Cuffe Parade, Colaba, Bombay

ANANTANI, Biharlal Narayanji, B.A., D Litt., Bar-at-Law, ex-Dewan, Jawhar State. *b.* June 22, 1892, at Kutch-Bhuj; *Educ.*: Alfred High School, Kutch-Bhuj, and Middle Temple, London; called to the Bar in 1937.



Started career in Zauhar, as Interpreter in J.B.M.'s High Court; was Head Master, Indian School, for 10 years and journalist for 25 years; Proprietor and Editor, *The Zanzibar Voice*, a well known Weekly; was Mysore Govt. Trade Agent in East and South Africa and also acted as Trade Correspondent for the Government of India for a number of years; as Leader of the Indian Community, led deputations to London and Geneva on several occasions on behalf of Indians in East Africa; practised law in Bombay High Court on the Original side and is still on the roll of Advocates; was Commerce Member in Nawanagar State for four years; acted as Advocate-General in Nawanagar State and Famine Relief Commissioner during the famine of 1939-40 and won the appreciation of the Maharaja Jamsaheb Bahadur and the public for his strenuous work; Controller of Prices, Agent to the Custodian of Enemy Property and President, Central Board, War Efforts Committee; was Pres., Stores Purchase Cttee., Nawanagar State; an active Rotarian and a Mason; Pres., Rotary Club of Bhuj Kutch for 1953-54; Kutch Sahitya and Samakar Mandal. *Publications*: Gujarati translation in verse of *Karima* by Shalikh Saadi, Great Persian Poet and Writer, *Functions of Post-War Journalism and Genesis of Indian Struggle in East Africa*. *Address*: Nagar Chaklow, Bhuj, Kutch.

ANEY, Dr. Madhao Shrihari, B.A., B.L., Ex-Governor of Bihar. *b.* August 29, 1890; *m.* Yamunabai (died 1925); *Educ.*: Morris

Coll., Nagpur. Teacher, Kashibai Private High School, Amraoti, 1904-07; joined Bar, 1908 at Yeotmal; Vice-Pres., Indian Home Rule League; Pres., Berar Provincial Congress Cttee., 1921-30; joined Civil Disobedience Movement; Ag. Pres., Indian National Congress, 1933; M.L.A. for Berar, 1924-26, 1927-30 and 1935; member, Congress Working Cttee., 1924-25 and 1931-34; founded Yeotmal District Assoc., 1916; member, Nehru Cttee.; Vice-Pres., Responsivist Party; General Secy., Congress Nationalist Assembly Party, 1935; General Secy., Anti-Communal Award Conference Working Cttee., 1935; member, Viceroy's Executive Council (Indians Overseas), 1941-43; Representative of the Govt. of India in Ceylon, Aug. 1943-July 1947; Pres., Valdie Sanshodhan Mandal, Poona, 1944; Member, Constituent Assembly of India, July 1947-Jan. 1948. *Publications*: Collection of writings and speeches in Marathi. *Address*: C/o Governor's Camp, Bilhar.

ANGRE, Col. Shrimant Sardar Dharmaveer Chandroji Sambhaji Rao, Vajarat Moab, Sawai Sarkhel Bahadur, M.P., premier Nobleman and Jagirdar of Gwalior State. *b.* in 1806 at Gwalior; *m.* the aunt of Lt.-Gen. His Highness Maharaja Sir Jivaji Rao Scindia; 3 s., Shrimant Kumar Sambhaji Rao alias Balasaheb Angre, Shrimant Kumar Shivaji Rao and Shahaji Rao Angre; 1 d.; *Educ.*: Wilson High School, Bombay, Sardar School, Gwalior and the Agriculture Institute, Allahabad. Was Private Secretary to H.H. the Maharaja Scindia, Huzur Secretary, Foreign and Political Minister and Vice-Pres., Ex. Council, Gwalior Govt.; has rendered valuable service to the Scindia dynasty and the Gwalior State; introduced many public utility schemes for the benefit of the public; General Secretary, All-India Land-owners' and Jagirdars' Association; awarded the Scindia Medal; Pres., Madhya Bharat; Krishak, Zamindar and Jagirdar Sangh; member, Upper House of Parliament representing M.B. Hindu Mahasabha; organised the Opposition in M.B. during general elections. *Address*: Sambhaji Vilas, Lashkar, Gwalior.

ANTHONY, Frank Reginald, B.A. (Nagpur Univ.), M.P., Viceroy's Gold Medalist in English, Univ. Prizeman and Scholar, Bar-at-Law of the Inner Temple, London. *b.* Sept. 25, 1908; *Educ.*: Nagpur Univ. and at the Inner Temple, London. Leading criminal lawyer in Madhya Pradesh; elected President-in-Chief of the Anglo-Indian and Domiciled European Assoc., All-India & Burma, in 1942, in succession to the late Col. Sir Henry Gidney; nominated to the Central Legislature in 1942; renominated in 1946; member of the Viceroy's National Defence Council; member, Sapru Conciliation Cttee., etc.; member, Central Pay Commission; one of India's Delegates to the General Assembly of the United Nations in 1946; one of India's representatives to the Commonwealth Parliamentary Conference held in 1948; member of the Constituent Assembly of India; nominated to the House of the People under special provision in the Constitution for the Anglo-Indian Community, March 1952. *Address*: New Delhi and Jabalpur.

ANTIA, Khursad Framrose, B.Sc. (Hons.) (Lond.), F.N.I., M.Inst.E. (Ind.), A.M.I. Struct. E. (Lond.), F.P.W. Inst., Diploma of King's College (London), Head of Research and Development Departments, The Concrete Association of India. *b.* Dec. 7, 1904, s. of late F. C. Antia and Mrs. Antia (née Tata); *m.* Amy N. Bharucha; one d.; *Educ.*: St. Xavier's Coll., Calcutta and King's Coll., London. On London and North-Eastern Railway, 1926-27; Structural and Railway Engineer, B. N. Rly., 1928-40; Executive Engineer, Bridge Engineer, Deputy Chief Engineer, Western Railway, 1940-47;

Dy. Chief Controller, Ministry of Railways, Central Standards Office, 1947-50. Editor, Permanent Way Institution Journal, Bombay and Western India Centre, 1944-46; Technical Editor, The Indian Concrete Journal, member of several Technical Cttees. of the Indian Standards Institution, Indian Road Congress, Scientific and Industrial Research, etc. *Publications*: *Fundamentals of Reinforced Concrete*; *Railway Track*; *Railway Engineering Accounts*; Numerous Technical Articles. *Recreations*: Hockey, Tennis, Soccer, Cricket and Water Polo. *Clubs*: Simla A.D.C.; Cricket Club of India (Bombay); National Sports Club of India; Cuttack (Orissa); Ganjam (Berhampur); Khargpur (Bengal). *Address*: 'Rockside', Walkeshwar Road, Malabar Hill, Bombay 6.

ARMSTRONG, James Ridley, A.M.I. Mech. E., General Manager, Richardson & Cruddas Ltd., Engineers, Bombay and Madras, since 1950 *b.* June 18, 1902, at Bosworth, Leicestershire; *m.* Dolena MacKenzie; one s., *Educ.*: Latimer Upper School, London; Kilmarock Technical Coll., Ayrshire; Heriot Watt Coll., Edinburgh. Pupil with The Kilmarock Engineering Co. Ltd., Kilmarock, Scotland. Joined Richardson & Cruddas and came to India, 1925; became Partner, 1946; Officer in Royal Artillery. A.F. (I), 1926-30. Officer Commanding, Royal Engineers A.F. (I), Bombay, 1939-40. *Clubs*: Royal Bombay Yacht Club; Bombay Gymkhana Ltd. *Address*:—*Residence*: R-3, Mafatlal Park, Warden Road, Bombay 26; *Office*: Byculla Ironworks, Bombay 8.



ARORA, Srinath D., M.Sc. (Chemists Ind.), L.T., Ph.D. (Minnesota, U.S.A.), F.I.C.S., Principal, Jaspant College, Jodhpur; Dean, Faculty of Science, Rajputana Univ. *b.* Dec. 22, 1901, Uttar Pradesh; *m.* has five children, *et s.*, I. K. Arora studying for Ph.D. in Chemical Engineering, Univ. of Washington, Seattle, U.S.A. and d. Nirmal studying for Ph.D. in Botany, Univ. of Delhi.



Hon. Secy., Jodhpur Gymkhana for 13 years; member, Rotary International; is interested in Community Projects and in promoting the ideal of social work among the students of the College. *Recreations*: Travel; Photography; Tennis. *Club*: Unaid Club. *Address*: Sardarpura Road No. 4, Jodhpur.

ASHAR, H. N., J.P. and Hon. Presidency Magistrate, Managing Director, The Digvijay Insurance Co., Ltd. since 1942. *b.* in 1906 at Rajkot; *Educ.*: Passed in the first class in the Book-keeping and Accounts Examinations held by the National Union and London Chamber of Commerce. Was Chief Scout Commissioner for former Rajkot State and got a certificate from Mahatma Gandhi for his able leadership in Scouting in 1925; started his career with Gresham; won a gold medal in the first year; joined New India as Chief Agent for Cutch and Kathiawar; won gold medals twice for highest business production; joined as Branch Manager of Bharat Insurance Co., Ltd., Bombay, in 1937; recipient of several other medals and prizes for record business. *Address*: Dhan-Nur, Sir Phirozshah Mehta Road, Fort, Bombay



ASHER, Karsondas Govindji, Proprietor, Asher & Co., and the firm of Karsondas G. Asher, dealing in Rayon, Spun, Staple, Woolen and Raw Silk Yarn. b. 1905 at Jamkambhalla (Saurashtra) in an ancient



Bhatla family; m. Champaben, d. of Lakshmi Mulji, a landlord and piece-goods merchant of Bombay; two s. and one d.; *Educ.*: National College, Bombay. A staunch Congressman; founder and promoter, National High School, Bombay, during Mahatma Gandhi's non-co-operation movement, 1921; worked

for some time as an Honorary Commercial Representative to *Bombay Samachar*; is a public speaker; has travelled extensively. *Publications*: Has contributed several articles on commerce to different newspapers; as a scholar in Gita and Upanishads, has published many articles in magazines and newspapers. *Recreation*: Walking. *Address*: Laxmi Bhuvan, Anand Bang, Tagore Road, Santa Cruz, Bombay 23.

ASHER, Purshottam Damodar, Cotton Merchant and Managing Agent, Asher Textiles Ltd. b. Nov. 12, 1887; m. Smt. Padmayati Asher, d. of Parmanand Naray of Jamnagar; one s., Chandrakumar Asher. *Educ.*: passed matriculation. Entered business; is keenly interested in public activities; is a freemason. *Recreations*: Cricket. *Reading Clubs*: All rotary clubs in South India. *Address*: Chandra Palace, Thirupur.

ATAL, Jai Kumar Sapru, B.A. (Hons.) (Oxford), I.C.S., Dy. High Commissioner for India, Karachi, Pakistan, since 1952. b. Jan. 19, 1914, *el. s.* of Raja Amarnath Atal of Japur and *g.s.* of the Rt. Hon. Sir Tej Bahadur Sapru; m. Smt. Ganga Rama; one s.; *Educ.*: Winchester, Balliol, Oxford. District Magistrate, Amraoti, Yeotmal, Nagpur, Chanda and Sangur in Madhya Pradesh 1940-47, Private Secy. to Minister of Education, Govt. of India, 1947-48, 1st Secy., Embassy of India, Brazil, 1948-49, Dy. Secy., Ministry of Transport, 1950-51, Dy. Secy., Ministry of External Affairs, 1951-52. *Recreations*: Polo; Big game hunting, Riding, Rowing, Tennis. *Clubs*: Gymkhana Club, Delhi; Karachi Boat Club, Karachi; National Sports Club of India, New Delhi. *Address*: "Atal Ban," Japur; C/o Ministry of External Affairs, New Delhi.

AUGUSTI, K. Joseph, b. Dec. 1, 1884, in a family with long commercial traditions. Took to business early in life; is a pioneer in joint-stock enterprise in Travancore; was one of the first to introduce motor transport in the State; is a landholder and business man; has travelled extensively in Europe; founded the Palat Central Bank Ltd., of South India; has been Managing Director of the Bank from the beginning. *Address*: Palat, S.L.



AYYANGAR, M. Ananthasayanam, B.A., B.L., Deputy Speaker, House of the People, Advocate. b. Feb. 4, 1891, s. of M. Venkata Varadachariar and Smt. Kanakammal; m. Smt. Choodammal; four s. and eight d.; *Educ.*: Devasthanam High School, Tirupati; Pachaiyappa's and Law Coll., Madras. Teacher; then Advocate; member, Central Legislature continuously since 1935; courted jail for individual satyagraha and Quit India Movement, 1940-41, 1942-Dec. 1944; member,

Fiscal Commission and Chairman, Criminal Tribes Enquiry Committee. *Hobby*: Sanskrit study. *Club*: Constitution Club, New Delhi (Secretary). *Address*: Chittoor (Andhra State).

AYYAR, Mr. Justice A. S. P., M.A. (Oxon.), I.C.S., F.R.S.L., Bar-at-Law (Inner Temple), Certificate of Honour & Langdon Medal (1936), Fellow of the Royal Society of Literature of the United Kingdom, London (1933), High Court Judge, Madras, since Sept. 1948. b. January 26, 1899, s. of Subramania Iyer and Akhilandeswari Ammal of Aylam Village, Malabar Dist.; m. Srimati Vedanayaki Ammal; two s. and five d.; *Educ.*: Madras, Oxford, London. Entered the I.C.S., 1921, by open competition examination at London; came to India, 1922; was Collector and District Magistrate, Cuddapah and South Kanara; entered the Judiciary, 1930; was District and Sessions Judge in several districts. *Publications*: *Indian After-Dinner Stories*, Vols I to III; *Baladitya*; *Three Men of Destiny*; *Panchatantra and Itopadesa Stories*; *Bhasa*; *Two Plays of Bhasa*; *An Indian in Western Europe*; *Gripping Tales of Ind.*; *Trial of Science for the Murder of Humanity*; *Sense in Sex and other Stories*; *Hindu Law's Contribution to World Jurisprudence*; *Sri Krishna, the Darling of Humanity*; *A Layman's Bhagavad Gita*; *Kovalan and Kannaki*; *Manimekalai*, *Three Famous Tales*, etc. *Address*: 1B, College Road, Nungunbakam, Madras 6.

AYYAR, G. Venkateswara, B.A. (Hons.), I.C.S., Chairman, Madras Port Trust. b. Feb. 19, 1905, s. of Gopala Ayyar, m. Smt. Saraswati, d. of late K. Subramania Ayyar, Advocate, Kottayam, three s. and two d.; *Educ.*: C.M.S. Coll. Kottayam, Maharajah's Coll., Trivandrum, London Univ. Joined I.C.S. 1930. *Clubs*: Cosmopolitan Club, Madras, Madras Cricket Club, Madras. *Address*: Harbour House, Madras 1.

AZAD, Moulana Abul Kalam, Minister for Education, Govt. of India, since Jan 1947 and for Natural Resources and Scientific Research, since May 1952; eminent Muslim divine and thinker. b. in Mecca, 1889, of an old family of Delhi, settled in Calcutta, *Educ.*: Privately, and when fourteen years old finished studies in Arabic and Oriental learning and started teaching. In 1912, started his famous Urdu journal, "AL-HILAL", and invited Indian Muslims to join the Congress. Government suppressed "AL-HILAL" in 1914 and interned him in Ranchi; was released in January 1920; took part in the Non-Co-operation Movement under Gandhi's leadership, was arrested the same year along with other leaders and imprisoned for two years; served several terms of imprisonment eleven years in all; was last imprisoned in August 1942 for three years. President, Indian National Congress, 1923 and again 1939-46; conducted talks with Sir Stafford Cripps on behalf of the Congress, 1942; was the sole spokesman of the Congress when Lord Wavell called the Simla Conference, 1945; conducted negotiations with the Cabinet Mission on behalf of the Congress, 1946; Education Member, Interim Government, January-August 1947; elected Dy. Leader of the Congress Party in Parliament, February 1951 and again in 1952. *Publications*: Several books on different branches of Philosophy and Literature; his commentary on Quran is particularly well-known. *Address*: 4, King Edward Road, New Delhi and Bullygunge Circular Road, Calcutta.



AZAD, Bhagwat Jha, B.A. (Hons.), M.A., B.L. Member, House of the People. b. 1925; s. of Pt. Jarab Lal Jha, farmer and Smt. Yogmaya Devi; m. Smt. Indira Jha; one s.; *Educ.*: B.A. (Hons.) from S. N. J. Coll., Bhagalpur, 1947; M.A., B.L. at Patna Coll., Patna Univ., 1951. President, Bihar Provincial Students' Congress *Recreations*: Cricket, Volley Ball. *Address*: Village Kasha, P.O. Kasha-Dudhichak, Dt. Bhagalpur; P. S. Mahagama, Dt. Santal Parganas.



BADEWAR, Fateh Chand, M.A. (Cantab.), M.B.E. (1941), O.B.E. (1946), Chairman and Member, Engineering, Railway Board, and Ex-Officio Secretary, Railway Ministry, Govt. of India. b. Sept. 29, 1900, s. of the late Gokal Chand Badwar, I.C.S. and Mrs. Mool Kaur Badwar; m. Dr. Mary Thomas, Professor of Gynecology and Obstetrics, Queen Mary Hospital, Lucknow, *el. d.* of Sir George and Lady Sarah Thomas, 1947; *Educ.*: Woodstock College, Mussoorie, Sherwood College, Naini Tal; Christ College, Cambridge. After 2 years of varied experience on ships, docks, bridges, canals and railways in Europe and America, was posted to the E. I. Ry., 1925; commissioned into the Corps of Indian Engineers in Sept. 1941 and commanded No. 6, Tech. Training Group until Dec. 1943; appointed Secy., Railway Board, April 1944; General Manager, O. T. Ry., Jan. 1947; granted Hon. rank of Lieut.-Col. in Territorial Army, Nov. 1952. *Recreations*: Golf, shooting, fishing, riding and racing; keen on trekking in the Himalayas and natural history in all its aspects. *Club*: Delhi Gymkhana. *Address*: The Railway Board, Government of India, New Delhi.

BAGLA, Lala Rameshwar Prasad, business man, of the ancient family of Baglas of Churu, Bikaner State, son of Lala Dinanath Bagla, business man and one of the founders of



the Marwari Intermediate College, Kanpur, and United Provinces Chamber of Commerce. b. May 7, 1904; *Educ.*: Privately under the training and guidance of his father. Took to business at a very early age and enlarged his father's business considerably; Director and Managing Agent, Maheshwari Devi Jute Mills Ltd.; Proprietor, Messrs. Gangadhar Baijnath, Kanpur; Chairman, Board of Directors, India United Mills Ltd., Bombay, the biggest textile unit in India; Partner, Agarwal & Co., Managing Agents of the India United Mills Ltd.; Director of various other prominent business concerns; has secured controlling interest in the Muir Mills Co., Ltd., Kanpur and is Chairman of its Board of Directors; has certain other business propositions in hand and is contemplating a further extension of his industrial and commercial activities; has travelled widely in Europe and developed an industrial outlook after a close study of the big industrial organisations of European countries; Member, Kanpur Municipal Board and its Chairman, 1941-43; Hon. Secy., U.P. Chamber of Commerce, 1931-40 and its President, 1940-45; Member, Executive Committee, Federation of Indian Chambers of Commerce and Upper India Chamber of Commerce for several years; Member, Central Assembly from constituency of Cities of U.P., 1930-34; Member: Employers' Delegation to the International Labour Conference at Geneva in 1931; Employers' Delegate to the Second Session of I.L.O. Textile Committee held in Geneva in 1948; tendered evidence before the Whitley Commission, Lothian Committee, and Joint Parliamentary Committee; is connected with several other public institutions of Uttar

Pradesh; renounced the title of **Raj Bahadur** on 16th August 1947; has endowed in revered memory of his parents, the **Dinanath Parbati Bagla Infectious Diseases Hospital** equipped with forty-eight beds in the Administrative Block and twenty-four beds in the Smallpox Block, each capable of providing double accommodation in case of emergency and furnished with latest equipment. *Hobby*: Fine Arts, particularly Music. *Address*: Bagla Cottage, Shrimati Parbati Bagla Road, Kanpur.

BAHADUR, Raj, B.Sc., M.A., LL.B., M.P., Deputy Minister for Communications, Govt. of India, since June 1952. *b.* Dec. 12, 1912, *s.* of Sunder Lal, Bharatpur Darbar Vakil (Representative) at the Court of Vakils for Rajputana States at Mt. Abu, and Shrim. Mahadevi; *m.* Shrim. Vidyaavati Srivastava, B.A. B.T., Headmistress, Girls' High School, Bharatpur and *d.* of R. B. Dr. Narbada Pd., Civil Surgeon, M.P.; four *s.*; *Educ.*: Sadar High School, Bharatpur; Maharaja's High School, Jaipur; Maharaja's Coll., Jaipur; Agra Coll., Agra; St. John's Coll., Agra. Advocate, High Court, Bharatpur; Pres., Bar Assoc., Bharatpur; Secy., General Secy., Vice-Pres. and Off. Pres., Bharatpur Dist. Congress Cttee.; member, Provincial Congress Cttee.; elected member, C.A., 1948 from Matya Union; member, A.I.C.C.; elected to the House of the People from Jaipur-Sawal-Madhopur Const.; Union Dy. Minister of Communications, June '51-May '52. *Publications*: Contributions in local Hindi journals. *Recreations*: Music, outings in forests. *Club*: Krishna Club. *Address*: 9, Windsor Place, New Delhi.

BAJPAL, Sir Girja Shankar, B.A. (Oxon.), B.Sc. (Allahabad), K.C.S.I., K.B.E., C.I.E., I.C.S., Governor of Bombay, since May 1952. *b.* April 3, 1891; *Educ.*: Muir Central Coll., Allahabad and Merton Coll., Oxford. Entered I.C.S., 1915; Under-Secy., U.P., 1920-21; Secy. for India at Imperial Conference, 1921 and at Conference for Limitation of Armaments, Washington, 1921-22; on deputation to the Dominions of Canada, Australia and New Zealand, 1922; Under-Secy. and Dy. Secy., Govt. of India, Dept.



of Education, Health and Lands, 1923-26; deputed to South Africa, 1925-26; Secy., Govt. of India, 1927-29 and 1932-40; deputed to Geneva, 1929 and 1930 and to the Indian E.T.C., 1930 and 1931; Adviser to Indian Delegation to Imperial Conference, 1937; Member, Viceroy's Executive Council, 1935-36 and 1940-41; A. G. for India in U.S.A.; Charge d'Affaires, Indian Embassy in Washington, 1946-47; India's Representative on Council of UNRRA, 1941-46; Leader of India Delegation Conference on Civil Aviation, Chicago, 1944, and to F.A.O. Conference, Quebec, 1945; First Alternate Delegate, Economic and Social Council, U.N. 3rd Session, 1948; Indian Rep., opening meetings of Advisory Cttee. on Permanent Hqrs., U.N., 1947; Adviser to P. M. at C'wealth Conf., Oct. 1948, April 1949 and Jan. 1951; on deputation to Security Council, U.N. for discussion of Kashmir dispute, March-April and Nov.-Dec. 1948 and Dec. 1949; Secy.-General, External Affairs and Commonwealth Relations, Govt. of India, June 1947-May 1952; led the Indian delegation to the talks on Kashmir affairs at Geneva under U.N. auspices, Feb. 1953. *Address*: Raj Bhavan, Bombay.

BAJWA, Garbhasan Singh, B.A. (Punjab), LL.B., Minister for Public Works & Projects, and Local Self-Govt., Punjab (1), since June 1952; Advocate. *b.* June 1900, *s.* of late Lt.-Col. Ishar Singh of the Kashmir Army; *m.* *g.d.* of S. B. Amar Singh Zaidin of Daska, Dist. Sialkot; five *s.* and three *d.*; *Educ.*: Khalsa

Coll., Amritsar; graduated from Murray Coll., Sialkot; started legal practice at Narowal & Sialkot; member, Sialkot Dist. Board, 1935-47; its Vice-Chairman for two years; was elected an M.L.A. from Sialkot Sikh (Rural) as an independent, 1946; was Parliamentary Secy., Development in the Khizar Ministry; Minister, East Punjab, 1949-50; re-elected M.L.A. on Congress ticket from Batala Constituency in the 1952 elections. *Address*: Chandigarh; Batala, Dist. Gurdaspur.

BAKHLÉ, Kamalakar Chintaman, B.Sc. (Hons.) (Eng.), London, Member of Institute of Transport, Member of Institution of Engineers (India), Fellow of the Permanent Way Institution; Director, Tata Industries Ltd., Member, Air India International Corporation, since July 1953. *b.* Nov. 17, 1898, 2nd *s.* of Colonel C. R. Bakhlé, I.M.S. (Retd.); *m.* Lilalal Deuskar; one *s.* and two *d.*; *Educ.*: Dulwich College, University College, London. Joined G.I.P. Railway as Assistant Engineer, March 1, 1924; retired as Chief Commissioner of Railways, Govt. of India, June 30, 1951; Managing Director, Air-India Ltd. and Air India International Ltd., 1951-53. *Clubs*: Willingdon Sports and Cricket Club of India, Bombay; Delhi Gymkhana Club, New Delhi. *Address*: C/o Air-India International Corporation, New India Assurance Building, Mahatma Gandhi Road, Bombay.

BAKSHI, Ghulam Mohammed, Chief Minister, Jammu and Kashmir, since Aug. 9, 1953. *b.* July 1907. Began life as a school teacher; served with the Local Branch of the All India Spinners' Assoc.; courted imprisonment four times during the freedom movement in the State; jailed for 18 months, 1934; worked underground during the movement for Responsible Govt. in Kashmir, 1938; took a prominent part in mobilising Indian opinion from outside the State during the "Quit Kashmir" movement; Deputy Chief Minister in charge of Police, Military, Transport, Supplies and Labour in the Sheikh Abdullah Cabinet till Aug. 8, 1953. *Address*: Srinagar.



BAL, Lieut.-General Tara Singh, Quarter-master-General, Indian Army, since Oct. 1953. *b.* of 'Bal' family with military traditions. Commissioned from Sandhurst, February 1926; served with King's Royal Rifles (British Bn.) for one year; joined the Indian Army a year later; was with 7th Light Cavalry for 12 years; commanded a Squadron of 3rd Cavalry training group, 1939; joined the Staff College, Quetta, 1940; held staff appointments at the G.H.Q., Delhi, for two months; was D.A.A., Q.M.G., Arakan and Assam Front; served with Poona Horse in Cyprus for a year during the Second World War, 1939-45; commanded 7th Light Cavalry, May 1947; took over command of 19 Ind. Infantry Brigade, Agra, 1947; was Commander, First Indian Armoured Brigade, Jhansi; was G.O.C., Delhi Area; was Deputy Corps Commander, 5 Corps; G.O.C., 21, L. of C. Area. *Address*: Army Headquarters, New Delhi.

BALAGUER, Rev. Melchior M., S.J., Ph.D., D.D., Ph.D. (London), Principal, St. Xavier's College, Bombay, since 1949. *b.* May 15, 1900; *Educ.*: Barcelona (Spain), Stonyhurst (England), Dublin and London. Prof. of Philosophy, St. Xavier's College, Bombay; since 1937; Vicar-General of the Archdiocese of Bombay, 1939-48. *Address*: St. Xavier's College, Crulichank Road, Fort, Bombay.

BALAKRISHNAIA, Mr. Justice Nagesh, B.A., LL.B., Judge, High Court of Mysore, since June 14, 1948. *b.* Nov. 22, 1894, *s.* of Nagappa and Smt. Ranganamma; *m.* Smt. Narayanasamma; four *s.* and five *d.*; *Educ.*: Bangalore and Bombay. Was in the Govt. Gasetted service in the Revenue Dept., 1919-21

and Judicial Dept., 1926-27; resigned; practised as an Advocate in the Mysore High Court, 1921-48; member, Bangalore City Corp. for ten years; its Mayor, 1938 and 1939; member, Mysore Leg. Council and later of the Mysore Rep. Assembly (House of the People); member, Senate and Syndicate, Mysore Univ., 1939-45; was elected Pres., Mysore Adult Edn. Council for five years; ex-member, Red Cross Assoc.; Vice-Pres., Dist. Scout Council; appointed Chairman, Cttee. for the Prohibition of Beggary in the State, 1941; was closely connected with a number of educational institutions, students' hostels and banking and industrial concerns; toured round Europe and U.S.A., 1950. *Address*: 'Homestead', Seshadripuram, Bangalore City.

BALAMANI Amma, Shreemati N., Writer. *b.* July 19, 1909, *d.* of C. K. Raja and Smt. Kochukutty Amma; *m.* V. M. Nair, Oct. 19, 1928; two *s.* and two *d.*; *Educ.*: Privately. Only literary career. *Publications*: *Mother* and ten other volumes of poems. *Recreation*: Reading. *Address*: "Sarvodaya," Punnaurkulam P.O., Malabar.

BALAN, P. V., M.S.R., Radiographer, X-Ray Technician. *b.* 1921; has been practising Medical Radiography since 1941; served in World War II; has done work in Mass Radiography; is at present engaged in organizing a society of Radiographers in India, to promote the science and the art of Radiography and Radiotherapy in all its branches in this country; is now serving the Medical Department of the Tata Iron & Steel Company, Limited, Jamshedpur. *Address*: X-Ray Department, Tata Main Hospital, Jamshedpur, Bihar.



BALRAMPUR: Maharaja Sir Pateshwari Prasad Singh Sahib, Kt. (1941), K.C.I.E. (1946), Maharaja of Balrampur Raj; Owner of the premier taluqdari estate in Oudh, situated mainly in Gonda, Bahraich, Lucknow, Fyzabad and Partabgarh Districts. *b.* January 2, 1914, *s.* of the late Maharaja Bahadur Sir Bhagwati Prasad Singh, K.C.I.E., K.B.E., who died in 1921 and *g.* of the late Maharaja Sir Digbijai Singh Bahadur, K.C.S.I., who rendered loyal service to Government and enjoyed a salute of nine guns; *Educ.*: Privately and the Chiefs' Mayo College, Ajmer; *m.* Maharani Shrimati Raj Lakshmi Kumari Devi, *d.* of H. H. the late Maharaja Sir Chundra Shumsher Jung Bahadur Rana, G.C.B., G.C.N.G., G.C.S.I., G.C.V.O., D.C.L., ex-Prime Minister and Supreme Commander-in-Chief of Nepal, November 1932. Invested with full administrative powers on 22nd March, 1937; is a Janwar Rajput, and his ancestors migrated from Pagarah (Gujarat) in the 16th century. *Address*: P. O. Balrampur, District Gonda, U.P., Rly. Station Balrampur, N.-E. Rly.

BANDYOPADHYAYA, Smarajit, M.A., B.L., Deputy Minister, Food Branch of Food, Relief and Supply Dept., West Bengal. *b.* 1910, *s.* of Bakkeswar Bandyopadhyaya and Smt. Sifa Indu Nivaran Devi; *m.* Smt. Aparna Devi; *Educ.*: C.M.S. St. John's H. School, Krishnagar; Krishnagar Govt. Coll.; Vidya-sagar Coll., Calcutta; Univ. Law Coll., Calcutta. Joined student and revolutionary movement; Secy., Nadia Dist. Students Assoc. branch of A.B.S.A., 1930; imprisoned for leading student movement during C. D. Movement of 1930; imprisoned in No-tax Campaign, 1932; was interned; Secy., Town Congress and Asst. Secy., Dt. Congress, 1934-36; Secy., Dt. Congress Cttee., 1937-38, 1940 and 1950-52; detained as Security Prisoner during Aug. Revolution, 1942-45; connected with Trade Union, Cultural and Social organisations of the Dist.; Editor of a fortnightly journal and correspondent of many

Bengali and English Calcutta Dailies and News Agency; was Pres., Dt. Journalists Assoc.; member, P.C.C. since 1934. *Address:* (Office) 11A, Free School Street, Calcutta, (Residence) P.O. Krishnagar (Nadia Dist.).

BANERJEE, Mr. Justice Sambhunath, M.Sc. (First class first), LL.D. (Calcutta Univ.), Bar-at-Law, Judge, High Court, Calcutta; Vice-Chancellor, Calcutta Univ. b. October 1892, s. of late Bindul Banerjee, Zemindar, Birbhum; m. Susama Debi, g.d. of Raja Piary Mohan Mukerjee, C.S.I. Uttarpara, Hooghly; *Educ.*: Scottish Churches' College; Presidency College; University Law College; Grays Inn, London (First class in Hindu Law and Constitutional Law); Professor of Mathematics, Scottish Churches' Coll. and Ripon Coll.; Professor of Law, Ripon Coll., Calcutta; Advocate, Calcutta High Court. *Recreations:* Music; Mathematics. *Address:* 7, Koyatola Lane, Ballygunj, Calcutta.

BANERJI, Amiya Charam, I.E.S. (Retd.), M.Sc., M.A. (Cantab.), F.R.A.S. (Eng.), F.N.I., Wrangler Math. (Cantab. 1918), Vice-Chancellor, Allahabad University, b. 23rd Sept. 1891; m. Probha Nogy (1921); *Educ.*: Zilia School, Bhagalpur; Presidency College, Calcutta; Clare College, Cambridge; Behar Govt. Scholar to Cambridge, 1915. Foundation Scholar, Clare College, Cambridge. Professor and Head of Department of Mathematics 1923-51, Dean, Faculty of Science, 1941-44 and 1950-51; President, Secondary Educational Conference, U.P., 1938 and 1943; Hon. President, National Academy of Science, Allahabad, 1947-48; Vice-President, National Institute of Sciences (India); Member of the International Astronomical Union; First President of Mathematics section of Indian Science Congress; Pres.: Banaras Mathematical Society, 1942-46; Calcutta Mathematical Society, 1945-47; University Teachers' Assoc. Allahabad, 1947-49; Associate Editor in Mathematics for Indian Science Abstracts. *Publications:* Several research papers in Hydrodynamics, Nuclear Physics, Wave Mechanics, Relativity and Expanding Universe, Galactic Dynamics and Astronomy. *Address:* Gyan Kutir, Beli Road, Allahabad.

BANERJI, S. K., I.C.S., Ex-Deputy High Commissioner for India in Pakistan, Lahore, b. October 21, 1913; m. Smt. Gauti, d. of A. C. Chatterjee (late) General Manager, Central Railway); one s. and one d.; *Educ.*: Allahabad Univ. and New College, Oxford. Joined the Indian Civil Service, 1937 and served in Madhya Pradesh as Asst. Commissioner; Deputy Commissioner (since April 1942) at Khandwa, Balaghat, Nagpur and Akola and Secretary to Govt. since 1946; selected for the Indian Foreign Service, 1947 and served in the Embassy of India, Teheran, as First Secy., and later as Charge d'Affaires; has been Deputy Secy. to the Govt. of India in the Ministry of External Affairs, March 1949 to May 1951. *Address:* C/o External Affairs Ministry, New Delhi.

BANGALORE, Most Rev. Thomas Pothacumary, Archbishop of b. Sept. 2, 1889; *Educ.*: Bellary, Trichinopoly and Papal Seminary, Kandy. Ordained priest at Kandy, Dec. 17, 1916; Asst. Priest at Royapuram, Madras, Jan. 18, 1917 and worked in several parishes of Madras till 1940; Editor, Madras Weekly, the Catholic Leader named later the New Leader, 1921-40; First Secy., Catholic Educational Council of Madras Presidency, 1928; later Vice-President; Hony. Chamberlain to



H.H. the Pope, 1934; Domestic Prelate, July 15, 1938; appointed Bishop of Guntur,

April 9, 1940, consecrated in Madras, June 29, 1940; translated to the See of Bangalore, Oct. 15, 1942, took charge Jan. 31, 1943; elected Gen. Secy., Catholic Bishops' Conference of India, Sept. 1944; visited Europe, 1933, Europe and America, July 1939 to March 1940 and travelled extensively in England, Ireland, Belgium, France, Italy and U.S.A., 1946-47; visited Rome for the Holy Year, 1950 and several European Countries including England; visited Rome, Jan. 1950, Australia, Fiji Islands and U.S.A., April-Aug. 1953; nominated first Archbishop of Bangalore with the suffragan Sees of Mangalore, Mysore and Bellary, Sept. 19, 1953. *Address:* Archbishop's House, 20, Miller's Road, Bangalore 1.

BANTHA, Seth Champalal, Partner of Messrs Hamirmull Champalal, 2, Rajawoodmunt Street, Calcutta, b. Dec. 15, 1902, s. of Seth Hamirmull Bantha; m.; has two s. and three d. Has considerable interest in the concerns of Kaseela Ltd., Matchwell Electricals (India) Ltd., Delhi, the Rampuria Ice Factory Ltd., Bikaner; and Bikaner Gypsums Ltd.; Director in all the above concerns; has huge landed property at his native town of Bhinasar and in Bikaner; Trustee and Secy., Shri Jawahar Vidyapathi; President, Municipal Board, Bhinasar; Ex-Honorary Magistrate; member of former Bikaner State Legislative Assembly; had received many high honours from the Government of His Highness the Maharaja of Bikaner, like hereditary right to wear Gold Anklet, KATFIYAT (CHHARI) Chapras and Public Service Medal; has been playing a prominent part in the social field; initiated a big campaign in 1943 for the prevention of minors being made sadhus and received good support from all the leading political, social and religious leaders of India; was recently the recipient of a Gold Medal for meritorious service rendered to the Jain Samaj of Bikaner; was recently elected Pres., All-India Svetambar Sthanakvasi Jain Conference held at Sadri (Marwar). *Address:* Bhinasar (Bikaner).



BAPAT, Shriram Balkrishna, B.Sc. (Bom.), B.A. (Cantab.), Bar-at-Law, I.C.S., Joint Secretary, Ministry of Home Affairs and Establishment Officer to the Govt. of India and Principal, Indian Administrative Service Training School, New Delhi, b. August 22, 1906, s. of B. S. Bapat, Advocate, Amraoti, M.P.; *Educ.*: Fergusson College, Poona; Royal Institute of Science, Bombay; Emmanuel College, Cambridge; School of Oriental Studies, Middle Temple, London. Held various posts in the Indian Civil Service under the Bengal Government and the Central Government. *Recreations:* Billiards and Amateur Dramatics. *Clubs:* Calcutta Club, Calcutta and Delhi Gymkhana Club, New Delhi. *Address:* Ministry of Home Affairs, Government of India, New Delhi.

BARLINGAY, Dr. Waman Sheodas, B.A. (Nagpur), M.A. (Lond.), Ph.D. (Lond.), Bar-at-Law, Ex-Minister, Madhya Pradesh b. January 15, 1904 m. Shantabai, d. of Pralhad Ramchandra Deshpande of Sindi in Wardha District; *Educ.*: Patwardhan High School and Morris College, Nagpur, 1918-24; Univ. Coll., London, 1924-30; Cambridge, 1928-30. Began practicing at the Nagpur Bar in 1930; courted imprisonment in 1932 and again from Aug. 1942-Jan. 1944 in various jails in connection with Congress movement; suspended from practice between 1932 and 1935; member of various Univ. bodies since 1930; elected member of the Prov. Leg. Assembly, 1946; Public Health Minister, M.P., 1946-52. *Publications:* Several articles on the "Status of Sense-Dafa" in the Nagpur Univ. Journal. *Address:* Dharampeth, Nagpur.

BARODA: Capt. His Highness Fursand-I-Khas-I-Dowlat-I-Englishia, Maharaja Fatesingrao Gaekwad of, does social work in former Baroda State. b. April 1930, s. of His Highness the Maharaja Sir Pratapsingh Rao Gaekwad and Her Highness Maharani Shantadevi Gaekwad of Baroda; m. Princess Rajendra Kunwar of Jodhpur, April 1950; *Educ.*: Privately. Is doing social work in the former Baroda State. *Recreations:* Shooting, Cricket, Tennis, Table Tennis, Indian Classical Music, Farming, etc. *Clubs:* N. B. C. I.; Shri Sayaji Vihar Club; Maharaja Pratapsingh Coronation Gymkhana; Rajputana Club, Abu; Bombay Presidency Radio Club. *Address:* Laxmi Vilas Palace, Baroda.



BARTOS, John Frank, Managing Director, Bata Shoe Co., Ltd., Calcutta; also Director in other Bata Companies in Far East b. November 21, 1900 in Zlin, Czechoslovakia, British subject, *Educ.*: in Czechoslovakia and U.S.A. Started his career in Bata organisation in Zlin, came to India in 1933 and assumed charge of Bata organisation here, built up Bata Nagar, an industrial town 12 miles south of Calcutta, connected with various public bodies and organisations, Pres., Rotary Club, Member, Calcutta Club, etc., Vice-President, Bengal Olympic Association; Vice-Patron, City Athletic Club, Calcutta. *Publications:* Evolution of Indian Shoemaking—An outline of the history of shoemaking in India. *Address:* 5, Mayfair, Calcutta 19.



BARUA, Dr. Birinchi Kumar, M.A., B.L., Ph.D. (Lond.), Writer in Assamese and English; Professor and Dean of the Faculty of Arts, Gauhati University b. Nov. 20, 1910, s. of late Bejoyram Barua, m. Smt. Shantichaya Barua, two s., *Educ.*: Calcutta, London, Uppsala (Sweden). *Publications:* Assamese Literature (P.E.N. publication), A Cultural History of Assam, Studies in Early Assamese Literature, Jibanur Batul (a novel in Assamese). *Address:* Gauhati, Assam.

BARUA, Sadasiv Govind, B.A. (Bombay), B.A. (Cantab.), Economist, F.R.P.S., I.C.S., Joint Secretary, Ministry of Finance, Govt. of India, b. April 27, 1914, s. of, Rao Bahadur G. K. Barua; *Educ.*: Fergusson College, Poona, St. John's College, Cambridge. Joined I.C.S., 1938; appointed Under-Secretary, Home Department, 1939; Deputy Secy., Home Dept. and Deputy Secy., Food Dept., 1940-45; Collector of Dharwar, Ahmedabad and Poona Districts, 1945-48. Commissioner, Poona Corporation. *Clubs:* Poona Club; Club of Maharashtra, Mahabaleswar Club; Cricket Club of India. *Address:* Imperial Gymkhana, Delhi, Secretariat, New Delhi.

BARWANI (Madhya Bharat): His Highness Maharana Sahab Shrimant Devi Singhji Bahadur, Maharana of b. July 13, 1922, the Maharana being Shodha Rajputs belonging to the Udaipur Ruling Family, who were separated from the parent stock about the 14th century; m. Shreemati Dilher Kunwarba Sahita, niece of H. H. Maharao Sahab of Kutch, May 1943, Her Apparent Maharajkumar Shreemant Anirudh Singhji Sahib, b. May 21, 1944; *Educ.*: Daly Coll., Indore, passed the Diploma Exam., 1939, and Intermediate Exam. from Indore Christian



Col.; joined the Officers' Training Course and received military training for six months; received judicial and administrative training and also training in agriculture at the Institute of Plant Industry, Indore. Ascended the *Gadi*, April 21, 1930; invested with full ruling powers, Oct. 18, 1942. Had his State, with an area of 1,778 sq. miles, a population of approximately 2 lakhs and a revenue of about Rs. 18 lakhs, situated in Central India, now a part of Madhya Bharat Union, merged along with the other Indian States, which have acceded to the Indian Union. Entitled to a salute of 11 guns. *Address*: Barwani (Madhya Bharat).

BASHIR, Sheikh Mohammed, Managing Director, Juggilal Kamlatpat Iron and Steel Co., Ltd.; Partner, Indian National Tannery and Proprietor, Auto Service Garage, Kanpur. *b.* September 1902.



s. of late Hon'ble Khan Bahadur Hajj Hafiz Mohamed Hallim; *m.*; *Four s.*; *Educ.*: B.Sc., Allahabad; B.Com. (Lond.), F.R.E.S., Bar-at-Law (Middle Temple). Member, Municipal Board and Ex-Member, Kanpur Development Board; Ex-Director, Reserve Bank of India (Northern Delhi area); Member, Iron and Steel Panels (both Major and Minor) of Govt. of India for Post-War Development; Ex-President, Rotary Club of Kanpur and Merchants' Chamber of U.P.; was Honorary Magistrate; Captain, Indian Gymkhana Club in London, 1924 and 1925. *Recreations*: Shooting, Cricket and Tennis. *Address*: Bashir Lodge, Kanpur.

BASU, Anath Nath, B.A. (Cal.), M.A. (Lond.), M.Ed. (Winnetka, U.S.A.), Principal, Central Institute of Education; Dean of the Faculty of Education, University of Delhi. *b.* Feb. 26, 1900, at Bhagalpur, Bihar. *s.* of Charuchandra Basu, and Ferokzumi Basu; *m.* Sushila (née Ghose); *one s.* and *one d.*; *Educ.*: Calcutta Univ.; London Day Training Coll. and King's Coll., London Univ.; Graduate, Teachers' Coll., Winnetka, U.S.A. Joined Non-Co-operation Movement; later joined the Staff of the Visva Bhavati, Santiniketan. Represented the Govt. of India at the 11th International Conference on Public Education in Geneva, 1947. was Group Chairman, UNESCO Seminar at Mysore, 1948; invited by the British Council to tour in Great Britain to study the British system of education; acted as Group Leader, UNESCO Seminar on education in world Citizenship held in Netherlands, July 1952; acted as member-secretary, Secondary Education Commission set up by the Univ. of Education, 1952-53. *Publications*: *Education in Modern India, A Review: University Education in India, Past and Present; Primary Education in India; Mirabai; etc.* *Recreations*: Art; Literature, Handwork. *Address*: Central Institute of Education, Probyn Road, Delhi 9.

BASU, Jyoti, B.A., Bar-at-Law, Communist leader, M.L.A. (West Bengal). *b.* July 8, 1914, *s.* of Dr. N. K. Basu; *m.* Smt. Kamal Basu; *Educ.*: St. Xavier's Coll. and Presidency Coll., Calcutta. Barrister, Calcutta High Court; member: Communist Party of India, since 1940; Political Bureau of the Central Ctee. of the C.P.I.; Working Ctee., A.I. T.U.C.; Pres., B. & A. Railroad Workers' Union; Secy., Bengal Provincial T.U.C.; detained twice under the West Bengal Preventive Detention Act, 1948 and 1950. *Address*: 55, Hindusthan Park, Ballygunge, Calcutta.

BASU, Satyendra Kumar, Natural Sciences, Tripos (Cambridge), Barrister-at-Law (Inner Temple), Minister, Judicial & Legislative Department, Govt. of West Bengal. *b.* Nov. 2, 1903, *s.* of Dr. Harilal Basu (deceased), Civil Surgeon, Burma and Smt. Urmila Bala

Basu; *m.* Smt. Malina Basu; *four d.*; *Educ.*: London & Cambridge. *Recreations*: Indoor games, hiking, angling and shooting. *Address*: 10, Mohan Chand Road, Kidderpore.

BASU, Sukumar, C.I.E. (1944), O.B.E. (1941), I.C.S., Chairman, Public Service Commission, West Bengal, since Nov. 1950. *b.* 1900, *s.* of Girija Prasanna Basu of Calcutta; *m.* Smriti, *d.* of Jnanendra Nath Ghosh of Govindadham, Bengal, 1923; *Educ.*: Calcutta Univ., Jesus Coll., Oxford. Magistrate and Collector, Midnapore, 1933-34; Dep. Secretary, Government of Bengal, Finance, Commerce and Marine Depts., 1934-35; Dep. Secy., Govt. of India, Education, Health and Lands Dept., 1942-44; Secy., Food Advisory Council, Govt. of India, 1942, and Secy., Govt. of Bengal, Agriculture Dept., 1944-47; Joint Vice-Chairman and Vice-Chairman, Indian Council of Agricultural Research, Dept. of Agriculture, Govt. of India, Jan. to Oct. 1947; Joint Secy., Ministry of Agriculture, Govt. of India, 1947-50; Secy., Ministry of Agriculture, Govt. of India, Dec. 1947; member, Foodgrains Policy Committee, Govt. of India, 1943; Delegate to the Food and Agriculture Organisation Conference held at Copenhagen, Sept. 1946. *Address*: Public Service Commission, West Bengal, Calcutta 27.

BATLEY, Claude, F.R.I.B.A., F.I.I.A., Partner, Gregson, Batley and King, Chartered Architects. *b.* Oct. 1879; *Educ.*: Queen Elizabeth's School, Ipswich. Articled in Ipswich; practised in Kettering, Northants and in London up to 1913 and in Bombay thereafter. Prof. of Architecture, Sir J. J. School of Art, Bombay, 1924-43. *Publications*: *The Design Development of Indian Architecture* (in three volumes, 1934, second edition, 1940, in one volume), Oxford Pamphlet on Architecture in Indian Affairs series, *Bombay Houses and Homes*, Bombay Citizenship series, National Information and Publications Ltd., Bombay and sundry articles and papers both in England and India on architectural subjects. *Address*: Chartered Bank Building, Bombay.

BATRA, Ratan, Artist. *b.* Sept. 14, 1912, in Amritsar; *Educ.*: in Lahore and later in the Mayo School of Art; was one of the six art students to work on the frescoes (Mughul Style) in the domes above the main entrance of the south block of the Indian Secretariat, Delhi; recipient of a merit scholarship and John Lawrence scholarship for 3 years; won a prize of the Punjab Fine Art Society. Joined the "Times of India," Art Department, 1933; passed meritiously the Advance Painting Examination of the Sir J. J. School of Art; worked on his own and established Studio Ratan Batra, 1936; later, founded Ranjit Sales and Publicity Ltd.; was associated with the Art & Industry Movement, 1945-48; Life member, Art Society of India, Bombay Art Society, All-India Arts and Crafts Society, New Delhi; member, All-India Board of Technical Studies in Applied Art, Ministry of Education, Govt. of India; Indian Society of Oriental Art, Calcutta; Associate Member, The Society for Education in Art, London; member, All-India Assoc. of Fine Arts; Promoter, Commercial Artists' Guild. *Address*: Ilaco House, Sir Phirozshah Mehta Road, Fort, Bombay.

BAVDEKAR, Mr. Justice Rajaram Shripad, B.A. (Bom. & Cantab.), Judge, High Court, Bombay. *b.* Sept. 10, 1898. *Club*: Willington Sports Club. *Address*: Crimlitti, Narayan Dabholkar Road, Malabar Hill, Bombay.

BAYA, Bhurelal, Ex-Minister for Transport, Communications and P.W.D., United State of Rajasthan. *b.* Shravan Shukla 12, Samvat 1961, *s.* of Kanahiyalal Baya; *m.* Shrimati Sohan Devi; *four s.* and *two d.*; *Educ.*: Udaipur and Batlam. Joined Mewar Govt. service; started practice; started business in Bombay, 1923; joined Bombay

Congress, 1928, participated in Simón Commission Boycott Movement and Salt Satyagraha; took part in National Movements of 1932 and 1942; also in Mewar Prajamandal Satyagraha, 1938; jailed four times; one of the founders of the Mewar Prajamandal; was its Vice-Pres., General Secy. and Pres.; worked in the famine stricken area, 1939, and flood affected area, former Mewar State, 1943; widely travelled in India; actively interested in the welfare of aboriginals and criminal tribes of Rajasthan; Pres., Rajasthan Adivasi Mandal; launched Kisan movements in Mewar; became Minister, for Jagir and Supplies in the former Union of Rajasthan; took over all powers of jagirdars of Rajasthan. *Address*: Udaipur.

BAZAJ, Lala Giloomal, Business man and public worker, Kanpur. *b.* Dec. 28, 1901, *s.* of Lala Mahanandramji Bazaj; *m.* Shrimati Hardeviji; *one s.*, Ramkrishna Bazaj. Pres., Regd. Kanpur Kapra Ctee.; General Secretary, Shri Marwari Balika Vidyapith Inter College and Shri Marwari Aushdhalaya Society, Kanpur; Vice-Pres., Marwari Intermediate College; Asstt. Secy., Marwari Library;



Treasurer, Kanpur Gausshala Society and Akhil Bhartiya Bal Vidyapith, Kanpur. member, All-India Marwari Federation and Indian Red Cross Society, Dist. Branch, Kanpur; is connected with several other public institutions; selling Agents: Swadeshi Cotton Mills Co. Ltd., Kanpur; Raymond Woollen Mills Co. Ltd., Bombay. *Address*: Giloomal Jainaram, Generalganj, Kanpur.

BEDEKAR, Gopal Vaman, B.Sc. (Bombay), B.Sc., Eng. (London), I.C.S., Secretary to the Govt. of Bombay, Civil Supplies Dept. *b.* Oct. 10, 1908; *m.* Sumati, B.A., *d.* of Lt.-Col. Gharpure, I.M.S.; *one d.* and *two s.*; *Educ.*: Miraj High School; Ferguson College, Poona; London University. Joined I.C.S., Nov. 1933; Asstt. Collector, Nawabshah, Sukkur, Mirpurkhas (Sind), 1933-37, under financial training, Nov. 1935-Feb. 1936; Manager, Encumbered Estates and Court of Wards, Sind, 1937-38; Collector, Sukkur, 1938; Registrar, Co-operative Societies, Sind, 1938-41; Collector, Katra, 1941-43; Additional Director of Civil Supplies, Bombay, May-Nov. 1943; Collector, Thana & Bombay, 1943-46; Deputy Secretary, Govt. of India, Home Dept., 1946-49; Chief Commissioner, Ajmer-Merwara, 1947; Secy., Press Laws Enquiry Ctee., 1948; on Special Duty (Merger of Baroda State), March-April 1949; Secy., Home Dept., Revenue Dept. and P.W.D., 1949-52. *Address*: Secretariat, Bombay.

BEDI, Lt.-Col. Kanwar Daya Singh, Chief Commissioner, Coorg. *b.* Jan. 27, 1899, *s.* of Raja Sir Gurbukhsingh Bedi, K.B.E., Kt., C.I.E., of Kallar, District Rawalpindi, Punjab; *m.* Miss Anand Dhall; *one s.*, Tika Aridaman Singh Bedi and *two d.*, Manmohan Kumari and Shiela Kumari; *Educ.*: Early education in Rawalpindi; graduated from the Military Academy in Sandhurst, U. K., July 1921. Commissioned in the Indian Army, 1921; joined the Foreign and Political Department of the Government of India, Sept. 1928; spent the greater part of his official life (1935-1946) on the North-West Frontier and Baluchistan; appointed Political Agent, Quetta-Pishin, Nov. 1938; Political Agent, Loralai (Baluchistan), 1939-41; Political Agent and Deputy Commissioner in Hazara (North-West Frontier Province), Jan. 1942-Sept. 1944; was then appointed as Political Agent, Kurram, the Agency bordering on Afghanistan; Political Agent, Orissa States, 1946-47; Regional Commr., Rajputana, 1948; High Commissioner for India in Australia, 1948-March 1950. *Recreations*: Falconry, Polo, Tennis, Hunting and Coursing. *Address*: Mercara, Coorg.

BEG, Mr. Justice Mirza Nasir Ullah, M.A. (Cantab.), Bar-at-Law, Judge, High Court, Allahabad, since 1951. *b.* June 4, 1905, *s.* of Nawab Mirza Yar Jung Bahadur (Mirza Samiullah Beg), Ex-Judicial and Ecclesiastical Minister, Hyderabad Dn.; *m.* Sayeeda Begum; one *s.* and two *d.*; *Educ.*: Presidency Coll., Madras; Trinity Coll., Cambridge. Started practice, 1930; Asstt. Govt. Advocate, Chief Court of Avadh, 1943-46; Govt. Advocate, Chief Court of Avadh, 1946-48; Govt. Advocate, High Court at Allahabad, 1948-51. *Recreation*: Golf. *Address*: 33A, Stanley Road, Allahabad.

BELL, Thomas, M.I.C.E., M.I.E. (Ind.), F.P.W.I., Chief Engineer, Western Railway *b.* March 6, 1902, *cl. s.* of Mr. and Mrs. Thomas Bell of Oxtou, Cheshire; *m.* Grace Eleanor Anderson, *pl. d.* of Mr. and Mrs. C. W. Anderson of Tye Green, Essex; two *s.* and one *d.*; *Educ.*: Birkenhead Institute and Holt Engineering Coll.; pupil to the late B. P. Wall, M.I.C.E., Chief Engineer, Bromborough Dock & Lewis & Harris Welfare and Development Co.; served the B. N. Rly., 1921-50, as Asstt. Engineer, Dist. Engineer, Bridge Engineer, Dy. Chief Engineer, Administrative Officer, Vishakapatnam Harbour and finally Dy. General Manager (Works); Engineer-in-Chief, B.B. & C. I. Rly., 1950-51, when the line was incorporated in the newly formed Western Rly., when designation was changed to Addl. Chief Engineer and later Chief Engineer. *Recreations*: Polo, Tennis *Club* Royal Bombay Yacht Club *Address*: C/o Grindlays Bank Ltd., Bombay

BELVALKAR, Shripad Krishna, M.A., Ph.D. (Harvard Univ.), I.E.S. (Retd.), Indologist, *b.* Dec. 10, 1880; *Educ.*: Rajaram Coll., Kolhapur and Deccan Coll., Poona and at Harvard. Joined Bombay, *Educ.* Dept., 1907; Prof. of Sanskrit, Deccan Coll., 1914-1934; Gujarat Coll., Ahmedabad; Univ. Prof. of Sanskrit Banaras Hindu Univ.; Basu Mahk Lecturer on Vedanta Philosophy (Calcutta Univ., 1925), one of the principal founders of the Bhandarkar Oriental Research Institute, Poona, and its Hon. Secy., 1915-18 and 1927-33; General Editor of the B.O.R. Institute's critical edition of the Mahabharata, since April 1943; Editor of the Bhishmaparvan (pub. 1947), and of the Shundiparvan (4 Vols., 1949-54); President, All-India Oriental Conference, Twelfth (1943, Banaras) Session, Hon. Fellow of the Royal Asiatic Society, London and of the Bombay Branch of the R.A.S. *Publications*: Systems of Sanskrit Grammar, Edition and translation of Bhavabhuti's *Later History of Rama* in the Harvard Oriental Series; English translation of Kavyadarasa; critical editions with notes and translation of the Bhagavadgita, and Brahmasutrabhashya; and (in collaboration with Prof. Ranade) *History of Indian Philosophy*, Vols. 2 and 7, besides over 120 papers on various aspects of Indology published in Oriental Journals. *Address*: "Bhivakumja," Poona No. 4.

BENTHALL, Sir Edward Charles, Kt. (1933), K.C.S.I. (1945), Chairman, Bird & Co., Ltd., Calcutta, and F. W. Heilgers & Co., Ltd., Calcutta, *b.* November 26, 1893, *s.* of Rev. Benthall and Mrs. Benthall; *m.* Hon'ble Ruth McCarthy Cable, *d.* of first Baron Cable of Ideford, 1918; one *s.*; *Educ.*: Eton (King's Scholar), King's College, Cambridge. Served European War, 1914-19 (wounded); Staff War Office, 1918-19; Director, Imperial Bank of India, 1920-34; Governor, 1928-30; President, Bengal Chamber of Commerce, and of Associated Chambers of Commerce of India and Ceylon, 1932 and 1936; Delegate, Indian Round Table Conference, 1931-32; Director, Reserve Bank of India, 1935-36; Indian Army Retirement Ctee., 1931; Council of State, 1932-33; Bengal Leg. Assembly, 1934-35; Bengal Leg. Council, 1937-38; Ministry of Economic Warfare, London, 1940-41; Board

of Trade, 1941-42; Member, Governor-General's Executive Council (War Transport), July 1942-June 1946. *Address*: 37, Ballygunge Park, Calcutta.

BERIO, H.E. Signor Alberto, LL.D., Italian Ambassador in India. *b.* March 3, 1900, *s.* of Adolfo, former Vice-Pres. Senate in Italy. *m.* Anne Maria Bianchi D'Espinoza, three children, *Educ.* Rome, took his LL.D., 1921. 30 years of diplomatic service in Prague, Sofia, Geneva, Ankara, Tangier, Bern and Santiago. *Publications*: *Missioni Segrete* (about the Italian Armistice). *Club* Gymkhana Club. *Address*: 17, York Road, New Delhi.

BHABHA, C. H., M.A., B.Com., J.P., Director, Central Bank of India Ltd., and Oriental Assurance Co. Ltd., etc. Chairman, Eastern Shipping Corporation, *b.* July 22, 1910, *s.* of Khan Bahadur H. K. Bhabha; *Educ.*: St. Xavier's College and Sydenham College of Commerce, Bombay; Fellow of St. Xavier's College (1932-34); Fellow and Lecturer in Banking Law and Practice, Sydenham College of Commerce, Bombay (1932-33). Justice of Peace and Presidency Magistrate (Hony.), Commerce Member, Interim Government of India, September 1946; Member, Works, Mines & Power, Government of India, November, 1946; Commerce Minister, Govt. of India, 15th August 1947; resigned, April 1948, Leader of the Indian Delegation to World Trade Conference, Havana, November 1947, Vice-Chairman, Rural Banking Enquiry Ctee., Chairman, Company Law Ctee.; elected Vice-President, International World Trade Conference, Havana, November 1947. *Publications*: Contributions to Journals and Newspapers on Banking and Commercial topics. *Hobbies*: Riding, Swimming, Photography. *Address*: C/o The Central Bank of India Ltd., Fort, Bombay.



BHABHA, Homi Jehangir, B.A. (Cantab.), 1930, Ph.D. (Cantab.), 1934, D.Sc. Honoris Causa (Patna) 1944, (Lucknow) 1949, (Banaras) 1950, Azra (1952), F.R.S., 1941, Director and Professor of Theoretical Physics, Tata Institute of Fundamental Research, Bombay; chairman, Atomic Energy Commission, India, *b.* Oct. 30, 1909; *Educ.*: Cathedral and John Connon High School, Elphinstone Coll., and Royal Institute of Science, Bombay; Gonville and Caius College, Cambridge; In Cambridge he had Rouse Ball Travelling Studentship in Mathematics in 1932, and Isaac Newton Studentship from 1934, held the Senior Studentship of the Exhibition of 1851 from 1936, Became special Reader in Theoretical Physics in 1940 at the Indian Institute of Science, Bangalore, Adams Prize, 1942, Professor in charge of the Cosmic Ray Research Unit, Indian Institute of Science, 1942-45, Hopkins Prize, 1948. *Publications*: Papers on quantum theory, the theory of elementary physical particles and cosmic radiation. *Address*: Mehraagar, 12, Little Gibbs Road, Malabar Hill, Bombay 6

BHADERWA: His Highness Shrimant Meherban (Namdar) Thakor Sahab Shree Samarvijayiniji Natwarzinhi, Thakor Sahab of, *b.* Oct. 21, 1942; succeeded to the Gadi, Oct. 8, 1950, on the death of late Thakor Sahab Shri Natwarzinhi Ranjitsinhji; during minority mother Rajmata Shree Jijirajkunverba Sahab has been recognized by the Govt. of India as guardian. A jurisdictional State having an income of about three lakhs since integrated with



the State of Bombay and placed in the

Baroda Dist.; gets a privy purse of Rs. 40,460. *Address*: Palace, Bhaderwa (Rewakantha).

BEADRAVADI, H.E. Mr. Luang, LL.D. (France), Ambassador of Thailand to India, since 1953. *b.* Feb. 19, 1904; *m.* Magdeleine Marten, *Educ.*: LL.D. from Univ. of Poitiers, France, 1929. Attache, Royal Thai Legation, London, 1929. 3rd Secretary, 1932; 2nd Secretary, 1936; 1st Secretary, 1937; Charge d'Affaires at the Hague, Brussels and Paris, 1938, Charge d'Affairs, London, 1939; Counsellor of Embassy, Ministry of Foreign Affairs, Bangkok, 1947. Director-General, Eastern Political Affairs Department, 1948; Envoy Extraordinary and Minister Plenipotentiary to the Philippines, 1949. *Publications*: *La succession au testament dans le Droit Siamois*, 1929, *Recreation* Tennis *Clubs*: Delhi Gymkhana Club, *Address*: Royal Thai Embassy, 15, Amangzeb Road, New Delhi.

BHAGAT, Jashwantlal Vrindavandas, B.A., Business man; Proprietor, Jashwantlal V. Bhagat, Share, Stock and Finance Broker, Bombay, *b.* June 5, 1912; *Educ.*: P. V. Arts, St. Xavier's Coll., Bombay; graduated from Wilson Coll., Bombay, 1931, took part in Dramatics, Elocutions, etc., was Secy. of important Associations in the college. Joined the Congress movement, 1930; worked with Shri Unnashankar Dikshit, Yusuf Meherally, etc. in the Shadow Cabinet, was Hon. Secy., Bombay Students' Brotherhood, Progressive Group, Bombay for two years; member, Managing Ctee., Radio Club and the W. I. A. Club Ltd.; Hon. Secy. and Treasurer of the International Social Club, Member, Ctee., Amateur Cine Society, Wilsonian Assoc., etc., Dir. Bombay Stock Exchange Governing Board, Member: Sub-Ctees., Indian Merchants' Chamber; Finance, Banking, General Purposes and Income Tax, Ctee., Democratic Group; Central Ctee., All-India Manufacturers' Organization, Central Ctee., Indian Council of Foreign Trade, was partner for 10 years with Shri Prandlal Devkar Nager in Messrs. Devkar Nager, Share Dept. *Recreations*: Tennis, Badminton *Hobby*: Photography. *Address*: 5, Hanuman Street Fort, Bombay 1.



BHAGAVANTAM, S., M.Sc. (Madras), Hon. D.Sc. (Andhra), Vice-Chancellor, Osmania University, *b.* Oct. 14, 1909, *s.* of S. V. S. Sastri and Smt. Seetamma, *m.* Smt. Sitamahalakshmi, four *s.* and one *d.*; *Educ.*: Nizam Coll., Hyderabad, Indian Assoc. for the Cultivation of Science, Calcutta. Professor of Physics and Principal, Univ. Waltair; Indian Scientific Liaison Officer, B.C.S.O., London, Director, Physical Laboratories, Osmania Univ., Hyderabad. *Publications*: *Scattering of Light and Raman Effect and Theory of Groups and Its Application to Physical Problems*. *Address*: Vice-Chancellor's Lodge, Hyderabad 7

BHAGWATI, Mr. Justice Natwarlal Harilal, M.A., LL.B., Judge, Supreme Court of India, New Delhi, since Sept. 8, 1952 *b.* August 7, 1891, *m.* Saraswati Natwarlal Bhagwati; *Educ.*: Baroda Coll. and Govt. Law Coll., Elphinstone Coll., Bombay Senior Daxina Fellow, Elphinstone Coll. Bombay, Advocate (O.S.), High Court, Bombay; some time Professor, Government Law Coll. Bombay; some time member of the Bar Council; Vice-Chancellor, Univ. of Bombay, 1949-51; Judge, Bombay High Court, 1944-52. *Publications*: Translation into Gujarati of V. L. Mehta's *Co-operative Movement*, for the Gujarat Vernacular Society. *Address*: Anand Bhuvan, Babulnath 2nd Cross Road, Chowpatty, Bombay 7; Supreme Court, New Delhi

BHAIRAM, Singh Bahadur, Colonel Maharaj Sri Sir, K.O.S.I., A.D.C., Thikana Tejraar, Bikaner, Rajasthan. b. Sept. 15, 1879; one son, Rajkumar Sri Ajit Singhji Sahib, B.A. and two g. s., Bhanwar Sri Pratapsinghji Sahib and Bhanwar Sri Rupasinghji Sahib. *Educ.*: Mayo Coll., Ajmer. Appointed Companion to H.H. the Maharaja of Bikaner, 1895; accompanied him in his Indian tour in 1896; appointed Member of State Council, 1898 and was from time to time Personal Secretary to His Highness; Senior Member of Council and Vice-President of Council and of last Cabinet, and Prime Minister, Bikaner; also acted as President of Council during H.H.'s visits to Europe; Hon. Col. of the Sadul Light Infantry; uncle of H.H. the Maharaja. *Publications*: Bhairubhond and Bhaskibond. *Address*: Bhairavbilas, Bikaner, Rajasthan.

BRAKTAVATSALAM, M., Minister for Agriculture, Industry, Labour, Govt. of Madras. b. 1897. Gave up practice at the Bar, 1927; was connected with "India", a Tamil daily; Deputy Mayor, Madras Corporation, 1936; was member and Vice-President, Chinglepet District Board for 6 years from 1932; Vice-President, Tamil Nad Congress Committee, 1935; acted as Secretary, Tamil Nad Congress Committee for a number of years; member, All-India Congress Committee; Parliamentary Secretary to the Minister for Local Administration in the first Congress Ministry, 1937; Public Works Minister, Madras, 1946-51; Convener, Bharat Seva Samaj (Tamil Nad Branch). *Address*: "Mallika", Mysapore, Madras.

BRALLA, Tejasvi Prasad, M.A., LL.B., Inspector-General of Police, U.P. Holder of King's Police Medal (1928) and Indian Police Medal (1947) b. January 11, 1899, s. of Har Prasad Bhalla; m. Shrimati Jamuna Devi; Four s. and one d. *Educ.*: Govt. High School, Lucknow and subsequently the Lucknow University. Joined the Indian Police Service; held charge of important Districts in the U.P., e.g., Allahabad; was Anti-corruption Officer; served on the staff of the I.G.P. & C.I.D., U.P.; Transport Commissioner, U.P.; Secretary Member of Criminal Tribes Cttee., Anti-corruption Cttee., Economy Insurance & Resources Cttee.; Member, Bureau of Research on Public Administration, U.P.; member, Transport Cttee., U.P.; Director-General, Civil Aviation. *Recreations*: Reading, research, chess, bridge and riding. *Clubs*: Allahabad Club, Mahomed Bag Club, Lucknow, Delhi Gymkhana Club. *Address*: 1 G. of Police, U.P., Lucknow.

BRAN, Pandit Durga Prasad, Oriental Astrologer and Director, Bhriugu Institute of Scientific Astrological Research. b. Aug. 13, 1910, of an ancient family of Jagirdars, Gwalior; m. Smt. Shakuntala Devi, sister of Raj Bahadur, Deputy Minister for Communications, Govt. of India; three s. and one d.; *Educ.*: Victoria Coll., Gwalior, 1927-30. Has been doing research work on scientific lines in Astrology, Numerology, Mole Science, Physiognomy and Palmistry; is a pioneer in the field of astrology; claims many of his predictions have proved correct; as Director, Bhriugu Institute of Scientific Astrological Research, is actively engaged in raising the science of astrology to further standards of perfection. *Publications*: (In Press): *Can heavenly stars influence your destiny? Is Astrology a perfect Science? How to predict about a man, a nation and the world as a whole? What are the Inner Secrets of the Nine Planets of the Astral World? Recreations*: Reading books on other worlds written in Sanskrit by the Great Rishis of ancient India. *Address*: P.B. No. 719, New Delhi 1.



SHANDARI, Chief Justice Amar Nath, B.A. (Hons.), Bar-at-Law, Chief Justice, High Court, Punjab (India), since 1952. b. November 21, 1899, s. of Rai Bahadur Naubat Rai; m. Padma Sahgal (Kaiser-i-Hind Medal); two s. and one d.; *Educ.*: Punjab and Oxford Universities. Entered Indian Civil Service, Oct. 1924; Dy. Commissioner, Gujrat, Sialkot & Karnal (1929-32); Sessions Judge, Montgomery and Delhi (1933-39); Dy. Secy. and Secy. to Govt., Punjab Legislative Dept. (1939-44); Judge, High Court, Lahore, 1944 and East Punjab High Court, 1947-52; Fellow and Syndic of the Punjab Univ. *Recreations*: Gardening and Travelling. *Clubs*: Simla Amateur Dramatic Club (President); Annandale Gymkhana Club (President); Delhi Gymkhana Club; Gulmarg Club. *Address*: Fir Hill, Simla, S.W.

SHANDARI, S. N., Jain Ratna, Millowner, Industrialist and Banker of Indore. b. 1904. Director: Nandlal Bhandari Mills Ltd.; Rai Bahadur Kandhalyal Bhandari Mills Ltd.; Managing Director: Nandlal Bhandari & Sons Ltd., owning Bhandari Iron and Steel Co., Bisco Yanmar Ltd., Indore, Bhandari Iron and Steel Co. Ltd., Udaipur, Udaipur Minerals Ltd., and Gajendrasingh Randheersingh Oil Mills Ltd., Badud; Chairman, Maharana Bhupal Electric Supply Co., Ltd., Udaipur; Member: Aid-to-Industries Board, Madhya Bharat Govt.; Regional Advisory Cttee. of Textiles for Madhya Bharat and Rajasthan; Working Cttee., Madhya Bharat Millowners' Assoc. and Indore Labour Housing Cttee.; Chairman Working Cttee., All-India Industrial-cum-Agricultural Exhibition, held at Indore, 1951; recipient of high honours of Gold Anket from Udaipur Durbar; has liberally donated for social, educational, medical and religious uplift; runs a Boarding House at Rampura, the Nandlal Bhandari High School imparting vocational training; has provided necessary amenities for mill workers; takes keen interest in economic and industrial development; visited Japan, America and the Continent on an industrial tour and acquired deep knowledge specially about the textile industry there. *Address*: 18, Nandanwan, Tukoganj, Indore.



SHARADWAJ, Yajnavalkya, M.Sc. (Punjab), Ph.D. (London) in Botany, Univ. Prof. of Botany. Head of the Dept. of Botany and Dean of the Faculty of Science, Banaras Hindu University, b. Aug. 13, 1895, s. of the late Pandit Lachhman Das Sharadwaj, Punjab P.W.D.; m. Shrim Rampyari Bharadwaj (deceased); *Educ.*: Govt. Coll. Univ. of the Punjab, Lahore; East London Coll. (now Queen Mary Coll.), London Univ. Prof. of Botany and Head of the Dept. of Botany, B.H.U., 1933-45; Principal, Jawant Coll., Jodhpur, 1948-50; worked under Prof. F. E. Fritsch, F.R.S., of London and made investigations on the morphology and anatomy of the Algae; Dean, Faculty of Science, B.H.U. (1944-48 and since 1952); has been actively engaged in research work on Algae more especially on the Myxophyceae and the Chlorophyceae; Fellow, Linnean Society of London and National Institute of Sciences of India; presided at the Botany Section, Indian Science Congress, Madras, 1940; Past Pres., Indian Botanical Society. *Publications*: Numerous publications in notable Journals, both Indian and foreign. *Recreations*: Photography; Music; Histrionics. *Address*: Banaras Hindu University, Banaras 5.

SHARATAN, Arangode Srinivasan, B.A., Journalist: Ex-General Manager, Press Trust of India and A.P.I. b. Oct. 31, 1902, s. of Arangade Bharatha Srinivasa Iyer; m. Sow. S. Saraswati, d. of S. N. Srinivasa Iyer of Colabatore - three s. and three d.; *Educ.*: Pattambi, Chathanur, Desamangalam, Palghat and Madanapalli Theosophical College. Joined Reuters and Associated Press

of India as Reporter, March 1930; was appointed Assistant General Manager, 1936 and Deputy General Manager of Reuters and Associated Press of India, 1948; for 20 years closely connected with reporting of important events such as Congress Sessions, Congress Working Committee meetings, Simla Conferences, Cabinet Mission and the Second Simla Conference; mainly responsible for establishing nearly four dozen offices all over India with a network of Teleprinter Communication Links. *Recreations*: Improvement of communication facilities. *Clubs*: Constitution Club, Delhi; Cricket Club of India. *Address*: Tulse Vihar, 70, Marine Drive, Bombay.

SHARATI, Goswami Raja Sahdeo, M.P., Agriculturist. b. Jan. 3, 1904, at Nimba Taluk, Darwaha, Dist. Yeotmal, s. of Goswami-raja Arjun Bharati; m. Smt. Yeshada Devi Bharati, May 28, 1928; two s. and five d. Joined Congress, 1920; Secy., Bharat Debatting Society, Yeotmal, 1923; Educational Society, Ghatanjli, since 1928; member, Vidarbha P.C.C., since 1932; All India Goswami Samaj, since 1923; A.I.C.C., since 1948; Governing body, Shri Datt Sanathan Mahur (Hyderabad State), since 1950; sentenced to 9 months' rigorous imprisonment, C.D. movement, in 1930; Vice-Pres., Notified Area Cttee., Ghatanjli, 1935-38; Pres., Notified Area Cttee., Ghatanjli, 1946-47; Municipal Cttee., Ghatanjli, 1946-49; D.C.C. Yeotmal, 1940; Vidarbha Prov. Goswami Samaj, 1949-52; Gen. Secy., D.C.C., Yeotmal, 1937-39 and 1941-49; took part in national movements 1920-30, 1940 and 1942; Ex-Co-Editor, 'Lok-mat' and 'Lok Sevak', Marathi weeklies of Yeotmal. *Recreations*: Tennis, Swimming, Horse riding. *Clubs*: Tennis Club, Ghatanjli. *Address*: Ghatanjli, Dist. Yeotmal, Madhya Pradesh.



SHARATPUR, Col. H. H. Shri Brijendra Sewal Brijendra Singh Bahadur, Bahadur Jung (Jai) Maharaja of. b. Dec. 1, 1918. Succeeded, March 27, 1929 and invested with powers, October 22; Salute 17 permanent, 19 local. *Address*: Bharatpur.

SHARGAVA, Dr. Gopi Chand, Ex-Chief Minister, Punjab (India). b. March 1890 at Sirsa; *Educ.*: In his home town, Mission and College in Lahore. Practised as a doctor; entered the political arena under the leadership of the late Lala Lajpat Rai; was elected member, Municipal Cttee. and Pres., Lahore Congress Cttee.; chosen as member, old Punjab Legislative Council, 1927; resigned in 1929 as a protest against the repressive policy of the Govt.; was General Secy., Reception Cttee. of session of Congress at Lahore; gave up practice in 1935 to concentrate on politics; arrested during non-co-operation movement in 1921 and in 1923; detained twice during C.D. movement, of 1940 and 1942; released in 1943; elected to the Punjab Legislative Assembly, 1937 and was elected as leader of the Opposition; is essentially a constructive worker; was returned to the Assembly, 1946; elected leader of the Congress Assembly Party in the East Punjab. Premier, East Punjab, August 15, 1947. *Address*: C/o Secretariat, Simla, Punjab (India).

SHARGAVA, Mr. Justice Vashishtha, B.Sc. (Hons.), M.Sc., Judge, High Court, Allahabad, since 1949. b. Feb. 5, 1906, at Allahabad; s. of Chhote Lal Bhargava; m. Smt. Vahnu Kumari Bhargava; four s.; *Educ.*: Ewing Christian Coll., Allahabad; Allahabad Univ. Joined Indian Civil Service, 1930; Joint Magistrate, 1930-35; Civil and Sessions Judge, 1936-37; District and Sessions Judge, 1938-47; Additional Commissioner, Food and Civil Supplies, U.P. Govt., 1947-48; Judicial Secy. and Legal Remembrancer, U.P. Govt., 1948-49. *Address*: 15, Sarojini Naidu Marg, Allahabad.

SHARUCHA, Dr. Farideen Rustemji, B.A., D.Sc., F.N.I., Director, Institute of Science, Bombay. *b.* May 4, 1904, *s.* of late R. P. Sharucha, Solicitor; *m.* Miss Bapal A. Mama of Karachi; one *s.* and one *d.*; *Educ.*: Bombay, Panchgani, Cambridge, Montpellier (France) and Germany. Professor of Botany at the Institute of Science, Bombay, since 1936. *Publications*: 40 Research publications. *Recreations*: Drawing, Painting, Hiking. *Club*: Cricket Club of India. *Address*: Institute of Science, Mayo Road, Bombay 1.

SHAT, Atmaram Raoji, M.L.C., Editor, "Sampada", Marathi Commercial monthly, Poona. *b.* 1905; *Educ.*: Sydenham Coll. of Commerce and Economics, Bombay. Joined the "Kesari" Marathi office, 1929; retired as its Business Manager, 1952; founded the Marathi Chamber of Commerce and Industries, Poona, 1934; its Honorary Secy. since then; *Pres.*: Indian Languages Newspapers' Assoc., since 1949; Indian Newspapers Co-operative Society Ltd., since 1952; member: Bombay Leg. Council; Press Commission; Textile Enquiry Cttee.; Import Advisory Council, Govt. of India; Labour Laws Forms Consolidation Cttee.; State Transport Authority, State Industrial Advisory Council and the Communications Board, Bombay State. *Address*: 256, Sadashiv, Poona 2.

SHATNAGAR, Sir Shanti Swarup, Kt. (1941), O.B.E., D.Sc., F.R.S. (1943), F. Inst. P., F.I.C., F.S.O.I. (Hon.), D.Sc. Secretary, Govt. of India, Ministry of Natural Resources and Scientific Research, Chairman, Univ. Grants Commission and Director, Scientific and Industrial Research. *b.* March 1895; *m.* Shrimati Lajwanti (died, 3rd Feb. 1946); *Educ.*: Lahore, London and Berlin. Univ. Professor of Chemistry, Benares, 1921-24; Univ. Professor of Chemistry and Director, Univ. Chemical Laboratories, Lahore, 1924-40; Research Scholar of the Dept. of Scientific and Industrial Research of Great Britain; Hon. Prof., Punjab Univ., Delhi Univ. and Benares Hindu Univ.; *Pres.*, Chemistry Section, Indian Science Congress, 1928 and 1938; General *Pres.*, Indian Science Congress, 1945; Secretary, Ministry of Education, 1947; *Pres.*, National Institute of Sciences of India, 1947 and 1948; Delegate to the British Association for the Advancement of Science, Liverpool, 1925; Leader, U. N. Scientific Conference on Utilisation and Conservation of Resources, New York, 1948; Inceptor and Executor of Schemes of 11 National Laboratories in India. *Publications*: *Principles and Applications of Magneto Chemistry, Ilim-ul-Baq*, a treatise on electricity in Urdu and a number of scientific papers in various scientific journals. *Address*: 23, Tughlak Road, New Delhi.

SHATT, Gokulbhai Daulatram, M.P., Ex-President, Rajputana Provincial Congress Cttee. *b.* 1899, *s.* of Daulatram Ramji of Hathal, Sirohi, Rajasthan; *m.* Rangus bai; three *s.*; *Educ.*: St. Xavier's College, Bombay. Left studies to join Non-Co-operation Movement, 1919; actively participated in the national activities of the Indian National Congress; Chairman, Reception Cttee., Jaipur Congress; Political Adviser and Chief Minister, Sirohi State, 1948-49; courted jail several times; occupied high positions in Congress; member, Working Cttee., Indian National Congress; A.I.C.C.; Trustee of several institutions in the Bombay Suburban District, Gujarat Vidyapith, Ahmedabad, etc.; has been doing public work since 1917. *Publications*: Edited several Gujarati books; translated *Roman Gods* and other works into Gujarati verse. *Address*: 33, Canning Lane, New Delhi; Sirohi, Rajasthan; 21, Baja Road, Vile Parle, Bombay 24.

SHATT, Dr. Suryakant Jethalal, M.B.B.S. (Bom.), Medical Practitioner; Chief Medical Officer, Bombay Talkies Ltd., Malad; *Pres.*, Malad Dist. Municipality. *b.* Sept. 29, 1913, *s.* of Jethalal Mauchharum Bhatt, Ex-Supt. of Police, Radhanpur State; *m.* Smt. Taramati Maganlal Dave, *d.* of Dr. Maganlal Gordhandas Dave, Baroda, 1932; one *s.* and three *d.*; *Educ.*: Radhanpur High School; Baroda Coll. and Grant Medical Coll., Bombay; took M.B.B.S., 1938. Worked as House Surgeon, J. J. Hospital for 1½ years; started independent practice at Malad, 1940; was Medical Officer, Choksey Charitable Dispensary, Malad and Goregaon and Manori Local Board Dispensaries; Divisional Medical Officer, A.R.P., Malad Divn., during World War II; Life Member, St. John's Ambulance Assoc.; member, Working Cttee., West Suburban Branch of Bombay Provincial Branch, All-India Medical Assoc.; elected the first *Pres.*, Malad Dist. Municipality, 1951; *Pres.* Shree Baj Khedawal Samaj, Bombay. *Address*: Dispensary: Krishna Baug, Station Road, Malad; *Residence*: Podar Estate, Block No. 21, Malad.



SHATTACHARYA, Dr. Shabani, B.A. (Hons.) (London), Ph.D. (London), Author and Journalist. *b.* Oct. 22, 1906, *s.* of late P. N. Shattacharya. *m.* Salila (Mukerji); one *s.* and two *d.*; *Educ.*: Patna and London. Since leaving Univ., engaged in historical research, journalism and literary work; was Press Attache at the Embassy of India in Washington, 1949-50; Asst. Editor, "The Illustrated Weekly of India", Bombay, 1950-52. *Publications*: *Some Memorable Yesterdays*; *Indian Cavalcade*; *The Golden Boat*; *No Many Hungers*; *Music for Mohini*. *Address*: Bezon Bagh, Nagpur.

SHATTACHARYA, Chapalakanta, M.A., B.L., Editor, *The Ananda Hazar Patrika*. *b.* January 1901; *m.* Srimati Lalita Debi; *Educ.*: Orthodox Sanskrit Schools; the Calcutta Aryan Institution, now the Saradacharan Aryan Institution; Presidency Coll., Calcutta Univ. Advocate, Calcutta High Court; was Secy., Bengal Bankers' Federation and Editor of its Journal; edited an English weekly "The New Era"; editorial staff of "Forward" of late Deshbandhu C. R. Das; Congress worker since 1920; member, Provincial Cttee. and the All-India Congress Committee; joined the Unity Conference at Allahabad, 1932, invited by late Pt. Madan Mohan Malaviya and also the Congress Nationalist Party founded by him, Secretary of the Party in Bengal; member, Indian Association; member, International Press Institute, Indian Cultural Academy, International Sanskrit Institute; Secy., Dept. of Journalism, Calcutta Univ.; Secy., Sanskrit Sahitya Parishad, Bengal Akhil Bharat Devabhass Parishad. *Publications*: *Congress in Evolution*; *Radcliffe Award— a case for Revision in English*; and several works in Bengali. *Address*: 24A, Hemendra Sen Street, Calcutta 6.

SHATTACHERJE, Dr. Mohini Mohan, M.A., B.L., Ph.D., Sir Gorooodas Bannerje Professor and Head of English Department, Cal. University. *b.* 1892, *s.* of late Rajanikanta Bhattacharjee and of late Kumudini Debi; *m.* Sudhirbala Debi, only *d.* of late D. N. Bagchi, Advocate, Calcutta High Court, 1912; two *s.* and three *d.*; *Educ.*: Presidency College, Calcutta; Fremchand Roychand Research Scholar in English, 1918. Lecturer in English, Calcutta Univ., 1917-40; Advocate, Calcutta High Court, 1917; Professor, Univ. Law College, 1920-40; as Ghose Travelling Fellow studied the influence of the European Renaissance in London, Florence and Venice; Head of English Dept. of Calcutta Univ. since 1940; delivered a course of lectures on English poetry in Benares Hindu

Univ., 1943 and in the Univ. of the Punjab, Kashmir and Delhi in 1952; *Pres.*, English Society. *Publications*: *Studies in Spenser* (1929); *Platonic Ideas in Spenser* (1935), "Courtsey" in *Shakespeare* (1940); *Keats and Spenser* (1944); Articles on Basic English and English Poetry in *Calcutta Review*. *Address*: 72, Ballygunj Place, Calcutta.

SHAVNAGAR: His Highness Commodore Maharaja Raoi Shri Sir Krishnakumar-sinhji Bhavsinhji, K.C.S.I. (1938), Maharaja of. First Class Ruling Prince in Kathiawar. *b.* May 19, 1912, *s.* of Lt.-Col. His Highness Maharaja Sir Bhavsinhji Takhtsinhji, K.C.S.I. of Bhavnagar; *m.* Maharani Shri Vijiyaba, *d.* of His Highness Maharaj Shri Bhojrajji of Gondal; two *s.* and three *d.*; *Educ.*: at home under Major Lestaigne and A. P. Pattani; joined the Rajkumar Coll., Rajkot, 1922; proceeded to England for further studies in 1925 and joined the Rev. Brayer's School in Essex and then was admitted to Harrow; returned from England in 1928 and attended lectures in History, Politics, English, etc., at the Samaldas Coll., Bhavnagar. Lieutenant in 1937; Colonel in 1945; Hon. Commodore in the I.N. in 1947; attended meetings of the R.T.C.; toured various parts of India, England and America; invested with ruling powers on 18th April, 1931; granted responsible government to his State, Jan. 1948; Uparajpramukh of Saurashtra Union, Feb. 1948; Acting Rajpramukh, June 1948; Governor of Madras, 1948-52. *Recreations*: Hiding, Hunting, Racquets, Tennis, Polo, Golf, Bowling, Fishing, and Cricket. *Address*: Bhavnagar.

SHIDE, M. R., B.Sc. (Nagpur), B.A. (Cantab.), I.C.S., Joint Secy., Ministry of Food and Agriculture, since Oct. 1952. *b.* Dec. 6, 1907, *s.* of R. G. Shide, Nagpur; *m.* Lila, *d.* of late General Rajwade, Gwalior; three *s.*; *Educ.*: Nagpur and Cambridge; Indian Civil Service. *Publications*: *Marketing of Sugarcane in United Provinces*. *Recreations*: Cricket, Tennis and Bridge. *Clubs*: Cricket Club of India; Delhi Gymkhana; Roshanara Club. *Address*: 8, Roberts Lane, New Delhi.

SHIMJEE, Roshan Ali, J.P., Honorary Presidency Magistrate, Bombay. *b.* August 13, 1917; *m.* Miss Banoo Moledina; *Educ.*: Bhopal and Government College, Ajmer. Honorary Secretary, Burma Indian Association (1941); Bangook Labour Federation (1939-41); Mayor's Indian Evacuees' (Overseas) Relief Cttee., Bombay (1942-45); Member, Managing Cttee., Khoja Shla Ishna Ashari Jamat, Bombay; Trustee, Haldery High School Trust, Bharapur Eye Hospital and Khoja Ishna Ashari Trust; Hon. Secy. & Treasurer, Friends of Burma Society; Chairman & Director, Bhujjee & Co., Ltd. *Address*: 17, Horniman Circle, Fort, Bombay.



SHONSLE, J. K., Deputy Minister for Rehabilitation, Govt. of India, since Aug. 12, 1952. *b.* Dec. 10, 1907; *Educ.*: Prince of Wales' Royal Indian Military Coll. Dehra Dun; Royal Military Academy, Sandhurst. Commissioned 2nd Lt. Indian Army, Feb. 1928; promoted Captain, Feb. 1937; travelled round the world, 1937; attended Staff Coll., Quetta, 1940-41; promoted Lt.-Col. and given command of 18 Garhwal Rifles, Feb. 1942; joined the I.N.A. and commanded 18 Field Force Group, Oct. 1942, Dir. of Military Bureau, I.N.A., 1942. Chief of Staff, I.N.A., 1943; underwent trial in the Red Fort; released from Red Fort, May 1946; elected chairman, I.N.A. Advisory Cttee. for rehabilitation of I.N.A. personnel, 1947; Director of Rehabilitation, Bombay, 1948-51; returned to the House of the people from Ratnagiri North Constituency. *Address*: Deputy Minister for Rehabilitation, New Delhi.

BHOVAL: Col. Air-Vice-Marshal His Highness the Nawab Sikandar Saadat-Idi-Khan-Mulk Muhammad Hamidullah Khan Bahadur, G.C.S.I., G.C.I.E., C.V.D., B.A., LL.D., the Nawab of b. Sept. 9, 1894; m. d. of Shahzada Humayun, a great grandson of Shah Shuja, a Shahzada Khel who was exiled from Afghanistan and became domiciled in India, 1905, three d.; *Educ.*: Bhopal and M.A.O. Coll., Aligarh; underwent a thorough practical training in all branches of the State-administration including the Chief Secretaryship of Bhopal. Ascended the *gadi*, May 17, 1926. Chancellor, Chamber of Princes, 1931-32 and 1941 till the lapse of paramountcy, as Chancellor took active part in the R.T.C., London, 1931-32; is an all-round sportsman, is one of India's finest polo-players, is entitled to a salute of 21 guns within and 19 guns outside the State; followed the other States in having his State acceded to the Indian Union. *Recreations*: Sports. *Address*: Bhopal.

BHOUPATKAR, Laxman Balwant, M.A., LL.B. (Bom. Univ.), Advocate, Bombay High Court and Federal Court; Politician and Physical Culturist. b. May 10, 1880, s. of Balwant Waman Bhopatkar; m. Ambu Gurjar; four s. and four d.; *Educ.*: Fergusson College, Poona; Govt. Law School, Bombay. Practising advocate; Professor of Law, Law College, Poona; *Publications*: *Law of Torts*; *Indian Company Law*; *Law of Partnership*; *Wrecking*; *Fencing*; *My System of Physical Culture*. *Address*: 322/1, Sadashiv, Poona 2.

BHOSLE, Dattajirao Madhavrao, President of the Prince Shivaji Maratha Free Boarding House, Kolhapur. b. 15th June, 1903; m. Annusayabai, 8th May 1920; *Educ.*: Panchgani, St. Mary's High School, Bombay and Baldwin's, Bangalore. Joined Kolhapur Government Service in 1920; Financial Secretary to His Highness, 1925-29; Huzur Chitnis, 1929; Acting Dewan, 1930-31; Chief Secretary, 1931; Acting Prime Minister, 1932-33; Chief Secretary, 1933-40; Home Member and Deputy Prime Minister,



1940-42 when he retired; Chairman of the Kolhapur Agricultural Exhibitions held in 1927 and 1929 and also of the Reception Committee of 17th Session of the Marathi Literary Conference over which His late Highness Shri Sayajirao Maharaj Gaekwar, Maharaja Sahib of Baroda presided; Director, the Bank of Kolhapur, Ltd.; Secretary, Khatrya Maratha Mandal, Kolhapur; Asstt. State Commissioner (Scouts), Bombay State; Owner, Shahu Chitra (Cinema) Mandir, Kolhapur; Recipient of King George V Silver Jubilee Medal in 1936, and Coronation Medal in 1937. *Address*: Sukha Niwas, Kolhapur Residency.

BIKANER: His Highness Maharaja Sri Karam Singhji Bahadur, B.A. (Hon.), Maharaja of b. April 21, 1924, s. of Lieut-General His late Highness Maharaja Sri Saifud Singhji Bahadur, G.C.S.I., G.C.I.E., etc.; *Succeeded*: Sept. 26, 1950; m. Princess Sushila Kumari, d. of His Highness the Maharawal of Dungarpur, Feb. 25, 1944; one s., Maharaj Kumar Narendra Singhji, b. on Jan. 13, 1946; *Educ.*: St. Xavier's Coll., Delhi; St. Xavier's Coll., Bombay; passed B.A. (Hons.) in History and Politics; is conducting post-graduate researches in Medieval Indian History for Doctorate of Philosophy at the Indian Historical Research Institute under the guidance of Rev. Father



H. Heras. Visited the Middle East War Front in Nov. 1941 with his grandfather General His late Highness Maharaja Sri Ganga Singhji Bahadur, G.C.S.I., G.C.I.E., etc.; was awarded the Africa Star War Medal, Indian Service Medal; also visited Switzerland, France, England, Norway, Sweden and Egypt; elected to the House of the People as an independent by a majority of over 117,900 votes, 1952. *Recreations*: Tennis, Golf, Cricket, Mechanics, Photography, Shooting, Social Service and Flying; has qualified for Private Pilot's Licence. *Clubs*: Willingdon Sports Club, Bombay; Cricket Club of India, Bombay; Bombay Flying, Bombay Presidency Golf (Bombay); Western India Automobile Association (Bombay); Roshanara, Delhi; Delhi Flying (Delhi); Rajputana (Abu), etc.; member, Bombay Branch of Royal Asiatic Society. *Address*: Lalgarh Palace, Bikaner, Rajasthan.

BILIMORIA, Mancherabhai Surjorjee, B.Com. (1921), Cinefilm Distributor and Cinefinancier. b. 24th February 1899. Began career as clerk in 1922; started own business, 1923; has donated more than Rs. 2,00,000 to cosmopolitan charities; one of the founders of Wadia Movietone and All-India Theatres Syndicate Ltd. President, Indian Motion Picture Distributors' Association, Bombay; Vice-President, Motion Picture Society of India, Trustee, Bilimoria Pursee Panchayat Funds; Mukhi, Bilimoria Vepary Mahajan; Director, Dominion Films Ltd.; Modern Films Ltd.; National Storage Ltd.; Indian Film Combine Ltd.; India Overseas Film Distributors Ltd.; Vasant Insurance Co. Ltd.; Powell Industries Ltd.; Jal Hind Publishers Ltd.; Senior partner in film distribution firms of Goodwin Pictures Corporation, Wadia Paramount Pictures, Bilimoria and Lalji, Goodwin Agencies and M. B. Bilimoria & Son, Bombay. *Address*: Sir Mangaldas House, 393, Lamington Road, Bombay.

BILLIMORIA, (Mrs) Gulestan Rustom (née Gulestan Bahadurji), M.A., Licentiate, Trinity College of Music, London; obtained various University and College Scholarships, was for a number of years Fellow and Syndic of the Bombay University; her paintings have won prizes at Art Exhibitions all over India and one has been bought by and hangs in the Prince of Wales Museum; Secretary, Junior Red Cross; Vice-President, United Women's Organizations Ctee, Hon. Secretary, All-India Conference of Social Work; Asstt. Treasurer, International Conference of Social Work, member Central Advisory Board, Govt. of India for Women's Small Savings Scheme; President of The Bombay Presidency Women's Council in 1942 and 1943 and is actively connected with various other associations; has travelled widely in Europe and America and led delegations to International Conferences, gave evidence before Government commission on education, the University Commission and the Franchise Committee; takes keen interest in her husband's Bel-Air Sanatorium at Panchgani for consumptives; contributes articles to various papers; awarded Kaiser-I-Hind Silver Medal. *Publications*: Joint Author of *Governance of India* and also of *Constitution, Functions and Finance of Indian Municipalities*, a book favourably reviewed by the Press, including the *London Times Literary Supplement*. *Address*: Thoburn House, Apollo Bunder, Bombay.



BILLIMORIA, Sir Shapoorjee Bumomjee, Kt. (1928), M.B.E., J.P., Partner, S. B. Billimoria & Co. b. July 27, 1877; m. Jernai, d. of Bhikaji N. Dalal (1906); *Educ.*: St. Xavier's College. Hon. Presidency Magistrate; Pres., Indian Merchants' Chamber,

1926-28; Pres., Indian Chamber of Commerce in Great Britain, 1928-29; Trustee, N. M. Wadia Charities and a number of other charity trusts and institutions; member Board of the Bombay Properties of the Indian Institute of Science, Bangalore; Sheriff of Bombay, 1936; is Grand Master of the Grand Lodge of Scottish Freemasonry in India, Pakistan and Ceylon. Hon. Secretary and Treasurer, Countess of Dufferin Fund, Bombay; Grand Supdt., Grand Royal Chapter in India and founder and First Master of Lodge Justice and Peace (E.C.); Rotary Governor, 89th District (India); Director, Rotary International, 1943-44; Fiscal Agent, Rotary International, since 1948. *Address*: 21, Cuffe Parade, Colaba, Bombay.

BIRLA, Ghanshyamdas. b. 1894, s. of Dr. Raja Baldevdas Biria, D. Litt. Managing Director of Biria Brothers, Ltd.; member, 2nd Indian Legislative Assembly; resigned in 1930 as a protest against legislation for Imperial Preference; President, Indian Chamber of Commerce, Calcutta, 1924; Federation of Indian Chambers of Commerce and Industry, 1929; has been responsible for the founding and maintenance of a large number of educational and other public institutions in various parts of the country; member: Indian Fiscal Commission; Bengal Legislative Council; Royal Commission on Labour; Delegate, Labour Conference at Geneva, 1927; member, 2nd Round Table Conference, 1930; Unofficial Advisor to Government of India for Indo-British Trade Negotiations, 1930-37; President, All-India Harijan Sevak Sangh. *Address*: 8, Royal Exchange Place, Calcutta.

BISWAS, Chara Chandra, M.A., LL.B. (Cal.), Minister for Law and Minority Affairs, Govt. of India, since May 1952. Minister of State for Implementation of Prime Minister's Agreement dated 8th April 1950 and 1950-52 b. April 21, 1888, at Calcutta, s. of Late Ashutosh Biswas; m. Smt. Suhadini Biswas (deceased), May 1910; six d.; *Educ.*: Hindu School and Presidency Coll., Calcutta; Ripon Law Coll., Calcutta. Enrolled Advocate, Calcutta High Court, 1910; Fellow and member, Syndicate, Calcutta Univ., 1917-22 and 1926-52; Commr and Councillor, Calcutta Corp., 1921-37. Delegate to I.M.G.'s Ctees in London on Reserve Bank and Statutory Rly. Board in India, 1933; Alternate Delegate to General Assembly of the League of Nations, Geneva, 1936; member: Calcutta Improvement Trust, 1926-37; Indian Leg. Assembly, 1930-35; Radcliffe Commr. for Demarcation of Boundaries of East and West Bengal and Assam, 1947; Judge, Calcutta High Court, 1937-48; Chairman, Calcutta Corp. Investigation Comm., 1948-50; Vice-Chancellor, Calcutta Univ., 1949-50; Dean, Faculty of Law, Calcutta Univ., 1938-50; Pres., China Aid Ctee., 1942; is specially interested in cultural advancement, civic welfare and politics; elected member, Council of States, 1952. *Publications*: Occasional contributions to newspapers and periodicals. *Hobby*: Journalism. *Club*: Calcutta Club. *Address*: 58, Poddopukur Road, Elgin Road P.O., Calcutta 20; Secretariat, New Delhi.



BONARJI, Neil, B.A. (Oxon.), Chairman, Public Service Commission, Hyderabad (Deccan), since April 1950. b. March 10, 1901. s. of late Mr. and Mrs. D. N. Bonarji of Ramapore Estate, Kheri, U.P.; m. Smt. Hans Kour Badhwar, d. of late G. C. Badhwar. I.C.S.; one s. and one d.; *Educ.*: Dulwich Coll., London; Hertford Coll., Oxford; London School of Economics. Passed into the I.C.S., 1924; was Asstt. Commr. and Joint Magistrate, U.P., and Magistrate and Collector in various

Districts; Addl. Dy. Secy., Education, Health and Lands Dept., Govt. of India, 1936-38; Magistrate & Collector, Secy. to Govt., U.P., Medical & Local Self Govt. Dept.; Chief Secy., 1946-47; Commr. of Rohilkhand Division, 1947-48; on deputation to the States Ministry as Regional Commissioner & Adviser, Vindhya Pradesh Union and Chief Commissioner, Bhopal, 1948-50; retired from the I.C.S. April 1950. *Publication*: Note on the Saheriyas, a Forest Tribe of the Jhansi Dist. in the Census Report of 1931. *Recreations*: Golf, Riding, Shooting. *Clubs*: Delhi Gymkhana, Wheeler Club, Meerut, Secunderabad Club. *Address*: C/o The Imperial Bank of India, Hyderabad-Deccan.

BONERJEE, Karanjaksha, M.A., F.R.S.A., M.R.S.L., Consul for El Salvador; member, *Vishva-Bharati*, etc.; poet and story-writer. *b.* Oct. 11, 1911, *s.* of late Dr. Sir Benode Behari Bonerjee; *m.* late Subhrajaya Bonerjee, M.R.A.S., *d.* of late Ramendranath Chatterjee; one *s.*, Kalyanaksha. *Address*: Rama Niketan, 10, P. K. Tagore Street, Calcutta 6.

BORA, Moti Ram, M.A., B.L., Minister for Finance and Revenue, Relief and Rehabilitation, Govt. of Assam; Advocate. *b.* March 1897; *m.* Srimati Bhogeswari Bora; three *s.* and four *d.*; *Educ.*: Gauhati and Calcutta. Chairman, Nowgong District Board; Nowgong School Board, joined Nowgong Bar, 1925; was a prominent criminal lawyer; courted jail four times during independence movement. *Address*: Ministry of Finance, Shillong, Assam.

BOROOAH, Lakshesvar, M. P. (Council of States), Advocate, Assam High Court. *b.* 1893. Joined the Congress Movement. 1921; participated in all the phases of the national struggle, 1921-42; suffered jail life all along; wife died during his incarceration, 1943; joined the Swarajya Party in 1922 under the leadership of late Motilal Nehru, President Patel and C. R. Das; was elected to the Provincial Legislature from Dibrugarh Subdivision several times, 1920-46; appointed Prohibition Commissioner of Assam, 1946; is responsible for bringing in the Assam Opium Prohibition Act, 1947; author of Assam Local Self-Govt. Amendment Act, removing the disqualification of women standing for Local Boards in Assam, has been an active social worker for the uplift of the Bhangals of Dibrugarh Municipality especially in the supply of cheap credit; Speaker, Assam Legislative Assembly, 1947-52; elected Member, Council of States from Assam, March 1952. *Address*: Khalihamari, Dibrugarh.

BOSE, Buddhadeva, M.A. (English), Writer. *b.* 1908, *s.* of late Bhudev Chandra Bose and (late) Benoy Kumari Bose (*née* Sinha). *m.* Protiva Bose (*née* Shome); one *s.* and two *d.*; *Educ.*: Dacca Univ. Lecturer in English, Ripon Coll. (now Surendranath Coll.), Calcutta, 1934-45; Founder-editor of *Kavita (Poetry)*, a Bengali quarterly of poetry & criticism. *Recreations*: Reading and Conversation. *Club*: P.E.N. *Address*: Kavita Bhavan, 202, Rashbehari Avenue, Calcutta 29.

BOSE, Mr. Justice Himansu Kumar, M.A., B.L. (Calcutta), Bar-at-Law (Lond.), Judge, High Court, Calcutta, since Dec. 8, 1949. *b.* March 1, 1904, *s.* of Amarendra Nath Bose, Advocate, High Court, Calcutta; *m.* Mayarani Mitra; one *d.*, Archana; *Educ.*: Univ. of Calcutta; called to the Bar from Lincoln's Inn, London, June 1929. Practised as Barrister in the Calcutta High Court from Sept. 1929. *Club*: Calcutta Club, Calcutta. *Address*: Bose Park, 84, Haris Mukerjee Road, Bhowanipore, Calcutta 25.

BOSE, Nandalal, D.Lit., Desikottama, Painter. *b.* Dec. 3, 1883, at Kharagpur in Orissa, *s.* of late Purna Chandra Bose, Engineer and Manager, Darbhanga Raj Estate; *m.* Smt. Sudhira Devi, 1903; two *s.* and two *d.*; *Educ.*: Matriculation from Calcutta, 1902; went to College, left after two years; joined Govt. Art School Calcutta and completed the course; was thereafter a student of Abanindra Nath Tagore. Was Principal, School of Arts of the Oriental Society, Calcutta, joined Kala Bhavana, the school of Arts at Santiniketan as its Director, 1922, travelled Far East, China and Japan, with poet Rabindranath Tagore, 1924; helped Mrs. Heringham and executed along with other artists copies of Ajanta Frescoes, 1909; painted frescoes in Sir J. C. Bose's Science Institute, 1919; co-operated with other artists in making copies of Bagh caves frescoes, 1921; organised exhibitions and decorated pandals at the All India Congress sessions at Lucknow, Faizpur and Haripur at the call of Mahatma Gandhi; commissioned by the Baroda Darbar, executed frescoes in the Kirti Mandir, 1939; was conferred Doctorate by the Benaras Hindu Univ. Dec. 26, 1950 and the title of Deshikottama by the *Vishva-Bharati* Univ., Dec. 28, 1952. Emeritus professor, *Vishva-Bharati* Univ., Santiniketan; an outstanding representative exponent of Indian Arts. *Publications*: *Rupavali, Ornamental arts, Silpakatha* etc. *Address*: Santiniketan.

BRAHMACHARI, S., Psychologist and Psychotherapist; Journalist. *b.* 1912; *m.* Smt. Kamala Devi, one *d.*, Krishna; *Educ.*: After obtaining degree of B.A. (Hons.) in Philosophy and Psychology, went to England and secured the degree of Ph.D. in psychology from the University of London in 1937. Psychologist, Tata Child Guidance Clinic, Bombay; Lecturer on child psychology in the Training Colleges of Agra, Allahabad and Lucknow; Lecturer in the University of Calcutta, B.T. Section; Visiting Professor to teach Mental Hygiene to the B.T. students of St. Edmund's and St. Mary's Colleges, Shillong; Publicity Officer for the coal-mine areas of Bengal; Education Officer, *Vishva-Bharati* (Santiniketan); Prof. of Psychology, Jabalpur Govt. Training Coll. *Publications*: A book, *Child Psychology*; a Thesis entitled *Moral Attitudes in Relation to Personality Adjustment, Conditions of Up-bringing and Social Opinion* (Extensive references made by Prof. Flugel in his book *Manners, Morals & Society*). *Address*: C-7, Daultanagar, Borivili, Bombay.

BUNDI: Major His Highness Harendra Shiromani Deo Sar Bulaud Rai Maharaja Dhiraj Maharao Raja Bahadur Singhji Bahadur, M.C., A.D.C., Maharao Raja of. *b.* March 16, 1920; *m.* *el. d.* of H.H. Maharaja Sajjant Singh of Ratlam, April 1938; Heir-apparent, Maharaj-kumar Ranjit Singh, born Sept. 13, 1939. *Educ.*: Mayo College, Ajmer; had administrative training at Police Training College, Moradabad, 1940; I.C.S. Probationers Course at Dehra Dun, 1941; succeeded to the Gadi, April 23, 1945; entered the Army, 1945; posted to the Officers Training School, Bangalore; commissioned in the Probyn's Horse (Indian Armoured Corps); served in the Burma campaign; mentioned in despatches; wounded, March 1945; awarded Military Cross for conspicuous gallantry during attack on Melkilla, April 1945; appointed as Hon. A.D.C. to H.M. the King, 1945; as A.D.C., attended the Victory Parade in London and the marriage of Queen Elizabeth II and Prince Consort (Duke of Edinburgh); is the head of the Hara Sect of the great Clan of Chauhan Rajputs; is fourth in order of precedence amongst the Princes of Rajputana and entitled to a salute of 17 guns. *Up-rajpramukh*, United State of Rajasthan. *Address*: Bundi.



BUNKI, Srimati Fulkorgauri Mohanlal. *b.* Nov. 22, 1903 at Surat, *d.* of Seth Nagindas Jagagivandas Kharwar. Belongs to the aristocratic family of B. B. Kharwar having business connection with Japan, Rangoon, Calcutta, Bombay and Surat. *Address*: Sagrampura, Zunda Sheri, Surat.



BUNKI, Mohanlal Vallabhram, Exporter, Importer and Commission Agent; Manufacturer and wholesale dealer in smart silk and art silk and cotton shirtings and suitings, etc.; Proprietor, Bunki Silk Mills and Vasant Textile Works. *b.* June 14, 1903, *s.* of Smt. Kashiba, *m.* Smt. Fulkorgauri, *d.* of Sheth Nagindas Jagagivandas Kharwar of the firm of B. M. Kharwar, Surat. Takes keen interest in public life; member, Niyamick Sabha, Gujarat Ayurvedic Coll., Surat; Director, Board of Surat People's Co-operative Bank Ltd.; Vice-Pres. Sagrampura Marathi Vyayamshala, Surat; Surat Weaving Assoc., Surat; Member, Managing Cttee., The Surat Vankar Sahakari Sangh Ltd., Patron member and member, Managing Cttee., the Surat Chamber of Commerce; Patron member, Sarvajank Education Society; member: Silk and Art Silk Mills Assoc., Ltd., Bombay; Surat Borough Municipality, 1940-42; contributes liberally to charities. *Address*: The Bunki Silk Mills, Sagrampura, Zunda Street, Surat.



CARIAPPA, H.E. General K. M., Indian High Commissioner in Australia and New Zealand, since 1953. *b.* Jan. 28, 1900, in Coorg, South India, *Educ.*: Central High School, Mercara; Presy. Coll., Madras. Among the first batch of Indian cadets to be commissioned from Duly Coll., Indore, Dec. 1919; Adjutant, 2125th Napier Rifles in Mesopotamia, 1920-22, in Waziristan with the 117th Dogras and the 17th Rajputs, 1922-25, first Indian Officer to enter the Staff College, Quetta, 1933; Staff Capt., Deccan District, 1936, Dy. Asstt. Quartermaster-General Oct. 1938, Deccan District, Brigade Major, Khojak Brigade, later known as 20th Indian Infantry Brigade, 1939; saw service in Iraq, Syria and Iran, 1941-42, while in Iraq, served under Field Marshal Sir William Slim, C.I.G.S., U.K.; appointed Asstt. Quartermaster-General (Operations), Eastern Army, March 1943; went to the Arakan as Asstt. Adjutant and Quartermaster-General, 26th Indian Division, July 1943; appointed Member of the Army Reorganisation Cttee. in the rank of a Brigadier, Nov. 1944; toured the United States and Canada visiting the American Military Academy at West Point in 1945; was the first Indian of rank to visit the U.S. and Canada; took over command of the Bannu Frontier Brigade Group, Jan. 1946, promoted Major-General, July 1947; was Chief of the General Staff for some time, before being appointed G.O.C.-in-Chief, Eastern Command, Dec. 1947; succeeded Lieut.-General Sir Francis Tuker, being the first Indian Officer to become an Army Commander; promoted Lieut.-General; has travelled widely, succeeded Lieut.-General Russell as G.O.C.-in-Chief, D.E.P. Command, which has since been designated Western Command, Jan. 1948; Commander-in-Chief, Army Jan. 1949, conferred "Legion of Merit" Degree of Chief Commander, by President Truman, Aug. 31, 1949; awarded the Hon. rank of a full General in the Nepalese army by H. M. the King of Nepal, Oct. 1952; conferred the Hon. degree of Doctor of Science of the Agra Univ., Jan.

1953. *Recreations*: Polo; Squash; Golf; Riding; Cricket; Tennis. *Hobby*: Stamp collecting. *Address*: Indian High Commission, Canberra, Australia, The Boshanara, Mercara, Coorg

CASSAD, Dhunjiaba Pestonji Ruttonji, M.Sc. (Eng.) (Lond.), B.Sc. (Bom.), M.R.S.I. (Lond.), M.M.G.I., M.I.E., M.Am. Soc. C.E., M.A.I.M.E., Chartered Engineer (Civil & Mining); Managing Director, The Central Provinces Syndicate Ltd., Nagpur and ex-Officio Director, The Kanhan Valley Coal Co., Ltd., Nagpur; Managing Director, The Byramji Mining Combine, Ltd., Bombay; Managing Director, Nagpur Electric Light & Power Co., Ltd.; Director, The Star Ginning and Pressing Factories Ltd., Nagpur.



b. Sept. 16, 1907; m. Kamalrukh Byramji; two s. and one d.; *Educ.*: St. Paul's European High School, Rangoon, Burma; Deccan & Ferguson Colleges, Poona; Benares Hindu University and University College, London. Conducted Researches in London and Berlin in Water Filtration and Rigid Frame Structures; formerly Consulting Civil Engineer, Bombay and Quetta; R.C.C. Engineer Designer, Tata Chemicals Ltd., Mithapur; Civilian Engineer, M.E.S.; Commissioned Officer, Corps of Indian Engineers; Professor, School of Military Engineering, Roorkee; at present connected with the mining industry for coal and manganese in Madhya Pradesh and iron ore mining in Bihar and Orissa; member, Local (M.P. Centre) Ctee. and Member of Council, Institution of Engineers (India); Member of the Advisory Board, Indian School of Mines and Applied Geology, Dhanbad; member, University Court, University of Nagpur representing the Madhya Pradesh Mining Assoc., Nagpur; member, All-India Council of Technical Education, Western Regional Ctee.; member Divisional Rly. Users Consultative Ctee., Central Railway, Secunderabad; widely travelled in Great Britain, Europe, Iran, Iran, Egypt and Burma; member: Indian National Ctee., World Power Conference (Sectional Meeting), India, 1951; American Institute of Mining and Metallurgical Engineers, 1952. *Publications*: *Determination of the Temperature Coefficient in Water Filtration*, "Water and Water Engineering Journal," July 1936; *Typical Design for a R.C.C. Chimney—320 ft. height and 12 ft. dia.*, "Indian Concrete Journal," Sept. 1941. *Clubs*: Willingdon Club, Bombay, Kondwana Club and C. P. Club, Nagpur; Kew Mason. *Address*: The C. P. Syndicate Ltd., Dolly Dale, Byramji Town, Nagpur. *Residence*: Shirin Lodge, Byramji Town, Nagpur and (Crimbhoy Manor, Warden Road, Bombay 26).

CAVESHAN, Sardul Singh, ex-Pres., All India Forward Bloc; Managing Director & Chairman, People's Insurance Co. Ltd., New Hindustan Bank Ltd., C.R.E. Wood & Co. Ltd., Himpur Bank Ltd., Punjab Buildings and Land Trust Ltd., etc. b. 1886 at Amritsar; Educ.: Graduated from Punjab Univ. in 1909. Started the "Sikh Review" in Delhi in 1913; elected Fellow, Hindu Univ., 1917; Trustee, Sikh National Coll., Lahore; in 1918 returned from Delhi, shifted to Lahore and started the "New Herald"; elected Secy., All-India Sikh League in 1920; Secy., P.P.C.C. the same year; elected Pres. Sikh League; sentenced in 1919 to five years' transportation in connection with non-cooperation movement; presided over the Punjab Provincial Conference in 1925; elected Member, All-India Congress Working Ctee. in 1928; acted as Congress President in 1932



and 1933 and sentenced nine times in connection with Congress Civil Disobedience Movement; resigned Working Ctee. membership on Office Acceptance question; elected Pres., Forward Bloc just before Subhas Bose left India; charged with having contact with Subhas Bose and of being a party to the plans to free India by the use of armed forces; detained for four years under D.I. Rules. *Publications*: Many religious and political tracts and books; *Non-violent Non-co-operation, The Sikh Studies, India's Fight for Freedom, Indian Politics, Successful Life Insurance Agent. Recreations*: Cricket and Chess. *Address*: Sabzmandi, Delhi.

CHADHA, Shanti Narayan, Proprietor, Pucka Hooley Mills, and Narayana & Co., Kanpur. b. Jan. 15, 1902, s. of L. Diwan Chand, M.A., D.Litt., Ex-Vice-Chancellor, Agra Univ. m. Smt. Krishna Devi; two s. and three d.; Educ.: D.A.V. Coll., Lahore and Kanpur. Managing Director, Cawnpore Industries Ltd., Kanpur; Director: Cawnpore Textiles Ltd., Kanpur; Jupiter Investment Trust Ltd., Amritsar; member, Knitted Garments Sub-Ctee. of the Indian Standards Institution, New Delhi; Vice-Pres., Merchants' Chamber of U. P., Kanpur; D.A.V. Coll. Trust and Management Society, U. P., Kanpur, Arya Samaj, Kanpur; D.A.V. Coll., Kanpur and Dehra Dun; Founder-member, Rotary Club, Kanpur; a prominent social worker, was member: Working Ctee., All India Hindu Mahasabha; Court of Lucknow Univ.; Co-opted member: Sir Tej Bahadur Sapru Educated Unemployment Enquiry Ctee member: Working Ctee., Hindu Orphanage, Kanpur, Central Goods Shed Advisory Ctee., Kanpur, connected with several religious, educational and social institutions; travelled widely abroad. *Address*: Shanti Nivas, 63, Cantonments, Kanpur.



CHAOLA, Chief Justice Mahomed Ali Currim, B.A. (Oxon.), Bar-at-Law, Chief Justice, High Court, Bombay, since Aug. 15, 1947. b. Sept. 30, 1900; m. Moherunnissa, d. of Dharsi Jivraj; Educ.: St. Xavier's High School and Coll., Bombay, and Lincoln Coll., Oxford; graduated at Oxford in Honours School of Modern History, 1922; President, Oxford Asiatic Society, 1921; President, Oxford Indian Majlis, 1922; called to the Bar (Inner Temple), 1922; Prof. of Constitutional Law, Govt. Law Coll., Bombay, 1927-30; Hon. Secy., Bar Council of the High Court of Judicature at Bombay, 1933-41; Fellow and Syndic of the Bombay University; Delegate to U.N. to fight the cause of Indians in South Africa, 1946; Puisne Judge, Bombay High Court, 1941-47. Vice-Chancellor, Bombay University, April-November, 1947; Pres., Bombay Branch, Royal Asiatic Society, since 1947; *Publication*: *The Indian Constitution (1930); Law, Liberty & Life. Address*: High Court, Bombay.

CHANNANI, Mr. Justice Hashmatrai Khubchand, B.A. (Cantab.), High Court Judge, Bombay, since Aug. 27, 1948. b. Feb. 29, 1904; m. Sati, d. of Diwan Isardas Udham, Advocate, Karachi; Educ.: D. J. Sind College, Karachi and Magdalene College, (Cambridge). Joined Indian Civil Service, Dec. 1927; toured round the world March-June 1935; thereafter appointed as Secretary, Bombay Legislative Council and Assistant Legal Remembrancer; was the first Secretary of the Bombay Legislative Assembly constituted under the Govt. of India Act, 1935; again visited Europe, 1938; Joint Secretary, Home Department, Govt. of Bombay, 1942; subsequently transferred to Govt. of India, Home Dept. where he officiated for some time as Joint Secretary; posted to Surat as District Judge, Jan. 1944,

and subsequently served in the same capacity at Ahmedabad; Commissioner, Criminal Division, Sept. 1947-Aug. 1948. *Address*: High Court, Bombay.

CHAKRABARTI, Mukunda Chandra, B.Sc. (Dacca), first class first with double honours in Maths. & Physics, M.Sc. first class first, Reader and Head of the Univ. Dept. of Statistics, Bombay Univ., since 1948. b. January 31, 1915, s. of late B. C. Chakrabarti and Mrs. Chakrabarti; Educ.: Dacca Univ., and Indian Statistical Institute, Calcutta. Lecturer in Mathematics, Dacca Univ., 1937-39; Lecturer in Mathematics, J. B. College, Assam, 1939-40; Lecturer, Calcutta Univ., 1943-44; Lecturer, Dacca Univ., 1940-43, 1944-48; Fellow, Univ. of Bombay; member, Academic Council; member, Faculty of Science, Poona Univ.; member, Faculties of Arts, Science & Commerce, Baroda Univ.; member, Council of Directors, Calcutta Statistical Association. *Publications*: Author of a large number of original papers in Statistics in various Journals. *Address*: Morparia Cottage, 150, Ghodbunder Road, Andheri, Bombay.

CHAKRAVARTI, Niranjan Prasad, M.A. (Calcutta Univ.), Ph.D. (Cambridge), O.B.E., O.S.D., Parliament Secretary; Ex-Adviser in Archaeology, Govt. of India. b. July 1, 1898, s. of Hariprasad Chakravarti and Shaahimukhi Devi; m. Miss Suzanne Elisabeth Flynn, Elre; Educ.: Calcutta Univ.; awarded Calcutta Univ. Gold Medal and Hem Chandra Goswami Gold Medal and Sonamoni prize; Govt. of India scholarship for study in Europe, 1921; Research student in the Sorbonne, Paris and the Univ. of Berlin, 1924-26; Lecturer in the Calcutta Univ., 1917-28; Asst. Supdt. for Epigraphy, 1929; Govt. Epigraphist for India, 1934; Dy. Director-General of Archaeology in India, 1940-48; Joint Director-General of Archaeology in India, 1945; Fellow of the Royal Asiatic Society of Bengal; Hon. Member of the Ecole Française d'Extreme Orient, 1949; Director-General of Archaeology in India, 1948-50; Vice-Pres., Royal Soc. of India and Pakistan, London. *Publications*: Writer of several books published in India and Paris and also reports and articles in Departmental and other scientific journals in India and abroad. *Recreation*: Gardening. *Club*: Delhi Gymkhana Club, New Delhi. *Address*: No. 36, Meena Bagh, New Delhi.

CHAKRAVARTI, Chief Justice Phani Bhusan, M.A., B.L. (Calcutta), Chief Justice, High Court, Calcutta, since June 13, 1952. b. Oct. 15, 1898, s. of late Shyama Charan Chakravarti and late Benode Bashini Devi; Educ.: Dacca Collegiate School and Presidency Coll., Calcutta. Lecturer in English, Jagannath Intermediate Coll., Dacca, 1920-26; Asst. Editor and leader-writer, *Calcutta Weekly Notes*, and Advocate, High Court, Calcutta, 1926-45; raised to the Bench, April 26, 1945; Legal Adviser to the Govt. of India for Income-tax matters in Bengal, 1940-45; on deputation as member, Income-tax Investigation Commission, Feb. 1949-April 1951; reverted to High Court in May 1951; Chairman, Medical Education Enquiry Ctee., Calcutta Univ., 1951. *Recreations*: Long walks and reading. *Address*: 20/4, Aswini Dutt Road, Ballygunj, Calcutta.

CHAKRAVARTY, H. E. Sirendra Narayan, B.Sc., O.B.E. (1945), Indian Ambassador in the Netherlands, since Jan. 1952. b. Dec. 20, 1904, s. of late H. N. Chakravarty, retired Inspector of Schools in Bengal; m. Indira (née Sanyal); one s. and one d.; Educ.: Presidency College, Calcutta, University College, London. Joined the Indian Civil Service in 1929; held various appointments in Bengal districts and the Bengal Secretariat; Finance Secy., Bengal Govt., Nov. 1944; Secy. to Governor, West Bengal, August 15, 1947; Counsellor, Indian Embassy in Nanking, China, February 1948; Head of Indian Liaison

Mission, Tokyo, Japan with personal rank of Minister, June 1948-49; Jt. Secy., Ministry of External Affairs, 1949-51; Secy., Commonwealth Relations, External Affairs Ministry, Govt. of India, 1951-52. *Hobbies:* Photography and gardening. *Clubs:* Calcutta Club, Calcutta; Delhi Gymkhana Club, Delhi. *Address:* 41/3, Hazra Road, Calcutta 19; Indian Embassy, The Hague, Netherlands.

CHAMARBAUGVALA, R. M. D., Managing Director, R.M.D.C. (Mysore) Ltd. b. Jan. 1, 1913; s. of Merwanji Dada-bhoj Chamarbaugvala and Aimal M. D. Chamarbaugvala; m. Perin Framroz Sassoonwala; one s. and two d.; *Educ.*: St. Vincent's High School, Poona. Joined father's business, 1928; became Dir., Business Manager and Joint Managing Director, *The Sunday Standard*, Bombay, 1936; became sole Conces-

sionalre for Littlewoods Football Pools for India, Burma, Ceylon and the Far East, 1945; founded: R.M.D.C. (Bombay) Ltd., 1945; R.M.D.C. (Mysore) Ltd., 1948; *"The Sporting Star"*, Bangalore, 1948; the daily *Satyra*, Bangalore, 1953. *Clubs:* The Orient Club, Bombay; Willingdon Club, Bombay; Cricket Club of India, Bombay. *Address:* 2, Residency Road, Bangalore.

CHAND, H. E. Major-General Khub, B.A. (Hons.), I.C.S., Envoy Extraordinary and Minister Plenipotentiary of India in Iraq, since April 15, 1952. b. December 16, 1911, *et. s.* of Dip Chand and the late Mrs. Dip Chand of New Delhi; m. Nirmal Khub Chand (née Singh); two s. (Ashok and Ranjit) and three d. (Aruna, Nita and Asha); *Educ.*: Univ. of Delhi; Oriel College, Oxford. Joined the I.C.S., 1935 having stood first in the I.C.S. Competition in India; Joint Magistrate and later Additional District Magistrate, Cawnpore, 1935-39; Under Secy. to the Govt. of India, Defence Dept. and Secy., Indian Soldiers' Board, 1939-43; District Magistrate, Azamgarh and Regional Food Controller, Benares Region, 1943-47; Deputy Secretary, Ministry of Defence, 1947-48. Head, Indian Military Mission, Berlin with military rank of Major-General, 1948-50 and Head of the Indian Mission in Bonn with rank of Minister Plenipotentiary, 1949-50; appointed Dy. High Commissioner for India in Pakistan, Sept. 1950; acted as High Commissioner for India in Pakistan, Nov. 1950-Aug. 1951. *Recreations:* Riding, Shooting, Conversation. *Clubs:* Roshanara (Delhi), Chelmsford (New Delhi). *Address:* C/o the Ministry of External Affairs and Commonwealth Relations, New Delhi.

CHAND, H. E. Dr. Tara, M.A. (Alld.), D. Phil. (Oxon.), Indian Ambassador to Iran, since Dec. 1951. b. 1888; *Educ.*: St. Stephen's Mission School, Delhi; Meerut College, Meerut; Muir Central College, Allahabad; Queen's College, Oxford. Professor of History, Kayastha Pathshala College, Allahabad; Principal, K.P.U. College, 1925-45; Professor of Politics, Allahabad Univ., 1945-47; Vice-Chancellor, Univ. of Allahabad, 1947; Pres., Secondary Education Conference; Secretary, Hindustani Academy, U.P.; Indian History Congress; Pres., Indian History Congress; Secretary and Educational Adviser, Ministry of Education, Govt. of India, 1948-51. *Publications:* *A Short History of the Indian People: Influence of Islam on Indian Culture, and Hindutani*. *Address:* Indian Embassy, Tehran, Iran.

CHAND, Tek, B.A. (Punj.), M.A., B.C.L. (Oxon.), Bar-at-Law, M.P., Advocate, Supreme Court of India and Punjab High Court. b. April 9, 1903, s. of Lala Duni Chand; m. Smt. Hemvati Savitri; one s. Vikram

and two d., Anila and Anita; *Educ.*: Anglo-Sanskrit High School, Ambala City; Dayanand Anglo-Vedic Coll., Lahore; St. Catherine's, Oxford. *Publications:* *Law of Legal Practitioners*, *Law of Contempt of Court and of Legislature*, *commentaries on Punjab Acts*; *Child Marriage Restraint Act Recreations:* Trekking, Travel. *Club:* A. D. C. Simla. *Address:* Rock House, Simla: 145, North Avenue, New Delhi.

CHANDA, Anil Kumar, B.Com. (Dacca), Senior Scholar, Dacca Univ. (1925), B.Sc. (Econ.) (Lond.), Deputy Minister for External Affairs, Government of India. b. May 23, 1906, s. of late Kamini Kumar Chanda, sometime Member, Imperial Leg. Council and Central Leg. Assembly and late Smt. Chandra prabha (née Datta); m. Smt. Ranes (née Dey); one s.; *Educ.*: Silchar Govt. High School, Santiniketan, Visvabharati; Dacca, Calcutta and London Univs. Lecturer, Visvabharati; Secy. to Rabindranath Tagore; Principal, Coll. of Arts and Science, Santiniketan, Professor of Politics, Visvabharati Univ. *Publications:* Writes occasionally under the pen name "Acacia". *Recreation:* Traveling. *Club:* Calcutta Club, Calcutta. *Address:* Ministry of External Affairs, New Delhi.

CHANDA, Asok Kumar, B.Sc., O.B.E. (Jan. 1945), to be Comptroller and Auditor-General of India, from Aug. 1954. b. 25th Oct., 1902, 3rd s. of K. K. Chanda (Member, Imperial Legislative Council; Chairman, Bengal Home Rule League, etc.) and Chandra-prabha Chanda; m. Monica, d. of late J. N. Gupta, C.I.E., I.C.S., Member, Board of Revenue, Bengal and g. d. of late R. C. Dutta, C.I.E., I.C.S., President, Indian National Congress; two d. Anjali and Malabika; *Educ.*: Calcutta Univ., London School of Economics. Joined Indian Audit and Accounts Service, 1926; on deputation with Madras Govt., 1927-39; Joint Secy., Govt. of India, 1945; Member of Lend-Lease Delegation to U.S.A., 1946; Adviser, Punjab Partition Council, 1947; Additional Secy., Govt. of India, 1947; Defence Delegation to U.K., Nov. 1947 and Feb. 1948; Sterling Balances Delegation, May-July 1948; Deputy High Commissioner for India in the U.K., Oct. 1948-May 1949; Financial Commr. for Rlys., 1940-52; Head of Railway Delegation to Europe, 1950 and 1952; Secy., Ministry of Production, Govt. of India, 1952-March '54. Officer on Special Duty, Office of the Auditor General, Govt. of India, March-August, 1954. *Recreations:* Golf, Tennis and Swimming. *Clubs:* Delhi Gymkhana, Calcutta, Shillong and Ranchi Clubs. *Address:* Ministry of Finance, Govt. of India, New Delhi 2.

CHANDAVARKAR, Sir Vithal Narayan, Kt. (1941), M.A. (Cantab.), Barrister-at-Law, Mg. Director, N. Sirur & Co. Ltd., Cotton Mill Agents. b. 26 Nov., 1887, *et. s.* of the late Sir Narayan Ganesh Chandavarkar; m. Vatsalabai, 3rd d. of Rao Sahab M. V. Kalkini of Karwar (N. Kanara); *Educ.*: Aryan E. S. High School and Elphinstone High School, Elphinstone College, Bombay; and King's College, Cambridge. Advocate, Bombay High Court, 1918-26; Acting Professor of History, Elphinstone Coll., Bombay, July to October 1915; joined N. Sirur & Co., 1920; member, Bombay Municipal Corporation, 1928-39; Chairman, Law Cttee., 1928-29; Standing (Finance) Cttee., 1929-30; Revenue Cttee., 1930-31; Mayor of Bombay, 1932-33; Deputy Chairman, Millowners' Assoc., Bombay, 1935, 1942, 1951 and 1953; Chairman in 1936, 1940, 1941, 1943, 1944, 1945, 1948, 1949 and 1950; Pres., Employers' Federation of India; Vice-Chancellor, Bombay Univ., 1938-39; Chairman, Bombay City Branch, Indian Red Cross Society; Pres., National Indian Liberal Federation (Calcutta), 1940-41; Member, Council of the Indian Institute of Science, Bangalore, since 1935 and Chairman, since

1947; member, Bombay Legislative Council, 1933; M.L.A. (Central), 1941-45; Pres., Rotary Club of Bombay, 1942-43. *Address:* 41, Pedder Road, Cumballa Hill, Bombay 20.

CHANDKARAN, Sarda Kanwar, Advocate, Supreme Court, Pres., Ajmer Journalist's Assoc. b. June 25, 1888, has four s. Shrikaran Advocate, Ramesh-chandra, Virendrakumar and Dineshchandra and six d., Smt. Vidyavati Seth Vithaldas Rathil, Sarladevi, Leelavati Chaturbhuj Lakhotia, Sumitradevi Ganeshdas Laddha, Usha Sushil-chandra Mohunta and Sudha. Rendered good service during plague and floods; suspended practice and suffered imprisonment in non-co-operation movement, 1922. joined shuddhi movement with late Swami Shradhdhanandji, converted 2 lakhs of Malkana Rajputs, Chitlas Maharat, Meos, etc. to Hinduism; Leader, Aryasamaj, Jananagh, toured throughout India for vedic religion and Hindu cause; 2nd Dictator, Arya Satyagraha, Hyderabad-Deccan, Arya Dictator for removal of Satyarth Prakash ban in Sind; helped distressed people of Hyderabad State prior to Police action by the Govt. of India; celebrated his diamond jubilee, 1918; broadcast the spirit of freedom throughout Rajasthan and Madhya Bharat during the freedom movement of 1921. ex. Vice-Pres., All India Hindu Mahasabha, Vice-Pres. Bhartiya Janasangh, Rajasthan provincial branch, ex-General Secy., All India States People's Conference; Aryan Youths Conference. *Publications:* *Sarda Act*; *Shuddhi Chandrodaya*; *Dalitodhar*; *College Hostel*; *Modern-ton-ky-pol*; *Aashyog*; *Swatantra Bharatman Aryasamaj*; *Noakhali-ka-Hatyakand*, etc. *Address:* Sarda Bhawan, Ajmer.

CHANDRA, Chaudhuri Nasak, M.A. (Cantab.), Bar-at-Law, I.C.S., Secretary to the Govt. of India, Ministry of Rehabilitation, since July 1948. b. Oct. 10, 1896; m. Smt. Vidyavati; two s. and two d.; *Educ.*: Govt. High School, Multan and at Sidney Sussex Coll., Cambridge. Asst. Magistrate & Collector, Bengal, 1922, Asst. Commr., Punjab, 1923-28; Deputy Commr., 1928-31; Junior Secy. & Addl. Secy. to F.C.'s Punjab and Deputy Secy. to the Govt., Punjab, Rev. Dept., Dec. 1931-41; Addl. Secy. to Govt., Punjab, Fin. Dept., Dec. 1941; Secy. to Govt., Punjab, Fin. Dept., 1942-46; Commr., Jullundur Divn., 1946-47; Commr., Lahore Divn., Feb. 1947-Mar. 1947; Financial Commr., Development, March-July 1947; Addl. Secy. to the Govt. of India, Mny. of Home Affairs, July 1947; Addl. Secy., Govt. of India, Mny. of Relief & Rehabilitation, Sept. 1947; Hon. Editor, *Philatelic Journal of India*. *Publications:* Court of Warrs Manual (Punjab). *Recreations:* Tennis; Stamp collection. *Club:* Delhi Gymkhana Club. *Address:* 3, Sonohri Bagh Road, New Delhi.

CHANDRA, Mr. Justice Harish, B.Sc., M.Sc. (First Class first), Punes Judge, High Court, Allahabad. b. Sept. 15, 1891, s. of the late Gulzari Lal, Advocate, Allahabad High Court; m. 3rd d. of Radha Mohan Lal, Retired Judge, High Court, Jaipur; one d.; *Educ.*: Allahabad. Joined the I.C.S., 1921. *Recreations:* Riding; Tennis. *Address:* 12, Hamilton Road, Allahabad.

CHANDRA, Bhai, B.Sc., M.L.C. (U.P.), Chairman, Uttar Pradesh Legislative Council, since March 10, 1949. b. Sept. 20, 1894, s. of Dr. Bhagavan Das, M.A., D.Litt. and Chameli Devi; m. Kripa Devi, d. of Thakur Das of Haldaur (Bijnor, U.P.); *Educ.*: Central Hindu Coll. (Allahabad Univ.); Social worker; connected with the Allahabad Seva Samiti and the Boy Scout Movement;

elected member, Banaras Municipal Board (1923-25); served on many of its Ctees.; elected member, U.P. Legislative Council for three years (1937); Parliamentary Secy., Local Self-Govt. Dept., U.P. (1937-38); member, various Ctees. of the Provincial Legislature and Govt.; re-elected to the U.P. Legislative Council, 1940; was unanimously elected Dy. Pres., U.P. Leg. Council, Nov. 1948; interested in problems of health and hygiene on which he has contributed many articles to the press. *Recreations*: Walking and hiking in the hills. *Clubs*: Kashi Club, Banaras and Dilkusha Club, Lucknow. *Address*: Shanti Sadan, Banaras Cantt. and Vikramditya Marg, Lucknow.

CHANDRA, Manish, M.A. LL.B. (Allahabad), Managing Director, Daulat Industrial Corporation Ltd.; Managing Director of Maveer (Agents) Ltd., Delhi. b. July 19, 1923, s. of



Murl Dhar Agrawal, a prominent Advocate of U.P.; m. d. of Champa Lal, M.I.E., I.S.E., Retd. Super-Intending Engineer, Punjab; two d.; *Educ.*: D.A.V. Coll., Dehra Dun; took B.A., M.A. and LL.B. degrees from Allahabad Univ. After education, travelled widely in India, seeing various Industrial Concerns, mostly big Industrial and Engineering Concerns and then took up Managing Directorship of the present concerns. *Address*: Civil Lines, Ludhiana.

CHANDRA, Satish, M.A., B.Sc. (Agr.), Deputy Minister for Defence, Govt. of India. b. Jan. 17, 1917, at Bareilly, s. of Brijlal; m. Smt. Rajkumari; *Educ.*: Govt. Agricultural Coll., Kanpur; Bareilly Coll. Trustee; Shyam Sunder Memorial Coll., Chandauli; Gandhi Eye Hospital Trust, Aligarh. Joined Congress, 1936; courted jail several times for Congress activities; member: U.P.C.C., since 1939; Kasturba Gandhi National Memorial Fund (Ctee., 1947-48); Indian Constituent Assembly, 1948-50; ex-member: Food Grains Investigation Ctee., Govt. of India; Central Board of Archaeology; Central Advisory Council for Rlys.; Parliamentary Secy. to the Prime Minister, 1951; returned to the House of the People from Bareilly Dist. South Constituency, U.P. *Address*: Alamgirganj, Bareilly (U.P.).

CHANDRAMOULI, K., ex-Minister for Local Administration and Co-operation, Govt. of Madras. Graduated in Aberdeen, 1924. Joined Congress, 1926; took active part in all National Movements under the leadership of Mahatma Gandhi; was President, District Congress Committee, Guntur, for 4 years; member, All-India Congress Committee for several years; Joint Secretary, Andhra Provincial Congress Committee for 2 terms and President, Andhra Provincial Congress Assembly for some time; President, District Board, Guntur, 1938-40; member, Madras Legislature, 1937; member, Parliamentary Board for selection of candidates for Central and Provincial Legislatures; imprisoned, 1930, 1941 and 1942. *Address*: C/o Secretariat, Madras.

CHANDRASEKHAR, Shrimati M., B.Sc., I.T. (Madras), B.Sc. (H. & S.S.) (London), Deputy Health Minister, Govt. of India, since Aug. 12, 1952. Is the d. of Kalathur Munisamy Pillai, Harijan leader and Tamil scholar of Madras; *Educ.*: Madras Univ.; King's Coll., London. First Harijan lady from South India to obtain a foreign degree; attended courses at National Training College of Domestic Science and Westminster Technical College, London, and studied various aspects of Domestic Science; underwent a practical course in Dietetics at the Middlesex Hospital, London; visited important Public

Health Institutions in London to study special Public Health problems; also attended a course of Free Lance Journalism at the London School of Journalism; visited various educational institutions and social welfare centres in England, Scotland, Ireland, France, Belgium, Italy, Switzerland and Czechoslovakia and gathered knowledge about their working. Takes keen interest in social work especially in the education of underprivileged women and slum improvement; while at London as a member of the India League, Y.M.C.A. and National Union of Students took active part in their public and social activities; member of various organisations connected with women's welfare, social service and education; first Harijan lady to be elected to the House of the People. *Address*: Ministry of Health, New Delhi.

CHANDRASEKHAR, Dr. Sripati, M.A., M. Litt. (Madras), M.Sc. (Columbia), Ph.D. (New York), Professor and Head of the Dept. of Economics, Baroda Univ., since 1951; Director, Indian Institute for Population Studies. b. Nov. 22, 1918, s. of Sripati Sarangapani and Mrs. Sarangapani, Rajahmundry; m. Miss Dorothy Ann Downes, New York City, U.S.A.; one d., Radha; *Educ.*: American Mission Voorhees High School, Vellore; Madras Presidency Coll., Univ. of Madras; Columbia, New York and Princeton Universities, U.S.A. Lecturer in Indian Economics, Pennsylvania Univ.; visiting Professor, Asia Institute, New York, 1944-46; Professor of Economics, Annamalai Univ., 1947-50; Director of Demographic Research, UNESCO, Paris, 1947-49; member, Indian Delegation to International Conference of Agricultural Producers, Paris, 1947; Indian UNESCO delegate to the International Family and Resources Conference, Cheltenham, 1948; represented Annamalai Univ. at the British Empire Universities Congress, Oxford, 1948; UNESCO's delegate to the World Population Conference, Geneva, 1949; Pres. First All-India Conference on Family Planning, Bombay, 1951. *Publications*: *India's Population* (New York, 1946); *Indian Emigration* (Madras 1948); *Hungry People and Empty Lands* (Bombay, 1952) *Recreation* Tennis *Address*: Baroda University, Baroda.

CHANDRAVADAN, Ramanlal, B.A., Managing Agent, The Vikram Mills Ltd. b. Jan. 15, 1921, s. of Ramanlal Lalubhai, Millowner and Ex-Pres., Ahmedabad Millowners' Assoc.; m. Smt. Sulochana; two s., Niranjan and Kamal; *Educ.*: Gujarat Coll., Ahmedabad; passed B.A., 1943. Director: Ramanlal Lalubhai Ltd.; Vikram Mills Ltd.; Motilal Hirabhai Spg., Wvg. and Mfg. Co. Ltd.; Prabhat Trading Co. Ltd., Baroda; Wood and Chemicals Ltd.; Local Adviser to The Punjab National Bank Ltd.; travelled extensively in Japan, Hong Kong and China. *Clubs*: Shahibag Club; Orient Club; Cricket Club of Ahmedabad. *Address*: Moti Baug, Ellis Bridge, Ahmedabad 6.



CHARAN, Satya, M.A., B.T., ex-Commissioner for the Govt. of India in the British West Indies including British Guiana. b. July 5, 1907, s. of late Banish Bahadur Lal and Shrimati Rajmati Devi; m. Shrimati Padmavati Devi; three s. and two d.; *Educ.*: Govt. Jubilee High School and St. Andrews College, Gorakhpur; Meerut College, Lucknow University, and Benares University, Professor, St. Andrews College, Gorakhpur; Headmaster, D. A. V. High School, Gorakhpur and Allahabad; member, Board of High School & Intermediate Education, Uttar Pradesh; member of the Senate, Agra University; Pres., U.P. Secondary Education Assoc.; Secy., Overseas Dept., All-India

Congress Ctee. *Publications*: *The Torch-Bearers* (Oxford University Press). *Address*: Civil Lines, Gorakhpur (U.P.).

CHARI, V. K. Thiruvankata, M.A., B.L., Advocate-General, Madras, since Feb. 25, 1951. b. Jan 30, 1904, at Trichinopoly, s. of Sir V. T. Krishnamachari, Dy. Chairman, Planning Commission; m. Smt. Padmini, d. of N. Gopalaswami Ayyangar; one s. and one d.; *Educ.*: M.A. from Presidency Coll., Madras, 1924 and B.L. from Law Coll., Madras, 1926, Enrolled as Advocate, Madras High Court, 1927; Lecturer, Law Coll., 1933-37. *Club*: Cosmopolitan Club, Madras. *Address*: 132, Lloyds Road, Madras 6.

CHATTERJEE, Bimalananda, B.A., LL.B., D.S.S.A., Executive Secretary, Indian Conference of Social Work, since 1948; Vice-Pres., International Federation of Social Workers; Asst. Secretary-General, International Conference of Social Work. b. Dec. 30, 1919; m. Sheela Sakhwalkar; *Educ.*: Robertson Coll., Jubbulpore; Univ. Coll. of Law, Nagpur; and Tata Institute of Social Sciences, Bombay; Huzur Works (Social Service and Reconstruction) Officer, Dhrangadhra State, 1945-47; on the staff of the Tata Institute of Social Sciences, 1947-48; Founder-member and Jt. Hon. Secy., All-India Conference of Social Work, 1947; associated with a number of social service agencies; attended many international conferences on social welfare; travelled widely in Europe and the U.S.A.; member, Executive Ctee., Indian Council of World Affairs, 1953-58. Member, Editorial Board of the Indian Journal of Social Work. *Publications*: Several articles and papers on Social Problems and Social Work; Jt. Author—*Students & Social Work*; *A Study of the Adult Education Movement in India*. *Address*: Jehangir Mansion, 73/3, Hughes Road, Bombay 7.

CHATTERJEE, Nirmal Chandra, M.A., LL.B., Bar-at-Law, M.P., Senior Advocate, Supreme Court of India. b. Oct. 10, 1895, s. of Bhola Nath Chatterjee and Smt. Sallabala Devi; m. Smt. Binapani Devi; two s. and three d.; *Educ.*: Univ. of Calcutta and Univ. of London and Middle Temple. Was Judge, Calcutta High Court, member, House of the People representing Dist. Hooghly; Pres., All India Hindu Mahasabha; led Jammu Satyagraha movement along with late Dr. Syama Prasad Mookerjee. *Publications*: *Awakening of New India*; *Problems of Jammu*. *Recreations*: Gardening; Travelling. *Clubs*: Calcutta Club; Chelmsford Club, Delhi. *Address*: 22, Allpore Road, Calcutta 27; 7-B, Pusa Road, New Delhi.

CHATTERJI, Gyanesh Chandra, M.A. (Punjab), B.A. (Cantab.), Vice-Chancellor, Rajputana Univ., since Sept. 1953. b. March 4, 1894, 3rd s. of P. C. Chatterji; m. Ila Rudra, only d. of the late Principal S. K. Rudra of St. Stephen's College, Delhi; two s. and four d.; *Educ.*: St. Stephen's Coll., Delhi; Trinity Coll., Cambridge, England; London Day Training Coll., Southampton Road, London. Appointed to the Indian Educational Service as Prof. of Philosophy, C.T. Coll., Lahore, 1919; Prof. of Philosophy, Govt. Coll., Lahore, 1921; founded Laboratory of Experimental Psychology, Lahore, 1927; Principal, C.T. Coll., Lahore, 1939; D.P.I. and Education Secy., Punjab Govt., 1946; D.P.I. and Education Secy., E. P. Govt., 1947-49; Vice-Chancellor, E. P. Univ., April-July 1949; Member, U.P.S.C., 1949-53. *Publications*: "Commonsense Empiricism" in *Contemporary Indian Philosophy*; "Empiricism" in *History of Philosophy Eastern and Western* (G. A. Unwin); numerous papers in Indian and British journals. *Recreations*: Lawn Tennis, Golf, Bridge. *Clubs*: Delhi Gymkhana; A.D.C., Simla; Sirhind Club, Ambala. *Address*: Rajputana University, Jaipur.

CHATTERJI, U. N., B.Sc. (Hons.), M.Sc., D. Phil., D.Sc., Fellow, National Academy of Sciences of India; Editor of Publications, Indian Council of Agricultural Research, New Delhi; *Educ.*: Ewing Christian College, Allahabad and the University of Allahabad. Lecturer, Agra College and Meerut College (Agra University); Assistant Editor of Publications, Indian Council of Agricultural Research. *Publications*: Research Papers in Plant Respiration; articles on various subjects. *Address*: Editor of Publications, Indian Council of Agricultural Research, New Delhi.

CHATTOPADHYAYA, Hariadrath, M.P., Received Banner for Best Fighter for Peace (Nov. 1950) from I.U.S.; Poet and Playwright. b. April 2, 1898, s. of Dr. Aghorenath Chattopadhyaya, 1st D.Sc. of India and Smt. Varada Sundari; one s., Ramakrishna Chattopadhyaya; *Educ.*: Home and for a year Cambridge Univ. for Ph.D. Elected with a majority over Congress candidate from Vijayawada constituency. *Publications*: *The Feast of Youth*; *Magie Free*; *Perfume of Earth*; *Wizard's Masks*; *Out of the Deep Dark Mould*; *Cross Roads*; Poems and Plays. Five Plays (Verse): *Life and Myself*; *The Divine Vagabond*; *Horizon-ends*; *The Dark Well*; Lyrics; *Blood of Stones*; *Treasury of Poems*; *Freedom Come*; Five Plays (Prose); 15 *Dr. Points* (Mukul Dey and Chattopadhyaya), etc.; Now in Press: *I Sing of Man* (Poems); *Land of the New Man* (Impressions of his visit to Soviet Union). *Address*: 4-12, Grama Street, Nungunbakkam, Madras.

CHATURVEDI, Mr. Justice Brij Kishore, B.A., LL.B., Bar-at-Law, Judge, High Court, Madhya Bharat, since 1948. b. Oct. 21, 1904 (Calcutta), s. of Pandit Banwarilal, Holipura, Agra (U.P.); m. Mrs. Maiti Devi; two s. and four d. *Educ.*: Calcutta; Allahabad; Agra; London District Judge, Legal Remembrancer and Offg. Judge, High Court, Bikaner State (1930-39); joined Gwalior Service, 1939; Judge, High Court, Gwalior State (1947). *Publications*: Criticism of Modern Hindi Poetry and some articles on ancient Ujjain. *Address*: 18, Gandhi Road, Gwalior.

CHATURVEDI, Jugal Kishore, B.A. (Hindi Hons.), Managing Editor, *Daily Rashtradoot*, Jaipur; Convener, Rajasthan branch of the Editorial Board for writing the History of Freedom Movement, Ex-Minister for Public Works and Refugee Rehabilitation, Govt. of Rajasthan b. Oct. 14, 1905, s. of Pt. Makhnani Lal Chaturvedi. General Secy., Social Reforms Institutions and Nagri Pracharni Sabha, Rewari; took part in spread of education and editing papers; attracted to Non-Co-operation Movement and Congress activities in 1920 in student life; started wearing khadi and took part in Civil Disobedience Movement in 1930 from Mathura; courted imprisonment thrice from 1939 to 1948, while working on different offices in the Bharatpur Rajya Praja Parishad; elected member, Municipal Board, Bharatpur, 1941; elected to Brij Jaya Pratidhhi Samiti (Legislative Assembly) in 1944; Dy. Chief and Education Minister of United State of Mataya, March 1948 to May 1949; General Secy., Rajputana Provincial Congress Cttee., Sept. 1949 to April 1951. *Address*: Jaipur.

CHAUDHRI, Girdhari Lal, M.A. (1940), Minister of Public Works, U.P. b. November 16, 1912; m. Shrimati Parvati Devi of District Bijnor; *Educ.*: D. A. V. College, Dehra Dun, and Hindu University, Banaras. One of the leading members of All-India Depressed Classes League; also an active member of the Indian National Congress; elected member, U.P. Legislative Assembly, 1946; same year included in the Provincial Cabinet; elected President of the U.P. Depressed Classes League, 1947; re-elected to U.P. Leg. Assembly, 1952. *Address*: Chukhu Mohalla, Dehra Dun.

CHAUDHRY, Manoharlal, Business man and Sheep & Poultry Farmer. b. Dec 21, 1900, s. of Ch. Narain Datta of Bhakkar (Mianwali), Pakistan; m. Smt. Lajwanti, 1937, four d. Lila, Usha, Sushma and Promila. *Educ.*: S. D. Coll., Lahore up to B.Sc. (Tech.); LL.B., from Law Coll., Lahore; took M.A. (Economics), after setting up practice. Proprietor, Chaudhry & Co., Exporters; Managing Director, Chaudhry & Co. (Publications), Ltd.; Journalist; Managing Editor: *The Roar*, *Mother Earth*, *Schnad*, *Gurj and India—Today and Tomorrow*; Life Member, Bombay Natural History Society; member, Royal Photographical Society; Fellow, Royal Economic Society, Founder-Secy., Himalaya Explorers; Pres., International Cultural Forum, Delhi. Fellow, Royal Arts Society, London. *Publications*: A few books including *Office Routine & Drafting*, *World at a Glance*, *Congress in Power*, *Personal Salesmanship*, *The Cheque & Law About It*, *The Delhi Sales-Tax Act*, *A Guide to Military Career*, *Political World at a Glance and On Path of Luck*. *Address*: 33F, Kalkaji Township, New Delhi.



CHAUDHURI, Major-General Joyanto Nath, O.B.E., Chief of General Staff (Army H.Q.), since Sept. 20, 1953. b. June 10, 1908, s. of A. N. Chaudhuri, Barrister, Calcutta; m. Aruna, d. of B. D. Chatterjee, of Calcutta, two s., Arjun and Ranjit. *Educ.*: Hastings House, Bishops College and St. Xavier's College, Calcutta, Highgate School, London and Royal Military College, Sandhurst, England. Commissioned, Feb. 1928; served one year with 1st Bn, North Staffordshire Regt., then posted to 7th Light Cavalry; during World War II saw service in the Middle East, Far East and was also instructor at Staff College; commanded 16th Light Cavalry in Burma and at end of war was Brigadier, I/c Administration, Malaya; commanded the Indian Victory Contingent to London, 1946 and attended the Imperial Defence College in London in 1947; on return to India officiated as Chief of General Staff and later commanded 1st Armoured Division; mentioned in despatches five times; Military Governor, Hyderabad State, till Dec 1949; commanded 1st Armoured Division, Indian Army, till Jan 10, 1952. *Publications*: 1 *Armd Div. on Op. "Polo"*. *Recreations*: Travel; Study of political economy and music. *Club*: Cavalry Club, London. *Address*: C/o Loyds Bank, Bombay.



CHAUDHURI, Nabakrushna, Chief Minister, Orissa. b. 1901, at Cuttack, s. of late Gokulananda Chaudhuri, Advocate, Cuttack Bar, m. Srimati Malati Chaudhuri; *Educ.*: Santiniketan. Took to agriculture. 1927; joined the C.D. movement and led a movement for non-payment of Chowkidary Tax in Balasore Dist., 1930. Established the Congress Socialist Party in Orissa. 1934; started a newspaper *Sarathi*. 1935; led the agitation against the oppression of the Durbars of Talcher and Dhenkanal.

1938; elected member of Orissa Leg. Assembly; led the left wing of the Congress Parliamentary Party; imprisoned in 1942 movement; appointed Minister, Orissa, 1946; Chairman of Cttee. to recommend legislative and other measures for land reforms in the State; resigned from the Ministry and legislature, 1948; drafted the final report of the Land Revenue and Land Tenure Cttee.; has been connected with the work of the 'Bajraut Chhatrabas', a model centre of basic education, started by his wife

at Angul; Secy., Board of Basic Education in Orissa; was unanimously elected leader of the Congress Parliamentary Party in Orissa, when Mr. Mahtab became a Minister of the Central Cabinet; elected M.L.A. Orissa in the general elections and again elected leader of the Congress Party. *Address*: Chief Minister Orissa, Cuttack.

CHAUDHURY, Dr. Emran Husain, B.A., D.Sc. Pol. b. Oct. 24, 1914, s. of late Moul-zuddin Chaudhury, Jorhat; *Educ.*: Jorhat, Allgarh, Berlin, graduated from Allgarh Univ., 1934; Hony. Secy., Univ. Union, 1931-35; represented Univ. at All-India Inter-university Debate, Lucknow, 1935; gave evidence before Sapru (Unemployment) Cttee., 1935, after completing M.A. (Econ.), I.L.B. courses, joined Berlin Univ. as Alexander Von Humboldt Scholar, Nov 1936; studied under Prof. J. Jensen who was shot for being implicated in the Anti-Hitler Putsch of July 20, 1944; took D.Sc. Pol. (Econ.) from Berlin Univ., 1939; Asst. Lecturer, Economics, Cotton (Govt.) Coll., 1940-45; started Unofficial Bengal Famine Relief, 1943; but owing to Govt. policy, organization broke down; resigned post 1945 and returned to the Legislative Assembly from Sibsagar Dist. Constituency (Muslim) on Muslim League ticket, 1946; M.L.A. (Assam), 1946-51; elected President, All-India Rly. Muslim Employees' League, June 1947; resigned Presidency, Dec 1947; elected Leader of the Opposition, 1951; Lecturer, J. B. Coll., Jorhat; divides time between Economics and Politics. *Publications*: *Der indische Arbeiterunter britischer Herrschaft*. *Address*: Jorhat, Assam.



CHAUHAN, Dvingsingh Venkatsingh, B.A. (Hons.), LL.B., Ex-Minister for Rural Reconstruction and Education, Hyderabad. b. March 2, 1911; m. Smt. Bhadrathi Bai; three s. and two d. *Educ.*: Poona and Nagpur. Practised as Lawyer for some time, later gave up legal profession and founded the Bharat Vidyalaya High School and worked as its Head; participated in Satyagrahas launched by the Hyderabad State Congress, 1938 & 1947; imprisoned for 14 months, 1947; was Secy., Maharashtra Provincial Congress for two years; Working Cttee. Member, Hyderabad Pradesh Congress, since 1950. *Publications*: Arithmetic Books in Marathi for 3rd to 7th Standard Classes; articles on Jagirdari Abolition and land reforms in various magazines. *Address*: Civil Service House, Somajiguda, Hyderabad.

CHERIAN, Dr. P. V., M.B.B.S., D.L.O. (R.C.S.), F.R.F.P.S.G., F.R.C.S.E., M.B.E. (1942), chairman, Madras Legislative Council. b. July 9, 1893, s. of P. M. Varkey, Anchal Supt., Travancore State; m. Tara Jesudasan; two s. and three d.; *Educ.*: C. M. S. College, Kottayam; Madras Medical College; London, Glasgow and Edinburgh. Temporary commission in the I.M.S., 1917-22; was in Iraq for 3 years; Asst. to Prof. of Surgery, Madras Medical College, 1923-25; specialised in diseases of the Ear, Nose and Throat in London, Glasgow, Edinburgh and Vienna, 1925-27; Ear, Nose and Throat Surgeon, General Hospital and Prof. of Ear, Nose and Throat Diseases, Medical College, Madras, 1927-48; Principal, Madras Medical College, 1945-48; acted as Surgeon General, Madras, 1947; retired, Aug. 1948; member, Syndicate of Madras Univ.; Alderman, Madras City Corpn.; Senior Mason and Past Pres., Rotary Club of Madras; Pres., Faculty of Medicine, Madras Univ.; Ex-Pres., Board of Studies in Medicine, Madras Univ.; was Mayor of Madras. *Recreation*: Tennis. *Clubs*: The Presidency Club, Madras; Madras Gymkhana; Madras Cricket Club; Lawley Institute, Ootacamund. *Address*: 5, Victoria Crescent, Egmore, Madras.

CHETIA, Purnananda, B.A. (Calcutta), Deputy Minister, Labour and Education Deptt., Govt. of Assam. *b.* Feb. 1905, *s.* of late Ramakanta Chetia; *Educ.*: Sibsagar Govt. English High School and Cotton Coll., Gauhati. *Address*: P.O. Shillong, Assam.

CHETTIAR, Dr. A. Chidambaramaiah, M.A., Ph.D., Professor of Tamil and Dean, Faculty of Oriental Studies, Annamalai Univ., since 1946. *b.* April 3, 1907, *s.* of A. Amirthalingam Chettiar and Parvathi Ammal; *m.* Periyannayagi Ammal, June 30, 1933; *Educ.*: Govt. Coll., Kumbakonam; Annamalai Univ. Lecturer, Govt. Muslim Coll., Madras (1930-33); Lecturer, Govt. Victoria Coll., Palghat (1935); Lecturer, Annamalai Univ. (1936-45); Acting Vice-Chancellor, Annamalai Univ. (1948); Member, Syndicate of the Univ.; member: Managing Committee, Tamil Encyclopedia, Madras; Government Committee for selection of Poet Laureates; Board of Studies in Tamil, Madras, Travancore, Mysore, and Annamalai Univs.; Pres., Social Service League, Annamalai Nagar. *Publications*: *History of Tamil Prose*; *Life of Sir Thomas Munro*; *Life of Booker T. Washington*; *Mun Panti Kalam* (a Book of Lity. Essays). *Clubs*: Staff Club, Annamalai Nagar. *Address*: Professors' Quarters, Annamalai Nagar (S. India).

CHETTIAR, Dr. Rm. Alagappa, M.A., D.Litt., LL.D., Barrister-at-Law. *b.* April, 1909, *s.* of late K. V. A. Ramanathan Chettiar; *m.*: one *d.*; *Educ.*: Presidency Coll., Madras and Middle Temple, London; had two years training in the Chartered Bank, London; took Pilot Certificate while in London. Managing Dir., Alagappa Textiles (Cochin) Ltd.; Director, Aaron Spinning & Weaving Mills Ltd.; Cannanore & Asok Textiles Ltd., Alwaye; awarded D.Litt. Honoris Causa by the Annamalai Univ. and LL.D. by the Madras Univ.; Life Member, Madras and Annamalai Univs.; Syndicate Member, Madras Univ.; donated for the foundation of Alagappa Chettiar Coll. of Technology, Madras Univ. and also the Coll. of Technology in Annamalai Univ.; donated an endowment for Tamil Chair in the Travancore Univ.; donated the "Umamayi Hostel" for girls in the Seva Sadan, Madras, and Maternity Ward and Hospital in Cochin in his mill, opened by Dr. Rajendra Prasad; endowed land and money, for the Thakkar Bapa Vidyalyaya, Madras, the foundation stone laid by Mahatma Gandhi; founded Dr. Alagappa Chettiar Arts Coll., Karaikudi, with an endowment of Rs. 20 lakhs and run by Dr. Alagappa Chettiar Coll. Endowment Trust; Dr. Alagappa Chettiar Training Coll., Karaikudi, inaugurated by late C. B. Reddi; Alagappa Chettiar College of Engineering and Technology, Karaikudi, foundation stone being laid by President Rajendra Prasad; founded Girls' School in Kottaiyur; made an endowment of Rs. 15 lakhs to the Electro-Chemical Research Institute, Karaikudi, foundation-stone laid by Shri Jawaharlal Nehru, Prime Minister of India, 1948 and inaugurated by Vice-Pres. Dr. B. Radhakrishnan, 1953. *Hobby*: Gardening. *Address*: "Krishna Vilas", Dr. Alagappa Chettiar Road, Vepery, Madras.

CHETTIAR, T. S. Arinashilingam, B.A., B.L., M.P., Ex-Minister for Education, Madras. *b.* May 6, 1903, in Tiruppur; *Educ.*: Pachayappa's Coll. & Law Coll., Madras. Enrolled Advocate, Madras High Court, 1926; interested in public work and Education; jailed in connection with Salt Satyagraha, 1930, C. D. Movement, 1932, Satyagraha Movements of 1941, and 1942, etc.; Founder, Ramakrishna Mission Vidyalyaya, Coimbatore, Pres., Dist. Congress Ctee., 1930-46; member, Central Assembly, 1935-46; elected M.L.A., Madras, 1946; President & Founder, Tamil Valarchi Kazhagam (Tamil Academy) which prepares the Tamil Encyclopedia; Minister for Education, Madras, 1946-49; was responsible for the introduction of Basic Education, Reorganisation of Secondary Education and Adult Education in the province. *Publications*: *Thirukkutha Pathrai*; *Inkila*

Porulathara Nool; *Nankanda Mahatma* and other books; compiled and translated Swami Vivekananda's 'Thoughts on Education' and his Indian Lectures. *Address*: Sri Ramakrishna Vidyalyaya, P.O. Coimbatore Dist. S. India.

CHETTIAR, T. Sundaram, B.Com., Managing Director, East India Corporation Ltd., Cotton Merchants and owners of several Ginning Factories in the South. *b.* 1915 at Madras. *s.* of Karumuttu Thiagarajan Chettiar; *Educ.*: Passed B.Com. Exam., Calcutta Univ., 1938; Secy., Saroja Mills Ltd., 1939-48; now Director, The Sree Meenakshi Mills, Ltd., Madurai; Saroja Mills, Ltd., Coimbatore; Sree Rajendra Mills, Ltd., Salem; Madura Insurance Co., Ltd., Madurai; President, Rotary Club, Madurai, 1952; visited the U.S.A., U.K. and the Continent, 1948; Pres., Sri Visalakshi Kalasalai, a High School in A. Thekkur, Ramnad District, member, Trust Board, Thiagarajar Coll. Endowment Trust. *Club*: Rotary Club, Madurai (Pres). *Address*: C/o Sree Meenakshi Mills Ltd., Madurai.



CHETTER, H.E. Mr. Krishna Krishna, M.A., B.L., Indian Ambassador to Burma. *b.* 1901, *s.* of P. K. Krishna Menon, *m.* Mrs. Meenakshi Chettur, *d.* of the late Sir Vasudev Raja of Kollengode; one *d.*, Miss Jayalakshmi Chettur; *Educ.*: Christian Coll., Madras; Law Coll., Madras. Joined Govt. of India, 1925; held various high appointments in the Central Board of Revenue and the Finance and Commerce Ministries; represented the Govt. of India in trade negotiations with a number of countries, including Sudan, East Africa, Switzerland, Yugoslavia, Iran, Afghanistan and Japan; participated in the Commonwealth discussions in London prior to the International Conference at Annecy (France) on trade and tariffs, 1949. Head of the Liaison Mission in Japan, Political Representative with S.C.A.P.; Indian Ambassador in Japan, 1953; Indian Ambassador in Burma, 1953. *Recreations*: Tennis; Golf; Gardening. *Clubs*: Delhi Gymkhana Club, New Delhi; Calcutta Club, Calcutta; Rangoon Golf Club, Rangoon; Union of Burma Club, Rangoon. *Address*: Indian Embassy, Rangoon.

CHHATPAR, Mr. Justice Sundardas Jethanand, B.A., LL.B., Judge, High Court of Saurashtra, since April 5, 1950. *b.* June 28, 1899, *s.* of Jethanand D. Chhatpar and Mrs. Nanjibai J. Chhatpar; *m.* Saraswati Thakurdas Reshamwala; one *s.* and four *d.*; *Educ.*: N.J. High School, Karachi; D. J. Sind Coll., Karachi; Law Coll., Bombay Legal practitioner, 1924-40; Registrar (O.S.), Chief Court of Sind and Registrar of Companies and Firms for Sind, 1940-44; Registrar (A.S.), Chief Court of Sind, 1944-47; Official Assignee, Karachi and Administrator-General and Official Trustee for Sind, 1947-48; Registrar, Saurashtra High Court, 1948-50. *Recreations*: Music; Billiards. *Club*: Rajkot Gymkhana Club, Rajkot. *Address*: High Court of Saurashtra, Rajkot.

CHIMANBHAI, Chimanbhai, B.A., Mayor, Municipal Corporation, Ahmedabad; Mill Agent. *b.* Nov. 1, 1909, *s.* of Chimanbhai Lalbhai; *m.* Prabhaben Manilal Javeri; one *d.*; *Educ.*: The Gujarat Coll., Ahmedabad. *Address*: Fankore Naka, Ahmedabad.

CHIMNI, Major-General Sirdar Bakshish Singh, O.B.E., Commander of an Area. *b.* 1905; *Educ.*: Govt. College, Lahore. Commissioned from Sandhurst, 1924; served with Maharajas as Company Cmdr. and later Q.M. for ten years; was transferred to the R.I.A.S.C. (1936); Dy. Asst. Q.M.G., 7th Indian Division, during World War II; was Asst. Q.M.G., L. of C. Area, Burma Army; Chief Staff Officer, L. of C. (101) Area in India until 1944; officiating Brigadier-in-Charge of Administration, 1944; was

Asst. Dir. of Supplies and Transport, 505 Burma Dist., served in various capacities in Akyab and Ramree Islands; commanded the R.I.A.S.C./R.A.S.C. units in Siam; Colonel-in-Charge, Administration, Bombay Sub-Area, 1946; was Inspector, R.I.A.S.C., G.H.Q. (India); appointed member, Army Sub-Ctee. of Armed Forces Reconstitution Ctee. to divide the Army and its assets between India & Pakistan; founder and head of the Military Evacuation Organisation; took charge in the initial stages of the mass movement of refugees in the Punjab, after partition; joined the Eastern Command as Major-General-in-Charge, Administration; Q.M.G. in India, March 1948—July 1951. *Address*: C/o Grindlays Bank Ltd., New Delhi.

CHINYOY, Sir Rehmtulla Maheraly, Kt., cr. 1936, Chairman of F. M. Chinoy & Co., Ltd., Bombay. *b.* Bombay, 11th February 1882; *Educ.*: Bharda New High School, Bombay. Member, Municipal Corporation, 1915-29; Chairman of its Standing Finance Committee, 1923-24 and Mayor, 1926-27; elected member, Legislative Assembly, 1931; President, Indian Merchants' Chamber, 1936; Life member, Indian Red Cross Society, 1921; its President in 1931; Non-Official Adviser to the Government of India in connection with the Indo-Japanese Trade Negotiations; member, Stock Exchange Enquiry Committee, 1936-37; member, Council of State (1936-47); President, Federation of Indian Chambers of Commerce and Industry for 1937-38; Director of several Joint-Stock Companies; connected with several benevolent and philanthropic institutions in the City. *Address*: Meher Buildings, Chowpatty, Bombay 7.

CHINYOY, Sir Sultan Maheraly, Kt. (1939), J.P. *b.* February 16, 1885; *m.* Sherbanoo; one *s.*, four *d.*; *Educ.*: Bharda New High School and Elphinstone College. A pioneer in the Motor Car and Petroleum trade in India; responsible for the introduction of Wireless Telegraphy in India on a commercial scale and founded the Indian Radio and Cable Communications Co., Ltd.; Mayor of Bombay, 1938-39; President, Bombay Rotary Club, 1940-41; District Governor, Rotary I, 89th District, 1944-45; raised large funds for the Bombay Hospitals as a member of Hospital Maintenance Committee and as Chairman of the Silver Jubilee Motor Parade Committee and the Motor Trade Sub-Committee of the King George V Memorial Fund; organised Pageant in 1937 in aid of funds for Red Cross and again in 1940 in aid of the Amenities for Troops Fund, Bombay Presidency; Chairman, The Manjri Stud Farm Limited. *Recreation*: Horse-flesh. *Address*: Dilabhar, Carmichael Road, Bombay.

CHOPADE, Solomon Govindrao, M.B.B.S., D.C.H., Consulting Physician, American Presbyterian Mission Hospital, Miraj and Professor of Medicine, Miraj Christian Medical Schools. *b.* 1915, at Kolhapur, *s.* of late Dr. G. L. Chopade, Physician, Kolhapur State Hospital; *m.* Manorama Mulwad; one *s.*, Vinod and one *d.*, Vijaya; *Educ.*: Irwin Christian High School; Bajaram Coll., Kolhapur upto Inter Science; B. J. Medical School, Poona upto final L.C.P.S.; passed final L.C.P.S. Exam. from Christian Medical School, Miraj, 1940; M.B.B.S. Exam., 1950; completed Course in Children's Diseases and passed D.C.H. examination of the Coll. of Physicians and Surgeons, Bombay, 1952. *Publications*: Contributes articles to Medical Journals. *Recreations*: Athletics, Tennis. *Address*: Mission Hospital, Miraj (South Satara Dist.).



CHOPRA, Major-General Mohinder Singh, Maj.-Gen., G.O.C. Inf. Division, Indian Army, since Oct. 1949. *b.* Jan. 12, 1903, *s.* of Sardar Harnam Singh; *m.* Jagjit Kaur; two *s.* and two *d.*; *Educ.*: B.I.M. Coll., Dehra Dun;

Royal Milly. Coll., Sandhurst, England. Commissioned, Aug. 30, 1928; attached to 1st Battalion, The Royal Fusiliers, for one year; joined 1st Battalion, The Rajput Regiment, 1929-32; transferred to 6th Royal Battalion (Scinde), 13 Frontier Force Rifles as the First King's Commissioned Indian Officer in the newly Indianised Battalion; was Staff Captain in the Palforce; promoted D.A.Q.M.G. after six months in the same H.Q.; was G.S.O. II Operations at H. Q., Sind District, Karachi; saw active service with a Frontier Force Battalion in Burma, 1943; promoted Lt.-Col. and appointed Commandant at the Army School of Physical Training in Oct. 1944; Inspector of Physical Training, 1946; commanded the 1st Battalion, Assam Regiment, 1947; Dy. Milly. Secy., Army H.Q., India after partition; was given command of Frontier Brigade Group, Oct. 1947. Address: Flagstaff House, Fort William, Calcutta 21.

CHOPRA, Col. Sir Ram Nath, Kt., C.I.E., M.A., M.D., Sc.D. (Cantab.), F.R.C.P. (London), I.M.S. (Retd.), Kt. (1941). Director, Drug Research Laboratory, Jammu and Kashmir State. b. August 17, 1882; m. Miss Permishwari; Educ.: Punjab Univ., Downing College, Cambridge, and St. Bartholomew's Hospital, London. I.M.S., 1908-21; Prof. of Pharmacology, School of Tropical Medicine and Medical Coll., Calcutta, 1921; Director, School of Trop. Med., 1935-41; Chairman, Drugs Enquiry Cttee., Govt. of India, 1930-31; Director, Medical Services, Kashmir State; was Officer in charge of indigenous Drugs Enquiry, Drug Addiction Inquiry and the Medicinal Plants and Food Poisons Inquiry; Fellow of the Royal Asiatic Society of Bengal; Pres., National Institute of Sciences of India; Hon. Member, Pharmaceutical Society of Great Britain; served in the Great War, 1914-19; Hon. Physician to the King, 1935-39; Pres., All-India Science Congress, 1947; Chairman, Indigenous Systems of Medicine Cttee., Govt. of India; Member, W.H.O. Expert Cttee. on Drugs liable to produce Addiction and International Pharmacopæia. Publications: *Anthelmintics and Their Uses in Medical and Veterinary Practice*; *Indigenous Drugs of India*; *A Hand book of Tropical Therapeutics* (in press); *Medicinal and Poisonous Plants of India*—2 Vols. Address: Srinagar, Kashmir; and Akhnor Road, Jammu.

CHORDIA, Shyam Sunder Lal, M.A., Ex-Managing Editor, *The Illustrated Weekly of India* and *The Crossword Competitions*. b. Aug. 4, 1898, s. of Motilal Chordia; m. Shrim. Harak Kumar; four s. and four d.; Educ.: The Maharaja's School, Udaipur and Muir Central Coll., Allahabad. Worked as Professor of English, Govt. Morris Coll., Nagpur; visited Egypt as a member of the Indian Press Delegation, 1950-51. Publications: *Seekings and other Poems*; *Chitor and other Poems*; *Divine Indifference and other Stories*. Recreations: Yoga, Philosophy and Literature. Address: 8, Malabar Court, Ridge Road, Malabar Hill, Bombay.

CHOTA NAGPUR: Rt. Rev. George Noel Lankester Hall, Bishop of, since 1936. b. Dec. 25, 1891, s. of George Hall, Baldock, Herts; Educ.: Bedford School; St. John's College, Cambridge, Bishop's College, Oshanaat, 1st Class Classical Tripos pt. I, 1913, pt. II, 1914; 1st Class Theol. Tripos pt. II, 1915; B.A., 1918; Lightfoot Scholar, 1916; M.A., 1918; Deacon, 1917; Priest, 1918, Vice-Principal, Ely Theological College, 1919-26; S. P. G. Missionary, Chota Nagpur, 1925-36. Publications: *The Seven Root Sins*, 1936. Recreation: Idle conversation. Address: Bishop's Lodge, Ranchi, B.R.

CHOUDHARY, Jaglal, ex-Minister for Public Health and Harijan Welfare, Govt. of Bihar. b. 1894 in a toddy tappers' family; m.; Educ.: Patshala in his home village, Dist.

Saran; had a uniformly brilliant career; won scholarships; Medical College, Calcutta. Left Medical College in the sixth year class at the country's call, 1921; has been in political life since 1921; courted imprisonment several times for taking active part in political movements. Address: Ex-Minister for Public Health and Harijan Welfare, Govt. of Bihar, Patna.

CHOUDHURI, Shrimati Kamla, Member, Indian Parliament. b. Feb. 22, 1908, at Lucknow, d. of Man Mohan Dayal, a retired Dy. Collector; m. Dr. J. M. Choudhuri, a leading Homoeopath; two s. and one d. Entered Politics during the civil disobedience movement, 1930; has been in the Congress since then; has courted imprisonment several times; elected member, U.P. Provincial Congress Mahila City and District Congress Cttee.; was one of the Senior Vice-Chairwomen, Reception Cttee. of the 54th Session, All-India Congress; member, Standing Cttee., Ministry of Health & Information and Broadcasting; is a good Hindi writer, her works being translated into other Provincial languages. Publications: *Unmad*; *Penic*; *Yatra*; *Bal-Patra*; *Chetron-me-loriyan*; *Poetry Compositions in Awadhi and Khar Bhasha*, etc. Translation of the Rubayyat of Umar Khayyam. Address: Vineet Kunj, Chipi Tank, Meerut.

CHOUDHURI, Mr. Justice Binay Kumar, B.A., LL.B., Puisne Judge, High Court of Judicature, Nagpur, since Nov. 3, 1951. b. April 2, 1894, s. of Dr. L. N. Choudhuri, Retired Civil Surgeon, M.P.; m. Smt. Alaknanda, d. of K. N. Chaudhuri, Bar-at-Law, Calcutta; two s. and one d.; Educ.: Robertson Coll., Jabalpur; Univ. School of Law, Allahabad. After practising at the Bar at Jabalpur, joined the Judicial Service, 1927; District and Sessions Judge, 1947-51. Recreations: Shikar and all outdoor games specially Tennis. Clubs: Gondwana and C. P. Club, Nagpur. Address: 5, Seminary Hills, Nagpur.

CROWDERY, Radha Krishna, M.A., LL.B., Judicial Commissioner, Himachal Pradesh, since Sept. 1950. b. Nov. 18, 1898, s. of R. B. Chowdhry; m. Smt. Radhika Rani; two s. and one d. Educ.: Allahabad Univ.; took M.A. in English literature standing first in the Univ.; also LL.B. Joined the U.P. Judicial Service, 1925; was District & Sessions Judge, Rampur. Recreation: Tennis. Clubs: The United Services Club, Kanpur; P.N.U. Club, Banaras. Address: "Harvington", Simla 1.

CHUDASAMA, Mansinji M., B.A., LL.B., (Bom. Univ.), Commissioner of Police, Bombay, since 1949. b. April 25, 1905, of a Rajput family; m. Manherkunverba, four s.; Educ.: St. Xavier's College, Bombay; Law College, Poona and Ahmedabad. Joined Imperial Police, Dec. 1929; served as D.S.P. in several districts of the Province and in Thar Parkar District in Sind where he had to deal with the Hur menace; appointed D.I.G.P., N.R., Ahmedabad, 1947; Dy. Inspector-General of Police, C.I.D., Bombay Province, 1948-49; awarded I.P.M. in the same year for long and meritorious service; officiated as I.G.P. for 6 months, 1949-50. Recreations: Tennis, Golf, Swimming, etc. Clubs: Ahmedabad Gymkhana Club, Poona Gymkhana Club, W.I.A.A. Club, Bombay. Willingdon Sports Club, Radio Club, Bombay. Address: Carmichael House, Carmichael Road, Bombay 26.

CHUNDER, Mr. Justice Kamal Chunder, I.O.S., M.A. (Oxon.), B.A. (Oxon.) (Hons.), History, B.A. (Hons.) (Philosophy) (Cal.). Barrister-at-Law. Puisne Judge Calcutta High Court, since Jan. 1949. b. Jan. 4, 1895, s. of the late Raj Chunder Chunder and Sirjuktia Sushila Chunder; m. Gauri Mitter, d. of the late Rt. Hon. Sir B. C. Mitter, Kt., P.C.; two d.; Educ.: Hindu School and Presidency Coll., Calcutta; Pembroke Coll., Oxford; Institute Four jeunes Gens at Neuville,

Switzerland; Fitzwilliam Hall, Cambridge; School for Oriental Studies, London. Asstt. Magistrate and Collector, 1919; Jt. Magistrate and Dy. Collector, 1921; Asstt. Publicity Officer, Govt. of Bengal, 1922; Additional Dt. Magistrate, Mymensing, 1924; Addl. Dt. Judge, Sylhet, 1925; Dt. and Sessions Judge at various districts in Bengal and Assam; Commissioner, Workmen's Compensation, 1940; Acting Judge, High Court, 1946; Addl. Judge, High Court, 1948. Publications: *Ordeal*, a drama staged at the Prince of Wales Theatre, London. Recreations: Gardening; Photography. Clubs: Calcutta Club, Calcutta; Lake Club, Calcutta. Address: 82, Lansdowne Road, Calcutta 26.

CHUNG-HSIEN, H. E. General Yuan, Ambassador Extraordinary and Plenipotentiary of the People's Republic of China to India. b. Feb. 28, 1904, in a worker's family in Changsha, Hunan; Educ.: Graduated from Hwangpu Military Academy, 1924. After several years' service in the Chinese National Revolutionary Army, was promoted Director, Staff Office of the Third Division, Twentieth Army; appointed Chairman, Revolutionary Military Cttee., Chinese Labour and Peasants' Red Army in the East River Region, Kwangtung; was Commander, Plain Column of the Eighth Route Army of the 18th Army Group of the Chinese National Revolutionary Army and also Vice-Commander of the Tzatsung Military District in Shantung during the Resistance War against Japan; Army Corps Political Commissar, Chinese Liberation Army, Chief of Staff, East China Milly. Area and Chief of Staff, 3rd Field Army of the Chinese Liberation Army, 1946-49; was Commander and Political Commissar, Nanking Garrison. Address: Embassy of the People's Republic of China to India, New Delhi.

CLUTTERBUCK, H. E. Sir (Peter) Alexander, G.C.M.G. (1952), M.C., F.R.G.S., F.Z.S., High Commissioner for the United Kingdom in India. b. 1897, s. of Sir Peter Clutterbuck, C.I.E., C.B.E., etc.; m. Dorita, yr. d. of Francis Seymour Weldon, 1921; one d.; Educ.: Malvern Coll. (Scholar); Pembroke Coll., Cambridge (Scholar). Served European War, Coldstream Guards, 1916-19; entered Civil Service, 1919; Colonial Office, 1922; Secy., Donoughmore Commission on Ceylon Constitution; P.S. to Permanent Under-Secy. of State, Dominions Office, 1927-28; Member of U.K. Delegation to League of Nations Assembly, 1929; Secy., Newfoundland Royal Commission, 1933; Deputy High Commissioner in South Africa, 1939-40; High Commissioner in Canada, 1946-52. Club: Travellers', United Univ., Rideau (Ottawa). Address: C/o Commonwealth Relations Office, London; High Commissioner for U.K. in India, New Delhi.

COELHO, Vincent W., B.Sc. (Hons.), Consul-General of India, Goa. b. July 20, 1917; Educ.: Presidency College, Madras. I.A. & A.S.; Under-Secy. to the Govt. of India, Ministry of Finance; Under-Secy., Cabinet Secretariat; Private Secy. to the Prime Minister; First Secy., Indian Legation, Berne; Indian Govt. Trade Commissioner, Egypt. Address: Altinho, Panjim, Goa.

COOMARASWAMY His Excellency Chinna-ppah, C.B.E. (June 1949), High Commissioner for Ceylon in India, since Oct. 1949. b. Aug. 25, 1887, s. of the late A. Chinnaappah of Jaffna, Ceylon; m. Mankayarkarasi, d. of the late M. Sabapathy Mudaliyar, Ceylon; three s. and one d.; Educ.: Hindu Coll., Jaffna; Royal Coll., Colombo. Was appointed to the Ceylon Civil Service, April 1910; held various Judicial and Executive appointments as Magistrate, Dist. Judge, Registrar-General and Govt. agent; retired as Govt. Agent of the Northern Province, April 1947; appointed to the Senate of Ceylon, Oct. 1947; has acted occasionally as Pres. of the Senate. Address: No. 3, Hardinge Avenue, New Delhi.

COOPER, Jal Manekji, F.R.G.S., Member, British Philatelic Association Ltd.; Hon. Secy., The Empire of India Philatelic Society. *b.* March 29, 1905; *m.* Tehml, *d.* of Hormusji Cawasji, one *d.* Member, Glasgow Philatelic Society, Philatelic Traders' Society, The Air Mail Society, etc.; Editor and Publisher of "India's Stamp Journal" (a monthly Philatelic Magazine); Auctioneer and Philatelic Valuer; Dealer in Rare Stamps and all kinds of Philatelic accessories. *Publications:* *Indian Rocket Mails, Early Indian Cancellations, Stamps of India, India used in Burma, used Abroad.* *Address:* Standard Building, Hornby Road, Bombay.



and India Standard Building, Hornby Road, Bombay.

COOPER, Dr. Rustom Nusserwanji, M.S. (Lond.), F.R.C.S. (Eng.), Hon. Principal Medical Officer, Bai Jerbal Wadia Hospital for Children. *b.* April 3, 1893; *Educ.:* Bombay and London. Surgeon; Hon. Consulting Surgeon, K.E.M. Hospital, and Lecturer, Emeritus in Surgery. *Publications:* Articles in Indian surgical journals. *Recreations:* Golf; Amateur Cinematograph. *Clubs:* Willingdon Club and Cricket Club of India, Bombay. *Address:* Marshall Lodge, Cumballa Hill, Bombay.

COSSIMBAZAR, Maharajkumar Somendra Chandra Nandy, M.A., Head of a premier Zamindar family of Bengal. *b.* 1928, *m.* Smt. Ratna Majumdar, M.A., *Educ.:* Calcutta Univ., M.A., 1950. Pres. Governing Body, Krishnath Coll. (Berhampore), Maharaja Manindra Chandra Coll. (Calcutta), Maharaja Cossimbazar Polytechnic Institute, Calcutta; Krishnath Coll. School (Berhampore), Maharani Kasturba Girls' School, (Berhampore), Manindra Chandra Vidyalaya (Saidabad), Maharaja Sri Chandra Girls' School (Saidabad), Pres., Central Calcutta Rifle Club, Member, British Indian Assoc.; Director Bengal Potteries Ltd., Manindra Mills Ltd., Rajgaon Stone Co., Ltd., C. B. Syndicate Ltd.; Sealdah Cold Storage & Transport Ltd., Indian Economic Insurance Co., Ltd., C. B. Chemicals Ltd.; Berhampore Electric Supply Co., Ltd.; Proprietor: Maharaja Cossimbazar China Clay Mines (Singhbhum) Maharaja Cossimbazar Stone Works (Nalhati); is an all-round sportsman, taking particular interest in Cricket and Football. *Address:* "Sreepur Palace," P.O. Cossimbazar Raj, Murshidabad; "Cossimbazar House," 302, Upper Circular Road, Calcutta 9.



COUSINS, James Henry, b. Belfast, Ireland, July 22, 1873; *Educ.:* Various schools in Ireland and partly in Trinity College, Dublin. Private Sec., Lord Mayor of Belfast; Literary Editor, "New India," Madras; Principal Theosophical College, Madanapalle, 1916-21 and 1933-37; Principal, Brahmavidya Ashrama, Adyar, Madras, 1922-28; Professor of English Poetry, Keiojinku University, Tokyo, 1919-20, and College of the City of New York, 1931-32; Organiser of Indian Art Galleries, Mysore, 1924, and Trivandrum, 1935; Head of the Department of Fine Arts, Travancore University, Art Adviser to the Government of Travancore, 1934-48; Lecturer on Indian Art and Culture in India, Japan, Europe and America; a co-founder of the Irish Literary and Dramatic Revival, 1900, etc. *Publications:* Twenty-two books of poetry and drama, collected in an Indian edition (Kalakshetra, Madras, 1940); twenty-two books of prose on art, education, philosophy, etc., summarised in *A Study in Synthesis* (Ganesh, Madras, 1934). *Address:* "Sevashrama," Adyar, Madras 20.

COYAJEE, Mr. Justice Naradosang Hormazdgar, Judge, High Court, Bombay, since 1943. *b.* Nov. 24, 1897, *s.* of Hormazdgar Coyajee, M.A., LL.B., Advocate (O.S.); *Educ.:* John Connon High School; Univ. of Bombay; B.A., 1919; B.Sc. (Econ.) (Lond.), 1923; Barrister-at-Law, Lincoln's Inn. Sometime Lecturer in Law and Officiating Principal and Perry Professor of Jurisprudence, Govt. Law College, Bombay. Advocate (O.S.), High Court of Bombay. *Clubs:* Willingdon Sports; Ripon, Bombay. *Address:* High Court, Bombay; Rylstone, Carmichael Road, Bombay 26.

CROCKER, Walter Russell, M.A. (Oxon.), High Commissioner for Australia in India, since 1952. *b.* March 25, 1902, *cl. s.* of Robert Crocker, Sheep-farmer, Parnaroo, South Australia; *m.* Claire, *gr. d.* of J. F. Ward, Headmaster of Prince Alfred College, Adelaide, South Australia; two *s.*; *Educ.:* Univ. of Adelaide; Balliol Coll., Oxford; Stanford Univ., U.S.A. British Colonial Service (Africa), 1930-34; Farming in Australia, 1934-35; League of Nations, Geneva (Secretariat and I.L.O.), 1935-39; Army, 1939-45, Lt.-Col. Croix de Guerre and Belgian Order Royal du Lion; served under Mr. R. G. Casey, Governor of Bengal, Grain Collection Scheme, 1945-46; Farming in Australia, 1946-47; U.N.O. Secretariat (Chief of Africa Section), 1947-49; Professor of History, Australian National Univ., 1949-52. *Publications:* *The Japanese Population Problem; Nigeria; Critique of Colonial Administration; On Governing Colonies; Self-Government for the Colonies; Recreations:* Ski, Tennis, Gardening. *Clubs:* Reform Club, Pall Mall, London; Gymkhana, Delhi. *Address:* High Commissioner for Australia, Connaught Place, New Delhi 1.

CUNDO, Quexova Sinal, b. May 7, 1917, *s.* of Esvonta Sinal Cundo and Mrs. Laxmibai *m.* Smt. Annasaya, *d.* of Mr. and Mrs. Mukundrao Kirtane; three *s.* and one *d.*; *Educ.:* Goa in Portuguese. Worked actively as solicitor, entered business namely imports and sales of automobile accessories and also mining in Goa; knows Portuguese, Marathi, English and Konkani; widely travelled in India. *Address:* P.O. Box No. 72, Margao (Goa).



CURSETJI, Khan Saheb Karanjawala Sorab, Indian Police Medal, Retired Police Officer. *b.* May 28, 1888, *cl. s.* of late Khursetji Shapurji Karanjawala, a prominent Engineer, Ahmedabad and Ratanbhai, *m.* Perl, *d.* of Mr. A. M. Jumsedji Nowroji of Managalore; two *s.* and two *d.*; *Educ.:* Govt. High School, Ahmedabad. Joined Bombay Police, 1909; appointed Superintendent of Police, Gujarat State Agency, 1930, after retiring, served as Commissioner of Police, Ratlam State, awarded Indian Police Medal for meritorious service, 1939; retired from Govt. of India Service, 1945. *Recreations:* Reading, Music. *Address:* Khanpur Road, Ahmedabad.



da COSTA, Albert F. W., Major, D.T.M., F.R.C.S., V.D. b. Jan. 13, 1889; *m.* Emilia, *du* Rocha Heredia; *Educ.:* Bombay, L.M. & S.; Calcutta, D.T.M.; Edinburgh, F.R.C.S. Entered M. P. Medical Service, 1913; Commissioned I.M.S., 1914; served as Medical Officer 2,9th Gurkha Rifles, World War I, Third Afghan War and Frontier Expeditions; Lecturer in Midwifery, Gynaecology, Pediatrics, Hygiene, Surgery and Eye, Ear, Nose and



Throat in Robertson Medical School, Nagpur, 1921; Civil Surgeon, M. P., 1927; retired 1938, with the rank of Major; General Secretary, Catholic Union of India; member, All-India Medical Services Association, Bombay Medical Union and former member of British Medical Association; recipient of Volunteer Officer's Decoration, 1929; was decorated by His Holiness The Pope Plus XII with the "Bene Merenti" Gold Medal, May 30, 1950. *Hobbies:* Photography and Sport. *Publications:* *Entire absence of the Uterus; Atresia of the Vagina and Cervi Uteri; Tonsils and Adenoids; Cholera; Strangulated Hernia.* *Address:* Chateau d'Emilia, Kamptee Road, Nagpur 1.

DABOO, Raj Priya Dinshaw Rattanjil, B.A., M.L.C., Bombay State, former Naib Dewan and member, Executive Council of Baroda State. *b.* 25th Sept. 1885.



Daboo family founded the Parsee General Hospital, Daboo Students' Hostels, and several other charitable and religious institutions. Himself, besides his other charities, gave a lakh of rupees to found a Girls' High School at Navsari to commemorate the name of his late mother Bai Dinbai; *m.* Mrs. Jorbal, *d.* of Dr. Munerji Jamsaji Mistry, Retd. Civil Surgeon, Nov. 1, 1923; *Educ.:* Elphinstone College, Bombay. Joined his father's business of Forest and Public Works contracts. Toured Europe in 1912. Was Director, The Associated Cement Cos., Ltd., Tata Hydro-Electric Co., Ltd., Andhra Power Co., Ltd., Devkanar Nanji Investment Co., Ltd., The Navsari Electric Supply Co., Ltd.; Ex-member, Indian Council of Agricultural Research; Director, The Powell Industries Ltd.; Member, Baroda Legislative Council, 1918-25, again from 1940 to 1948. Appointed Development Minister in accordance with new Baroda Constitution in 1944 by H. H. Gaekwar. Member, Navsari Municipality, 1914-1942, its first elected President, 1923-1925, again 1934-1936. Member, Navsari District Board, 1917-1942, its Vice-President, 1918-1925, its first elected President in 1939. Director, District Co-operative Bank, 1922-1942, its first elected President 1925-1942. Founded District Land Mortgage Co-operative Bank in 1936 and its President, 1936-1942. Was member, Baroda Banking Inquiry Committee, Baroda Education Board, Agricultural Improvement Committee, Baroda Economic Board, Central Communication Board, and almost all other committees appointed by the Baroda Government to advise the State in its administration. Was given a civic address by the public of Navsari for selfless services to people in 1925. Was awarded titles of Raj Bhushan in 1927, Raj Ratna in 1936 and Raj Priya in 1943. Was awarded Gold Medal on the occasion of H. H. the late Maharaja's Diamond Jubilee. *Address:* Loonsalvi, Navsari (Western Riv.).

DADACHANJI, Naziman Merwanji, M.Sc. Tech. (Manchester), M.Sc. (Benares), Partner, American Colour & Chemical Co., Kumar Colour Trading Co., United Corporation, *b.* Oct. 31, 1913, *s.* of Dr. Merwanji H. Dadachanji, Medical Practitioner; *m.* Arnavaz N. Dadachanji; *Educ.:* Benares Hindu Univ. and Coll. of Technology (Manchester). Conducts an up-to-date laboratory for commercial testing of dyes and chemicals; has travelled extensively on the Continent and U.S.A. on business; Vice-Pres., Bombay Colour & Chemical Merchants' Assoc. *Publications:* Thesis written on *The Fading of Naphthols and Bleaching of Textile Fibres by Pressurized Oxygen* at Manchester University. *Clubs:* W.I.A.A.; National Sports Club of India. *Address:* 69C, Ashiana, Breach Candy, Bombay.



DAHANUKAR, Dattatreya Mahadeo, Director: The Maharashtra Sugar Mills Ltd.; M. L. Dahanukar & Co. Ltd.; New Asiatic Insurance Co. Ltd. b. Dec. 21, 1911, s. of M. L. Dahanukar; m. Malati Pradhan; one s.; *Educ.*: Bombay Pres., Deccan Sugar Factories Assoc. for 1952-53; Member, The Indian Merchants' Chamber and The Maharashtra Chamber of Commerce, Bombay. *Recreations*: Swimming, Golf, Bridge, etc. *Clubs*: Willingdon Sports Club; Cricket Club of India Ltd.; Bombay Presidency Radio Club. *Address*: Office: Industrial Assurance Building, opp. Churchgate Station, Bombay 1; *Residence*: "Ratanakur," Indrajai Road, Malabar Hill, Bombay 6.



DAHANUKAR, Mahadeo Laxman, Managing Director, M. L. Dahanukar & Co., Ltd., Managing Agents, The Maharashtra Sugar Mills Ltd., and The Belvandi Sugar Farm Ltd. m.; three s. working with him in his business. Director, Dahanukar Sons Ltd., New United Construction & Eng. Co. Ltd., The Amrut Oil Mills Ltd., The United Commercial Bank Limited, The Hindustan General Insurance Society Ltd., The Great Social Life and General Assurance Ltd., ex-Sheriff of Bombay; ex-President, The Maharashtra Chamber of Commerce; Employers' delegate to the International Labour Conference, Geneva, 1939; Ex-member of the Committee of the Indian Merchants' Chamber, the Federation of Indian Chambers of Commerce & Industry, Indian National Committee of the International Chamber of Commerce, All-India Organisation of Industrial Employers; Provincial Housing Advisory Committee, Regional Disposal Advisory Committee, Bombay and other Govt. Bodies; member: Employers' Federation of India; Board of Trustees, Bombay Port Trust; Councillor, Bombay Municipal Corporation (1932 to 1939), and Bandra Municipality (1930-84); takes active part in all commercial, industrial and social activities. *Address*: Shree Sadan, Carmichael Road, Cumballa Hill, Bombay; Industrial Assurance Building, opp. Churchgate Station, Bombay.



DALAL, Merwanjee Bomanjee. b. 12th October 1901. Entered London School of Economics and Political Science, 1919.



Son of the late Bomanjee Merwanjee Dalal and nephew of Sir Dadiba Merwanjee Dalal, C.I.E., High Commissioner for India in 1923. After completing his education joined the firm of Messrs. Merwanjee & Sons and was one of its two active partners. He is now running a similar business in his own name. *Address*: 45-47, Apollo Street, Fort, Bombay.

DALAL, Manockji Nadirshaw, Industrialist and Chartered Civil Engineer, Sheriff of Bombay, 1954. b. January 7, 1905; Member, Royal Institute of Civil Engineers, London; Fellow, Incorporated Assoc. of Architects and Surveyors (London); Charles Hawkesley Prize, 1931, by the Royal Institute of Civil Engineers (London); after a period of service with British firms, returned to India, 1932; Member of the Court, Univ. of Delhi; member, Council of State for nine years; Chairman,



Council of State; Vice-Pres., the Indian Branch of the Dominion Parliamentary Assoc. at Delhi; served on almost all Advisory C'tees. of Ministries of the Govt. of India, like the Industries and Civil Supplies C'tee., Supply and Munitions Production C'tee., Central Advisory Council of the Railway Board, Civil Defence C'tee., Food C'tee., Central Food Council, Roads C'tee., Commonwealth Relations C'tee., Central Consumers Council, etc.; member, Ex C'tee., Anti-Tuberculosis Assoc., Delhi; Secy., the Engineering Industries Sub-C'tee. of the National Planning C'tee., 1939, etc.; Chairman, M. V. Taxation Enquiry C'tee., appointed by the Govt. of India, 1950; Pres. and member of Council, Indian Roads and Transport Development Assoc., India; Dir. representing India on the International Road Federation; in Bombay served on the Board of Communications, Provincial Transport Authority, Traffic Advisory Board, Famine Relief C'tee., Food Council, Food Advisory Board, Western Railway, Local Advisory Council, etc.; member, Executive C'tee. of the Indian Merchants' Chamber; Director, important public companies like Insurance Co. and Industrial concerns. *Address*: No. 3, Coffee Parade, Bombay 5.

DALMIA, Jaidayal. b. 1905, younger brother of Seth Ramkrishna Dalmia; m. Shrinati Krishna; 7 s. and 2 d.; *Educ.*: Privately.

A leading industrialist and an able executive; has wide knowledge of machinery and plant; keenly interested in mass literacy, labour problems and maternity welfare; has travelled in India and Europe; has visited workshops of many important machinery manufacturers in Great Britain and the Continent and has good experience of different processes of cement manufacture; a keen student of mechanical and electrical engineering; Chairman, Dalmia Cement (Bharat) Ltd. *Hobbies*: Industrial Chemistry, Numerology, Tennis, Photography. *Address*: 2, Harding Avenue, New Delhi.



DALMIA, Seth Ramkrishna. b. April 7, 1893, s. of Seth Harjimal, one of the biggest industrialists and financiers; his ancestors, noted for their love of spiritual service, belonged to Dalmia, a village in the Punjab States, from where they migrated to Rajputana; *Educ.*: Without the help of a tutor, by reading books in leisure time, practical experience and natural gift, acquired knowledge specially in finance, banking, commerce, economics and philosophy; also acquired good knowledge of Hindi,



Bengali, Gujarathi and English, all of which he speaks well and with ease; well read in Hindu scriptures; started career at the age of 12 on Rs. 10 per mensem, as an apprentice with his maternal uncle; is the founder of the Dalmia-Jain Group of Industries consisting of many companies including banks, insurance and investment companies, chains of cement and sugar factories, chemicals, biscuit factories, aviation companies, railways, collieries, publishing house and newspapers, some of the important companies being Bennett, Coleman & Co. Ltd. (*The Times of India*, *Evening News*, *Illustrated Weekly of India*, *Filmfare*) (English), *Nav Bharat* and *Dharmayug* (Hindi), Bharat Insurance Co., Ltd., Patiala Biscuit Manufacturers Ltd., Dalmia-Dadri Cement Ltd., Allahabad Law Journal Co., Ltd., Allen Berry & Co., Ltd., Jaipur Dyfco Ltd., Sawai Madhopur, Delhi Glass Works Ltd., etc., has now distributed most of the concerns between his brother and son-in-law,

keeping just a few in his hands; had numerous ups and downs in his career but his steadfastness and strong will power raised him to his present position; commencing his industrial career 15 years ago, he is today one of the biggest industrial magnates in the country; his industrial enterprises are of public benefit and utility, and his centres of activity have grown into self-sufficient towns, named after his ancestors and relations—Dalmianagar (Bihar), Dalmiapuram (South India), Dalmia-Dadri (P.E.P.S.U.), Ramkrishna Lok, Sawai Madhopur (Rajasthan), and Shantinagar (Karachi, Pakistan); one of the biggest philanthropists, his charities include schools and other institutions such as hospitals, widows' homes, poor houses, and religious institutions being run by Dalmia Jain Charity Trust, Bhuruguraj and Yogiraj Charity Trust and Dalmia (Jind State) Trust, eats the plainest food and wears cheap and unostentatious clothes confining his personal expenses to the bare necessities of life; his connections are widespread and he is on terms of close friendship with leading politicians, religious and social leaders; a staunch Hindu, orthodox in his living and having implicit faith in his own religion, he has respectful regard for other religions; took up the cause of protection of cows and the realisation of his dream of "seeing one day the abolition of territorial systems all owing allegiance to one Flag, one God, speaking one language, having at least bread, clothing and shelter without discrimination, leading simple, happy, contented, and peaceful life realising Supreme Bliss—'Godhead'." *Hobbies*: Study of Hindu Philosophy and propagation of Adwait. *Address*: Dalmia House, New Delhi.

DAMLE, Sadashiv Chintaman, M.Sc., F.I.A. (Lond.), M.Sc. 1st Class (Allahabad), B.Sc. 1st Class with Honours in Cox Gold Medal, Hon. Secy., Treasurer, Actuarial Society of India, Consulting Actuary. b. August 8, 1908, at Banaras; m. Indulal, d. of Gopal Ganesh Athavle, Cloth Merchant, Bombay, 1940; *Educ.*: Harish Chandra High School, Banaras; Queen's Inter College, Banaras; Muir Hostel, Allahabad Univ.; Univ. Research Scholarships and D.Sc. Research Scholarship, Department of Mathematics, Allahabad Univ., 1935-37. Member, Working C'tee., Allahabad Univ. Mathematical Assoc., 1929-30; General Secy., Muir Hostel, Allahabad Univ., 1930-31; worked in Great Social Life and General Assurance Co., Ltd., Bombay, 1941-42; and was the General Manager from Aug. 21, 1941; Progress Officer, Directorate-General of Supply (Govt. of India), Jan. 1943-Dec. 1945; Hon. Secy. and Treasurer, Actuarial Society of India, since 1951. *Publications*: *The Z-Method for the Representation of Multiple-Life Contingencies in terms of last Survivor Statuses*; published in the "Journal of the Institute of Actuaries Students' Society, London" (Vol. IX, July, 1950); other articles and mathematical notes published in India. *Address*: 1st Floor, 918, Cawasji Patel Street, Fort, Bombay 1.

DAMODARAN, Govindaswami Rangaswami, B.Sc. (Mech Elec.) (Durham), M.I.E.E. (Lond.), M.I.E. (India), M.P., Principal and Prof. of Mechanical Engineering, P. S. G. and Sons' Charities Coll. of Technology, Peelamedu, Coimbatore Dist., b. Feb. 20, 1915, at Coimbatore, s. of late Dewan Bahadur P. S. G. Rangaswami Naidu; m. Smt. Rukmani, 1943; one s.; *Educ.*: Sarvajana High School, Peelamedu; Govt. Arts Coll., Coimbatore; King's Coll., Durham (Eng.) Director, P.S.G. and Sons' Charity Industrial Institute, Peelamedu; member Indian Standards Institution (Electrical Section), Board of Studies in Engineering of Madras and Anna-Malai Univ.; Board of Studies in Textile Technology, Travancore Univ.; Syndicate, Senate and Academic Council, Madras Univ.;



Lawley Institute, Ootacamund; Pres.: Social Service League, Coll. of Technology and Arts Coll.; South India Engineering Manufacturers' Assoc.; Inter-Collegiate Athletic Assoc., 1951-52; Editor, "Kalakathir", a Tamil Scientific (Tech.) Monthly; Chairman, Development Council (Internal Combustion Engines and Power Driven Pumps), Govt. of India, 1953. *Recreations*: Tennis; Music. *Clubs*: Rotary Club and Cosmopolitan Club, Madras. *Address*: "Ambarangani" Kainaraja Nadar Road, Redfields, Colimbatore (South India).

DAMRY, Purvis Nadirshah, B.A. (Hons.) (Oxon.), M.A. (Oxon.), I.A.S., Commissioner of Labour, Bombay State, since 1950. District Magistrate, Ahmedabad. b. March 13, 1914, s. of Dr. and Mrs. N. D. Damry; m. Zarine Kothavala; one d. and one s.; *Educ.*: St. Paul's School, London; Christ Church, Oxford. Joined Bombay Civil Service, 1937; Collector and D. M., East Khandesh, 1944; Collector and D. M., Sholapur, 1945; Collector and D. M., Ahmedabad, 1947-50. *Recreations*: Study of Greek Vase-Painting. *Clubs*: Dhulla Club, Sholapur Club, Jalgaon Club and Ahmedabad Club. *Address*: C/o Secretariat, Bombay.

DANDEKAR, Gopal Ganesh, L.M.T. (Baroda), Mechanical Engineer, Bhiwandi (Thana Dist.), b. 1885; *Educ.*: Kala Bhuwan Technical Institute, Baroda. Founder and Managing Director, G. G. Dandekar Machine Works Ltd., Bhiwandi; Sole Director, Dandekar Engineers Ltd., Bhiwandi; elected Pres., Maharashtra Chamber of Commerce & Industries, Poona, 1950-51; travelled widely in the United Kingdom and Europe, 1948; member, State Advisory Council of Industries, Bombay, 1953. *Address*: Bhiwandi (Thana District), Via Kalyan.



DANDEKAR, Narayan, I.C.S., B.Sc. (Econ.), (London) (Hons.), B.Com. (London) (Hons.), A.S.A.A. (Hons.), A.C.A. (Eng.), A.C.A. (India); Ex-Joint Secy., States Ministry, Govt. of India. b. June 24, 1908, s. of M. K. Dandekar (deceased), Madras; m. Manofama (nee Sushila Kibe), d. of Sardar Kibe, Indore; three s.; *Educ.*: St. Mary's European High School, Madras; Univ. Coll., Colombo, Ceylon; London School of Economics, London; School of Oriental Studies, London. Joined the I.C.S., 1931; Commissioner of Income-Tax (1941-44), at Calcutta and then in Punjab, Delhi and N.W.F. Provinces (1944-46); on special duty with the Central Board of Revenue (1946-47); Commr. of Income-Tax, Bengal (1947-48); Member, Central Board of Revenue (1948); Joint Secy., States Ministry (1948); member, Expert Cttee. to enquire into Finances of Indian States; appointed member, Cttee. on State Trading, Oct. 1949; services placed at the disposal of the Scindia Steam Navigation Co., Ltd., Bombay, Nov. 1949; *Clubs*: Presidency Club, Madras; Calcutta Club and '300' Club, Calcutta; Boshanara and Delhi Gymkhana, New Delhi; Lahore Gymkhana; Radio Club, Bombay. *Address*: C/o 'Scindia House,' Ballard Estate, Bombay.

DANDNAIK, Gajubhai Parashottam, B.A. LL.B., General Manager, The Aryodaya Ginning & Mfg. Co. Ltd., Ahmedabad, a leading unit of Sheth Mangaldas group of mills, since 1945. b. Aug. 30, 1909, m. Smt. Jayaben Dandnaik, one s. and three d.; *Educ.*: Baroda and Ahmedabad; was a companion to Sir Pratapsingrao (Jaekwar), the Highness of Baroda during study and was awarded scholarship. Began practising at the Bar at Baroda, 1935; was a successful practitioner both at High Courts and Dist. Courts; conducted cases in



Kaira District also; joined Textile Industry as Secy. in one of Sheth Kashturbhai Lalbhai's Mills at Ahmedabad, 1938; quickly rose to the position of Manager; was on the Mg. Cttee. of the Ahmedabad branch of the Textile Assoc. of India and also on various Cttees. of the Central Textile Assoc. of India; has presided over lectures conducted under the auspices of this Assoc. *Recreations*: Reading, specially books on scientific theory, textile manufacture, Income Tax & Company Law; Long Drives. *Address*: Lallwala Building, Maninagar Four Roads, Ahmedabad.

DANGE, Shripad Amrit, General Secretary, All India Trade Union Congress. b. Oct. 10, 1899; has two d.; *Educ.*: Bombay. Member, Central Cttee. and Political Bureau of Communist Party of India; Vice-Pres., World Federation of Trade Unions; courted Jail for over 13 years under the British Govt. and the Congress Govt. for conducting strikes, struggles and political activities on behalf of the Communist Party. *Publications*: *India from Primitive Communism to Slavery*, 1949; *Idol Pound*, 1928; *Gandhi vs. Lenin*, 1921. *Address*: 9, Kohinoor Road, Dadar, Bombay 14.

DAPHTARY, Chandra Kisan, M.A. (Cantab.), Bar-at-Law, Solicitor-General, Govt. of India, since July 1951. b. April 1, 1893; m. Sushila, d. of the late A. C. Chatterjee, Officer, League of Nations Staff; *Educ.*: St. Paul's School, London; Magdalene Coll., Cambridge; called to the Bar, January 1917. Advocate, O.S., High Court; Advocate-General, Bombay till July 1951. *Address*: 68-E, Nepean Sea Road, Bombay; New Delhi.

DAS, Mr. Justice Bachu Jagannadha, M.A., M.L., Judge, Supreme Court of India. b. July 27, 1893; *Educ.*: Madras. *Address*: Judge, Supreme Court of India, New Delhi.

DAS, Debesh Chandra, I.C.S., B.A. (Honours), Secretary, Union Public Service Commission, since August 1951. b. Sept. 1, 1911; *Educ.*: Calcutta and London Universities; first class first in English Honours; Middle Temple, London. Entered the I.C.S., by open competition, 1934; Under-Secy. to the Govt. of Assam, Home and Political Depts., 1938-40; Under-Secy. to Govt. of India, Home Dept., 1940-43; Deputy Secy. to Govt. of India, Home Dept., 1944-47; Civil Passage Controller, Govt. of India, 1946; rejoined Assam Govt., 1948; Additional Chief Secretary and Development Commissioner, Govt. of Assam and Chief Secretary Govt. of Assam; Pres., All India Bengali Literary Conference. *Publications*: *Premia Rag*, a book of love lyrics, and *Europa*, a book on Europe in Bengali with foreword by Tagore and in Hindi with foreword by President Rajendra Prasad. *Recreations*: Music, Photography and Literature. *Club*: Delhi Gymkhana Club. *Address*: New Delhi.

DAS, Mr. Justice Gopendranath, M.A. First Class, B.L. First Class First Judge, High Court, Calcutta. Is the s. of Chandra Sekhar Das and Bidhu Mukhi; m. Manimala Das; four s. and one d.; *Educ.*: Presidency Coll. and Univ. Law Coll., Calcutta; Research Scholar, Mathematics and Law. Advocate, High Court, Calcutta; Lecturer, Law Coll., Calcutta. *Publications*: *Principles of Equity*. *Recreation*: Gardening. *Address*: 125, Vivekananda Road, Calcutta.

DAS, Jagannath, M.A. (Calcutta Univ.), Landed Proprietor; Member, Indian Parliament. b. 1893, s. of late Radhashyam Das; m. Shreemati Promila Devi, d. of Rai Bahadur Rajkisor Das of Cuttack; one s. and one d.; *Educ.*: Cuttack Ravenshaw College and Calcutta University. Was managing his own Estate, 1921-27; became Executive of Balasore District Board, 1927; Member, Bihar and Orissa Legislative Council, 1930-35; member, Orissa Legislative Assembly, 1936-45; courted jail in the struggle for Independence, 1940-Aug. 1946; member, Central Legislative Assembly, 1946-47. *Recreations*: Agri-

culture. *Address*: Village and Post Kanteipari, via Rambag, Dist. Cuttack, Orissa, E. Ry.

DAS, Kameswar, M.Sc., B.L., Univ. medal and prize holder, Advocate, Assam High Court; Ex-Chairman, Assam Public Service Commission, b. March 1, 1893, s. of Banerwar Das and Promila; m. Choudhury Gayatri; three s. and two d.; Educ.: High School, Barpeta; Cotton College; Dacca College; Univ. and Ripon College. Accounts Officer, Tata Industrial Bank, Calcutta (1919-20); business (1920-23); legal profession (1923-47); elected twice M.L.C., Assam (1927-29); resigned, Jan. 1930 on Congress direction; Chairman, Barpeta Local Board (1930-32); M.L.A., Assam (1937-47); resigned, Oct. 1947; Imprisoned; Satyagraha (1940-41), Aug. 1942 Movement (1942-44); interned (1944-45); Founder Secy. and Principal, Barpeta M.C. College (1939-47); Founder Pres., Bajali High School; ex-Pres., D.C.C., Barpeta; ex-Member, A.P.C.C.: A.I.C.C.; Promoter, ex-Director, Bhaskar Insurance Co. Ltd., Promoter, ex-Director, Assam Industrial Corporation Ltd.; ex-Member, Y.M.C.A., Calcutta; ex-Secy. and President, Edward Public Library, Barpeta. *Address*: Gauhati, Assam.

DAS, Nabagopal, Ph.D. (Econ.) (Lond.), I.C.S., Secretary, Commerce and Industries Dept., West Bengal. b. 20th Feb. 1910; m. Uma Gupta, 1934; *Educ.*: Calcutta University and London School of Economics, University of London; Lord Irwin Gold Medalist, Hireswar Mitter Gold Medalist and Griffith Memorial Prizeman (Arts). In the I.C.S. since 1932; served in the districts in Bengal and also in the Bengal Secretariat as Special Officer, Finance Department, and Employment Adviser, Agriculture and Industries Department; Agricultural Marketing Adviser to the Govt. of India, 1941-43; Secretary, Post-War Reconstruction Cttee., Govt. of Bengal, 1944-45; Regional Director of Resettlement and Employment, Bengal and Assam, 1945-47; Dir. General of Resettlement & Employment, Ministry of Labour, Govt. of India, 1947-52. *Publication*: *Banking and Industrial Finance in India; Industrial Enterprise in India; Industrial Planning—Why and How; Agriculture in India—Past, Present and Future; Unemployment, Full Employment and India; Indian Industrial Labour*; a number of novels and short stories in Bengali. *Address*: C/o Grindlays Bank Ltd., 6, Church Lane, Calcutta.

DAS, Pandit Nilakantha, M.A., Post and Editor, b. August 5, 1884; m. Srimati Radhamani Debi (1905). Founded residential open air private High School at Satyabadi on new lines; social work in flood and famine; appointed by Calcutta University to Post-graduate Professorship in 1920; joined Non-co-operation; imprisoned four times, fined heavily; became Provincial Congress President, Utkal, and President, Utkal All-Party Conference; elected Chairman, Reception Committee, I. N. Congress, Puri Session; Member, Delhi University Court for 6 years; Chairman, Orissa University Committee; M.L.A. (Central), 1924-30, again from 1935-45; M.L.A. (Orissa), 1952. *Publications*: Books for children on new lines; Critical Treatises, Essays, etc.; a new thesis on the Gita with commentary; Evolution of Oriya Literature. *Address*: Editor, the *Nababharat*, Cuttack 2; Village and P.O. Sriramechandra-pur, Dist. Puri, Orissa.

DAS, Omeo Kumar, B.A., Minister for Labour and Education, Govt. of Assam, b. 1896, at Tespur; m. Sita Puspapati Das, M.A., 1942; Educ.: B.A. in 1917; joined Law College, but gave up studies in 1920 movement. Started his career as a journalist on a Calcutta daily; edited *Banhi*, a cultural monthly magazine of Gauhati; was editor of Weekly *Assamiya*, an Assamese weekly of Gauhati; one of the student leaders of Assam since 1916; joined Non-Co-operation movement in 1920-21; imprisoned in 1930 movement; again jailed in 1932, 1941, 1942 and detained 600

1945; member of the A.P.C.C.; member, Constituent Assembly till 1947 when he resigned after his inclusion in the Assam Ministry; elected to Assam Assembly, 1937; again elected in 1948; led the Indian Delegation to I.L.O. Conference, Geneva, 1949; Food and Agriculture Minister, Assam, till 1952. *Publications:* Gandhi's *My Experiments with Truth* in Assamese. *Address:* Tezpur, Shillong (Assam).

DAS, Smt. Pushpa Lata, M.A. (Political Science) (Andhra Univ.). Member of Parliament. *b.* March 1927, *d.* of Rameshwar Sulkia and Smt. Swarnalata Salkia; *m.* Omeo Kumar Das, Minister of Education and Labour, Assam; one *d.*; *Educ.:* Panbazar Girls' High School, Banaras Univ. Coll., Andhra Univ. Coll. and Karal Law Coll. Joint Secy., Assam P. C. C. (Women's Section); member, Women's Sub-Committee of National Planning Committee; Pres., Girl Students' Federation; Executive Committee of the Assam



Students' Federation; member, A.S.I.L., 1947; participated in individual Satyagraha movement, 1941; was arrested and imprisoned for one month; courted jail for three and a half years, 1942; Sub-editor of "*Jayanti*" (Women's Section Monthly). *Publications:* *Manasaktikar Chakut Sishu, Humniah, Dihakar Nagan, Chinar Sadhu, Mukti Avijan. Recreations:* Music, Spinning and Gardening. *Address:* Shillong, Assam.

DAS, Ramnath, B.L., Minister-in-Charge of Forests, Electricity, Legislative and Press, Government of Assam. *b.* 1910, at Nazira, Assam; *Educ.:* Cotton College, Gauhati; B.A., 1932; B.L., 1935. Elected member of Assam Legislative Assembly, since 1936; joined the Congress Coalition Ministry, 1938; resigned, 1939; P.W.D., Electricity and Transport Minister, Assam, till 1952. *Address:* Nongthymmai, Shillong, Assam.

DAS, Mr. Justice Sudhansu Kumar, B.A., Permanent Judge, Patna High Court, since 1948. *b.* Sept. 3, 1898; *m.* Rabeya Choudhuri of Patna, Bengal; *Educ.:* Collegiate School, Krishnagar (West Bengal), Presidency College, Calcutta, and London School of Oriental Studies, London. Joined the Indian Civil Service by competitive examination held in London in 1921; served in Bihar and Orissa as Asst. Magistrate & Collector; later as District & Sessions Judge; Registrar, Patna High Court; Judicial Secretary & Legal Remembrancer; Labour Commissioner, Govt. of Bihar; appointed Officiating Judge, Patna High Court, 1944 and then Additional Judge since 1945. *Address:* Chhajjag, Patna, Bihar.

DAS, Mr. Justice Sudhi Ranjan, Judge, Supreme Court of India. *b.* Oct. 1, 1894, *s. s.* of late Rakhai Chandra Das; *m.* Swapana, 2nd *d.* of late Rai Bahadur S. B. Majumdar, 1919; two *s.* and one *d.*; *Educ.:* Tagore's School, Santiniketan; Bangabasi College, Calcutta; Univ. College, London; Graduated, Calcutta Univ., 1915; LL.B. (Lond.) 1st class 1st, 1918; called to the Bar, Gray's Inn, 1918. Joined Calcutta Bar, 1919; Lecturer, Univ. Law College; Additional Judge, Calcutta High Court, 1942-44; Puisne Judge, Calcutta High Court, 1944-49; Chief Justice, East Punjab High Court, 1949-50. *Recreation:* Tennis. *Club:* Calcutta. *Address:* Supreme Court, New Delhi.

DAS-GUPTA, Dr. Harendra Nath, M.Sc. (First-class) (Silver medalist), D.Sc., Professor of Chemistry, Fuels & Metallurgy, Indian School of Mines, Dhanbad. *b.* November 1904, *s.* of Surendra Nath Das-Gupta, of Narasingha Das family of Fullaree; *m.* Sm. Parul Das-Gupta, B.A.; two *s.*; *Educ.:* The University of Calcutta, Bengal. Worked as a Chemist under Bengal Paint and Varnish Mfg. Co., Dum Dum upto the end of 1929; awarded a Post-Graduate

Research Scholarship by the Govt. of Bengal for carrying on original investigation on organo-arsenic drugs, 1930-33; Lecturer in Inorganic Technology and Silicates in the Department of Applied Chemistry, Calcutta University, 1933-34; Council Member, Indian Chem. Soc., 1948-50; Ex-Com. Member, C.U., 1942-47. *Publications:* Published 41 papers embodying the results of original investigations in branches like organo-arsenic compounds; glass and silicates; sulphur, phosphorus, analytical chemistry and metallurgy. *Address:* 8/3, Hari Nath De Road, Calcutta 9.

DAS GUPTA, Dr. Jayanta Kumar, First Class Honours in English, M.A. (Cal.), Ph. D. (London), Principal, Darbar College, Rewa, Vindhya Pradesh. *b.* March 19, 1901, *s.* of late Rai Sahib Aswini Kumar Das Gupta; Retired Inspector of Schools, Bengal Educational Service; *m.* Induprabha Roy; three *s.* and three *d.*; *Educ.:* Calcutta and London Universities. Was for some time on the staff of the School of Oriental Studies, Univ. of London; formerly Principal, Maharaja Coll., Chhatrapur, Vindhya Pradesh. Member of the Senate, Executive Council, and Faculty of Arts of the Agra University; Member of the Central Board of Secondary Education, Ajmer. *Publications:* *Life and Novels of Bankim Chandra Chatterjee* (University of Calcutta); College and University text-books; author of a large number of research papers contributed to various important journals in India and abroad. *Recreations:* Reading; Newspaper cutting, Fine Arts. *Clubs:* Venkat Club, Rewa, V.P.; The Indian P.E.N. *Address:* Darbar College, Rewa, Vindhya Pradesh; Civil Lines, Bungalow No. 15, Rewa, V.P.



DAS GUPTA, Prodosh K., B.A., Professor of Sculpture, Govt. College of Art & Craft, Calcutta. *b.* Jan. 10, 1912, *s.* of Nalini Nath Das Gupta, Retd. District and Sessions Judge, and Smt. Charni Bala Das Gupta; *m.* Smt. Kamala Poduval, *d.* of late Dr. A. R. Poduval of Trichur, Travancore-Cochin State; one *s.*; *Educ.:* The Scottish Church Coll., Calcutta Univ.; Lucknow Govt. School of Arts & Crafts; Madras Govt. School of Arts & Crafts, School of Sculpture, Royal Academy of Arts, London; L.C.C. Central School of Arts & Crafts, London. Worked as a professional sculptor for 10 years before joining Baroda Univ. as its Reader and Head of the Dept. of Sculpture, executed many important creative works as well as commission works in bronze, stone, cement and terra-cotta; represented India in the International Sculpture Competition held in London, March 1953; Founder member, Calcutta Group, the premier art organisation of India with modern and progressive outlook in art. Acting as its secretary since 1946. *Publications:* Articles on art in periodicals; a book on his works of Sculpture, published in 1944. *Address:* 5, Jatin Das Road, Calcutta 29

DATAR, Balwant Nagesh, M.A., Deputy, Minister for Home Affairs, Govt. of India, since Aug. 11, 1952. *b.* Aug. 13, 1894, at Taagaon, Satara, *s.* of N. B. Datar; *m.* Smt. Subhadra Bai; *Educ.:* Deccan Coll., Poona; Baroda Coll., Baroda. Member: Faculty of Law, Bombay Univ., 1937-42; Board of Studies in Kannada language, 1939-42; Part-time Prof. of Law, R. L. Law Coll., Belgium, 1939-52; Dean, Faculty of Law, Karnatak Univ.; member: Syndicate, Senate and Academic Council, Karnatak Univ.; Karnatak P.C.C.; Separation of the Executive from the Judiciary Ctee., Bombay, 1947; Bombay Univ. Reorganisation Ctee., 1949; Karnatak Univ. Ctee., 1948; Pres., City Congress Ctee., Belgium; elected to the House of the People from Belgium; North Constituency in the general elections. *Address:* Ramana Niwas, Kadolkar Street, Belgium.

DATAR SING, Sardar Bahadur Sir, F.R.S.A., M.D.D. Kt., 1939, Production Commissioner & Addl. Secy, Ministry of Food & Agriculture. Formerly Vice-Chairman, Indian Council of Agricultural Research & Addl. Secy, Ministry of Agriculture, New Delhi, and President, Indian Central Cotton, Coconut, Jute, Tobacco, Oil & Oilseeds Committees; pioneer in dairying in India; led Indian Industrial Delegation to Australia & New Zealand in 1945; delegate to the International Wheat Conference held in London in 1947; member, Food Delegation to Australia and F.A.O. Conferences, U.S.A., 1948 and Rome, 1951, Pres., I.S.O. Conference on Shellac, New Delhi, Jan. 1950; F.A.O. Cattle Breeding Conference, Lucknow, Feb. 1950; Indian delegate to F.A.O. Co-ordinating Ctee. and Council Meetings, 1952 & 1953. *Club:* Gymkhana, New Delhi. *Address:* 3, Tughlak Road, New Delhi.

DATT, Vidyavachaspati, Founder, Bharatiya Vidya Bhawan, Kotah, Rajasthan. *b.* March 27, 1925; *m.* Smt. Kamala Devi, *d.* of Bhal Shankar Pandya, Dargapur; one *s.*, Jai Prakash Narain. Founded at Kotah the "Bharatiya Vidya Bhawan", a centre of Hindi, Art and Sangeet examinations, 1949; is one of the prominent propagators of Hindi in India, has been propagating Hindi in the Rashtra Bhasha Prachar Samithi, Wardha; member, All-India Ayurvedic Sammelan, Delhi; member as examiner, All-India Mahila Vidyapeeth, Allahabad; All-India Rashtra Bhasha Sahitya Sammelan, etc.; Centre Supdt. Hindi Vidyapeeth, Deogarh, Bihar; Drawing Exam, Govt. of Bombay; Sangeet and Ayurveda Exams., Delhi; has been examiner, All-India Hindi Sahitya Sammelan, Allahabad, is a prominent literary figure and a writer; possesses good knowledge of Hindi, Sanskrit, Gujarati, English and Urdu. *Address:* Bharatiya Vidya Bhawan, Kotah (Rajasthan), Balasinar (Bombay).



DATTA, N., B.A., G.D.A., Secretary, Hindusthan Co-operative Insurance Society, Ltd. *b.* July 14, 1892, in the District of Barisal, East Bengal; *Educ.:* Graduated from the Dacca College in 1912. Joined Hindusthan as Chief Accountant in 1917; was appointed Branch Manager, Bombay, in 1923 and held the position till June 1933; was subsequently called upon to join the Head Office of the Society as Agency Manager; officiated for some time as General Manager in 1936; appointed Secretary and Chief Officer in 1937; ex-President, Indian Life Offices Association. *Address:* Hindusthan Buildings, 4, Chittaranjan Avenue, Calcutta.



DATTA, Dr. Satchidananda, B.Sc. (Hons.), D.Sc., M.R.C.V.S., D.T.V.M., F.R.S. (Edin.), F.N.I. (Permanent) Director, Indian Veterinary Research Institute, Izatnagar and Mukteswar, U.P. *b.* Aug. 2, 1899, *s.* of K. K. Datta of Survey of India, Dehra Dun; *m.* Smt. Kamala Datta; two *s.* and two *d.*; *Educ.:* Govt. High School, Dibrugarh, Assam; Scottish Church Coll., Calcutta; Govt. Coll., Rajshahi; Univ. Coll. of Science and Technology, Calcutta; Royal Vety Coll., London; also Pathology & Bacteriology Dept. of Edinburgh Univ. Lecturer, Bengal Vety. Coll., 1927-30; Vety. Research Officer, Ind.



Vety. Res. Inst., since 1930; Army Service in Ceylon, Manipur, Assam, etc., 1941-47; Chairman, Vety. Biological Products Standardisation Cttee.; Steering Cttee. on Raising the Standard of Vety. Educ.; Animal Health Cttee.; Hides and Skins Cttee. of the I.C.A.R., ex-Chairman, All-India Vety. Assoc. Ann. Conferences; Fellow, National Inst. of Sciences in India and Royal Society, Edinburgh; represented India in several International Conferences, since 1938. *Publications*: Numerous original papers in various Indian and other scientific journals. *Recreation*: Tennis. *Address*: Izatnagar, Bareilly, U.P.; Mukteswar-Kumaon, U.P.

DAYAL, H. E. Bhagwat, Indian Ambassador in Afghanistan, since 1953. *b.* March 23, 1900, *s.* of late Din Dayal of Naini Tal; *m.* Lakshmi, *d.* of late Buland Iqbal, Feb. 1926; *Educ.*: Philander Smith Coll., Naini Tal; Muir Central Coll., Allahabad; University Coll., London; Middle Temple, London. *Warden, Kayaashta Pathshala, Allahabad*; *Teacher, Dept. of English Studies, Allahabad Univ., 1925-45*; *appointed Indian Consul to Siam, Dec. 1946*; *later Chargé d'Affaires*; *Envoy Extraordinary and Minister Plenipotentiary of India in Siam, 1946-51*; *Indian Ambassador in Indonesia, 1951-58*. *Address*: Indian Embassy, Kabul.

DAYMA, Kachrual Pusaram, Social Worker. *Educationalist & Journalist of Jalna (Hyderabad State)*. *Educ.*: Matriculated and had three years' military training in Bhonsala Military



High School, Nasik; was in the N.C.C. for one year; passed Sahitya Visharad (B.A.) from Hindi Univ., Allahabad; is studying Arts in Allahabad Univ. privately. *Founder, Ramdandade Debating Society, Nasik (1948)*; was its Gen. Secy. for two years; *Founder and Chairman, Keshev Sports Club and Keshev Library, Jalna*; *Pres., Hindi Students' Union*; *Asst. Secy., Rashtriya Hindi Vidyalaya, Jalna*; *Editor, "Nav Sandesh"*, local Hindi monthly; *Correspondent of several Newspapers in Jalna*. *Recreations*: Literature, Sports and Journalism. *Address*: Main Road, Jalna (Hyderabad-Deccan).

DE ALBUQUERQUE, Dr. Manuel Francisco, M.D., L.R.C.P. & S., L.M. & S., Knight of the Order of Christ, Ex-Vice-Consul for Portugal in Zanzibar. *b.* Aug. 14, 1869, at Anjuna, Bardez, Goa; *s.* of Angelo Maria de Albuquerque and Zeferina de Souza; *m.* Purificacao Phelomena de Souza; one *s.* and two *d.*; *Educ.*: L.M.S. from Bombay Univ., 1896; graduated with distinction from Edinburgh; took a special course in Obstetrics at the Rotunda Hospital, Dublin; qualified himself for M.D., "Avec tres grande distinction" at the University of Brussels. Established himself at Zanzibar, 1898; was Physician to the reigning Sultans and their families for several years; was for many years Vice-Consul and for some time Ag. Consul for Italy; was honoured by the Zanzibar Govt. with the high Order of the Brilliant Star of the Third Class for his services during the bubonic plague epidemic in the Protectorate in 1903; awarded the Order of the Hamoudieh, Second Class by H. H. Seyyid Ali; was presented with a gold sword by Seyyid Sir Khalifa, the reigning Sultan in appreciation of valuable services rendered to him; was awarded the Order of Cavaleiro da Ordem de Christo by the Portuguese Govt. in recognition of his services to Portugal and to Portuguese nationals in



East Africa during World War I in his capacity as Ag. Consul-General and the honorary title of Vice-Consul for Portugal at the time of retirement; took keen interest in various social institutions and social work; was the principal promoter and first Pres. of the Goan Institute; *Founder Pres., Union of the Goan Community, Zanzibar*; has been a staunch patron of sports; offered trophies to the Zanzibar Sports Assoc. and the Goan Sports Club, has been active in welfare work among the Goan and other communities in Zanzibar. *Address*: Anjuna, Bardez, Goa.

DEANE, Major Donald Victor, C.I.E., O.B.E., R.E. (Retd.), Master of India Govt. Mnt, Bombay. *b.* Oct. 19, 1902; *Educ.*: Gresham's School, Holt, Norfolk, and R.M.A., Woolwich. Commissioned into the Royal Engineers on Aug. 31, 1922; posted to India in Jan. 1925; transferred to H.M. Mints as Dy. Mint Master in Dec. 1932; appointed as Mint Master, Calcutta in Feb. 1938; transferred to Bombay as Senior Mint Master in March 1947; *Vice-Pres. and Chairman, the Bombay Education Society and Trustee and Director, Pichay Philpott Sanatorium, Nasik*. *Address*: The Mint House, Ballard Road, Bombay.

DEHEJIA, Venilal Tribhovandas, B.Sc., I.C.S., J.P., Secretary to Government, Finance Department, Bombay. *b.* July 23, 1908, *s.* of Tribhovandas Jannandas and Nandgouri of Surat; *m.* Tarunica Hirral Kaji, B.A. (Hons), *d.* of Dewan Bahadur Professor H. L. Kaji; three *s.*, Makarand, Harshavardhan and Jaykumar; *Educ.*: Wilson College, Bombay; Royal College of Science, London; awarded Prajñat Thackersey Mughl prize for standing first in the University in B.Sc.; *Dakshina Fellow, Wilson Coll.* Joined the Indian Civil Service, 1931; was Collector of Ahmednagar, Jacobabad, Kalra, Dharwar and Poona; reorganised Excise Administration in Sind; served in the Central Secretariat and in Sind and Bombay Secretariats; was Chief Secretary, Sind and Saurashtra; ex-special Commissioner, Baroda, Secy., Home Department, Bombay, 1947-52. *Clubs*: Wellington W.I.A.A. Club, Bombay; Delhi Gymkhana. *Recreations*: Tennis and Chess. *Address*: Mount Pleasant Road, Bombay 6.

DEHGAMWALA, Mulla Mohamedally Abdoolally, N.K.D., Business man; Partner A. Mohamed & Co. *b.* June 12, 1888, *s.* of Abdoolally, Business man at Dehgam, *m.* Mariambai, *d.* of Goolamally, a leading merchant and oil millowner, Cochin; two *s.* and two *d.*; *Educ.*: Sidhpur. Entered service as an Assistant in Abdool Hussain Jewaji & Co., formed A. Mohamed & Co., himself being one of the partners, 1917; became the Sole Proprietor, 1945; took his two sons as partners in the firm, 1950; member, South Indian Chamber of Commerce, Madras; Treasurer and Joint Secy., Saffie Jubilee High School, Sidhpur (Baroda Dist.). *Club*: South Indian Athletic Assoc. *Address*: 313, Linghichetty Street, G. T., Madras 1.



DEKA, Mr. Justice Holiram, M.A., B.L. (Calcutta), Judge, Assam High Court, since June 5, 1951. *b.* June, 1901; *Educ.*: Passed with honours in Mathematics from Cotton Coll., Gauhati, Assam, 1922; M.A. in Modern Languages from Calcutta Univ., 1925; B.L., Cal. Univ., 1926. Enrolled as Pleader, Gauhati Bar, 1927, and as Advocate (Calcutta High Court), 1931; Member, Revenue Tribunal, Assam, 1946-48; Registrar, Assam High Court, 1948-49; District and Sessions Judge, 1949-51; is a writer, critic and essayist. *Publications*: Short stories, essays and an epistolary novel, in Assamese. *Recreation*: Literary works. *Address*: Gauhati, Assam.

DEO, Kumar Prafulla Chandra Bhanj, M.A., Fellow of the Royal Anthropological Institute (1935), M.P., Political and Social Worker. *b.* May 23, 1909, *s.* of Rourai



Saheb Shridam Chandra Bhanj Deo of Mayurbhanj; *m.* 1st, Maharani of Bastar (deceased) and 2nd, Smt. Tilottama Devi; seven *s.* and four *d.*; *Educ.*: Rajkumar Coll., Raipur; Magdalen Coll., Cambridge. Trained in all Departments of Administration of Bastar State; banished abroad for anti-British propaganda for ten years; served in India League; (Hon. Special Officer, Backward Classes Welfare Dept., Govt. of Orissa for one year; became the first Dt. Pres., Ganatantra Parishad, Mayurbhanj; elected: M.L.A., Orissa in the General Elections; Fellow, Utkal Univ. Senate twice; Pres., Ganatantra Parishad, Orissa State, April 1952; Member, Council of States from Ganatantra Parishad. *Publications*: Several articles in leading Indian journals and newspapers; *Financial Position of the Government of India with a Foreword by late Dr. Shyama Prasad Mukherji*. *Recreations*: Research in Vedic philosophy, Yoga and Tantras; Sanskrit poetry-composition and writing in Hindi, Oriya and English. *Address*: C/o the Purna Chandra Rice Mill, Haripada, Mayurbhanj, Orissa.

DEO, Mr. Justice P.P., M.A., LL.B., Punes Judge, Nagpur High Court, since Oct. 29, 1949. *b.* 1895, *m.* Smt. Sita Kukday, *d.* of K. V. Kukday, I.M.S.; *Educ.*: Bhandara, Jabalpur and Allahabad; M.A. in Economics (All); LL.B. (Nag). Practised at Nagpur, 1927-49. *Address*: 236, West High Court Road, Nagpur.

DEO, H. H. Maharaja Rajendra Narayan Singh, M.P., Maharaja of Patna. *b.* March 1912, *s.* of Pruthwi Raj Singh Deo B. Seralkella; *m.* Smt. Kailash Kumari Devi, *d.* of



late Maharaja of Patna, 1932; *Educ.*: Mayo Coll., Ajmer; St. Columba's Coll., Hazaribagh. Ruler of Patna State, 1933-47; was one of the first Rulers to sign the Merger Agreement with the Indian Union; ex-member, Chamber of Princes; Vice-Pres., Council of Rulers of the Eastern States Agency; Chairman, Eastern States Board of Forestry and Agriculture; member, Eastern States Post-War Reconstruction Cttee.; Standing Cttee. of Eastern States Union; General Council, Rajkumar Coll., Raipur; Chief Patron of the All-India Cultural Unity Conference; Patron: All-India Cattle Show Society; Kalingsa Historical Research Society; Kasha Kala Mandal; literary and research societies, etc.; removed touchability and ban on temple entry for Harijans, during his administration; established Arts and Commerce Coll. in Balangir, Ayurvedic Aushadhalaya, Sanskrit Coll. and Agri. School, etc.; improved social amenities in Balangir; organised Co-operative Banks, Societies, Agri. Dept., Panchayats, Praja Sabha and Leg. Assembly. *Hobbies*: Photography, Cinematography, Foreign Affairs and Social Service. *Recreations*: Tennis, Football, Billiards and Hockey. *Clubs*: National Sports Club of India; International Club, India. *Address*: Shalishree Palace, Balangir (Orissa).

DEOGIRIKAR, T. R., B.A. (Hons.), Journalist; Member, Indian Parliament. *b.* Nov. 25, 1896; *Educ.*: Poona and Bombay. *Editor, Chitramayajagar, 1921-49*; Pres., Maharashtra Provincial Congress Cttee., Poona District and City Congress Cttee.; member, A.I.C.C.O. for three years; Secy., Gandhi Memorial Fund, Maharashtra. *Publications*: About 15 books

on Constitution of India, Gandhi's life and Philosophy, History of Ireland, History of Philippines, etc. Address: Chitraa Press, Poona 2.

DESAI, H.E. Chandulal Chunilal, B.A. (Cantab.), C.I.E. (1945), I.C.S., High Commissioner for India in Ceylon, since March 1953. b. April 27, 1900; m. Kamala Desai. Educ.: Nadlad High School; Elphinstone Coll. Bombay; Cambridge Univ. Joined the I.C.S. 1923; was posted as Asst. Commr. C.P. and Berar; for some time was Under-Secy. to Govt.; became Dy. Commr. Buldana District, 1927; transferred to the Government of India as Deputy Director-General of Supply, 1942; Controller-General of Civil Supplies, 1943-45; was member-secy. of the Indian Tariff Board and later its Chairman, 1945-47, was Addl. Secy., Govt. of India, Ministry of States, 1947-48; visited Australia as leader of the Indian Delegation for the ECAFE, also to Geneva as leader of the Indian Delegation to the Conference of General Agreement on Tariffs and Trade, 1948; Secy., Ministry of Commerce, Feb. 1948-Jan. 1951; Secy., Ministry of Works, Housing and Supply and Ministry of Production, 1951-53; leader of the Indian Delegation to negotiate various trade treaties with Pakistan, Afghanistan, Switzerland, Hungary, Czechoslovakia, Australia and Ceylon, 1948-51; leader of the Indian Steel Delegation to England and U.S.A. to negotiate loans for the Indian Govt. schemes for the expansion of steel industry in India. Publications: *A Compilation on Nepal*. Address: High Commissioner for India, Colombo, C/o Grindlay's Bank Ltd., Bombay.

DESAI, Chhotalal Khosabaldas, B.A. (Cantab.), Ex-Chief Commissioner, Kutch. b. October 22, 1893, s. of K.R. Desai. Educ.: Baroda High School, Elphinstone College and St. Catherine's College, Cambridge (Science Tripos). Passed I.C.S. 1916; joined as Assistant Collector, Benares, December 1917; services ended, 1927; travelled in Europe and India; studied and practised Yoga at Kaivalyadharm, Lonava, under the guidance of Swami Kavalayandan; rejoined Service as Regional Commissioner for Deccan States and Kolhapur (November 1947 to May 1948). Address: C/o Chief Commissioner, Umel Bhuwan, Bhuj.

DESAI, Dinkarrao Narbheram, M.A., LL.B., Minister of Law and Education, Govt. of Bombay; Advocate. b. 1st July 1889, at Godhra; m. Sitmati Bhanumati; Educ.: High School Educ. at Broach; passed B.A. & M.A. Exams. from St. Xavier's College, Bombay in 1912; and LL.B. from Bombay Law College in 1913. Joined the Broach Bar in 1913; was a practising lawyer till 1946; began to take part in social and political activities, 1917; went to jail several times; became member of the Broach Municipality in 1917 and continued till 1935; was Chairman of the Broach Municipal School Board for 17 years and of the Dist. School Board for 3 years where he introduced compulsory Primary Education; was Pres. of the Municipality for 9 years; member of the Provincial Assembly, 1937; is the President of the Broach Education Society and Trustee of Sevashram, Broach; Minister of Law and Civil Supplies in the Kher Ministry, 1946-52; led the Indian Delegation to the U.N. Food and Agricultural Organisation at its fourth conference held at Washington in 1948. Address: Secretariat, Bombay; Jowahar Bazar, Broach.

DESAI, Manilal Jagdish, B.A., LL.B. (Bombay), C.I.E. (1946), I.C.S., Secretary, Commonwealth Affairs, Ministry of External Affairs, since Nov. 1953. b. January 4, 1904, s. of Landowne of Abruna, District Surat, Bombay; m. Kanti, d. of Dr. B. N. Desai of Bombay and Surat; Educ.: Gujarat College, Ahmedabad, Wilson College, Bombay, School of Economics, London. Asst. Collector and Collector in Bombay State, 1928-35; Director of Land Records and Settlement Commissioner, 1936-38 and 1940-42;

Deputy Secy., Revenue Dept., Govt. of Bombay, 1938-39; Secy. to Govt. of Bombay, Revenue and Reconstruction Depts., 1942-46; Establishment Officer to the Govt. of India and Principal, Indian Administrative Service Training School, 1947-48; one of the Advisers to the Indian Delegation to the U.N. at the 1948 Session in Paris; Commercial Adviser to the High Commissioner for India in London, 1948-51; Envoy Extraordinary and Minister Plenipotentiary for India in Sweden, Finland and Denmark, 1951-53. Recreations: Tennis and Riding Clubs. Delhi Gymkhana Ltd. and Cricket Club of India Ltd. Address: Ministry of External Affairs, New Delhi.

DESAI, Mr. Justice Manulal Chunilal, B.A. (Tripos) (Cantab.), Judge, High Court of Judicature, Allahabad, since Dec. 12, 1948. b. Feb. 25, 1904; m.; two s. and two d.; Educ.: Govt. High School, Nadlad; Elphinstone Coll. Bombay; Baroda Coll., Baroda; Cambridge Univ. Asstt. and Jt. Magistrate, 1920-33; Collector and Dt. Magistrate, 1933-42; Dt. and Sessions Judge, 1943-48. Recreations: Golf, Bridge, Chess, Badminton. Address: 31, Thornhill Road, Allahabad.

DESAI, Morarji Ranchhodji, B.A., Chief Minister, Govt. of Bombay, since April 1952. b. 29th February 1896. m. Gajrabai, d. of Jogibhai Bhijubhai Desai; Educ.: Bai Avabai High School at Bulsar and Wilson College, Bombay; after graduation in 1917, was appointed Dakshina Fellow in the Wilson College and also received the Viceroy's Commission in the Indian Defence Force, 1917-18; was appointed as a direct recruit in the Provincial Civil Service, Bombay; resigned in 1930 during the C.D. Movement; suffered imprisonment three between 1930-1934; Secretary, P.C.C. Gujarat, 1931-37; member, A.I.C.C. since 1931; was elected to the Bombay Legislative Assembly in 1937; Minister for Revenue and Forests, Government of Bombay, 1937-39; participated in the individual C.D. Movement in 1940; was detained in Jail from Aug. 1942 to 1945; was elected to the Bombay Legislative Assembly early in 1946; Minister (Home and Revenue), Govt. of Bombay, 1946-52. Address: "Congress House," Ahmedabad. "Cordley," Ridge Road, Malabar Hill, Bombay 6.

DESAI, Govindas Vishnoodas, Author: Broadcaster for the B.B.C. b. July 8, 1909 at Nairobi, Kenya. Visited England for the second time, 1939; Speaker for the British Ministry of Information on Eastern affairs throughout the war; lived in Britain, 1939-52, when returned to India for a visit. Publications: *All About Mr. Hitler* (1940 Aldor, London), re-issued (1951, Saturn Press, London), American Edition (revised, Farrar, Straus & Young N.Y.), *Halt* (Saturn Press, London, 1951). Address: C/o Grindlay's Bank, Parliament Street, London, S.W.1.

DESEMUKE, Chintaman Dwarkanath, B.A. (Cantab.), Minister for Finance, Govt. of India since June 1950. b. Jan. 14, 1896, s. of D. G. Deshmukh; m. 1st, Rosina Silcox, 1920, (d. 1949); one d. Primrose; 2nd, Smt. Durgabai, 1953.

Educ.: Elphinstone Coll. Bombay and Jesus Coll. Cambridge, Natural Science Tripos, Part I, B.A., Cambridge in 1918. Entered the I.C.S. Nov. 1919; served in the C.P. & Berar as Asstt. Commr., 1920-24; Under-Secy. to Govt., 1924-25; Dy. Commr. and Settlement Officer, 1926-30; Jt. Secy., 2nd R.T.C., 1931; Revenue Secy., C.P. Govt., 1932-33; Financial Secy., C.P.

and Berar, 1933-39; Jt. Secy., Govt. of India Dept. of Education, Health and Lands, May-July 1939; Officer on Special Duty, Finance Dept., Govt. of India and Custodian of Enemy Property, 1939; Secy. to the Central Board of the Reserve Bank of India, 1939-41; Dy. Governor, Reserve Bank of India, Dec. 1941-Aug. 1943; India's delegate to the World Monetary Conference, Bretton Woods, 1944; Governor for India on International Monetary Fund and International Bank for Reconstruction and Development, from 1946; Governor, Reserve Bank of India, 1943-49, Chairman, Sept. 1950; Financial Representative of Govt. of India in Europe and America, 1949-50; Pres., Indian Statistical Institute, 1946; Chairman, Indian Public Schools Society, 1950 member, Planning Comm., March 1950, Chairman, International Monetary Fund and International Bank for Reconstruction and Development, Sept. 1950. Address: Ministry of Finance, Govt. of India, New Delhi; Residence: 1, Willington Crescent, New Delhi.

DESEMUKE, Purushottam Kashirao, M.A., LL.B., Minister for Education, Local Self-Govt. and Indian Languages, Madhya Pradesh, since Feb. 1952. b. Nov. 7, 1911, s. of Kashirao Bapu Deshmukh. Social worker of Berar; Educ.: The Theosophical School, Banaras, Banaras Hindu University, Banaras. Was President of the various Congress Committees; was member, P.C.C. and A.I.C.C.; was jailed in 1941, 1942 and 1944 in national movements; was elected to the Provincial Legislative Assembly, 1946; as Minister for Revenue was responsible for the Zamindari Abolition Bill of Madhya Pradesh and various tenancy laws conferring benefits on the tenants; Minister for Education and Revenue, M.P., 1946-52; again elected to the Stat. Assembly in Jan. 1952. Address: "Shanti Niwas," Gandhi Chowk, Amravati.

DESEMUKE, Dr. P. S., M.A. (Edin.), D. Phil. (Oxon.), Barrister-at-Law, Minister with Cabinet rank for Agriculture, Government of India b. Dec. 1898; Educ.: Fergusson Coll., Poona, M.A. (Hons.), Edinburgh; Dunlop Research Scholar, 1923-26, called to Bar, 1925. Life Pres. Shikari Education Society, since 1937; member, P.C.C. 1947-48; re-elected 1950, member, M.P. Leg. Council, 1930-37; Minister (Education, P.W.D. and Agriculture), 1930-33 reduced school fees for agriculturists; introduced Hindu Religious Endowments Bill, Cattle Disease Prevention Bill, established Provincial Village Uplift Board, sponsored Debt Conciliation Act, 1931, etc.; member, Ex-Officio, Congress Parliamentary Party, 1950-51, 1952-53; Member, Ctee. of Ministers of the Chamber of Princes, 1942-46; General Secy., Central India and other States Group, 1941-44; represented India as delegate on F.A.O. Conference at Washington, Nov. 1948, elected Pres., All-India Federation of Backward Classes, since 1950; Chairman, State Trading Co. and Cotton Marketing Committee; Delegate to F.A.O. Conference at Rome, Nov. 1951; re-elected to Parliament, 1952; Member, Planning Sub-Ctee. of the C.A.B. of Education, 1952, elected Fellow, Royal Society of Arts of London. Pres., All-India Maratha Education Conference (30th session), 1953. Publications: *Origin and Development of Religion in Vedic Literature*. Address: Amravati, Camp (Berar).

DESEMUKE, Ramrao Madhavrao, M.A., LL.B. (Cantab.), Bar-at-Law, M.P. b. Nov. 25, 1892; Educ.: Graduated at Cambridge, 1916 called to the Bar, 1917; Pres., Belgaum Maratha Conference, 1920-30, M.L.C. Nagpur Council, except for 1926; M.L.A. 1926; first elected Chairman, Amraoti District Council, 1925; member, A.I.C.C. 1920-25; President, Maharashtra Conference, Satara, 1925, Minister, M.P., 1927-28; also member, A.I.C.C.; formed Second Nationalist Ministry in M.P., 1929; resigned Ministry, 1930; Pres., Democratic Swaraj Party Meeting, Bombay, 1933; member, Hindu Sabha Deputation to England and Deputation for separation of Berar, 1933; Adviser to Raja of Sandur, 1935-36; M.L.A.



(M.P.) 1937, and Minister, Dr. Khare's Ministry; resigned with Dr. Khare, 1938; Political Minister, Dewas (Jr.) State and Secretary C.I. and other States group, 1939-41; elected to Chamber of Princes Ministers' Ctee., 1941; Finance Minister, Gwalior Govt., 1941-44; member, National Defence Council, 1940-44; High Commissioner for India in South Africa, 1945-47; Prime Minister and Adviser to Raj Pramukh of Vindhya Pradesh, Rewa, 1947-48; Resigned in July 1948; Dir., Reserve Bank of India, 1949-52; elected to the Council of States, 1952. *Address:* Morsl Road, Amraoti (Vidarbha).

DESEPANDE, D. D., B.A., Managing Director, New Citizen Bank of India, Ltd. b. 23rd October 1898 at Rahuni; *Educ.:* Took his B.A. degree from Fergusson College, Poona in 1919,



and worked for some time as teacher. Passed the Accountancy Examination of the Corporation of Accountants Ltd., Glasgow and was later elected a Fellow of that body in 1929; promoted the Commonwealth Assurance Co. Ltd., Poona; was for 8 years its Managing Agent; retired voluntarily in 1936; sponsored the New Citizen Bank of India Ltd., Bombay. In 1937, of which he is the Managing Director; is a student of economic and financial problems of India; has read papers before different conferences; interested in literary pursuits; periodically contributes articles to a few English and Vernacular Journals. *Address:* The New Citizen Bank of India Ltd., Apollo Street, Bombay.

DESEPANDE, Mrs. Vimala Bai, M.A. (Philosophy), Parliamentary Secretary, Madhya Pradesh Govt., since 1946. b. July 13, 1903, d. of D. K. Kolhatkar, Retd. Dist. and Sessions Judge, Madhya Pradesh; m. P. Y. Deshpande, Editor, Bhavitavya Weekly and Managing Director, Nava Samaj Ltd., Nagpur; two s. and two d.; *Educ.:* High School for Indian Girls, Poona and Fergusson Coll., Poona. Was Secy., Berar Youth League and Standing Ctee.; member, Berar Branch of the All-India Women's Conference, 1931-33; was member, Berar Provincial Congress Ctees.; elected member, Nagpur Univ. Court, 1933-36; founded Balakmandir (Montessori School) under the auspices of Bhaginmandal, Nagpur, 1936; nominated member, High School Education Board, M.P., 1937-40; Proprietor, Manager and Joint Editor, Bhavitavya (Marathi Weekly), 1942-48; member, Nagpur Nagar Congress Ctee., 1945; was elected to Madhya Pradesh Assembly from Nagpur, 1946; elected Secy., Congress Assembly Party, since 1946. *Publications:* Articles in the *Bhavitavya*—a collection of poems. *Recreations:* Evening walks. *Address:* Dhantoli, Nagpur.

DEV, Shankar, M.A. Vidyasankar, Deputy to the Chief Minister, Hyderabad Deccan, since 1952. b. 1922, s. of Balaji Rao, of Bidar Dist., Hyderabad State; m. Srimati Padma Devi; *Educ.:* Gurukul Coll., Haridwar, Agra Univ., Kanpur. Organised a Conference of All Hyderabad Karnatak Dalit Jatiya Sangh and was elected its Pres., 1951; elected M.L.A. from Humnabad constituency on Congress ticket in general elections. *Address:* Dist. Bidar, Hyderabad State; Deputy to the Chief Minister, Hyderabad Dn.

DEVA, Acharya Narendra, M.A., LL.B., Member, Council of States; Vice-Chancellor, Banaras Hindu Univ. b. Oct. 31, 1889, s. of Babu Baldev Prasad; *Educ.:* Allahabad and Banaras. Gave up legal practice and joined non-co-operation movement, 1920; Prof. of Indian History, Kashi Vidyapeeth, 1921-26; Principal, 1926; Vice-Chancellor, Lucknow Univ., 1947-51; joined Indian National Congress, 1916; Pres., U.P. State Congress, 1936; Member; Working Ctee., Indian National Congress, 1936-38; U.P.

Legislature, 1937-39 & 1946-47; Founder Member, Socialist Party; presided over its first conference and again at 4th session; was its Chairman; imprisoned four times the last being during the 1942 Quit India Movement; has made a special study of Buddhism in all its aspects; Chairman: Universities Commission, U.P., 1937; Primary & Secondary Reorganisation Ctee., 1938; has translated into English and Hindi the French version of Vasubandhu's Abhidharma Kosha; was a member of the Indian Cultural Delegation to China, April-May 1952. *Publications:* His writings and speeches on the National Struggle and the Socialist Movement, in English and some Indian languages. *Address:* Vice-Chancellor, Banaras Hindu University, Banaras.

DEVARAJALU, G. K., Millowner and Business Magnate. b. 1913. Visited Japan, 1938. first to get for his City complete spinning machinery plant from Japan; went to U.K. and U.S.A. as member, Delegation of All-India Manufacturers' Organisation under the leadership of Sir M. Vishvesvaraya, to study developments in textile industry, 1946; some time Deputy Chairman, Southern India Millowners' Assoc.; member, Textile Control Board, 1946, Managing Dir., The Lakshmi Mills Co., Ltd., Colmbatore and Vijayamohini Mills Ltd., Trivandrum; Dir. The Colmbatore Cotton Mills Ltd., The Rajalakshmi Mills Ltd., The Premier Mills (CBK) Ltd.; The Krishna Mills Ltd.; Textool Co. Ltd.; Sivananda Mills Ltd., The Colmbatore Lakshmi Cotton Press Ltd., The United Electrical Industries Ltd.; The Fertilisers & Chemicals Ltd., Alwaye, The Aluminium Industries Ltd., Kundara, The Travancore Bank Ltd.; The Central Studios Ltd.; Sri Akkamamba Textiles Ltd., Tanuku; Past Pres., Rotary Club, Colmbatore; Free Mason *Address:* "Shell House", Avanashi Road Colmbatore.



DEY, Harendra Lal, M.A. (Cal.), D.Sc. (Econ.) (Lond.), has been Adviser to the Managing Director, International Monetary Fund. Ex-Pres., Indian Tariff Board. b. Nov. 1896; m. Champak Lata, May 1918; four s. and one d.; *Educ.:* Presidency College and Univ. College, Calcutta, and School of Economics, London. Lecturer in Economics, Lucknow Univ., 1921-33; Reader in Economics, Dacca University, 1933-36; Professor and Head of the Dept. of Economics, Dacca Univ., 1936-45; Member of the following Govt. Committees—Consultative Committee of Economists; Post-war Reconstruction, Govt. of India, 1941; Post-war Reconstruction Committee, Govt. of Bengal, 1943-44; Indian Central Jute Ctee., 1941-45; Bengal Industrial Survey Ctee., 1942-44; Bengal Board of Economic Enquiry, 1939-43; Bengal Price Control Advisory Ctee., 1941-42; was one of the 9 economists, who in August and September 1948, advised the Govt. of India on anti-inflationary measures; Member, Air Transport Inquiry Ctee., 1950; retired as Pres., Indian Tariff Board, March 1952. *Publications:* *The Indian Tariff Problem*—George Allen & Unwin, 1933; *Economic Problems of Modern India*, Vols. I and II, Macmillan, 1939-41 and about 60 original papers on planned economy, currency and banking, tariffs and agricultural economics. *Address:* Flat No. 4, 28, Altamont Road, Bombay 26.

DELDADA, Siddha Raj, M.A. (Pol.), LL.B., Secretary, Rajasthan Sevak Sangh; President, Rajasthan Khadi Sangh; Sanchalak, Gandhi National Memorial Trust, Rajasthan Branch; Prov. Rep. All-India Sarva Seva Sangh; Rajasthan Harijan Sevak Sangh. b. Feb. 1909; *Educ.:* Maharaja's College, Jaipur; Canning College, Lucknow Univ. and the Allahabad Univ. Secy., Indian Chamber of Commerce,

Calcutta and various other Assocs. (1934-42); sometime Advocate, Mysore High Court, Bangalore; has been connected with various political, social and cultural organisations; was arrested at Banaras and detained (1943-45); Founder and Chief Editor, *Daily Lokvani* from Jaipur, 1946-49; General Secretary, Rajputana P.C.C., 1947-48; Joint Secretary, Reception Ctee., 55th Session of the Indian National Congress held at Jaipur (Gandhinagar), Dec. 1948; Minister for Industries and Commerce, Govt. of Rajasthan, 1949-51; resigned from Congress, Aug. 1951. *Publications:* Contributes to various English and Hindi periodicals. *Address:* Sarvodaya Kendra, P.O. Khimel (Rajasthan).

DEHAGAT, Premshanker Lakshminshanker, M.A., LL.B., Deputy Minister, Finance and Complaints Dept., Madhya Pradesh Govt. b. 1898, s. of Pt. L. S. Dhagat; m. Sm. Ratnawati Devi; five s. and three d.; *Educ.:* Robertson Coll., Jabalpur; Ewing Christian Coll., Allahabad; Univ. School of Law, Allahabad. Practised at Damoh (M.P.) as a lawyer since 1922; Jailed, 1930, 1941 and 1942 for Congress activities; elected Member, Prov. Legislature, 1936, 1946 and 1952; member, Managing Ctee., Prov. Co-operative Bank for several years, founder and Pres., Prov. Co-operative Marketing and Supply Society Ltd., Nagpur, since inception; has served on various bodies such as Indian Council of Agricultural Research, Indian Central Tobacco Ctee., State Tribes Advisory Council, State Food Advisory Council and State Cottage Industries Board; takes particular interest in Co-operative and Economic matters; was Parliamentary Secy. to Minister for Tribal Welfare, M.P. *Publications:* Miscellaneous Papers. *Address:* Mount Road, Nagpur.

DEHMDHRE, Krishnaji Hari, B.A. (Hons.), social worker, businessman (Essential Oils & Aromatic Chemicals) Bombay, Cochin, Calcutta. b. June 9, 1898, s. of Dhamdhre, Hari Ramchandra, Second class Sardar of the Deccan, m. Smt. Kanala Laxman Vartak, Baselin (Dist. Thana); four s. and four d.; *Educ.:* Nutan Marathi Vidyalyaya High School and Fergusson Coll., Poona. Started independent business at Bombay, 1928; Ex-President of the Perfumery Raw Materials Trade Association, Bombay; member, Regional Consultative Ctee., Central Rly. Bombay; Ctee. of the Maratha Chamber of Commerce, Poona; Indian Merchants Chamber, Vice-Pres., Maharashtra Chamber of Commerce, Bombay, Chairman, Foundlings Home Ctee., Hindu Deen Daya Sangh Vice-Pres.; Maharashtra Utkarsh Mandal; Chitpavan Sangh, Bombay; Trustee, Brahman Seva Mandal, Dadar. *Address:* 169-C, Hindu Colony, Anant Nivas, Vincent Road, Dadar, Bombay.

DEAR, Dr. Jiban Ratan, M.B. (Cal.), Minister of State (Home), Jails, W. Bengal Govt. b. April 6, 1889, s. of late P. K. Dhar, Pleader, Jessore, Bengal and Smt. Niroda Sundare Dhar. m. Smt. Charushila Dhar; one s. and one d.; *Educ.:* Jessore Zila School, Daulatpur Hindu Academy; Krishnagar Coll.; Calcutta Medical Coll.; passed M.B. exam. 1916. Joined I.M.S. (T.C.), 1916; served in Mesopotamia, N.W. Frontier and in Indian stations, 1914-26; joined Congress Movement, 1930; member, A.I.C.C. for 15 years; Vice-Pres. B.P.C.C. for 5 years; Pres., Jessore Dt. C.C. for 10 years; was in prison, 1930, 1941 and 1942; Member, Indian Medical Assocn. *Recreations:* Tennis, Walking, Badminton. *Address:* P 114, Naktola No. 1, Calcutta 32 (W. Bengal).

DEHAYAGUDE, Dr. Ramchandra Govind, M.D. (Bombay), with Pathology and Bacteriology as special subjects with Distinction, Dean, Seth G. S. Medical College & K. B. M. Hospital, Bombay. b. March 7, 1903, s. of G. V. Dhayagude, Ex-Diwan, Bhor State, Bhor; m. Kamala, d. of G. S. Dandavate, B.A., LL.B., Pleader, Poona City; one d.; *Educ.:* Poona, Bombay and Europe. *Publications:* *The Variation of the Virulence of M.*

Tuberculosis (Ind. Jour. of Med. Res., Apr. 1948); **Treatment of Typhoid Fever with Bacteriophage** (Ind. Jour. of Med. Res., July 1949); **Studies of Anarobio Wound Infection** (Ind. Jour. of Med. Res., July 1949), etc. **Clubs:** Bombay Presidency Radio Club; Rotary Club and Willington Sports Club, Bombay. **Address:** Dean's House, King Edward Road, Parel, Bombay 2.

DHEBAR, Uchhrangrai Navalshanker, Chief Minister, Saurashtra, since 1948. High Court Pleader. b. Sept. 21, 1905; m.; one s., Prafulchandra; **Educ.:** Rajkot and



Bombay. Practised as a lawyer in the Court of Western India States Agency, Rajkot, 1929; abandoned practice for active Congress work, 1936; Secy., Kathiawar Political Conference, 1937-48; Secy., Gujarat Provincial Congress Ctee., since 1947; imprisoned thrice for taking part in Rajkot Satyagraha, for nearly 6 months, 1938-39; for Individual Satyagraha for 6 months, 1941; in the Quit India movement, 1942-45. **Address:** Sanatorium, Rajkot.

DHIMAN, R., Managing Editor, Dhiman Press of India, Ludhiana b. July 1, 1916, s. of Hari Ram; m. Smt. V. Dhiman, d. of Balzada Pyara Lal; two s. and two d.; **Educ.:** Ferozepore, Punjab Univ. Worked as Ferozepore Correspondent of *The Times of India*, *Statesman*, *Tribune*, *C. & M. Gazette*, *Hindustan Times* and other leading Indian dailies, 1941-46; shifted to Ludhiana; Editor, *Daily Rehnuma*, Ludhiana, 1947; Editor, *Sangram Weekly*, Ludhiana; Special Representative, *A. B. Patrika and Free Press Journal* for Punjab and PEPU; accredited correspondent at Ludhiana of *The Times of India*, *Statesman*, *Hindustan Times* and other leading dailies; member, Executive Ctee., Punjab Journalists' Assoc.; General Secretary, Ludhiana Working Journalists' Assoc. **Recreation:** Photography. **Address:** Journalist, Ludhiana.



DERANGADERE, HALVAD: Major His Highness Jhaladip Maharajadhiraj Maharana Shri Raj Mayurdhwaj Singh Jhal-Makhwana, K.C.S.I., the Maharaja Rajasheh of. b. March 8, 1923, m. Maharaja Kumari Shri Brijraj Kumari, of Jodhpur, March 3, 1948; three s., the heir-apparent Namdar Yuvraj Maharaj Kumar Sahab Shri Shatrughn Deo, born on March 22, 1944, Maharaj Kumar Shri Jawahir Deo and Maharaj Kumar Shri Gautam Deo; **Educ.:** Dhrangadhra; Heath Mount School and Haileybury College, England; St. Joseph Academy, Dehra Dun, where he passed the School Certificate Examination in the first grade with distinction; succeeded to the gadi, Feb. 4, 1942; assumed the reins of Govt., Oct. 8, 1943; integrated his State into the United State of Saurashtra, March 26, 1948; is the Uprajpramukh of Saurashtra; has officiated as Rajpramukh our times. **Address:** Dhrangadhra.

As, Reginaldo Xavier Jorge, Business man and landed proprietor. b. April 19, 1898, s. of Felix Dias and Florinda de Silva; m. Miss Julietta de Saldanha; one s. and three d.; **Educ.:** Goa and Mangalore. Consul for Portugal in Mombassa. **Address:** Villa Felix, Vasco-da-Gama (Goa).

DIKSHITAR, V. R. Ramachandra, M.A., Professor of Indian History and Archaeology, Univ. of Madras. b. April 16, 1896. **Educ.:** St. Joseph's College, Trichinopoly; Research scholar, Madras Univ., 1923-27; Lecturer in Indian History, Madras Univ., 1928-46; Reader in Indian History and Archaeology, 1946-47; Member, Senate, Madras and sometime Travancore Universities; Member, Academic Council, Madras Univ.; Chairman, Boards of Studies in History and Politics; Member, Board of Studies in Tamil and Oriental Languages; Member, Indian Historical Records Commission, Indian History Congress and the All-India Oriental Conference. **Publications:** *Hindu Administrative Institutions*; *Studies in Tamil Literature and History*; *The Mauryan Polity*; *Some Aspects of the Vayu Purana*; *The Matsya Purana—a study*; *Bharadvajasika*; *Silappadikaram*; *The Lalitha Cult*; *Kulottunga Chola III* (in Tamil); *War in Ancient India*; *Origin and Spread of the Tamils*; *Southern India and China*; *Tirukural*; *Purana Index*, Vol. I; *Pre-historic South India*; *Purana Index*, Vol. II; *Gupta Polity*; edited *Karnataka Rajakal Charithiram* (in Tamil). **Address:** 7, Lalithapuram Street, Royapettah, Madras.

DIVATIA, Sir Harisidhbhai Vajubhai, M.A., LL.B., Kt. (Jan. 1945), Vice-Chancellor, Gujarat University; m. Jolly Behn; **Educ.:** Gujarat College, Ahmedabad. Professor of Philosophy, Bareilly College, 1910-12; practised on the Appellate Side of the High Court, 1912-33; Professor, Government Law College, 1928-31; Hon. Secretary, Bar Council, Bombay, 1932-33; Chairman, Bombay Textile Labour Enquiry Committee, 1938-40; Retired Judge, High Court of Judicature, Bombay and Retired President, Industrial Court, Bombay; Retired Chief Justice, Saurashtra. **Publication:** *Psychology* (in Gujarati language) and *The Art of Life in the Bhagwad Gita*. **Address:** 26-A, Ridge Road, Bombay 6; Navrangpura, Ahmedabad.

DIWAKAR, Ranganath Ramachandra, M.A., Governor of Bihar, since May 1952. b. Sept. 30, 1884 in Dharwar; **Educ.:** Belgaum, Hubli and Poona. Was Teacher and Professor of English, Victoria High School, Dharwar

and K.E. Society's Arts College, Dharwar, 1916-20; joined Non-co-operation Movement in 1921 and started 'Karamveer', a Kannada weekly at Dharwar; suffered imprisonment for sedition, 1921-23; was General Secy., Karnatak Provincial Congress Ctee. and Editor, 'Karamveer' upto 1930; Pres., Karnatak Provincial Congress Ctee., 1930-34; jailed for 6 months for breaking salt Law in 1930; started and conducted No-Tax Campaign in Ankola, Sirsi and Siddapur Talukas in North Kanara Dist.; took active part in 1942 struggle; after being underground for 2 years, surrendered to the authorities, Aug. 1944 and was interned for about a year; started National Literature Publication Trust now known as People's Education Trust at Hubli, 1935 and took over 'Samyukt Karnataka', a Kannada daily from Belgaum; member, P.E.N.; Author of a dozen Kannada and Hindi books; was M.P.; was member, A.I.C.C.; Ex-minister of State, Information and Broadcasting, Govt. of India. **Publications:** (Eng.) *Satyagraha, History and Technique*, *Glimpses of Gandhiji*; *Satyagraha in Action*; *Upamashada in Story and Dialogue*; *Satyagraha Pathway to Peace*. **Address:** Hubli (Dist. Dharwar). **Official Address:** Governors' Camp, Bihar.



DIWAN, Raghavendra Srinivas Rao, M.P., Advocate, Bombay High Court. b. Jan. 1905, at Gulbarga, s. of Srinivas; m. Smt. Sushilabai; two s. and five d.;

Educ.: Bombay and Hyderabad. Pres. City and Taluk Congress Ctees., active member: Latur Taluk Co-operative union, the Dist. Local Board, Osmanabad; Latur Municipality. Life member, Goraakshana Samathen, Latur; joined Congress, 1921; as a student began social work with Swami Ramanand Tirth, 1928; started Girls' School at Latur with the help of his wife, 1936, worked for Second Maharashtra Parishad, Latur, 1938; participated in Hyd. State Congress Satyagraha, 1938; detained in Jail, 1941 & 1942; Gen. Secy., Congress Ctee., 1947; participated in all the freedom struggles in the State; took special interest in the rehabilitation of Bidar after it was burnt in 1940. Organized the Gumastas of Latur; Vice-Pres., Gumastas Sangham. **Recreations:** Music, Reading, Walking. **Address:** Latur, Osmanabad.



DIXIT, Mr. Justice Purushottama Vinayak, B.A., LL.B., B.Sc., Bar-at-Law, High Court Judge, Madhya Bharat. b. March 19, 1907 at Nagpur; s. of Vinayak Rajaram Dixit, Nagpur. m. Vishakha, 4th d. of late Sir Manubhai Mehta; four d.; **Educ.:** Patwardhan High School, Nagpur; B.Sc., Nagpur Univ. in first division; Christ's College, Cambridge; called to the Bar, 1931. Practised at Nagpur bar for 10 years; Codification Officer, Gwalior State, 1940-41; Judge, Gwalior High Court, 1941-42; Law Secy. and Foreign and Political Secy., Gwalior, 1942-45; Gwalior High Court Judge, 1945-46; Adviser to the Foreign and Political Ministers, 1946-47; Chief Justice, Gwalior High Court, 1946-48; Pres., Katlam Incidents Enquiry Commission, 1949; presided over Gwalior Firing Enquiry, 1950. **Recreations:** Motoring; Astronomy and Astrology. **Clubs:** Jiwaji Club, Gwalior; Gondwana Club, Nagpur. **Address:** 13, Gandhi Road, Gwalior, Madhya Bharat.

DIXIT, Mr. Justice Yasheshwar Vasudeo, B.A., LL.B., Puisne Judge, High Court, Bombay. b. March 20, 1898, s. of Vasudeo Ballal Dixit and Smt. Annapurna; m. Smt. Ghanekar now Yashodabai Dixit; two s. Charuchandra and Satishchandra, and one d., Rajani; **Educ.:** Wilson Coll., Bombay; Govt. Law Coll., Bombay. Joined the Appellate Side, Bar, 1928; Reporter, Indian Law Reports (Bom. Series), 1933-45; Professor, Govt. Law Coll., Bombay, 1935-38. **Recreations:** Cricket; Music. **Clubs:** Willington Sports Club and Orient Club, Bombay. **Address:** Vellard View, Pedder Road, Cumballa Hill, Bombay.

DOCTOR, Bhicaji Edulji, F.R.I.B.A. (Lond.), F.I.I.A., M.R. San. I. (Lond.), Chartered Architect. b. December 1901, s. of the late Dr. Edulji Pestonji Damanwalla; m. Miss Juliette Degallies of Lausanne, Switzerland, 1933; one d., Patricia; **Educ.:** Bombay, architectural course completed; Bombay Art Society's Medalist; England and Continent for advanced studies, 1929-34; specialized in intricate schemes.



Was formerly practising as Doctor and Vazifdar at Bombay and Ahmedabad; now practising as B. E. Doctor at Bombay; visited England, France, Italy and Switzerland on professional tour in the middle of 1947; a Freemason, Lodge "Beaman". "Royal Arch Chapter Rising Star of W. I."; **Clubs:** Radio Club, Willington Sports Club, Ripon Club R.W.T.C. Ltd. **Address:** Office, "Dhannur", Sir Phirozshah Mehta Road, Fort, Bombay 1; **Residence:** "Ben Nevis", Warden Road, Bombay 26.

DOGRA, Pandit Girdhari Lal, B.A., LL.B., Finance Minister, Jammu and Kashmir Govt., since 1947. b. July 1915, s. of Pandit Bhima Mal, General Merchant, Amritsar; m. Shrim. Shaktinila Devi, d. of Pt. Agya Ram, retired Supdt., Reception Deptt. of the State; *Educ.*: Hindu Sabha Coll., Amritsar; Law Coll., Lahore. Joined Jammu Bar, 1942; Advocate, Jammu and Kashmir High Court; active political worker from student days; has been a member of the National Conference of Jammu and Kashmir's Working Committee for a number of years; took prominent part in the movements started by the National Conference from time to time for democratisation of the State; was Emergency Officer, Kathua Dist. during the Tribal raid from Pakistan into Kashmir in 1947; elected member, Jammu & Kashmir Constituent Assembly, 1951; Member, Constitution Drafting Cttee.; Chairman, Administration Reorganisation Cttee. and member of various other Cttees. appointed by Govt. *Address*: Finance Minister, Jammu and Kashmir Government, Janmu.

DONGERKERY, Sunderrao Ramarao, B.A., LL.B., Registrar, Bombay University, since 1931. b. Feb. 25, 1898, s. of Ramarao S. Dongerkery and Ramabai M. Balndur; m. Kamala Ganesha Rao Kulkarni; *Educ.*: St. Xavier's High School; Elphinstone College & Govt. Law College, Bombay. Solicitor, Bombay High Court (1923-1930); elected Vice-Pres. and Chairman, Constitution Cttee., International Universities Conference, at Nice, Dec. 4, 1950, and member, Administrative Board of International Universities Assoc., appointed by the Govt. of Bombay as member, the S.S.C. Exam. Inquiry Cttee., 1949 and of the National College of Physical Education Cttee., 1952. *Publications*: Commentaries on *The Indian Sale of Goods Act* (1930) and *The Indian Partnership Act* (2nd Ed., 1936); *The Ivory Tower* (book of lyrics in English); *Universities and Their Problems* (1948); *Bombay's University and Colleges* (1948); *Universities and National Life*; *Universities in Britain* (1953). *Address*: 3, Sital Mahal, 64, Walkeshwar Road, Bombay.

DONGRE, Ramchandra Vinayak, B.Sc. (Hons.), (Bombay Univ.), Partner, K. T. Dongre & Co., Bombay. Is the son of Dr. V. K. Dongre, M.B.B.S., J.P.; m. Miss I. D. Oka, d. of Dr. D. V. Oka, Amraoti; *Educ.*: Wilson High School and Wilson College, Bombay; Member, Managing Cttee., Bombay Branch, Royal Asiatic Society. *Recreations*: Reading, Chemical Research, Tennis. *Clubs*: W.I.A.A.; Club of Maharashtra. *Address*: 384, Lamington Road, Bombay 4.



DRIVER, Darab Cursetji, Adviser, Public Relations, Macneill & Barry Ltd., Calcutta. b. January 19, 1888; m. Piroja, d. of Meherji-bhai Ardeshir Kooka; one s. Jamshed, and one d. Shrin; *Educ.*: B.A., Elphinstone College, Bombay; M.A., Emmanuel Coll., Cambridge; Bar-at-Law, Grey's Inn, London. President, Coal Consumers' Association of India, Calcutta, 1946-53; Chairman, Ry. Fuel Economy Enquiry Cttee., 1951-53; Trustee, Zoroastrian Trust Funds; Past President, Indian Chamber of Commerce, Calcutta, 1947; and Engineering Association of India, Calcutta, 1943-46; Fellow, Calcutta Univ.; retired as Dy. Agent, Tata Iron & Steel Co. Ltd., Calcutta. *Address*: 2, Fairlie Place, Calcutta 1.

D'SOUZA, Rev. Jerome, S. J., B.A. (Hons.) in English Literature, Director, Indian Institute of Social Order, since Jan. 1951. b. Aug. 6, 1897; *Educ.*: St. Aloysius College, Mangalore; St. Joseph's College, Trichinopoly; Presidency College, Madras. Joined the Society of Jesus,

May 28, 1921 at Shembagnur; completed his theological course at Enghien (Belgium); was Principal and Rector, St. Joseph's College and Loyola College; Member, Constituent Assembly, 1946-50; was a member of the Indian Delegation to the U.N.O., Sept. 1949 and Nov. 1951; visiting Professor of Fordham University, New York, Jan. to May 1950; member: Advisory Cttee., Bharat Sevaks Samaj; Governing Board, Indian Council of Cultural Relations; U.N.O. Panel for International Arbitration. *Address*: No. 4, Boat Club Road, Poona 1.

DUBE, Kunji Lal, B.A., LL.B., Vice-Chancellor, Nagpur Univ. b. March 1897, s. of Pandit Dharam Das Dube; m. Shrimati Laita Bai; three s. and three d.; *Educ.*: Jabalpur and Allahabad. Practised at the Jabalpur Bar; Secy., Tripuri Session of the Indian National Congress; Professor of Law, at Jabalpur, 1935-40; courted jail in individual satyagraha; detenu in 1932 struggle; M.L.A. of Madhya Pradesh, 1946; Chief Parliamentary Secy., 1946; Vice-Chancellor, Nagpur Univ., 1947-50; re-elected Vice-Chancellor, Jan. 1950, again in Jan. 1953 unopposed. *Address*: Civil Lines, Nagpur.

DUDEHORIA, Nabakumar Sing, g. s. OF RAI BUDH SING DUDEHORIA RAHABUR OF AZIMGANJ. Zemindar and Banker. b. 1904, m. sister of Fateh Chand, present Jagat Sett of Murshidabad; *Educ.*: Privately. Hon. Magistrate. Director, Sri Durga Cotton Mill Ltd., Calcutta; Luxmi Narayan Ayurvedic Pharmacy Ltd., member, Legislative Assembly Central 1930-34; member British Indian Assoc., Bengal National Chamber of Commerce; Bengal Landholders' Assoc.; Indian Chamber of Commerce; Kalighat Sports Assoc.; Patron, Bengal Music Association. *Clubs*: Calcutta Club, Royal Calcutta Turf Club, Bengal Flying Club; Life Member, All-India Fine Arts and Crafts Society, Royal Asiatic Society of Bengal, Automobile Association of Bengal and Mohan Bagan Club, Calcutta; Vice-President and Life Member, Calcutta North Club. *Address*: Azimganj, Murshidabad, West Bengal.



DUGGAN, Sir Jamshedji Nusserwanji, Kt., K.B.E. (1946), C.I.E., O.B.E., D.O. (Oxon.), F.O.P.S., Colonel, I.A.M.C. I.M. & S., ex-Sheriff of Bombay; ex-Ophthalmic Surgeon-in-Charge, Sir C. J. Ophthalmic Hospital and Professor of Ophthalmology, Grant Medical College, Bombay. b. April 8, 1884; m. Miss Parekh; *Educ.*: Bombay, Oxford, Vienna and London. Consulting Ophthalmic Surgeon to War Hospitals and Ophthalmic Surgeon, Parsi General Hospital, Bombay; Private Ophthalmic Practitioner; Hon. member, Ophthalmological Society of Egypt; ex-Superintendent, Tata Memorial Hospital, Bombay; Fellow of the Bombay University and Honorary Presidency Magistrate, Bombay; ex. O.C. Indian Military Hospital, Bombay; Pres., Jt. War Cttee.; Chairman, Bombay Branch, Indian Red Cross Society, St. John Ambulance Association and St. John Ambulance Brigade; was awarded Silver Jubilee & Coronation Medals. *Publications*: A number of papers embodying research and contributions to various periodicals. *Address*: The Lawnside, Harkness Road, Malabar Hill, Bombay.

DULEEPSINGHI, Maharaj Shri, B.A. (Cantab.), Ex-High Commissioner for India in Australia & New Zealand. b. June 13, 1905, s. of Maharaj Juwanisinhji of Jamnagar; m. Smt. Jayraji Kumari, d. of Maharaj Kiratsinhji; *Educ.*: Cheltenham Coll. and Clare, Cambridge. Bacquet Blue Cambridge;

Captained Sussex Team, 1931-32; played test matches against Australia, South Africa and New Zealand; has travelled extensively in Europe, U.S.A., Australia and New Zealand; served in various administrative capacities in Nawa Nagar State (India). *Clubs*: Garrick Club, London; Union Club, Brighton; M.C.C., London; Hony. Life Member, Sussex County Cricket Club. *Address*: "The Grove", Jamnagar (Saurashtra).

DUNGARPUR: His Highness Rai-I-Rayan Mahimahendra, Maharajadhiraj Maharawal Shri Sri Lakshman Singhji Bahadur, G.C.I.E. (1947), K.C.S.I. (1936), the Maharawal of b. March 7, 1908, of the Gehlot Ahara clan of the Sisodia Rajputs and the eldest branch of the House of Udaipur; m.; three s., the Heir-Apparent Maharaj Kumar Shri Mahipal Singhji Bahadur, b. on August 14, 1931; *Educ.*: Mayo College, Ajmer. Succeeded to the gadi, November 15, 1918; was invested with full ruling powers, Feb. 16, 1923; has introduced many reforms resulting in prosperity of the State and its people; is entitled to a salute of 15 guns; member, Standing Cttee. of the Chamber of Princes continuously from 1931-47 when it was wound up; was one of the select Princes chosen by his order to meet the Cabinet Mission, 1946; represented the Indian States on the Negotiating Cttee.; appointed by the Chamber of Princes to negotiate the States entry into the Constituent Assembly; has been Vice-President of Mayo College General Council more than once; Patron & President, Rajputana Cricket Assoc.; has captained Rajputana XI against the M.C.C. and Australian XI on four occasions; Patron, Cricket Club of India; member, M.C.C., is a keen naturalist and is interested in agriculture and study of wild life; after acceding to the Indian Dominion in August 1947, the State, with an area of 1,460 sq. miles, a population of 274,282 and a revenue of Rs. 28½ lakhs, was integrated in the United State of Rajasthan which was formed on April 1, 1949. *Address*: Dungarpur.



DURKAL, Jayendraray Bhagwanlal, M.A., D.O.C., Vidyavardhi, Sahitya Ratnakar, Swadharma Bhaskar, Author, Educationist and Publicist. b. Sept. 1, 1881, s. of Bhagwanlal, Chief Judge, Gondal State and Mrs. Jasba, Gujarati poetess; m. Sanyakta, d. of Dr. P. Divatia; *Educ.*: Baroda and Ahmedabad. Began career as Head-master, Anglo-Gujarati School, Calcutta; edited *The Review*, a religious monthly at Calcutta (1912); Prof. of English and Gujarati, M.T.B. Coll., Surat (1920); Principal, V.T. Hindu Gurukul, 1936; retired, 1939; Pres., Sanatan Vedic Dharma Sabha, Gujarat; Vaisnav Sadhu Sammelan, Ahmedabad (1928); All-India Sanatanist Press Con., Delhi (1944); All-India Anti-Hindu Code Convention, Jaipur (1948); Chairman, Organising Cttee., All-India Varnashram Swaraj Sangh, Bombay, 1933. *Publications*: *Conservative India* and several Gujarati standard works of prose, poetry and drama. Life-member, Indian Philosophical Society; awarded Doctorate of Oriental Culture by Benares (1940). *Address*: Akasheth Street, Ahmedabad.

DUTT, His Excellency Subimal, B.Sc. (with First Class Honours in Chemistry), Indian Ambassador to the Federal Republic of Germany (West Germany), at Bonn, since 1952. b. March 13, 1906, s. of late B. C. Dutt; m. Romola Dutt; one s. and two d.; *Educ.*: Presidency Coll., Calcutta; University Coll., London. Joined Indian Civil Service, 1928; served as Asstt. Magistrate, Joint Magistrate and Collector, Addl. Dt. and Sessions Judge, and Magistrate-Collector in Bengal till 1938; Under-Secretary and later

Deputy Secretary to Govt. of India, Dept. of Education, Health and Lands, 1938-41; Agent to Govt. of India in Malaya, 1941; Dy. Secy. to Govt. of Bengal, Commissioner of Commercial Taxes, Bengal and Secy. to Govt. of Bengal in the Agricultural Dept. till 1947; confirmed as Dt. Magte. and Collr., Bengal Govt.; Secretary to Govt. of India, Commonwealth Relations Ministry from Aug. 1947; Secretary, External Affairs Ministry, Govt. of India, 1950-52. *Recreations*: Gardening and Golf. *Clubs*: Delhi Gymkhana Club. *Address*: Indian Embassy, Federal Republic of Germany, Bonn.

DUTTA Gupta, Jatindra Chandra, B.Sc. (Engg.), Master, India Security Press, Nasik Road, since March 1951. b. Sept. 1, 1902, d. s. of late Jogendra Chandra Dutta Gupta, Dist. Tippera (East Pakistan); m. Smt. Charusila Dutta Gupta, d. d. of Lalit Chandra Das, ex-M.L.C. (undivided Bengal), three s.; *Educ.*: Cotton Collegiate School, Gauhati; Sarali Annada High School, Tippera; Murari Chand Coll., Sylhet; Engineering Coll., Benares Hindu Univ. Worked in various capacities in the General Engineering Workshop of W. Leslie & Co., Calcutta (now defunct), 1926-32; worked as Asstt. Master and later Deputy Master, India Security Press, Nasik Road, 1932-51; was the first Indian to be appointed to the post of Master; was deputed by Govt. to U.K. and the Continent for six months, 1950. *Address*: India Security Press, Nasik Road.

DWARKA: His Holiness the Jagadguru Shankaracharya Swami Shri Abhinava Sachchidanand Teerthji Maharaj of Sharada Peeth, of. Is an outstanding Hindu spiritual leader in Western India. b. Sept. 25, 1919, at Mulbagalu, Mysore State; *Educ.*: Studied Sanskrit and sacred lore.



Took holy orders from His Holiness Jagadguru Swami Shri Krishnanand Teerthji, the Acharya of the Dwarka Jagadguru Samsthana, Mulbagalu, 1934; installed at Dwarka on the holy seat of Shri Shankaracharya of Western India, June 20, 1945; is a linguist; knows English and seven other languages and usually keeps moving about the whole of India delivering sermons on Hindu Religion and Philosophy, recently visited the Himalayan high peaks 'Yamunotri, Gangotri, Kedarnath, Badrinath' etc.; takes keen interest in the cultural and spiritual uplift of India; Pres. All-India Dharma Sangh Conference, Dhebnia (Bihar), 1946; Patna, 1949; Kanpur, 1951; is still Pres.; recognised by the Govt. as the Shankaracharya of Dwarka and a Primate of Hindulism; looked on as a sort of spiritual guide by several Indian Leaders and Princes. *Publications*: Several books in Gujarati and Hindi: "Nav-Bharati" a Gujarati Weekly is being published under patronage from his Rajkot; pamphlet on a scheme of University with religious foundation. *Address*: Dwarka (W.R.).

EACHARAN, Iyyani, M.P., Agriculturist.

b. July 9, 1918, at Mangalam, s. of Iyyani Vella; m. Smt. K. Annun, June 6, 1946; one d. Rajam; *Educ.*: Board Middle School, Alathur and Board High School, Quilandy, Pres.; Harijan Sabha, Palghat; Organizer, Harijan Yuva Jana Vidyalayam; Havildar Store clerk, 1943-46; worked as clerk in Civil Supplies Dept., 1946-51; returned to Parliament on Congress ticket from Ponnani reserved constituency; member: Indian Central Arancant Cttee.; Indian Council of Agricultural Research and its Advisory Board. *Recreations*: Games. *Address*: Post Anjumurthy, Malabar.



ERRAHIM, Haji Hasanally P., M.L.A., 1946-52. b. June 10, 1896; *Educ.*: New High School. Joined as an unpaid apprentice boy in the Persian Gulf Steam Navigation Co. Ltd., 1913; established business with brothers, 1916; resigned from Persian Gulf Steam Navigation Co. Ltd., 1918; Asstt. Manager, Haji Shaikh Mohd. Shustary & Co., 1918-19; Asstt. Manager, Persian Gulf Steam Navigation Co. Ltd., 1919-22; Manager, 1922-26; member, Haj Cttee., 1927-40; again since 1943; was appointed by Govt. of India on Haj Inquiry Cttee., 1929; Vice-Pres., Haj Cttee., 1931-34; First non-official Vice-Chairman, Port Haj Cttee., 1934-36; elected first non-official Chairman, 1936-37, 1946-48, 1949-50, 1950-51 and 1951-52; Vice-Chairman, Port Haj Cttee., 1937-39 and 1944-45; Life Member, All-India Hajis' Welfare League, 1943. Patron, 1944 and Vice-Pres., 1943; Ex-Officio Member, Wakf Cttee., 1948-51; Partner, Hasanally Brothers; All India Bottle Supplying Co.; Globe Radio & Sound Corp.; Sole Proprietor, Presidency Radio Co.; Chairman: Board of Directors, Kerawala Ltd.; The All India Glass Works Ltd.; The United Enterprises Ltd., Proprietors of the All India Traders and The All India Bakelite Works; Founder and Managing Cttee. Member All-India Muslim Chamber of Commerce & Industry, 1941-47; Bombay Prov. Muslim Chamber of Commerce & Industries, 1943-47; Radio Importers' Assoc., since 1941; Founder and Managing Cttee. Member, All India Radio Merchants' Assoc., 1936-48; Vice-Pres., 1940-43 and 1944-46; Vice-Pres., 1945-49, Founder, Managing Cttee. Member, Hon. Treasurer and Vice-Pres., All India Plastic Manufacturers' Assoc., 1945; Vice-Chairman, Gandhi Jayanti Cttee., 1947; elected M.L.A. on Muslim League Ticket, 1946, Pres. Bombay Prov. Muslim League, since 1947; Bombay Prov. Muslim League Parliamentary Board, 1947; Bombay Prov. Muslim League Central Relief Cttee., 1947; Bombay Prov. Muslim League Working Cttee., since 1947; Bombay Prov. Muslim League Legislature Liaison Cttee., 1947; Chairman, Fourth Party ad hoc Cttee., Bombay, since 1948; Chairman, Fourth Party Parliamentary Board, Bombay, 1952; J.P. Sept. 1931 to 1948; Hon. Pres. Magistrate, 1942-48; Patron, All-India Hajis' Welfare League, 1944; Anjuman-I-Falz-I-Panjab, 1936; Khoja Welfare & Educational Society; Life Member: All-India Hajis' Welfare League from 1943; Trustee & Chairman, since 1941; Anulabai Meheralli Fazalbhoy Vishram Charities; founder Trustee, Cutch Mundra Orphanage, since 1935; Anjuman-I-Himayatul Islam, since 1935; Hon. Secy., 1935-36, 1937-38 and 1951; Vice-Pres., 1936-37; Pres., 1942-43. *Address*: Nepean Sea Road, Bombay 26



ELWIN, Verrier, M.A., D.Sc. (Oxon.). b. Aug. 29, 1902, s. of Bishop Elwin of Sierra Leone, *Educ.*: Merton College, Oxford. Vice-Principal, Wycliffe Hall, 1926 and Lecturer at Merton,



1927; came to India in 1927 in Christa Seva Sangh, but after four years retired into lay life and with Mr. Shamrao Hivale, founded the Bhumiyan Seva Mandal, for the service of the aboriginals on a scientific and humanitarian basis; the Mandal is now called the Tribal Welfare and Research Unit; appointed Hon. Ethnographer, Bastar State, 1940; Anthropologist, Govt. of Orissa, 1945; Deputy-Director, Anthropological Survey of India, 1946-49; F.R.A.I., F.N.I., F.A.S. Editor, *Man in India*, 1942-48; awarded the Wellcome Medal, 1942, the Roy Medal, 1945, B.B.R.A.S. Silver Medal, 1947, Rivers Medal, 1948, Annandale Medal,

1951. *Publications*: *The Dawn of Indian Freedom* (1930), *Mahatma Gandhi* (1931), *The Truth about India* (1932), *The Baiga* (1939), *The Agariga* (1942), *Mara Murder & Suicide* (1943), *Folk-Tales of Malakohai* (1944), *Folk-Songs of the Mawla Hills* (1944), *Folk-Songs of Chhattisgarh* (1946), *The Muria and their Ghotul* (1947), *Myths of Middle India* (1949), *Bondo Highlander* (1950), *The Tribal Art of Middle India* (1951), *Tribal Myths of Orissa* (1953). *Address*: Patangarh P.O., Dindori Tahsil, Mandla Dist., M.P.

ENGINEER, Aspy Merwan, D.F.C., Distinguished Flying Cross (1942), Deputy Chief of Air Staff, Air Headquarters. b. Dec. 15, 1912; m. Ruby Jeelbhoy Treasuryvala; two s.; *Educ.*: D. J. Sind Coll., Karachi; R.A.F. Coll., Cranwell, England; passed R.A.F. Staff College, Bracknell, England; graduate of Imperial Defence College, London. Won Aga Khan Prize being first Indian to fly between England and India within one month, 1930; awarded Groves Memorial Flying Prize at Cranwell. *Recreations*: Fishing; Shooting. *Club*: Delhi Gymkhana Club, Delhi. *Address*: 6, King George's Avenue, New Delhi.

ENGINEER, Sir Noshirwan Phirozsha, Kt. (1945), B.A., LL.B., Ex-Advocate-General of India. b. Jan. 22, 1884; m. Jeralb Jainsheji Kanga; *Educ.*: Elphinstone College, Additional Judge, Bombay High Court from 1936 to 1938; Advocate-General, Bombay, Sept. 1942 to March 1945; Advocate-General of India, April 1945 to Jan. 25, 1950. *Address*: 16, Nepean Road, Malabar Hill, Bombay.

FALSHAW, Mr. Justice Donald, B.A., I.C.S., Judge, East Punjab High Court. b. January 22, 1905; s. of James Falshaw and Mrs. Falshaw of Morecambe, Lancs., England; m. Miss Joan Taylor (Dec. 17, 1938); *Educ.*: Lancaster Royal Grammar School and Sidney Sussex College, Cambridge. Entered I.C.S., 1927; came to India, 1928; District and Sessions Judge in various places from 1933; Lahore, 1939-43; Delhi, 1943-46; appointed Acting Judge, Lahore High Court, Feb. 1946; Additional Judge, Dec. 1946; Addl. Judge, East Punjab High Court, Aug. 1947-June 1949; Punes Judge. *Recreations*: Golf, racing. *Address*: Squire's Hall, Simla 5, Punjab (India).

FEUGA, Right Rev. Dr. R. B.A., D.D., Bishop of Mysore, b. 24th Sept. 1886; *Educ.*: in Paris. Rector, St. Mary's Seminary, Bangalore; Vicar, St. Philomena's Church, Mysore; Nominated Bishop of Mysore, 3rd April 1941. *Publications*: Ed., *St. Philomena's Messenger*, 1932-41. *Address*: Bishop's House, Mysore.

FIRODIA, Kundanlal Sobhachand, B.A., LL.B., Ex-Speaker, Bombay Legislative Assembly. b. Nov. 12, 1885 at Ahmednagar; *Educ.*: Graduated from the Ferguson Coll. in 1907; was a Fellow of the same Coll. for one year; passed LL.B., 1910. Began practice as a lawyer, 1910; from college days, has been a Tilakite; Secy., Nagar District Conference, 1916; Secy., the Bombay Provincial Conference held in Nagar in 1919 and one of the five who bore the brunt of the loss incurred by the conference; one of the promoters of the National School at Nagar, 1920; took a leading part in the collection of Tilak Swarajya Fund and toured in Nagar District with Mahatmaj, 1927; supported both the Movements, by organising financial aid, 1930 and 1932; took prominent part in the famine relief of 1918 and 1920 and worked as the Secy. of the Cttee.; member, Nagar Municipality and the D.L.B. of which he was elected Pres. in 1935 and 1940 respectively; worked for twenty years as Secy. of the Pinjarapole; Pres., City Municipality, Ahmednagar, 1940. *Address*: Ahmednagar.

FYZEE, Raaf Ali Asghar, B.A., LL.B. (Bom.), M.A. (Cantab.), First class honours, Oriental Languages, Tripos, 1924 (P.T.I.), and 1925 (P.T.II), of the Middle Temple, Barrister-at-Law, Member, Union Public Service

Commission, New Delhi, since 1952. b. April 10, 1899; m. Sultana, d. of Kazi Kabiruddin, Bar-at-Law; *Educ.*: St. Xavier's Coll., Bombay, St. John's Coll., Cambridge, England. Hon. Secy., Islamic Research Assoc.; Pres., Anjuman Taraqqi-e-Urdu; Pres., Bombay Cricket Assoc.; Principal, Govt. Law College, Bombay, 1938-47; Member, Public Service Commission, Bombay, 1947-49; East President, Rotary Club, Bombay, 1947-48; Indian Ambassador to Egypt, 1949-51. *Publications*: *Introduction to Muhammadan Law* (Oxford, 1931), *Islamic Law of Wills* (Oxford, 1933), *Islamic Culture* (1944); *Outline of Muhammadan Law* (Oxford, 1949), and about 35 papers of a technical character on Law and Islamic subjects. *Address*: Member, Union Public Service Commission, New Delhi.

GADGIL, N. V., M.P., Ex-Minister for Works, Production and Supply, Govt. of India. b. 1896, in Rajasthan; m. Miss Chaphekar, 1920; *Educ.*: Neemuch, Baroda and Poona; graduated in 1918 with Honours in Economics and Politics; LL.B. from the Govt. Law College, Bombay. Joined Poona Bar; was Secy., District Congress Ctee., Poona and of Maharashtra Provincial Congress Ctee.; Pres., Maharashtra Provincial Congress Ctee.; member, A.I.C.C.; Vice-Pres., Poona Municipality; imprisoned several times in connection with Satyagraha; intimately associated with Youth Movement in Bombay State; was elected to the Central Assembly, 1934; acted as Whip and Secy., Congress Party till he became Minister in the Central Cabinet; Minister for Works, Mines and Power, Aug. 1947-May 1952. *Publications*: Has written books both in Marathi and English on Economics, Finance and Politics. *Address*: 31, Ferozeshah Road, New Delhi; 419, Shanvar Peth, Poona 2.

GADKARY, Sadasiv Amarnas, B.E., M.I.E.E. (London), C.P.E. (Tech.), M.I.E. (India), Chairman (Power), Central Water & Power Commission, Govt. of India, and Member, Central Electricity Authority. b. Dec. 7, 1893; m.; one s. and one d.; *Educ.*: College of Engineering, Poona; Indian Inst. of Science, Bangalore; Schenectady, N.Y., U.S.A. Worked in P.W.D.—Electricity Branch as Executive Engr., Superintending Engr., Dy. Chief Engineer and lastly Chief Engineer and Secretary to the Govt. of Punjab before partition and later as Chief Engineer and Secretary to Govt., East Punjab. *Publications*: *Hydro-Electric Development—The Mahanadi, The run of the River Projects; Conditions necessary for the development of load in major Hydro-Electric Projects, etc.; The Mahanadi Valley Development Specification, H.D.P. 201 and H.D.P. 208; The Chambal Hydro-Electric Project, Vol. I & Vol. II; and storage batteries.* *Address*: Chairman (Power), Central Water & Power Commission, Govt. of India, Ministry of I & P, Bikaner House, New Delhi.

GAJENDRAGADKAR, Mr. Justice Prahalad Balacharya, M.A., LL.B., Judge, High Court, Bombay. b. March 16, 1901; m. Shalini Shaligram; *Educ.*: Satara High School (1911 to 1918); Karnatak Coll. (1918 to 1920); Deccan Coll. (1920 to 1924); Dakshina Fellow (1922-24); Jhala Vedant Prizeman; Bhagwandas Purshotamdas Scholar (1922-24); Law Coll., Poona (1924-26). Joined the Appellate Side Bar, 1926; edited the Hindu Law Quarterly; Sir Lalubhai Shah lecturer, Bombay Univ. on Hindu Law of Adoption, 1950; delivered University Extension lectures on the Hindu Code Bill, Karnatak Univ., 1951; published the Sanskrit Text of Nanda Pandit's *Dattaka Mimamsa* and its English translation. *Address*: C-11, Mafatal Park, Warden Road, Bombay 26.

GAJANMUKHI, Anna Rao, B.A., LL.B., Ex-Minister for Local Government, Hyderabad-Deccan. b. 1910, s. of Basappa, and Smt. Gangamma; m. Smt. Umabai, d. of Sharanappa; one s. and one d.; *Educ.*: High School, Gulbarga; Osmania Univ., Hyderabad-Dn. Joined the Bar at Gulbarga and became a prominent member; was

Pres., Shankar Sanskrit Coll., Yadgir; twice Municipal Councillor; Pres., Karnatak Parishad held at Sholapur; Secy., Dist. Congress Ctee., Gulbarga; member, Working Ctee., Hyderabad State Congress; M.P., General Secy., Hyderabad Karnatak Provincial Congress Ctee.; member, Hyderabad Pradesh Congress Ctee. *Recreation*: Reading. *Address*: C/o Secretariat, Hyderabad-Deccan.

GANDEI, Devadas, Managing Editor, The Hindustan Times, New Delhi. b. May 22, 1900, Durban (South Africa), y. s. of Mahatma Gandhi; m. Lakshmi, d. of C. Rajagopalachari; three s., Rajmohan Gandhi, Ramchandra Gandhi, Gopalakrishna Gandhi and one d., Tara Gandhi; *Educ.*: South Africa, Gurukul and Santiniketan, India. Began his career as a journalist; generally collaborated with his father in his public activities in the political and social fields in India; went to prison eight times in the course of the Indian Independence movement; assisted on *Young India*, a weekly edited by his father, and the *Independent*, a daily of Allahabad; was twice Pres., Indian & Eastern Newspaper Society and the All-India Newspaper Editors' Conference; Director on Reuters' Board, Press Trust of India. *Publications*: *India Unreconciled; Memories of Bapu.* *Address*: The Hindustan Times, New Delhi.

GANDEI, Manmohan Parashottam, M.A., F.R. Econ. S., F.S.S., J.P., Editor, Indian Cotton Textile and Sugar Industry Annals; Editor, Major Industries Annual; Hon. Professor, Sydenham College, of Commerce (1943-49); Member: Governing Body, Indian Council of Agricultural Research; All-India Council of Technical Education; Indian Central Sugarcane Ctee. b. Nov. 5, 1901; m. Rambhagauri; *Educ.*: Bombay and Banaras Secy., Indian Chamber of Commerce, Calcutta, 1926-36; Secy., Indian Sugar Mills' Assoc., Indian National Committee & Federation of Indian Chambers of Commerce & Industry, 1929-30; Head, Credit Dept., National City Bank of New York, Calcutta, 1936-37; Chief Commercial Manager, Dalmia Cement Ltd., and Rohas Industries, Ltd.; Director, Indian Sugar Syndicate, 1937-40; member, U. P. & Bihar Sugar Control Board, 1940; Controller of Supplies, Calcutta and Bombay, 1941-42; Technical Adviser, Indian Tariff Board, 1947. *Publications*: An Annual each year on Cotton, and Sugar Industries, Hand-looms and on Major Industries in India. *Address*: Jan Mansion, Sir Phirozshah Mehta Road, Bombay.

GANDEI, Phoolchand Ramchand, B.A., LL.B. (Bombay), Ex-Minister, Health and Education, Hyderabad-Dn. b. Sept. 25, 1901; m. Smt. Navabai, d. of Jivraj Gulabchand Mehta, Baramati, 1919; two s., Vipinchandra and Nalinchandra and two d., Indumati and Vanamala; *Educ.*: Poona. Lawyer, for ten years; Pres.: Bar Assoc., Osmanabad; Urban Co-operative Bank, Osmanabad; Dist. Congress Ctee., Osmanabad; Vice-Pres., Dist. Co-operative Bank, Osmanabad; Member, Working Ctee., Hyderabad State Congress and Maharashtra Provincial Congress; Pres., All Hyderabad Jain Assoc. *Recreations*: Cricket, Tennis and Literature. *Address*: C/o Secretariat, Begumpet, Hyderabad-Dn.

GANGWAL, Mishrilal, Chief Minister, Madhya Bharat, since March 1952. b. Samvat, 1950, Indore; *Educ.*: Indore. Took to the profession of his forefathers; is keenly interested in social and cultural work; was elected Pres. of several social and commercial institutions; was highly influenced by Mahatma Gandhi's writings and began to take active part in politics; was elected Pres., Ajmer-Merwara Provincial Congress and Indore Rajya Praja Mandal; was member, Central India States Peoples Conference and of the A.I.C.C. for

several years—courted imprisonment thrice; was member, Indore Legislature; was Food Minister, Indore; was Civil Supplies Minister, Madhya Bharat; Commerce and Industries Minister, 1949-50; Finance Minister, 1950-52; elected Leader, Congress Legislature Party, Madhya Bharat Leg. Assembly, 1952. *Address*: Chief Minister, Indore/Gwalior.

GARIN, H. E. Dr. Vasco Vieira, M.V.O., Envoy Extraordinary & Minister Plenipotentiary of Portugal to India, Thailand and Ceylon. b. June 23, 1907, s. of Marcus Garin and Ernestina Amella da Silva Vieira Garin; m. Phyllis Harrison Garin; *Educ.*: Lyceum; obtained degree in Economics and Financial Sciences from the Univ. of Lisbon, Portugal. Second Secy. to the Portuguese Embassy in London (April 1935-Jan. 1939); Counsellor to the Portuguese Embassy in Washington (Jan. 1941-April 1946); Chief of the Political Dept. in the Portuguese Ministry of Foreign Affairs, Lisbon (April 1946-Sept. 1948). *Recreations*: Reading, Music, Golf, Shooting, Tennis. *Clubs*: Delhi Gymkhana Club; Delhi Golf Club. *Address*: 22, Hardinge Avenue, New Delhi.

GARNER, Joseph John Saville, C.M.G., B.A. (Hons.) (Cambridge), U. K. Civil Service, Deputy Under Secy. of State, Commonwealth Relations Office, since 1953. b. 1903, s. of Joseph and Helena Maria Garner; m. Margaret Beckman; two s. and one d.; *Educ.*: Highgate School; Jesus Coll., Cambridge; Dominions Office, 1930; Deputy High Commissioner for the U.K. in Canada, 1946-48; Assistant Under-Secretary of State, C.R.O., 1948; Deputy High Commr. for U.K. in India, 1951-53. *Address*: Commonwealth Relations Office, Downing Street, London S W 1.

GARWARE, B. D., Governing Director: Garware Motors Limited, Agents for British cars like Lagonda, Jaguar, etc.; Garware Finance Corporation Limited, and Proprietor, Dominion Plastic Industries of Bombay. b. Dec. 21, 1903, at Tasgaon, Dist. Satara; m. Mrs. Vimalabai Garware; four s. all educated at Dulwich Coll., England; *Educ.*: Sangli. Started business in Bombay, 1921; has travelled widely on the Continent and in the United States on several occasions; a keen sportsman. *Recreations*: Cricket, Badminton and Swimming. *Clubs*: All leading clubs in India. *Address*: Chowpatty Chambers, Sandhurst Bridge, Bombay 7.

GAUR, Vrajendra Nath, Journalist, Poet, Playwright, Author and Radio-Feature Writer. b. April 1, 1920. Has been in the film line as Dialogue and Song Writer, since 1945, the pictures to his credit being *Sawan, Panihari, Ratnawali, Gunjan Vo Donan, Mangal Sutra, Neera Aur Nanda, Girls' School, Aukhen, Gaula, Kafil and Sangram*; his latest pictures are *Shamsher, Shikar, Kastoori and Parineeta*; has also signed to direct one picture; his ambition is to write a novel

on present day problems of the common man, after a world tour; knows Hindi, English, Urdu and Gujarati. *Publications*: *In Hindi: Parole Par* (Novel); *Kalkate Ka Kalaam* (Stories) banned by the British India Govt. under Section 144 I.P.C.; *Arjuni Menas, Sindoor Ki Laaj, Bikhri Kaliyan, Kapat Ki Nao, Andheri Raat, Yash Ki Kahaniyan, etc.* *Hobbies*: Touring, Crosswords, Pen Friendship, Gardening, Painting and Photography. *Address*: 144, Kuria Road, Andheri, Bombay; The Bombay Talkies Studios Ltd., Malad, Bombay.



GHANDY, Sir Jehangir Jivaji, Kt., Cr., 1945, C.I.E., 1941, Director, Tata Industries Ltd., Jamshedpur, since 1946. b. November 18, 1896, s. of late J. D. and Almal Ghandy; m. Roohan Devitre, d. of Mr. and Mrs. Devitre, 1948; one s., Amy; *Educ.*: B.A. (Hons.), B.Sc. (Hons.), Bombay University, B.S., School of Business, Columbia University, U.S.A.; B. Met. (Eng.), Carnegie Technological Institute, U.S.A. Member of the Inst. of Engineers (India), Fellow of the Inst. of Fuel (Great Britain), Member of the Iron & Steel Inst. (Great Britain); joined the Tata Iron & Steel Co., Ltd., Jamshedpur, as Metallurgical Engineer, 1921; Supdt., Bar Mill, 1923; Asst. General Supdt., 1925; Gen. Supdt., 1930; Dy. General Manager, 1937; General Manager, 1938; Agent, Tata Sons, Ltd., 1944; Director, Macmillan & Barry Ltd., 1951; Director, Sindri Fertilizers & Chemicals Ltd., 1951; Member, Board of Governors, Indian Institute of Technology; Member, Board and Governing Body, Council of Scientific & Industrial Research; Chairman, Metals Ctee., C.S.I.R.; Past-President, Indian Institute of Metals; Chairman, St. John Ambulance Assoc., Jamshedpur Centre; Asst. Commr. of St. John Ambulance Brigade (Overseas), Singhbhum Sub-District; Associate Knight of the Venerable Order of St. John of Jerusalem. *Address*: The Tata Iron & Steel Co., Ltd., Jamshedpur; 23B, Netaji Subhas Road, Calcutta.

GHATGE, Dr. M. B., B. Ag. (Bom.), Ph.D. (Wales), Agricultural Marketing Adviser to the Govt. of India, since April 1953. b. Jan. 31, 1906; *Educ.*: Agricultural Coll., Poona and Abertsmth (Wales), Gr. Britain. Prof. of Agricultural Economics, Coll. of Agriculture, Poona, 1936-42; Provincial Marketing Officer, Bombay State, 1936-39; Chief Marketing Officer, Bombay and Dy. Food Controller in-charge of Storage and Additional Dir. of Civil Supplies, 1942-46; Dy. Dir. of Agriculture, in-charge of Grow More Food campaign and Five Year Plan, 1946-52; Jt. Dir. of Agriculture (Extension) and in-charge, Grow More Food campaign and Five Year Plan, 1953; travelled extensively in U.S.A. and Japan to study the Agricultural Extension Service. Member: All India Agricultural Economics Conference; Indian Council of Agricultural Research; Indian Central Oilseeds Ctee.; Indian Central sugarcane Ctee.; Indian Standards Institution; Central Tea Board; Indian Central Tobacco Ctee.; Indian Central Arecanut Ctee.; Indian Central Coconut Ctee.; Central Food Standards Ctee., etc. *Address*: Agricultural Marketing Adviser, Govt. of India, New Delhi.

GHATGE, Sambhajirao Appasaheb, B.A. (Hons.), LL.B., Chief Commissioner, Kutch. b. May 1, 1901, s. of Sardar of Akalkot; m. Smt. Tarabai Ghatge of Deשמukh family, Barar; *Educ.*: Akalkot, Sholapur, Poona, Baroda and Bombay. Dy. Collector, 1926; Collector of various districts of Bombay State, 1941-43 and 1945-48; Civil Recruiting Officer for the Province of Bombay during World War II for 2½ years; Civil Administrator, Gulbarga, 1948-50; Director of Local Authorities, Northern Division, Bombay State. *Recreations*: Cricket, Tennis, Shooting, Swimming. *Clubs*: Poona Club Ltd.; Cricket Club of India; Ahmednagar Club. *Address*: Umad Bhuvan, Bhuj, Kutch.

GHOLAP, Laxman Trimabek, B.A. (Hons.), (Lond.), I.C.S., C.I.E. (1946). Chairman, Bombay Port Trust, since Aug. 1949. b. Oct. 4, 1908; m. Manik Patwardhan, B.A., B.T.; *Educ.*: Elphinstone and Deccan Colleges; London School of Economics and Political Science; Inner Temple. Joined I.C.S., 1937; Asst. Collector, Surat, Ahmedabad and Thane; Collector, Thane, East Khandesh and Hyderabad (Sind); Registrar of Cooperative Societies in Sind; Secy., Sind

Govt., Home, General and Legal Depts., Finance Secy., Sind Govt.; Dy. and Joint Secy., Govt. of India, Finance Dept.; Controller of Indian Shipping and Joint Secy., Ministry of Commerce, Govt. of India; Secy., Home Dept., Govt. of Bombay; Secretary to the Govt. of Bombay, Health and Local Govt. Dept. and Education and Industries Dept. *Address*: North End, Carmichael Road, Bombay.

GHOSE, Debesh Chandra, Merchant. b. Jan. 3, 1903, 2nd s. of late Joges Chandra Ghose (of Jalpalguri) and late Subhasini Ghose; m. Gita Ghose (née Mitter); two s. and two d.; *Educ.*: Hare School, Scottish Churches College and Calcutta Medical College, Member, Planning Commission Advisory Panel on Commerce, Central Tea Board, 1949-52; Ex-Pres., Tea Cheats and Plywood Trades Assoc., Calcutta; served as Adviser to Govt. of India Delegation to Ottawa Conference, 1932; Indian Cotton Delegation to Egypt, 1943; Bengal National Chamber of Commerce Executive Ctee., 1943-53; Commissioner, Calcutta Port Trust, 1945 and 1946; member, Indian Tea Licensing Ctee., 1934-52; Indian Tea Market Expansion Board, 1936-49; formerly member, Export Advisory Council, Central Advisory Council of Industries; International Tea Ctee., London; Vice-Pres., Indian Tea Planters' Assoc., Jalpalguri, 1944-46; member, Executive Ctee. of the Federation of Indian Chambers of Commerce & Industry, 1938-44 and 1951-52; served as a Director, Reserve Bank of India, Calcutta Area, 1945-48; Councillor, Corporation of Calcutta, 1946-48; Managing Director, D. C. Ghose & Co. (Agents) Ltd., R. J. Alcock & Co.; Managing Agent and Director, Mahati Tea Syndicate Ltd., Bijaynagar Tea Co. Ltd., etc.; *Recreations*: Tennis, Games, etc. *Clubs*: Calcutta Club Ltd., East Bengal Club; National Sports Club of India; South Club, Calcutta; Daringjee Gymkhana Club; Delhi Gymkhana Club; Royal Automobile Club (London). *Address*: 7, Rudwan Road, Allpore (Calcutta).



GHOSE, Hemendra Prasad, Author and Journalist, Lecturer, Calcutta Univ., Department of Journalism b. 24th Sept. 1876, s. of Girindra Prasad Ghose; m. Monorama; *Educ.*: Calcutta Presidency College; B.A., 1899. Member, Institute of Journalists, London; was a member of the Press Deputation to Mesopotamia, 1917; former Editor, the *Bandemataram*, the *Basumati* and the *Advocate*; representative of the Indian Press of Bengal in the Press Delegation to the Western Front, 1918; Chairman, Reception Ctee. of the All-India Newspaper Editors' Conference held at Calcutta. *Publications*: *Press and Press Laws in India*, *The Famine of 1770*, *Aurobindo the Prophet of Patriotism*, *The Newspaper in India*, etc. *Address*: 12-10, Goa Bagan Street, Calcutta; 'Niladrimaya' Basulisahi, Puri (Orissa).

GHOSE, Bjoy, B.Sc. (Allahabad), General Secretary, Communist Party of India. b. Feb. 20, 1909; m. Smt. Lito Rai; *Educ.*: Kanpur and Allahabad. Accused in Lahore Conspiracy Case, 1929; worked in Mazdoor Sabha, Kanpur; member, Central Ctee. of the C.P.I., since 1933. *Publication*: *Bhagat Singh and His Comrades*. *Address*: Raj Bhuvan, Sandhurst Road, Bombay 4.

GHOSE, Bjoy Kumar, B.Sc. (London), I.C.S., Ex-Chief Commissioner, Andaman and Nicobars. b. April 14, 1908, 2nd s. of Mahim Chandra Ghosh, late Judge, Calcutta High Court; m. Mallika Sen; two s.; *Educ.*: St. Paul's School, Darjeeling; King's Coll., London. Entered the I.C.S., 1932; served in undivided Bengal as Asstt. Magistrate, Joint Magistrate and Dist. Magistrate, 1932-42; and as Dy. Secy. and Joint Secy.,

1942-47; Joint Secy., West Bengal, 1947-49. *Recreations*: Swimming; Fishing; Reading. *Clubs*: Calcutta Club; Lake Club. *Address*: C/o The Home Ministry, New Delhi.

GHOSE, Amalananda, M.A., Director-General of Archaeology, Govt. of India, since 1953. b. March 3, 1910, s. of late Upendra Nath Ghosh, Head Master, A. B. H. School, Banaras; m. Smt. Sudha Ghosh, d. of Dr. B. K. De; one s. and one d.; *Educ.*: A. B. H. School, Banaras; Queen's Coll., Banaras; Allahabad Univ., Asstt. Supdt., Archaeological Survey of India, 1937-44; Superintendent, 1944-49; Dy. Director-General for Exploration, 1949-52; Jt. Director-General of Archaeology, 1952-53; excavated at Ahichchhatra, Taxila, Arikamedu, Harappa, etc., etc.; conducted exploration in Bikaner and other places. *Publications*: Numerous articles on Indian history and Archaeology. *Address*: Director-General of Archaeology in India, Curzon Road Barracks, New Delhi.

GHOSE, Haricharan, B.A. (Hons.) (Econ.), M.A. (Mathematical Econ.), B.L., Chief Director, Multipurpose National Sample Survey, Dept. of Economic Affairs, Ministry of Finance, Government of India. b. Jan. 1903, s. of Hrishikesh Ghosh, Retd. D.S.P., 24 Parg., Alipur, and Smt. Swarnamoyee Devi; m. Asha Ghosh (née Asha Basu of Balaram Basu's family, Calcutta); two s., Brajadulal and Nimal, and two d., Geeta Deb and Savitri Ghosh; *Educ.*: South Suburban School, Bhawanipur, Calcutta, Presidency Coll., Calcutta and Calcutta Univ. Law Coll.; Preuchand Roychand Scholar (1930), Mount Medallist (1932). Professor of Economics, Ramjas Coll., Delhi, 1926-29; Lecturer in the Dept. of Economics and Commerce, Calcutta Univ., 1930-48; Vice-Principal, Commerce Dept. and Senior Professor of Economics and Civics, Bangabasi Coll., Calcutta, 1930-43; Director of Industrial Statistics, Ministry of Commerce & Industry, Govt. of India, 1949-51. *Publications*: A large number of papers on General Theory and Indian Economics, Indian Finance (1921-31). *Recreations*: Tennis; Cards. *Address*: New Delhi.

GHOSE, Shashi Chandra, Managing Proprietor, Universal Trading Co., Calcutta; Managing Director, South Jambad Coal Co., Ltd., New Gobindapur Coal Co., Ltd., Ghosh's Estate Ltd., Owners of Coal & China Clay Mines. b. In Calcutta on February 15, 1888. Twice elected as Chairman of the Indian Mining Federation (1930 & 1940); nominated by the Government of India as Employers' Delegate Adviser, 15th International Labour Conference, Geneva (1931); elected President, Geological Mining & Metallurgical Society of India, 1946-47; served as a Joint Honorary Secretary of the Bengal National Chamber of Commerce, Calcutta; elected on the Calcutta Port Trust (1931-32); Calcutta Improvement Trust (1927); Indian Coal Grading Board (1926-29 and 1932-33); Indian Soft Coke Cess Committee (1930-34); Coal Wagon Supply Committee (Railway Board); Railway Rates Advisory Committee (1930-33); E. I. Railway Calcutta Advisory Committee (1938, '29, '30, '31); Board of Income-Tax Referees, Bengal; Board of Industrial Conciliation Panel (Bengal); Asanool Mines Board of Health; nominated by the Govt. of India as Delegate to the International Coal Mining Committee held in London in December 1945; member, Coal Advisory Ctee., Ministry of Production, Govt. of India. *Address*: 33, Canning Street, Calcutta.



GHOSE, Surendra Nath, M.A., LL.B., Journalist; Editor, *The Pioneer*, Lucknow, since 1946. b. May 20, 1904, s. of Harish Chandra Ghosh; m. Biva Chowdhury; three s.; *Educ.*: Allahabad University. Started as a reporter;

later became News Editor and subsequently Chief Assistant Editor of *The Pioneer*: Press, U.P. Press Consultative Ctee.; Member: U.P. Planning Commission; Standing Ctee. of the All-India Newspaper Editors' Conference. *Hobbies*: Gardening. *Address*: The Pioneer House, Lucknow.

GHOSE, Tarun Kanti, B.A., M.L.A. Deputy Minister, Development (Township) and Food, Relief & Supplies (Relief), Govt. of West Bengal, since June 1952. *b.* Feb. 1, 1924, *s.* of Tushar Kanti Ghosh, Editor, *Amrita Bazar Patrika* and Smt. Bibharani Ghosh; *g. s.* of late Mahatma Sisir Kumar Ghosh, Founder of the *Amrita Bazar Patrika*; *m.* Smt. Surva Ghosh; one *s.* and one *d.*; *Educ.*: Presidency Coll., Calcutta. Started his career as Asstt. Manager, *Amrita Bazar Patrika*, Allahabad; was Gen. Manager and



Joint Secy., Allahabad and Calcutta Offices of the *Amrita Bazar Patrika*; organized the Relief Fund for East Bengal Refugees, 1946, took a very prominent part in the pre-independence Bengal Partition movement; was Chairman, Reception Ctee., All India Students Congress at Allahabad, presided over by Sri Jayprakash Narain; took keen interest in opening a Relief Fund in his own organizations known as "Patrika-Jugantar East Bengal Refugee Relief Fund"; was elected M.L.A., West Bengal from Habra (24 Parganas Constituency) on Congress ticket. *Hobbies*: Reading of books. *Clubs*: Calcutta Club, Lower Circular Road; Cossipore Club. *Address*: 14, Ananda Chatterjee Lane, Calcutta 3.

GHOSE, Tushar Kanti, B.A., Editor, Amrita Bazar Patrika, Calcutta and Allahabad. *b.* Oct. 4, 1899; *m.* Bibharani Dutt; *Educ.*: Calcutta Univ., Bangladesh & Vidyasagar Coll. Started as sub-editor, 1920; founded *Jugantar* (Calcutta), Bengali daily; founded *Allahabad Patrika*, English daily; founded *Amrit Patrika* (Allahabad), Hindi daily; President: All-India Newspaper Editors' Conference (1946-47); Indian & Eastern Newspaper Society (1948-49); represented India at the Empire Press Union Conference in London, June 1946, and travelled extensively; President: Indian Journalists' Assoc., Calcutta; Andhra Journalists' Conference at Guntur, 1937; All-India Printers' Conference at Poona, 1939; All Jammu and Kashmir Conference; Bengal Film Journalists' Assoc. and All-India Film Journalists' Conference, Lahore, 1941; Director: Press Trust of India; United Press of India; The Jugantar Ltd.; Director-in-Charge, *Amrita Bazar Patrika Ltd.* Leader, Indian Press Delegation to Egypt, 1950-51; member, Central Board of Film Censors. *Address*: "Patrika House", 14, Ananda Chatterjee Lane, Calcutta; 10, Edmonstone Road, Allahabad.



GIBBS, Air Marshal Gerald Ernest, C.I.E. (1946), C.B.E. (1945), M.C., Ex-Chief of the Air Staff and Commander-in-Chief, Indian Air Force. *b.* Sept. 3, 1896, *s.* of Ernest William Cecil and Fanny Wilmina Gibbs; *m.* Margaret Jean Bradshaw, 1938; one *s.* and one *d.* Served European War, 1914-18; transferred from Army to R.F.C., 1916 and R.A.F., 1918 (M.C. and 2 Bars, Legion d'honneur, Croix de Guerre); served various overseas periods with R.A.F. in Iraq, Palestine, Sudan and Kenya between the two Wars; Senior Air Staff Officer, No. 11



Group, Fighter Command, 1940-41; Director of Overseas Operations, Air Ministry, 1942-43; Senior Air Staff Officer, H.Q. 3rd Tactical Air Force, South-East Asia, 1943-44; Senior Air Staff Officer, H.Q., R.A.F. Burma, 1945; Chief Air Staff Officer, Supreme H.Q., S.E.A.C., 1945-46; Senior Air Staff Officer, H.Q., R.A.F. Transport Command, 1946-48; Service Adviser to U.K. Delegation, U.N. and Chairman, U.K. Delegation to Military Staff Committee, U.N., 1949-51; Chief of Air Staff and C-in-C, I.A.F., 1951-54. *Hobbies*: Golf, skiing, sailing. *Clubs*: Royal Air Force, Royal Wimbledon Golf; Walton Heath Golf. *Address*: C/o Air Headquarters, New Delhi.

GIDWANI, Dr. Chotram P., M.P. President, All-India Refugee Association. *b.* Dec. 25, 1889 in Hyderabad-Sind; *Educ.*: Medical School, Hyderabad-Sind. Started public career at the time of Swadeshi Movement in connection with the Partition of Bengal, 1907; since then, has taken active part in all National Movements, including social as well as educational, particularly political and has been in prison for various terms, between 1919 and 1947; Pres., Sind Provincial Congress Ctee. for over 25 years; member, Sind Leg. Assembly, 1946; was Chairman, Reception Ctee. of the historic Karachi session of Indian National Congress; member: A.I.C.C.; Working Ctee. of A.I.C.C.; opposed the partition of the country in the meeting of A.I.C.C., July 1947, started refugee work, all over India, Nov. 1947; has been Pres., All-India Refugee Assoc. for the last four years. *Address*: 127, Mahatma Gandhi Road, Bombay 1.

GILDER, Dr. Manchersha Dhanjibhai Dhorabji, B.A., L.M. & S. (Bombay), M.D. (London), F.R.C.S. (Eng.), Ex-Minister, Public Health and Medicine, Govt. of Bombay. *b.* Nov. 1882; *m.* Miss Hirabai Ardeshir Contractor, L.M. & S.; *Educ.*: St. Xavier's Coll., Bombay, Grant Medical College, Bombay, University College, London. Formerly Hon. Physician, Goculdas Tejpal Hospital and Physician in-charge, Parsi Fever Hospital; Hon. Physician, King Edward VII Memorial Hospital, Bombay, and Lecturer in Medicine, Seth G. S. Medical College. *Publications*: *The Human Electrocardiogram* (with Sir Thomas Lewis); *The Pulse in Aortic Disease*. *Address*: 67F, Warden Road, Bombay.

GILL, Piara Singh, M.S. (SO. Calif.), Ph.D. (Chicago), F.N.I., Fellow, American Physical Soc., Professor of Physics and Dean, Faculty of Science, Muslim Univ., Aligarh. Director, Gulmarg Research Observatory. *b.* October 28, 1911, *s.* of S. Basant Singh; *m.* Chambell Hukamchand; two *d.*, Nishtha and Surlantha. *Publications*: Extensive work on Cosmic Rays. *Address*: Aligarh University, Aligarh.

GINWALA, Sir Padamji Pestonji, Kt. (1927), B.A. (Hist. Tripos, Cambridge), Barrister-at-Law, Adviser to the Indian Iron & Steel Co., Ltd.; Indian Standard Wagon Co., Ltd. and Burn & Co., Ltd.; Director, Steel Corporation of Bengal; Indian Iron & Steel Co., Ltd.; Indian Standard Wagon Co., Ltd.; India Steamship Co., Ltd.; British Burma Petroleum Co., Ltd. (London); Member, London Board, Indian Iron and Steel Co., Ltd. *b.* Nov. 1875; *m.* Frenny Bezonji; *Educ.*: Govt. High School and Gujarat Coll., Ahmedabad; Trinity Hall, Cambridge; called to the Bar, 1899. Advocate, Chief Court of Lower Burma, 1905; Member, Legislative Assembly, 1921-23; Member, Indian Tariff Board, 1923; President, 1926-1930; resigned, July 1930; Delegate, Imperial Conference, 1930; Member, Round Table Conference, 1931; Ottawa Conference, 1932; World Economic

Conference, 1933; President, Indian Air Force Pilots Selection Board, 1940 and 1941; Chairman, Iron and Steel (Major) Panel, 1945; Chairman, Calcutta Terminal Facilities Committee, 1947; Pres., Indian Institute of Metals. *Address*: 12, Mission Row, Calcutta.

GIRI, V. V., Barrister-at-Law, Minister for Labour, Govt. of India, since May 1952. *b.* Aug. 10, 1894, in Berhampore; *m.* V. Saraswathi; *Educ.*: National Univ., Ireland. Trade Union leader for many years; General Secy. and Pres. of the All-India Railwaymen's Federation; twice Pres. of the All-India Trade Union Congress; Indian Workers' delegate to the International Labour Conference at Geneva in 1927; Workers' Representative in the Second Round Table Conference, London, 1931; Member, Central Legislative Assembly for several years; Minister for Labour, Industries and Co-operation in the Madras Ministry during 1937-39; Minister in the Madras Govt. in 1946; High Commissioner for India in Ceylon. *Address*: Ministry of Labour, Govt. of India, New Delhi.



GITARAM, Garg, B.A., C.E., Raj Bahadur (Jan. 1943), Special Commissioner, Canal Waters, Govt. of India, since March 1953. *b.* Sept. 30, 1894, *s.* of L. Harprasad, Banker, Karnal (Punjab) and Shrinati Sukh Devi; *m.* Shri. Bhagwati Devi; two *s.* and four *d.*; *Educ.*: Govt. High School, Karnal; Govt. College, Lahore; Civil Engineering Coll., Roorkee; Scholarship holder since 8th class. Joined Irrigation Branch, Punjab, in Sept. 1918 as Engineer; as Sub-Divisional Officer was associated with the Thal Surveys and Projects and prepared Patti or lesser Thal Project; Executive Engineer, 1926-40; Superintending Engineer, March 1940-44; was appointed in January 1944 as officer on Special Duty to assist the Chief Engineer in the administration of Western Canals and was responsible for the administration of all the circles of Sutlej Valley Project; Chief Engineer, Irrigation Branch, East Punjab, Dec. 1940 to Sept. 1949; Dir., Irrigation, 1950-53. *Hobbies*: Reading religious books. *Address*: Ministry of I. & P., North Block, New Delhi.

GODE, Parashuram Krishna, B.A. (Hons.), M.A., Curator, Bhandarkar Oriental Research Institute, Poona, since 1919. *b.* July 11, 1891, *s.* of Krishnaji Govind (decease of Bhadrakamla); *m.* Miss Rangabai Tophkhane of Kolhapur; two *s.* and one *d.*; *Educ.*: The New English School and Ferguson Coll., Poona. Professor of English and Sanskrit, Indian Women's Univ., 1918-19; Associate Member, "Ecole Française d'Extreme-Orient" (Hanoi); Hony. Pres., "Cultural Ctee. of Argentine"; Hon. Editor, "Annual Bibliography of Indian Archaeology, (Leyden); Hon. Collaborator, "Bibliography of Indian Philosophy," etc.; Distinguished Services Silver Jubilee Medal of B.O.E. Institute (1943); Recognised Professor of Ancient Indian Culture of Poona Univ., publicly honoured on May 18, 1949 by presenting the press copy of more than 100 papers from all parts of the world received for Gode Commemoration Volume. *Publications*: Author of more than 435 research papers on Indology published in 60 different journals and volumes (1916-53); Editor of *New Indian Antiquary, Review of Philosophy and Religion, Oriental Literary Digest*; Editor of Seven Commemoration Volumes; Editor, revised edition of Apte's Sanskrit-English Dictionary; Author of several volumes of descriptive catalogue of manuscripts. *Address*: Deccan Gymkhana Colony, Poona 4.

GOENKA, Rai Bahadur Sir Badridas, Kt., C.I.E., B.A., Merchant, Banker, Mill-owner, Hindu Marwari. b. 1883, s. of late Rameshchandra Goenka; m. Manorama, 2nd d. of late Rai Bahadur Durga Prasad, Rals of Farrukhbad, U.P., 1899. *Educ.*: Graduated from the Presidency Coll., Calcutta, 1905. Partner, Ramdutt Ramkissendass; Chairman: Board of Directors: Hukumchand Jute Mills Ltd.; Hercules Insurance Co., Ltd.; New India Investment Corp. Ltd.; Kania Mills Ltd.; Standard General Assurance Co., Ltd.



Director: Reserve Bank of India (Central Board), 1935-41; Imperial Bank of India; Hindustan Motors Ltd.; Railis India Ltd.; Pres.: Federation of Indian Chambers of Commerce & Industries, 1945-46; Marwari Assoc., 1928-30; Indian Chamber of Commerce, 1941; Trustee: Calcutta Improvement Trust, 1928-40; Victoria Memorial Hall, Calcutta; member: Bengal Legislative Council, 1923-35; Sheriff of Calcutta, 1932-33; made Rai Bahadur, 1925, C.I.E., 1928 and Knight Bachelor, 1934. *Club*: Calcutta Club. *Address*: "Goenka Niwas," 19, Belvedere Road, Alipore, Calcutta.

GOENKA, Keshav Prasad, Partner, Ramdutt Ramkissendass. b. 1912, s. of Sir Badridas Goenka. Sheriff of Calcutta (1950-51); Vice-Chairman, Central Tea Board; Member, Ctee. of the All-India Organisation of the Industrial Employers; International Chamber of Commerce; Import Advisory Council, Govt. of India; Indian Central Jute Ctee. (1930-42); Bengal Economic Enquiry Ctee. (1938-41); Ctee. of the Indian Chamber of Commerce; Pres.: Indian Chamber of Commerce (1948-49); Indian Insurance Association, Calcutta (1948-50);



Chairman, The Hind Bank Ltd., Vice-Chairman, Duncan Brothers & Co. Ltd.; Director: Reserve Bank of India (1948-49); Anglo-India Jute Mills Co., Ltd.; Auckland Jute Co., Ltd.; Amalgamated Coalfields Ltd.; Bhaktawa Tea Co., Ltd., Calcutta Landing & Shipping Co., Ltd.; Calcutta Investment Co., Ltd.; Carw & Co., Ltd., Dalhousie Jute Co., Ltd.; Hantapara Tea Co., Ltd.; Hatikihra Tea Co., Ltd., Karanpura Collieries Ltd.; National Tobacco Co. of India Ltd.; New India Investment Co., Ltd.; Octavius Steel Co., Ltd.; Patrakola Tea Co., Ltd.; Pench Valley Coal Co., Ltd.; Standard General Asser. Co., Ltd.; Tezpur Tea Co., Ltd.; Titagur Paper Mills Ltd.; Triton Insurance Co., Ltd.; United Provinces Sugar Co., Ltd., etc. *Club*: Calcutta Club. *Address*: Ramdutt Ramkissendass, Bombay Mutual Bldg., 9, Brabourne Road, Calcutta. *Residence*: "Goenka Niwas," 19, Belvedere Road, Calcutta.

GOENKA, Ramanath, Managing Editor, *Indian Express* and *Sunday Standard*. b. May 11, 1902, s. of Basantlal Goenka; m. Smt. Moongibai; one s. and two d. *Address*: *Indian Express*, Mount Road, Madras 2.

GOKAK, Vinayak Krishna, M.A. and M.A. (Bom. & Oxon.), First Class in English. B.A., First Class in English Language & Literature, in Oxford, Principal and Professor of English, Karnatak College, Dharwar. b. Aug. 9, 1909, s. of Gokak Krishna Rao and Sundrabai; m. Sharada Betadur, one s. and three d.; *Educ.*: Majid High School, Savanur; Karnatak College, Dharwar; Jesus College, Oxford. Prof. of English, Ferguson Coll., 1931-36; Prof. of English and Principal, Willingdon Coll., Sangli, 1938-44; Prof. of English, Omania Univ.,

1944-46; Wilson Philological Lecturer in English, Bombay Univ., 1943-44; Pres., Kannada Poets' Conference, 1934; Karnatak Educational Conference, 1943; Principal, M. N. College, Vianagar (1940-49); Principal and Prof. of English, Rajaram College, Kolhapur. *Publications*: *The Song of Life*, a collection of lyrics in English; *The Poetic Approach to Language* (O. U. P.), novel, three plays and several collections of lyrics, letters and essays in Kannada. *Address*: Karnatak College, Dharwar.

GOKHALE, H.E. Shalchandra Krishna, M.A. (Bombay), B.A. (Cantab.), I.C.S., G.S.I. (1st Jan. 1946), C.I.E. (1st Jan. 1949), Indian Ambassador to Nepal. b. July 23, 1892; m. Chhabu Oka in June 1919; *Educ.*: Ferguson Coll., Poona, Wilson Coll., Bombay, Fitz-William Hall, Cambridge, Asst. Magistrate & Joint Magistrate, Cuttack; S.D.O., Khurda; Settlement Officer, Chota-Nagpur; District Officer, Manbhum, Gaya and Monghyr (Bihar), Secretary to the Govt. of Bihar, Education & Development Depts. and subsequently Finance Dept.; Commissioner of Bhagalpur & Patna Divisions; Adviser to H.E. the Governor of Orissa; Administrator, Damodar Project, Hazaribagh; Secretary, Govt. of India, Ministry of Works, Production and Supply. *Publications*: Final report of the Survey & Settlement operations in Manbhum District, 1927; Final report of Revision Survey & Settlement operations in Kodarma, Government Estate. *Address*: Indian Embassy, Khatmandu

GOKHALE, Tryambak Sadashiv, B.Sc., I.L.B., Hon. Chief Organizer, Malwa Bhil Sewak Sangha, Indore. b. Aug. 24, 1903, s. of Pt. Sadashivarao Gokhale of Ujjain & Shrin Durgabai, d. of Pt. Vasudeo Rao Datey of Ujjain; m. d. of Dr. L. K. Chitale of Shujapur, Madhya Bharat, three s. and two d.; *Educ.*: Madhya Coll., Ujjain; Victoria Coll., Lashkar-Gwallor; Law Coll., Bombay; Demonstrator (Physics), Madhya Coll., Ujjain, 1925-30; Secy., All-India Spinners' Assoc., Central India Branch, 1930-35; Practising Pleader & Political worker, since 1939; twice Pres., Gwallor State Congress, first popular Labour Minister, Gwallor State, Aug. 1947-Jan. 1948; Chief Administrator, Dhar Group of 9 States, Madhya Bharat, June to Nov. 1948; Popular Revenue & Labour Minister, Madhya Bharat, June 1949-Jan. 1950. *Address*: Sardarpur, Dist. Dhar, Madhya Bharat State

GONDAL: H. H. Shri Vikramsinhji, Maharaja Thakore Saheb of. b. October 13, 1914; m. Nayankunverba Sahiba, sister of the Raja Dhruv of Achrol, 1937; two s. and two d.; *Educ.*: Bangalore. Has been associated with the Maharaja Saheb Shri Bhojrajil Bahadur in the administration of former State, interested in the welfare and prosperity of the people of the State, especially agriculturists; was elected as a member of the Constituent Assembly, United State of Saurashtra, by a huge majority of votes from the Gondal constituency. *Address*: Gondal.

GONI, Abdul Ghani, B.A., I.L.B., Parliamentary Secretary, Development Ministry, Jammu and Kashmir Govt. b. June 16, 1920, s. of Kh. Ghulam Hassan Goni; m. Mrs. Goni; two d. *Educ.*: B.A. from Prince of Wales Coll., Jammu; I.L.B. from Benaras Hindu Univ., 1948. Started practice; elected District Pres., National Conference, Doda; Member, Working Ctee., All Jammu and Kashmir National Conference; elected member, Jammu and Kashmir Assembly. *Recreation*: Photography. *Address*: P.O. Doda, District Doda, Jammu and Kashmir State.

GOPAL, M. R., Business man. b. October 1909; *Educ.*: Madras. Proprietor, G. Janshi & Co., Madras; Partner, Amrut & Co., Cochin; Prop., Janshi Scale Ice Factory, Tanur. Widely travelled on business. *Address*: 2/163, Mount Road, Madras.

GOPALAKRISHNAN, P. K., B.A. (Hons.) (Madras), O.B.E., Joint Secy., and Vegetable Oil Products Controller in India, Ministry of Food & Agriculture, Govt. of India. b. Dec. 20, 1909, s. of Mr. & Mrs. P. A. Anantha Narayan Iyer; *Educ.*: Presidency College, Madras; Univ. College, London. Joined the I.C.S. after passing the competitive exam. in London, 1932, served in many Districts of U.P.; Finance Secy. to U.P. Govt., April 1947 to Dec. 1949; Financial Commissioner and Commissioner for Food and Civil Supplies, U.P. Govt., till May 1951. *Clubs*: Nainital B.H. Club Ltd., Mohamed Bagh Club, Lucknow and Gymkhana Club, Delhi. *Address*: 1, Curzon Lane, New Delhi

GOPALAN, A. K., M.P. b. Feb. 20, 1909, s. of Hyru Nambiar and Sint, Madhavi Amma. Educ.: Tellicherry, Malabar and Madras. Political worker. *Address*: 2, Windsor Place, New Delhi.

GOPALASWAMI, K., Ex-Editor, *The Times of India*, *Sunday News of India* and *Evening News of India*. b. January 23, 1902, s. of K. Kesavachariar; m. Rajalakshmi, one s. and four d.; *Educ.*: Pachaiyappa's College, Madras. Joined *The Times of India* editorial staff, 1923; retd. from *The Times of India*, Dec. 1948; Editor, *Bharat*, December 1948-January 1950; Editor, *The Times of India*, Feb. to June 1950. *Recreations*: Tennis, Bridge. *Clubs*: Constitution Club, Delhi; I.D.G., Delhi; C.C.I., Bombay; Cosmopolitan Club, Madras. *Address*: 3, Malabar Court, Ridge Road, Bombay 6.

GOPALASWAMY, Kurma Venu, B.A. (Madras), M.A. (Oxon), Bar-at-Law, Registrar, Andhra University, since 1942. b. Dec. 19, 1903, s. of Dr. Sir Kurma Venkata Reddy Naidu, Kt., K.C.I.E., M.L.C. and Lady Lakshminthamma Kurma; m. Seshu Bai, d. of Rao Sahib Polliseti Ranganayakulu Naidu; one d. and one s.; *Educ.*: C. M. S. High School, Ellore; Christian College, Madras; Balliol College, Oxford; Inner Temple, London. Pres., Oxford Majlis H. T., 1927; Prof. of History, Anglo-American Universities College, Madras, 1928-29; Private Secy. to the Agent of Govt. of India in S. Africa, 1930-31; Advocate, High Court of Madras, 1933-42; Independent candidate for election to the Madras Legislative Assembly, 1937; elected Registrar, Andhra Univ., 1942; First Univ. Prof. of Law, Andhra Univ., 1945; Pres., Rotary Club, Guntur, 1944. *Publications*: *Limitations of Diarchy as a First Step Towards Representative Government*; *Stories and Plays in Telugu* in collaboration with Mrs. Seshu Bai Gopalaswamy. *Recreation*: Bridge. *Clubs*: The "Presidency," Madras; Waltair Club, Waltair; Century Club, Vizagapatam, etc. *Address*: University Camps, Waltair.

GORDE, Dr. D. P., Specialist Surgeon in eye, ear, nose and throat. b. 1907; *Educ.*: Ahmednagar and Christian Medical School, Miraj; m. Miss Vinala (Ruth) Dutt in 1938. Served the Medical Centre at Miraj as a Surgeon and Specialist (Ear, Eye, Nose, Throat) for eight years; was a Professor of Ophthalmology and Otolaryngology in the Medical School for 8 years; has to his credit the Corneal Transplantation Research; takes keen interest in social and public activities, was



President of Miraj Municipality in 1939, is founder and was President of the Maharashtra Mandal at Miraj (Medical Centre); was editor of the Medical School magazine for several years; now conducts Gorde's Clinic at Miraj as a Specialist Surgeon; was member of the Miraj Senior State Legislative Assembly for three years; was a member of the Bakhale Constitutional Reforms Committee for Miraj Senior State in 1944; Pres., Rotary Club

of Bangli, 1951-52; Moderator of the Church Council of the United Church in Northern India; Chairman, Board of Administration, Miraj Medical Centre. Address: Dr. Gorde's Clinic, Miraj (S.M.C.).

GOVINDARAJAN, N., B.A., B.E., Member, Union Public Service Commission, since May 1950. b. Dec. 10, 1890; m.; one d.; Educ.: Kumbakonam Coll. for the Arts Course and Engineering College, Madras. Started as an apprentice Engineer; was successively Asstt. Engineer, Executive Engineer, Suptg. Engineer, Chief Engineer, Irrigation and Chief Engineer, Special in Charge of execution of Thungabhadra project and investigation of Ramapadasagar project; was on deputation in U.K. and U.S.A., Oct. 1945—March 1946, in connection with the purchase of machinery for the Thungabhadra project and forming a Board of Consulting Engineers for the Ramapadasagar project; inspected many dams in U.S.A. and U.K.; has also seen the Assuan dam in Egypt, some dams in Switzerland and the Genesiat dam in France. Recreations: Tennis and Billiards. Address: 66, Lloyd Road, Royapettah, Madras; Parliament House, New Delhi.

GOVINDARAJULU, Prof. L. K., B.A., B.L., Dip. in Phy. Edu., Professor and Director of Physical Education, Annamalai Univ., since 1929. b. Feb. 17, 1899, S. Arcot; Educ.: Chidambaram; Pachayappa's, and Law Colleges, Madras and Trivandrum. Lecturer in English, Sri Meenakshi Coll., 1923-29; keen on social service and scouting; Asstt. and then Dist. Scout Commissioner, S. Arcot; member, Provincial Executive, Hinduisthan Scouts until 1943; awarded the Thanks Badge, 1942; served on District and Provincial Ctees. of Govt. on physical education, presided over the Physical Education Section, All-India Educ. Conf., Bombay, 1938 and three Provincial Conferences on Phy. Educ., Madras; presented by invitation a paper on National Fitness at the 4th Ind. Conf. of Social Work; Editor: Buck Comm. Vol. 1949 and Souvenir, 12th Madras Phy. Edu. Conf., 1947; Editor, Vyayam (J. of Phy. Edu.), Madras, 1949-52; since April 1953, serving (on loan upto June 1954) as Head of Instruction, Army School of Phy. Educ. for Ex-Ser. men, Madras, Publications: Memoir on I.L.C. Buck and Brochures on Suryanamaskars and Yogic Asanas. Recreations: Tennis; Cricket; Photography; Gun-sport. Address: Annamalai Univ., Annamalaiagar, S. India.



GOVINDAS, Seth, Sahitya Vachaspati (Dec. 1940). Member, Indian Parliament. b. Vijay Dhami Day, 1896, s. of B. Jiwan Das and g.s. of Raja Gokuldas; m. in Sikar State (Rajasthan); two s. and two d.; Educ.: received high standard education at home in Hindi, English and Sanskrit. Entered Politics, 1919; organised non-co-operation movement in M.P., 1921; elected to the Central Assembly, 1923; courted imprisonment 5 times and remained 8 years in prison; member, A.I.C.C., since 1921; Pres.: A.I. Hindi Sahitya Sammelan, 1949; Mahakopah Pradash Congress Ctee; A.I. Gosevak Samaj. Publications: Has written 84 plays in Hindi and one novel Indumati. Recreation: Study of literature on politics and social science. Address: 3, Canning Lane, New Delhi; Raja Gokuldas Palace, Jabalpur (M.P.).

GRACIAS, His Eminence Valerian Cardinal, D.D., M. Agg., Archbishop of Bombay since Dec. 1, 1950. b. October 23, 1900; Educ.: St. Patrick's High School, Karachi; St. Joseph's Seminary, Mangalore; The Papal Seminary, Kandy, Ceylon and The Gregorian Univ., Rome. Secy. to the Archbishop (1929-1936); Chancellor of the Archdiocese since 1929; Editor of The Messenger of the Sacred Heart (1935); Co-Editor of The Examiner

(1938); Rector of the Pro-Cathedral since Dec. 1941; Titular Bishop of Tanna & Auxillary to the Archbishop of Bombay, 16th May 1946-Dec. 1950. Publications: Features of Christian Life; Heaven and Home; The Vatican and International Policy. Address: Archbishop's House, Bombay 1.

GUHA, Arun Chandra, B.A. (Calcutta), M.P., Dy. Minister for Finance, Govt. of India; Journalist, Publisher, Author and Printer. b. April 1892, s. of late Kailas Chandra Guha and late Mrs. Rajlakshmi Guha; Educ.: B. M. School and Coll., Barisal (East Bengal). Joined the 'Yugantar Party'—the revolutionary party; after graduating, went underground during the First World War in connection with the Indo-German conspiracy; was in jail for over 23 years under Regulation III of 1818 as a State prisoner at several places; Gen. Secy., Bengal P.C.C., 1940-41; member, A.I.C.C. since 1938. Publications: has written short stories, novels and books on History, Politics and Cultural and Juvenile topics, Editor, Mandira, Bengali literary monthly and Dir. Forward, political and cultural English weekly. Address: 32, Upper Circular Road, Calcutta; 25, Queensway, New Delhi.

GUHA, Dr. Bires Chandra, M.Sc. (Cal.), Ph.D., D.Sc. (Lond.), Member, Damodar Valley Corporation, since July 1948. b. 7th June 1904; Educ.: Calcutta, London and Cambridge; noted for his researches in Biochemistry with special reference to food and nutrition; Ghose Professor of Applied Chemistry at Calcutta Univ. since 1938; on loan to the Govt. of India in the Food Department as Chief Technical Adviser, July 1944-June 1947; Ex-Counsellor, UNESCO; President of the Chemistry Section of the Indian Science Congress (1945); Pres., Assoc. of Scientific Workers of India; member: International Ctee. for Biochemistry. Publications: Numerous scientific publications on biochemical and nutritional subjects. Address: 53/5, Manohar Pukur Road, Calcutta 29.

GUHA, Mr. Justice Braja Kanta, B.A. (Calcutta), I.C.S., Judge, High Court, Calcutta, since 1949. b. July 3, 1900, s. of late Sarada Kanta Guha; m. Smt. Bela Guha; one d. Educ.: High School, Hallakandi (Assam); Presidency Coll., Calcutta; Brinsford Coll., Oxford. Asstt. Magistrate and Collector, Bengal; Under-Secy., Finance Dept., Bengal Secretariat, District Judge, Bengal; Judicial Secy. and Legal Remembrancer, and Secy., Legislative Dept., Bengal; Relief Commissioner, Bengal. Recreations: Gardening; Horticulture. Clubs: Asiatic Society, Calcutta. Address: 121, Rash Behari Avenue, Calcutta 29.

GULABCHAND, Hirschand. b. 1896, at Sholapur; Educ.: Sholapur, Poona and Bombay. Chairman: The Premier Construction Co. Ltd.; Walchandnagar Industries Ltd.; The Itanvalgaon Sugar Farm Ltd.; Walchand & Co. Ltd.; Deccan Sugar Factories Assoc., 1942-43, 1947-48 and 1951-52; Deccan Sugar Technologists' Assoc., 1951-52, member: Bombay State Sugarcane Ctee.; Indian Central Sugarcane Ctee.; Indian Sugar Mills Assoc.; visited U.K., the Continent and U.S.A., 1939 and 1951; sentenced to 18 months' R.I. and fined Rs. 20,000 for breaking the restrictions placed on him during 1932 political movement. Pres., Indian Sugar Mills Assoc., 1953-54. Address: Construction House, Wiltet Road, Ballard Estate, Bombay 1.



GULAMJILANI, Bilkhan, Sardar, Nawab of Wad, First Class Sardar of the Deccan and a Treaty Chief. b. July 28, 1855; m. sister of H. H. the Nawab Saheb Bahadur of Jaora, who died in 1930; Educ.: Rajkumar College, Rajkot. Served in the Imperial Cadet Corps for two years, 1908-09; was

additional member, Bombay Legislative Council; and member, Legislative Assembly, 1921-1923. Address: The Palace, Wal, District Satara.

GULHATI, Niranjan Das, I.S.E., M.I.E., M. Am. Soc. C.E., Chief of Natural Resources Division, Planning Commission; Deputy Secy. to the Govt. of India, Ministry of Irrigation & Power, since Oct. 1948 and Secretary-General, International Commission on Irrigation & Drainage. b. Nov. 16, 1904, s. of L. Rallia Ram Gulhati; m. Mrs. Shakuntala Gulhati; two s. and one d.; Educ.: Govt. Coll., Lahore; Thomason Civil Engineering Coll., Roorkee. Appointed to Punjab P.W.D., Irrigation Branch from 1926; Secretary, Central Board of Irrigation, 1945-48. Publications: Papers to the Punjab Engineering Congress: Sillanwali Drain (1935); Diagrams for the design of an A.P.M. (1939); Rainfall Runoff (1941); Irrigation Outlets (1944); Hydrologic Data: Its Importance and Collection (1947); Rainfall Runoff (C.B.I. Annual Report (Tech.), 1948); The Role of the Engineer in Post-War World (Journal of the Institution of Engineers—India, March 1946); Central Board of Irrigation—Hydraulic Diagrams (1949); Data for High Dams in India (1950). Popular Series. Address: 1, Old Mill Road, New Delhi.

GUDEVIA, H.E. Mr. Yezdegar Dinshaw, B.A. (Hons.) (Philosophy) (Bom.), I.F.S., Minister Plenipotentiary and Envoy Extraordinary for India* in Switzerland, since 1953. b. June 19, 1905, s. of Dinshaw Bomanji Gudevia; m. Raoshan Zal kabral; one d.; Educ.: Matriculated from Bharda New High School, Bombay; graduated from Wilson Coll., Bombay; called to the Bar from Lincoln's Inn, London. Entered the I.C.S., 1930; took over first appointment in the U.P., 1931; served in various districts as Joint Magistrate and Asstt. Settlement Officer; Addl. Collector, Gorakhpur, 1937-39; Collector and Magistrate, Mirzapur and Farrukhabad, 1939-45; Secy. to Representative of the Govt. of India in Burma, 1945-47; Counselor in the Embassy of India, Rangoon, 1948; Joint Secy., Ministry of External Affairs, 1948-50; Minister-Counsellor, Moscow, 1950-53. Address: Embassy of India, Berne.

GUPTA, Chandra Bhanu, M.A., LL.B., Minister for Food, Health and Civil Supplies, U.P. Govt., since 1947. b. July 2, 1903, s. of Hira Lal; Educ.: Lucknow University. Started practising Law, 1925; member, A.I.C.C. since 1929; elected to the Court and the Council of Lucknow Univ., 1926; was elected its Hon. Treasurer, 1947; elected to the Municipal Board, Lucknow, 1928; elected Pres., Dt. Congress Ctee., Lucknow, 1929-44; Member, U.P.P.C.C., since 1933; elected to U.P. Legislative Assembly, 1937; served on the Board of High School and Intermediate Education, U.P., 1938; elected again to the U.P. Legislative Assembly, 1946; Parliamentary Secretary to the Chief Minister, U.P., 1946-47; Food & Civil Supplies Minister, U.P. Govt., 1947; took over Health Portfolio also in 1948; courted jail for Congress activities in 1930, '31, '32, '33, '40 and '42. Address: Rajendra Mansion, Pandariba, Lucknow.

GUPTA, C. P., Managing Director, Raj Traders Ltd., Jaipur. b. Oct. 7, 1913; m. Smt. Shanta Gupta, d. of R. B. Bishan Narain, Advocate, Delhi, 1937; one s. and three d. Started career as a Sugar Technologist after qualifying in Sugar Technology from Glasgow, 1935; since then, held various positions as Sugar Technologist; appointed Technical Adviser, Delhi Cloth & General Mills; and Barhi Sugar Mills; later became General Manager to D. O. M. Chemical Works, Delhi; in 1948 started his own concern at Jaipur, known as Raj Traders Ltd., having a



* Now Ambassador.

bone crushing and Fertiliser Factory at Jaipur and Kotah; has plans for starting a Glue and Gelatine Factory from bones at Rajasthan; member: All-India Manufacturers' Organisation; Ex. Cttee., Chamber of Commerce and Industry, Jaipur and Rajasthan; Indian Council of World Affairs; Advisory Cttee. of Employment Exchange from Rajasthan etc.; also represents A.I.M.O. in Indian Institute of Standards in Chemical branch. Clubs: Rotary Club; Rajasthan Flying Club (Life-member). Address: Raj Traders Ltd., Jaipur.

GUPTA, D. D., Minister for Food, Madhya Pradesh. b. Nov. 1909, at Nagpur; Educ.: Tilak Vidyalyaya and Science Coll., Nagpur; City Coll., Nagpur; Banaras Hindu Univ. Started participating in National Movement from early childhood; joined National Movement and jailed for a year, 1930; organised students under the National Students' Assoc. which was later merged with the All-India Students Federation at Lucknow, 1935; imprisoned in 1941 and 1942; actively participated in the promotion of Physical Culture Movement at Nagpur; Organiser, Nagpur Akhada Sangh; Pres., Maharashtra Physical Education Conference; was running a School for Harijan boys, 1933; Secy., Nagpur Nagar Congress Committee, 1937-39, Secretary, Nagpur Provincial Congress Cttee., 1939-40; Vice-Pres., Nagpur Nagar Congress Cttee., 1940; Pres., 1940-47; led the National Movement of Nagpur, 1941-42; founded Marathi weekly 'Prakash', 1936; edited 'Congress Samachar' a Provincial Congress Weekly, 1939-40 and 'Vikas', 1946-47; elected M.L.A. from Nagpur constituency in the First General Elections, 1951-52. Publications: Booklets on Constructive activities and two dramas *Gokul Ka Chor* and *Dhyeya Ka Marga Par*. Address: Ministry of Food, Nagpur, Madhya Pradesh.

GUPTA, Chanshyamsingh, B.Sc., LL.B., Ex-Speaker, the Madhya Pradesh Leg. Assembly; Pres. of Committee set up for rendering Draft Constitution of India into Hindi; President of the All-India Refugee Relief Finance Committee and Refugee ad hoc Committee of Madhya Pradesh. b. Dec. 1885; m. Mrs. Jai Devi Gupta in 1911; Educ.: Raipur, Jabalpur, Allahabad; President, Municipal Council, Durg, 1925-26; Chairman: Dt. Council, Durg, 1931-34; Co-operative Bank, Durg, for some years; member, Madhya Pradesh Legislative Council (1923-29); Leader of the Congress Party and of Opposition in Madhya Pradesh Legislative Council (1926-29); member, A.I.C.C. (1921-36); M.L.A. (Central), 1934-37; was member, Indian Constituent Assembly; Pres., Satyarthi Prakash Defence Cttee.; All-India Arya Samaj Leader. Publications: *Bharat Shiksha Adarsh* (Ideal of National Education); *A Dictionary of English Indian Terms of Administration*. Commentary on Arya Marriage Act XIX of 1937 which he piloted through the Legislative Assembly. Address: Durg, M.P.

GUPTA, Hansraj, M.A., LL.B., Managing Proprietor, H. G. Gupta & Sons, Managing Agents of Delhi Iron Syndicate Ltd., Hansraj Gupta & Co. Ltd., Raj Enamel Works Ltd., Raj Engineering Works Ltd., Rajput Building Construction Ltd. b. 1905, s. of late Gulraj Gupta, Executive Engineer (Western Rly.); m. 1924; four s. and two d. Managing Director and Chairman: The Central Distillery & Chemical Works Ltd., Meerut; Tilak Insurance Co. Ltd., New Delhi; Director: The Scientific Apparatus and Chemical Works Ltd., Agra; Shradhanand Publications Ltd., Delhi; Pratap Bank Ltd., Delhi; Raj Electrical Works Ltd., Delhi; The Rohtak and Hissar

District Electric Supply Co., Ltd., Hissar; Delhi Regd. Stockholders (I. & S.) Assoc. Ltd., Delhi; The Punjab Pipe Merchants' Assoc. Ltd., Delhi; President: All India Manufacturers' Organisation, Delhi; The Delhi Iron and Hardware Merchants' Assoc., Delhi; Director-in-Charge: Delhi Iron & Steel Stockists (C. S.) Assoc. Ltd., Delhi. Address: 20, Barakhamba Road, New Delhi.

GUPTA, Krishna Swaroopa, B.A., Dip. L.W.A. (Bombay), M.I.S.E. (Calcutta), F.R.Econ.S., F.S.S., F.R.S.A. (London), Industrial Relations Consultant and Managing Editor, "Organisation Planning and Efficiency," Bombay. b. Nov. 8, 1920, s. of late L. Ratan Lal and Smt. Kalawati; Educ.: Punjab and Delhi Univs., Institute of Labour Welfare Workers, Govt. of Bombay, Tata Institute of Social Sciences, Institute of Personnel Management, London. Joined Indian Army as an N.C.O. in World War II; invalidated on verge of promotion to commissioned rank, while on active service with 19th Indian Division. Sub-Divisional Officer in the M.E.S. for 31 years; awarded War Medal and 1939-45 Star; Statistical Officer, Ministry of Defence, Govt. of India for 14 years, long administrative and executive experience in handling labour and personnel matters in large-scale industries, Cotton Textiles, Iron and Steel, Transport and Rubber etc.; Welfare Officer, Meyer Mills Ltd.; Labour and Welfare Officer, Shree Madhusudan Mills; Industrial Relations Adviser, Scientific Management (India) Ltd.; Personnel Officer, Pure Drinks Ltd.; Industrial Relations Manager, Sree Iron and Steel Co.; Labour Officer, Provincial Motor Transport Assoc. and Indian Rubber Industries Assoc., Bombay, conducted research surveys in 22 mills and factories in Bombay and Ahmedabad in 1949-50 and drafted a questionnaire "For Better Industrial Relations"; founded Industrial Welfare Assoc. (India) and its first Hon. General Secy., Graduate Member, Institute of Personnel Management, London; member Common Jury, High Court, Bombay (1952). Reception Cttee., First All-India Conference of Labour and Welfare Officers, Bombay; organised two Efficiency Courses in Labour Management in Bombay in 1951 under the auspices of I.W.A.; resolved amicably many major industrial disputes and strikes and contested successfully many industrial matters before conciliation officers, Labour Courts, Industrial Tribunals and Labour Appellate Tribunal of India on behalf of employers, elected Fellow and Member of several Indian and Foreign professional bodies; widely travelled in South-East Asia, U.K. and the Continent; a keen social worker. Publications: Contributed articles on "Self-Help Housing for Industrial Workers," "Balanced Diet for Industrial Workers," "Welfare Work as a Career." Address: Post Box 2304, Bombay 2.

GUPTA, Maithilisharan, Hon. D Litt., Sahitya Vachaspati, Writer. b. Aug. 3, 1886, at Chirgaon. s. of late Seth Ramcharan; m. Smt. Saryu Devi, Jan. 1910; one s. Former Pres., Nagri Pracharini Sabha, Banaras; Hindustani Academy, Allahabad; Sahityakar Sansad, Allahabad; specially interested in the promotion of Hindi; nominated by the Indian President to the Council of States. Recreations: Indoor Games; Spinning; Poetry. Publications: *Gurukul, Yashodhara, Siddhant, Hindu, Bharat-Bharati, Jayadrath-Vadh, Argh, Kisan, Shakuntala, Vishva-Vedna, Kaba Aur Karbala, Kunai Gil, Arjan Aur Visarjan, Pruthivi Putra, Panchwati, Anjali Aur Arghya, Chandrasahas, Mangalghat, Jaya Bharat*, etc. (Translated Books) *Meghnad Vadh, Pulasthi Ka Yudh, Virahni Vrajangna, Rudraji Umar Khayyam*. Address: Chirgaon (Jhansi), U.P.

GUPTA, Ram Gopal, s. of late Lala Ramcharan Agrawal, of the House of Beharilal Ramcharan of Kanpur. Director: Beharilal Ramcharan Cotton Mills Ltd.; B. R. Sons Ltd., Lakshmiratan Cotton Mills Ltd., Aurangabad Mills Ltd., Cannon Dunkerley & Co., Ltd., India Sugar Refineries Ltd. and other commercial and industrial institutions, undertook a world-wide tour in 1930-40 and continental tour in 1948-49. Recreations: Music, sport and travelling. Address: Behari Niwas, Kanpur; Empire House, Hornby Road, Fort, Bombay.



GUPTA, Seth Ramratan, b. Sept. 21, 1906, s. of the late Lala Beharilal, founder of the firm of Beharilal Ramcharan, Bankers, Millowners and Industrialists. Entered business at the age of 17, with control of the concerns of Beharilal Ramcharan, especially their import, export and banking departments; works hard for a comprehensive industrialisation of India on modern lines; staunch nationalist; started public life at the age of 20; joined Congress, 1925; was Pres. and Vice-Pres., Local Congress Cttee. for several years;



courted imprisonment during 1929 and 1931 Civil Disobedience Movements; on return from jail, went on a world tour, including England, where he represented the case of Indian commerce and industry before the Select Cttee. for Indian Constitutional Reforms; member, Prov. Parliamentary Board, 1930-37; elected unopposed to the Central Legislative Assembly, 1943; President, All-India Youth Conference, 1943; visited Australia as a member of the non-official Indian Trade Delegation, 1945; Chairman, Beharilal Ramcharan Charitable Trust; has contributed generously to various public institutions and charities; founder, Radha Devi Free Charitable Dispensary; founder of several industrial concerns, viz. Lakshminathan Cotton Mill Co., Ltd.; India Supplies, Raghunath Enamels Ltd., Kanpur; Gwalior Thermalite Corporation Ltd.; Engineering Works of India Ltd., Calcutta; Lakshmiratan Engineering Works; Beharilal Ramcharan Cotton Mills, Bombay; acquired Aurangabad Cotton Mills, etc.; Promoter and for two years Pres., Merchants Chamber, U.P.; U.P. Stock Exchange Association Ltd.; one of the founders of Employers' Assoc. of Northern India, Kanpur; also connected with a number of other industrial and public concerns. Publications: *World Before the Second Great War in Hindi* (two Volumes); *Time for Decision* in English. Recreations: Travelling and Riding. Address: Behari Niwas, Kanpur.

GUPTA, Ranjit, B.A. (Cantab.), I.C.S., was Home Secy., West Bengal Govt. b. Feb. 1, 1906, s. of S. C. Gupta, C.I.E.; m. late Mrs. Uma Gupta (nee Das); two s.; Educ.: Simla, and Cambridge University. Joined the I.C.S., 1928; Chief Presidency Magistrate, Calcutta, 1937-45. Clubs: Calcutta Club; Calcutta South Club. Address: 4, Lee Road, Calcutta.

GUPTA, Bhalchandra Maheshwar, B.A. (Hons.) (Sanskrit), M.A., LL.B., Advocate. b. 17, 1895, s. of Maheshwar Ramchandra Gupta; m. Smt. Kamalabai Kutwal; one s. and two d.; Educ.: Poona; took, B.A. (Hons.) in Sanskrit, 1917. Fellow at the Deccan Coll., Poona, 1917-18; imprisoned four times in the Independence struggle; Parliamentary Secy. in the first Bombay Congress Ministry,



1937; member: Constituent Assembly of India, 1946-50; Council of States, 1952; Bombay Corp. Finance Cttee. appointed by the Govt. of Bombay, 1946; Chairman, Grow More Food Policy Cttee. appointed by the Govt. of Bombay 1951; prominent in Local Self Govt., Co-operative & Congress activities. *Publications*: A Marathi Commentary on the Constitution of India and a pamphlet on "Food Problem in Maharashtra"; occasional contributor to the Marathi and English Press. *Address*: "Swatantrya", Poonna 4.

GWALIOR: Lt.-Gen. His Highness Sir Jiwajirao Scindia, Maharaja, Mukhtar-ul-Mulk, Azim-ul-Iqtidar, Raftush-shan, Wala Shikoh, Mohat-Asham-Dauran, Umdat-ul-Umra, Maharajadhiraj, Hisam-us-Saltanat, Alljah Bahadur, G.C.S.I. (1946), G.C.I.E. (1941), Malik-i-Muazzam-i-Raft-ul-Darja-i-Iqbalistan, Maharaja of: H. H. the Raj Pramukh of United State of Gwalior-Indore-Malwa (Madhya Bharat). b. June 26, 1916, s. of His late Highness Maharaja Sir Madhav Rao Scindia and Her late Highness the Maharani



Gajraraja Scindia; m. Kumari Lekha Divyeshwari Devi; one s., Prince Madhav Rao Scindia and three d., Princesses Padmaraja, Usharaja Scindia and Vasundhara Raje. *Educ.*: Privately under distinguished tutors; passed Matriculation Examination in Second Division of Ajmer Board; attended Victoria College, Gwalior; received Settlement and Revenue Training at Lyallpur (Punjab); administrative training at Bangalore and Military training at Poonna and Bombay; Pres. Chess Club of India, Bombay. *Recreations*: Motoring, Big game shooting, Riding, Tennis and Reading. *Clubs*: Jiwaji Club, Gwalior; The Roshanara Club, Delhi; The Royal Western India Turf Club, Bombay; The Willingdon Sports Club, Bombay; The Rotary Club, Gwalior. *Address*: Jai Vilas Palace, Gwalior (Madhya Bharat).

GWALIOR: H. H. Maharani Vijaya Raje Scindia of Gwalior, the former Kumari Lekha Divyeshwari Devi, until the d. of Shriman Thakur Mahendra Singhji, Retd. U.P.C.S. and Thakurani Chunda Divyeshwari Devi, d. of Prince Khadga Shumsher Jung Bahadur Rana, late C-in-C of Nepal; lost her mother when only nine days old; grew up under the fostering care of her grandmother Rani Dhunukwar Devi (wife of Prince Khadga Shumsher) at Sagar in Madhya Pradesh; m. H.H. the Maharaja of Gwalior, February 1941; one s., the Heir-Apparent, Prince Madhav Rao Scindia, b. March 1945, and three d. Princess Padma Raje Scindia, Princess Usha Raje Scindia and Princess Vasundhara Raje. Fond of Indian Music and Painting. Keenly interested in child and female education and uplift and progress of women; started a Montessori school for little children, which was visited and inspected twice by late Madame Montessori herself who very much appreciated the work done there; was supervising and controlling two Girls' High Schools at Gwalior, the Padma Vidyalaya and the Gajra Raja High School, and one College, the Kamla Raja College which resulted in bringing about improved efficiency in these institutions; elected President and Patron, Gwalior branch of All-India Women's Conference; under her presidentship the Gwalior branch opened 11 sub-branches in different districts of former Gwalior State and also started adult literacy classes for women, industrial homes and nursery schools, etc.; founded



Vijaya Ladies Club, Gwalior. *Recreations*: Music and Painting. *Address*: Jai Vilas Palace, Gwalior.

GWILT, E. Leslie C., J.P., Honorary Presidency Magistrate, Managing Director, Glaxo Laboratories (India) Ltd., and H. J. Foster & Co. Ltd., Bombay, b. October 11, 1890, m. Anna Thom, 1942; two d. Served 1914-18 War; enlisted London Scottish, commissioned Forth R.G.A., Nov. 1915, transferred Royal Flying Corps, June 1916 (15th Squadron); represented Bombay Chamber of Commerce on the Bombay Municipality, 1938-39; the Bombay European Constituency in Central Legislative Assembly, New Delhi, 1939-47; Whip, European Group, 1941-47; Pres., Bombay Chamber of Commerce, 1953. *Clubs*: Bombay Yacht and Willingdon Sports; London: R.A.F. and Oriental. *Address*: White House, Gamadia Road, Bombay 26.

GYLSETH, Sverre, Knight O. St. O. 1st Class, Consul General for Norway; Representative in India for the Federation of Norwegian Industries; Managing Director, Norinco Limited b. July 3, 1910; m. Liv. Gylseth (nee Jacobsen); three d. and one s.; *Educ.*: Oslo Handelsgymnasium, Oslo University. *Address*: 18, Mandeville Gardens, Balljyunge, Calcutta.

HABIB, Ebrahim Haji, Landlord, Bombay, s. of late Seth Haji Habib Haji Karim, Timber and Corn Merchant, Bombay; b. Sept. 2, 1916, m. in 1935, two s., *Educ.*: St. Xavier High School, Bombay. Is one of the leading Estate Holders of Bombay, joined father's business, 1931, travelled widely in India and expanded his business to its present state; Chairman, Interests Trading and Engineering Co., Ltd., presented the house Haji Habib Haji Karim Jagannarg to the Jamat for the benefit of the community, 1935, Pres., Jamat; member, National Library and several other educational and social associations; member, Indian Merchants' Chamber. Donates liberally to all good causes. *Clubs*: Isiam Club; Willingdon Sports Club, C.C.I.; W.I.A.A.; Islam Gymkhana; Bandra Gymkhana. *Address*: 309, Memonwada Road, Mandvi Bombay.

HAJELA, Kripa Shankar, M.A., M.Sc., LL.M. (Bom.), Raj Bahadur (1942), Advocate General, Rajasthan, since Oct. 1952; Hon. Prof. of Law, Univ. of Rajputana, 1952 b. Feb. 17, 1894, s. of Shiva Shanker Lall and Srim. Mahabidya Devi; m. Srim. Premvati Devi (1st wife); Srim. Shanti Devi; three s., Satish Chandra Hajela; Jagdish Chandra Hajela; Dinesh Chandra Hajela; *Educ.*: Govt. College, Ajmer; Muir Central College, Allahabad; M.A.O. College, Aligarh. Champion Athlete and Captain of Sports, Muir Central Coll., 1914. Professor of Mathematics and Physics, Rajaram Coll. Kolhapur, 1919-22; Reader in Law, Lucknow Univ., 1922-47; Dt. Govt. Advocate, Barabanki, 1930-47; Principal, Law College, Jaipur, and Dean, Faculty of Law, Univ. of Rajputana, 1947-52. *Publications*: A commentary on the Oudh Rent Act, 1927. *Recreation*: Athletics. *Address*: Shiva Sadan, Barudkhana, Lucknow; Jaipur.

HAJI, Abbas Ali, B.A., F.R.E.S. (Lond.), F.R.S.A. (Lond.), N. K. D., a leading Industrialist in M.P.; Chairman, Board of Directors and Managing Agents of Amraoti Electric Supply Co. Ltd., Amraoti. b. 1895, of an ancient and well-connected family in Burhanpur, Madhya Pradesh; m. Fizza Begum of Burhanpur; five s. and four d. *Educ.*: Robertson College, Jabalpur; graduate of Allahabad Univ. Founded the Amraoti Electric Supply Co. Ltd.; was a member and Vice-President of the Municipal Cttee. of



Amraoti Camp for several years; has served as an Honorary Magistrate, Amraoti District, for a number of years; a Juror for several years; served on the Managing Cttee. of many educational institutions in the State; member, Managing Cttee. of Lady Dufferin Hospital, Amraoti; life member, Nagpur University Historical Society; during 2nd World War served as a member of District War Cttee. and Refugee Relief Cttee.; is a Freemason, a Rotarian and a Clubman. *Hobbies*: Gardening and Shikar. *Address*: Haji Mansion, Camp, Amraoti.

HALOT, H.E. Mr. Stephane Jules J. A. M., Ambassador for Belgium in India, since Oct. 1951. b. Nov. 1, 1897, s. of Alexandre Halot Senator and Baroness Marie Gavaert; m. Simone de Thibault (deceased); two s., Alexandre and Baronne D. Suoy and one d., Mrs. P. d'Anethan Graham; *Educ.*: Institut Saint Louis, Brussels. Volunteer in war, 1914-18; Attaché in Prague, 1920; Secy. in Berlin, 1923-27; Secy. in Paris, 1928-36; Counsellor in Prague, 1930-30; Consul General, March 1939-May 1940; Minister of Belgium in Turkey, 1945-51. *Address*: Belgian Embassy, New Delhi.

HAMIED, Dr. K. A., B.Sc., M.A., Ph.D. (Berlin), F.C.S., F.S.C.I., F.R.I.C. (Lond.), Member, American Chemical Society, F.I.A.S. (Ind.), J.P. b. October 31, 1898. *Educ.*: Graduated in Science from Allahabad University in 1920. Joined the non-co-operation movement



started by Mahatma Gandhi in 1920 and worked in the Congress Volunteer Corps, 1921; when Mahatma Gandhi laid the foundation of the National Muslim Univ., Aligarh, joined the staff of the National Muslim University, Aligarh, as Reader in Chemistry, was inmate of the Sabarmati Ashram during 1922 and all along took an active part in the fight for freedom; in 1924 when Mahatma Gandhi stopped the non-co-operation movement, he left for Europe for higher studies and joined the Berlin Univ., where he worked under Professors, Rosenheim, Nernst, Haber, Spranger and Freundlich; obtained Doctorate from Berlin Univ., 1927 and stayed several years in Europe for study of chemical and pharmaceutical industry; settled down in Bombay in January 1931, soon established a business in chemical and pharmaceutical products; in 1935 started a public limited company, under the name Chemical, Industrial & Pharmaceutical Laboratories, Ltd., briefly known as "Cipla" which has progressed very rapidly and is the Chairman and Technical Expert of this Company; under 1935 Constitution, was elected to the Bombay Legislative Council in 1937, as an independent candidate against Mr. Jinnah's Muslim League candidate; has been member of the Council for last 15 years and always stood by the Congress; Director of several firms in Bombay; President, Indian Chemical Manufacturers' Association, 1945-48 and 1949-50; Leader of the Indian Chemical Delegation to U.K. and U.S.A., 1945-46; Sheriff of Bombay, 1952-53; Member: Cttee. of the Indian Merchants Chamber; Governing Body of the Council of Scientific & Industrial Research; Cttee. of Board of Scientific & Industrial Research; Standing Advisory Cttee. for Industries, Bombay; Cttee. of Indian Chemical Manufacturers' Asscn.; Western Regional Cttee. of All India Council for Technical Education; Appellate Cttee. of State Transport Authority, Bombay; Pharmaceutical & Drugs Cttee., Govt. of India; Bombay State Industrial Research Cttee. and Standing Cttee. of Pilot Plants, Bombay. *Address*: 280, Bellasis Road, Byculla, Bombay.

HANUMANTHAIA, K., B.A., LL.B., M.L.A., Chief Minister, Mysore, since 1952. *b.* 1908, *s.* of Venkate Gowda and Smt. Nanjamma; *m.*; two *d.*; *Educ.*: Maharaja's College, Mysore and Law College, Poona. *Pres.*, Bangalore City Municipality, 1942; *Secy.*, Congress Party in the Mysore Representative Assembly, 1940-44; *Leader* of the Mysore Representative Assembly, 1940-44; *member*, Executive Ctee. of the Congress Party in Parliament, 1949, 1950 and 1952; represented India in the



37th and 38th Sessions of the Inter-Parliamentary Union held at Stockholm in 1949 and at Dublin in 1950; *member*, Indian Constituent Assembly; was *Deputy Leader*, Congress Party, Mysore Constituent Assembly, 1948-49; *Member* of Parliament for 4 years; *Pres.*, Bangalore Dist. Congress Ctee. for 10 years; *member*, Mysore State Congress Working Ctee. for the last 12 years; *member*, National Cadet Corps Ctee. *Address*: Kumara Krupa, High Grounds, Bangalore 1.

HAQ, Khan Bahadur Muhammad Abdul, M.A. (Madras) (1st Class 1st), Afzal-ul-Ulama (1st Class), D. Phil. (Oxon.), *Member*, Public Service Commission, Madras, since Jan. 1953. *b.* July 1, 1901, *s.* of late "Shamsul-Ulama" Moulana Muhammad Umar; *m.* Salimah Begum; four *s.* and one *d.*; *Educ.*: Arabic and Persian at Madras Islamiyah, Kurnool, under his father; *Govt.* Muslim Coll. and Presidency Coll. and finally at Oxford (St. Caths.) for doctorate. *Professor* of Arabic, Persian and Urdu at Govt. Muslim Coll., Madras, 1924-39; *Principal* of the same College, 1939-47; *Dy.* *Director* of Public Instruction, 1947-48; *Principal*, Presidency College, Madras, 1948-52; *Pro-Vice-Chancellor*, Muslim Univ., Aligarh, 1952. *Publications*: *Madras Kay Urdu Akbar*. *Address*: Public Service Commission, Madras.

HARBANS SINGH BRAR, Major Sirdar, Bar-at-Law, Executive Officer and Labour Adviser to U.P. Sugar Mills Assoc. and Joint Secy. and Industrial Relations Adviser, Northern India Mercantile Chamber of Commerce, Lucknow; *landowner* in Ferozepore and Hissar Districts (Punjab). *b.* Sept. 1905; *Educ.*: F. C. Coll., Lahore, Edinburgh Univ. and Middle Temple, London; called to the Bar in 1927; *M.B.A.S.* (1925), *F.R.G.S.* (1926) and *Governor*, Royal Agricultural Society of England (1927); took training in Railway Traffic on L.M.S. (England); *m.* Jaswant Kaur, *M.B.A.S.*, *F.R.G.S.*, *d.* of Rai Bahadur S. Dahan Singh, I.S.E. of New Delhi; two *s.* and five *d.* Has travelled extensively in almost all parts of India and has visited Europe twice; *Pres.*, Khalsa Jatha (Assoc.), British Isles (1926-27); *Joint Secy.*, Indian Majlis, London (1925-26); *Vice-Pres.*, Bhupindra High School, Moga; *member*: Central Gurdwara Board, Punjab (1930-36); *Sirhind Canal Advisory Committee* (1932-37), *Dist. Board*, Ferozepore since 1930 and as *Senior Vice-Chairman* held charge of the Departments of P.W.D., Public Health, Medical, Fairs and Ferries; was *Chairman* of the following Committees of Board: Rural Reconstruction, Development, Mass Female Education (1934-37); *elected member* of the Indian Leg. Assembly, 1930-34; *member*, Standing Finance Ctee., *Govt.* of India (1931-34); *Standing Finance Ctee.* for Railways (1932-34); *Central Advisory Council* for Railways and Assembly House Ctee. (1932-34); in 1934 was *elected* by the Indian Legislative Assembly, a *member* of the Court of Delhi Univ.; practised as an *Advocate* in Ferozepore (1927-32); appointed



Judge, High Court, Patiala State, in April 1932; *Chief Justice* and *Judicial Minister*, Malerkotla State, 1936-42; *In-charge* of the Departments of Law and Justice, Jail, Municipalities and P.W.D.; was *Invested* with powers of Iltis-i-khas (1938-42), held charge of Education and Medical (1936-40); was also *Pres.*, Claims and Advances Committees, and State Scout Commissioner, 1938-42; *resigned* office in Malerkotla State for joining the Army for the duration of the war and served as *Dy. Asstt. Welfare General* and *Dy. Asstt. Adjutant-General* in the Indian Army from 1945-47; *Head* of the Labour Dept., Indian Sugar Syndicate Ltd., Kanpur (a combine of all sugar factories in U.P. and Bihar), 1947-50; *Secy.* and *Labour Adviser*, Industrial and Power Alcohol Distillers' Assoc., 1950-52. *Recreations*: Riding, Gardening and Tennis. *Address*: 21, Outram Road, Lucknow.

HARKISONDASS, Lukhmidass, J.P., *Proprietor*, Harkisondass Lukhmidass, *Director*, The Native Share & Stock Brokers' Assocn., The Shree Nivas Cotton Mills Ltd., The Bhopal Sugar Industries Ltd., *b.* October 31, 1904; *Educ.*: Rharda New High School in Bombay. *Joined* his father's firm of Freight Brokers, Aspinwall Lukhmidass & Co., in Bombay, at the early age of 18; soon after was taken as a partner; associated with his father's business for ten years, came in contact with many business men as well as shipping and export houses, became a *member* of the Stock Exchange in 1932; set up the firm of Harkisondass Lukhmidass in 1932; has developed a statistical department which publishes from time to time wall-charts as well as special surveys of the industries; has given financial assistance privately to many institutions and individuals. *Address*: 5, Carmichael Road, Bombay.



HARVEY, Marcus Francis Spencer Cronin, *Lieut.-Commander*, R.N.R. (Retd.), *Master Mariner* (F.G.) Royal Naval Reserve Decoration (1943), *Member* of the Hon'ble Company of Master Mariners (1947) and the Institute of Navigation (1948), *Captain Superintendent* Training Ship "DUFFERIN", since 1952. *b.* July 16, 1907, *s.* of late Captain and Mrs. F. E. Harvey, *m.* Mrs. M. L. Harvey (nee Taylor), *d.* of the late Commander and Mrs. Walford Taylor, R.N.M., one *s.* and one *d.*; *Educ.*: Wadhwa House, Hove, Sussex Nautical Coll., Pangbourne, British India Steam Navigation Co. (1924-31); *Royal Naval Reserve* (1927-50), *Clubs*: Royal Bombay Yacht Club; *United Services Club*. *Address*: Training Ship "DUFFERIN", Mazgaon Pier, Bombay 10.

HASAN, Mr. Justice Ghulam, *Judge*, Supreme Court of India since Sept. 1952; *Knight-hood* of the Order of St. John of Jerusalem for humanitarian services, *Chairman* of the Provincial Red Cross and St. John Ambulance Association; *Pres.*, Board of Governors, La Martinera College for Boys and La Martinera School for Girls; *m.* Arsha, *d.* of M. A. Ghani, *Retired District & Sessions Judge*, U.P.; one *s.* and one *d.* Was *Chief Judge* of the Oudh Chief Court till 25th July 1948, when it was amalgamated with the Allahabad High Court; on deputation to the *Govt.* of India as *Chairman* of the Dargah Khwaja Sahab, Ajmer, Enquiry Committee, 1949; *Senior Judge*, Allahabad High Court. *Address*: 4, Cheena Bazar Road, Lucknow; 8, York Road, New Delhi.

HASAN, Dr. Hadi, B.A. (Hons.) (Cantab.), Ph.D. (London), *Professor* of Persian, Muslim Univ., Aligarh. *b.* Sept. 3, 1894, at Hyderabad-Deccan, *s.* of the late Syed Amir Hassan, of

Hyderabad-Deccan and Etawah; *m.* Kishver Begum of Hyderabad-Deccan; *Educ.*: St. Xavier's Coll., Bombay; Emmanuel Coll., Cambridge; School of Oriental Studies, London. Visited Iran as the guest of the Iranian Govt., 1932, visited Afghanistan as the guest of the Afghan Govt., 1933, has delivered over 100 Extension Lectures in the Senate Halls of various Indian Universities; *Honorary Visiting Professor* at Santiniketan; *Honorary Member* of the Iranian Academy, Teheran. *Publications*: *Studies in Persian Literature*, 1923; *A History of Persian Navigation*, London, 1928; *Falaki Shirwani*, London, 1928; *Duran-y-Falaki*, London, 1929; *Uniqus Diwan of Falaki in Madras*, Islamic Culture, 1950; *Mughal Portra*, Hyderabad Govt. Press, 1952; *Uniqus Diwan of the Emperor Humayun*; *Islamic Culture*, 1953; *in press*: *Kahi, His Life, Times and Works*. *Recreations*: Public speaking and collecting funds for the proposed Medical College and Hospital at Aligarh. *Address*: 'Lalazaar', Fort Road, Aligarh.

HASKELL, J.F., B.A., LL.B., M.I.J., M.J.I., *b.* March 27, 1903 at Poona; *m.* Pearl Jacob, 1937; one *s.* and two *d.*; *Educ.*: St. Xavier's Coll. (Fellow) and Govt. Law Coll., Bombay. *Editorial Staff*, *The Times of India*, 1927-33; *Asst. Advt. Manager* and *Acting Advt. Manager*, planning and producing Special Features and Supplements and Market Research Reports, 1933-53. *Club*: Cricket Club of India, Bombay. *Recreation & Hobbies*: Badminton, Indian History & Numismatics. *Address*: Matilda Building, Sussex Road, Bombay 27.

HATHI, Jaisukhlal, *Deputy Minister* for Irrigation and Power, *Govt.* of India, since Sept. 12, 1952. *b.* Jan. 10, 1909. Passed Law Exam. while serving as a teacher in Saurashtra High School, Rajkot. Enrolled as *Advocate*, Bombay High Court; *sometime Dist. & Sessions Judge*, Rajkot State; *elected member*, Constituent Assembly, 1946-47; was *member*, Provisional Parliament, appointed *ad hoc* *Chief Secy.*, 1st *ad hoc* Congress Ministry, Saurashtra, Feb. 1948; was *Secy.* in-charge of the election organisation of the Saurashtra Congress Ctee. in the general elections; returned to the Council of States from Saurashtra; served as one of the whips of the Congress Party in the Council of States. *Address*: Deputy Minister for Irrigation and Power, New Delhi.

HATTIKUDUR, Ratnakar Umanath, *Businessman* and *Industrialist*, *b.* June 18, 1914, at Karkal, South India, *s.* of Umanathrao and Smt. Indrabai Hattikudur, *m.* late Smt. Tara Balavar of Bangalore, one *s.* and one *d.* *Joined* father's Rice and Oil Mills in Curchorem (Goa); expanded the Mill industry adding four more mills of Rice, Ice, Oil and Flour; added to his business import of mills machinery, etc.; *importer* and *wholesale supplier* of Mangalore tiles, etc.; knows Portuguese, English, Marathi, Kanarese and Konkani; widely travelled in India. *Recreations*: Cricket, Chess. *Address*: Perto do Convento de Carmelitas, Margao (Goa).



HAYLES, Alfred Arthur, O.B.E. (June 1953), *Editor* and *Managing Director*, *The Mail*, *b.* March 7, 1887; *m.* Sybil Anne Copeland, 1928; *Educ.*: London and Paris. *Freelance Journalist*, London, till 1912, joined staff of *The Madras Times*, 1912, *Asst. Editor*, *The Mail*, 1921, became *Editor*, Aug. 1924, *Vice-Pres.*, Automobile Association of South India; *Chairman*, Madras Bathers Protection Society and P. D. G. W., Madras. *Publications*: 10,000 Miles in Africa. *Address*: Sunnyside, White's Road, Rajapettah, Madras.

HAZARIKA, Jogendranath, M.A., LL.B. (Calcutta), M.P., Parliamentary Secy. to the Prime Minister of India, since Aug. 1952. b. Feb. 1924, s. of Golap Chandra Hazarika and Shrim. Ratna Hazarika; *Educ.*: M.V. & M.E. Schools, Tengakhat; Govt. H.E. School, Dibrugarh; I.A. at Cotton Coll., Gauhati; B.A. at Ripon Coll., Calcutta, Calcutta Univ. Was Editor of 'Nayak'—a monthly Assamese Magazine, for several years; was Secy., Assam Tribal League Standing Cttee.; organized 'Village Defence Voluntary Forces' during Japanese War; formed 'Tribal League Home Guards' for internal security and safety, 1947; joined Congress, 1946; was member, Parliamentary Standing Cttee. of Education and Transport (both for Roads and other than Roads); Ex-Officio Member, Assam Road Transport Communication Board; member, Parliamentary Delimitation Cttee. for Assam; Convener, Assam State Group Cttees. and Tribal Affairs Standing Cttee. of the Congress Party in Parliament. *Publications*: *Brochure: Twenty-five Million Souls of Tribal India and the Constituent Assembly*, 1946. *Club*: Foreign Relations Society, New Delhi. *Address*: Dibrugarh, Assam (P.O. Tengakhat); New Delhi.

HEDA, H. C., B.A., LL.B., M.P. b. Oct. 14, 1912, s. of Bai Mukund Heda, at Siradhooan, Dist. Osmanabad; m. Smt. Gynn Kumari Heda, prominent political and public worker, 1936; one s.; *Educ.*: Osmanli High Schools of Latur, Osmanabad and Gulbarga; matriculated, 1930; Osmanli Univ. Coll., Hyderabad; graduated in philosophy, 1934; LL.B., 1936. Organizer and Secy. to various youths and students functions; joined satyagraha movement, 1930; Secy., Harijan Sevak Sangh, 1932-38; Founder member and Chief in charge of Satyagraha movement, Hyderabad State Congress, 1938; Founder Pres. of Rashtriya Seva Dal, 1939; Hyderabad Debating Societies Federation; Hyderabad branch of I.N.T.U.C., 1949-50; social reformer; detained in jail with wife, 1942 and 1946; member: Hyderabad Municipal Corporation, 1950-52; Labour (Factory) Investigation Cttee., 1949; Employment Exchange Advisory Cttee., 1949-50; Central Food Advisory Cttee., 1949-50 and from 1952; Hyderabad State Delimitation Cttee., since 1953; P & T. Advisory Cttee., since 1952; Provisional Parliament, 1950-52. *Special interest*: Gandhian Economics, Finance, Commerce and Labour. *Favourite Pastime*: Reading, Walking, Discussion. *Recreations*: Swimming, Bridge. *Address*: Sultan Bazar, Hyderabad (Dn.).

HIDAYATULLAH, Mr. Justice M., B.A. (Nagpur), B.A. (Cantab.), Barrister-at-Law, O.B.E. (1946), Purne Judge, High Court of Judicature, Nagpur. b. Dec. 17, 1905, s. of late Khan Bahadur H. M. Wilayatullah, I.O.S.; m. Pushpa, d. of A. N. Shah, I.C.S., 1948; one s., Arshad and one d.; *Educ.*: Govt. High School, Raipur (1922); Phillip's Scholar, Morris College, Nagpur (1926); B.A. 2nd order of merit Malak Gold Medalist, Trinity College, Cambridge (1927-30), English and Law Tripos, Lincoln's Inn, Barrister-at-Law (1930). President, Indian Majlis, Cambridge (1929); Advocate, Nagpur High Court (1930-48); Lecturer, University College of Law (1935-48); Government Pleader (1942-48); Advocate-General, Madhya Pradesh (1948-46); Purne Judge (1946); member, Nagpur Municipal Committee (1932-53); member, Nagpur Improvement Trust; member, Nagpur University Executive and Academic Councils Court, etc. (1934-53); Dean of the Faculty of Law 1949-53; member, Nagpur Bar Council, 1948-46; Chief Commissioner, Madhya Pradesh Bharat Scouts and Guides, 1950-58. *Publications*: Miscellaneous papers. *Address*: Seminary Hill, Nagpur.

HIMATSINGHI, Major-General Maharaj Shri, C.I.E., Lt. Governor, Himachal Pradesh, since 1952. b. August 12, 1897, brother of H. H. the Maharaj Jam Sahab of Nawanagar; m. Chandra Kumari, d. of Colonel Thakur Prithi Singhji of Kotah; two d., Rajkumari Ratna Kunver and Rajkumari Mahendra Kunver; *Educ.*: Rajkumar College, Rajkot; Malvern College, England. Commissioned in the Indian Army 1917; Milly. Secy. and Home Minister, Nawanagar, and Member, Advisory Milly. Cttee. to the Chamber of Princes, 1931-39; Asstt. Milly. Secy. and subsequently First Secy. to the British Embassy at Tokyo, 1940-42; General Staff Officer, Grade I, Public Relations Directorate, G.H.Q., 1942-44; Dy. Dir., Public Relations and Inter-Services Publicity Liaison Officer, Washington, 1944-45; on special mission to various fighting fronts in Imphal, Arakan, Iran, Iraq, Italy, etc., 1942-45; Public Relations Directorate, G.H.Q., India, 1945; M.L.A. representing Indian Armed Forces, 1946-47; member, Indian Constituent Assembly, 1947; member, Union Constitution Cttee.; Chief Political Liaison Officer with Kathiawar Defence Force in the Junagadh operations, Kathiawar, Oct.-Nov. 1947; Military Adviser-in-Chief, Indian States Forces, Dec. 1947-Aug. 1950; retired from the Army, Jan. 1950; was elected as member of Parliament from Saurashtra appointed Whip of the Congress Party, Deputy Minister, Defence, Govt. of India and Member, Council of Ministers, Indian Republic, 1950-52. *Recreations*: Cricket, Golf, Rackets, etc. *Clubs*: Willingdon Sports Club, Bombay; Chelmsford Club, New Delhi; Cricket Club of India, Bombay; Sumer Club, Jamnagar. *Address*: C/o Central Bank of India Ltd., Jamnagar (Saurashtra); Raj Niwas (The Yarrow), Simla 4.



HIMMAT Singhji Sahib, Lt.-Col. Maharaj Dhiraj Shri, Member, Rajasthan Legislative Assembly, second s. of His late Highness Maharaja Sri Sir Umald Singhji Sahib Bahadur of Jodhpur, Almarahali, Lieut.-General, G.C.S.I., G.C.I.E., K.C.V.O., A.D.C., LL.D. b. 21st June, 1925; m. Princess of Patiala, one s., Maharajkumar Shri Inderjit Singh, born on March 20, 1953, *Educ.*: Mayo College, Ajmer. Received police training at Police Training School, Phillaur (Punjab); held portfolio of Home Department *Recreations*: Flying, Motoring, Shooting rifle shot gun and Pistol. *Address*: Jodhpur (Rajasthan).



HIRAI, Hiranand Pessumal, B.A., J.P., General Manager, Central Railway, since Nov. 1952. b. Jan. 18, 1900; m.; one s.; *Educ.*: Sind Coll. and St. Xavier's Coll., Bombay; took training on the Great Western Railway, England. Appointed Probationary Asstt. Traffic Manager, Central Railway, Jan. 1925; held charge of various Commercial Divisions on the Central Railway; appointed Goods Supdt., Wadi Bunder, April 1943; promoted Dy. Traffic Manager; during the war years worked as Dy. General Manager (Food Supplies); Chief Traffic Manager, 1947-50; General Manager, former G.I.P. Railway, Jan. 1950-Nov. 1952. *Address*: Glenogle, Mount Pleasant Road, Malabar Hill, Bombay.

HIRAY, Bhaurao alias Bhauasab Sakheram, B.A., LL.B. (First Class), Minister for Revenue and Agriculture, Bombay, since May 1952. President, Maharashtra Provincial Congress Cttee., 1949-52; member, Congress Working Cttee. b. March 1, 1905, of an agriculturist family; m. Rewatibai Hiray; two s.

and five d.; *Educ.*: Nasik upto Matric; Baroda upto B.A.; Poona Law College for LL.B. Began practising at Malagaon, Dist. Nasik; took to Social and Co-operative activities immediately; was elected to District Local Board, 1934 and Bombay Provincial Assembly on Congress ticket, 1937; was Parliamentary Secy. to Home and Revenue Depts.; resigned with Congress Ministries; was convicted for Satyagraha, 1940 and was detained for 15 months, 1942; was elected to Central Assembly in 1945; was Chairman, Reception Cttee., 56th Session of The Indian National Congress held at Nasik, Sept. 1950; is a social worker and Congress worker. *Address*: Agra Road, Nasik; Secretariat, Bombay.

HOLLIS, Rt. Rev. Arthur Michael, M.A., B.D., Bishop in Madras and Moderator, Church of South India. b. June 23, 1899, s. of late Rt. Rev. George Arthur Hollis, Bishop of Taunton; m. Mary Cordelia, d. of late Very Rev. Andrew Ewbank Burn, Dean of Salisbury. *Address*: The Diocesan Office, Cathedral P.O., Madras 6.

HORA, Dr. Sunder Lal, D.Sc., F.R.S.E. (1928), F.A.S. (1930), F.N.I. (1936), Hon. Member, American Society of Ichthyologists and Herpetologists (1946), Hon. Prof., Scientific Institutes, Netherlands Indies (1948), medals awarded from the School, Univ., Govt. Zoological Society of India and National Geographical Society of India, Director, Zoological Survey of India since 1947. b. May 2, 1896, s. of Lala Gobind Sahai Ilora of Ham Nagar and Shrinmati Lakshmi Devi of Hafizabad; m. Kumari Vidya Vati Ilora, 1920, one s. and two d.; *Educ.*: S. D. A. S. High School, Jullundur; Govt. Coll., Lahore, 1913-19; Zoological Survey of India, Calcutta, 1919-21; Edinburgh Univ., 1927-28. Asstt. Supdt., Zoological Survey of India, 1921-42; was Offg. Supdt.; Dir. of Fisheries, Bengal, 1942-46; Hon. Dir., Central Inland Fisheries Research, 1947. *Publications*: Over 800 papers, mostly on fish and fisheries of India, Zoogeography, Animal Ecology, etc. *Recreations*: Official and technical correspondence; study of the knowledge of ancient Hindus concerning fish and fisheries. *Address*: Museum House, 1, Sudder Street, Calcutta 18.

HULKOTI, Channappa Channaveerappa, B.A., LL.B., Vice-Chancellor, Karnataka University, Dharwar, since July 1951. b. Dec. 1887, s. of Channaveerappa; m. Smt. Karabasava of Kalchetti family, Nagurnd; two s. and two d.; *Educ.*: Govt. High School, Dharwar; Wilson Coll., Bombay; Law Coll., Bombay. Enrolled as a Pleader, 1914; elected Vice-Pres., Dharwar Municipality; Pres., 1920; Govt. and Public Prosecutor, 1924-28; re-elected Pres., Dharwar Municipality, 1926; elected Pres., Dist. Local Board, Dharwar, 1926; Asstt. Judge, 1928-30; appointed District Judge, Sholapur, 1930; worked as Dist. Judge in Sholapur, Satara, Ahmednagar, Jalgaon and Nasik; retired, 1942; member, Bombay Public Service Commission, 1949-51. *Address*: Vice-Chancellor, Karnataka University, Dharwar.

HUSAIN, M. Asim, B.A. (Punjab and Cantab.), Bar-at-Law, I.C.S., Consul General of India, San Francisco, U.S.A., since 1952. b. Oct. 6, 1913, s. of Sir Fazl-i-Husain of the Viceroy's Executive Council, India; m. Nurat; one s. and one d.; *Educ.*: Lahore, Oxford, Cambridge, London. Entered I.C.S., 1937; served in various capacities in the Punjab, 1937-43; Defence and later Information and Broadcasting Ministries, 1942-48; Secretary General to the India Delegation to the General Assembly, U.N., 1946; Adviser to India Delegation to the Third Session of the General Conference of UNESCO, 1948; visited U.S.A. under Leader Exchange (point IV) programme to study administration of U.S. foreign policy, 1951-52. *Publications*: *History of Panchayats in the Punjab, Fazl-i-Husain: A Political Biography*, etc. *Recreations*: Photography and music. *Clubs*: The Commonwealth Club

of California. The World Affairs Council of Northern California, The Gymkhana Club (New Delhi, India). Address: 417, Montgomery Street, San Francisco 4, California.

MUSENI, Syed Isahaque, B.A. (Hons.) (Oxon.), Barrister-at-Law of Lincoln's Inn, Joint Educational Adviser and ex-Officio Joint Secy., Ministry of Education, Govt. of India. b. March 21, 1905, s. of Syed Isahaque Husain; m. Mariam; one s., Hasan Masood and two d., Naz and Kusum; Educ.: Magdalen College, School, Oxford and Oriel College, Oxford. Practised at the Bar for 8½ years; Lecturer in History and Political Science and Reader in Economics, Aligarh Muslim Univ.; Senior Lecturer at Mayo College, Ajmer; Information Officer, Govt. of India; Deputy Educational Adviser and Deputy Secy. to the Govt. of India, Ministry of Education; First Secy., Education Dept., Indian Embassy, Washington. Publications: Various articles in different journals and newspapers from time to time. Recreation: Listening to music. Address: Ministry of Education, New Delhi; Sitapur, U.P.

MUSANI, Tajamal, Barrister-at-Law, Member, Indian Parliament. b. Dec. 19, 1893, s. of Khan Bahadur Nawab Sarfraz Hussain; m., d. of Khaja M. Raza, Inspector of Registrations, Bengal; four s. and two d.; Educ.: Public School, London; Inner Temple, London; Cambridge Univ. Member, Bihar Provincial Legislative Assembly, 1936–Feb. 1950; member, Constituent Assembly of India; President of many institutions and public bodies in Bihar; represented Indian Parliament as a Delegate to the Inter-Parliamentary Conference at Stockholm, Sweden, 1949; Member, Inter-Parliamentary Council, Geneva, Switzerland. Address: Patna City, Bihar; 12, Windsor Place, New Delhi.

HYDERABAD: Nawab Mir Osman Ali Khan Bahadur Nizam-ud-Daula, Nizam-ul-Mulk, Asaf Jah, the Rajpramukh of. b. April 6, 1886; m. Dulhan Pasha, d. of Nawab Jehangir Jung, a nobleman representing a collateral branch of the Nizam's family, 1906; Heir-Apparent, Nawab Mir Himayat Ali Khan, Asam Jah Bahadur, Prince of Berar; Educ.: Privately. Ascended the gadi, August 29, 1911; is entitled to a salute of 21 guns. Address: Hyderabad (Dn.).



IDAR: His Highness Maharajadhiraj Maharaja Shree Himatsinghji Sahab Bahadur, the Maharaja of. b. September 2, 1899; m. Shree Jawahar Kunwar Sahiba, d. of the Raja of Khandela in the Jaipur State, 1908; two s., Maharajkumar Shree Daljit Singhji, the Heir-Apparent, and Amar Singhji; Educ.: Mayo College, Ajmer where he had a brilliant academic career; at the college won every single class prize from the fifth form to the diploma, five for English and eleven for various other subjects. Was equally distinguished in the playing field; represented the Mayo College against the Aitchison College in tent-pegging and tennis; captained one or the other of the junior football or cricket teams; was one of the best polo-players at the college all through; won the first prize for riding in 1918. On leaving college plunged into the administration of the State, working under the close supervision of his father His late Highness; went on a tour of India in 1929–30 and acquired further practical experience of politics and administration; ascended the gadi, July 11, 1931; scored important successes on the Turf; won the Helpee Stakes of India, 1937, the then Blue Ribband of the Indian



Turf; has also won three of the five Indian Classics, the Indian Derby, the Indian Two Thousand Guinea and the Indian One Thousand Guinea, 1948. Recreations: Hunting, pigsticking, horse-racing, music, painting and photography. Address: Pratap Palace, Himmatnagar (Dist. Sabarkantha).

INDORE: Her Highness Shrimant Sahibagayawati Maharani Indirabai Holkar, grand-daughter of late Rao Bahadur Anand Rao Ramkrishna, J.P., and late Rao Bahadur Mukund Rao Ramachandra. m. H. H. Maharaja Tukoji Rao Holkar in 1918; Educ.: Privately, has been thrice to Europe. Takes keen interest in charitable institutions and is connected with Ahilya Seva Sadan of Indore, Rajwade Historical Research Institute, Ramdas Research Institute of Dhulia, Maharashtra Sahitya Parishad, Vedic Research Society of Poona, Dharmakosha Karyalaya of Wai, All-India History of Indian Philosophy, Village Uplift and the Red Cross Society. Managed the Educational, Medical, Charitable and Household Depts. of the State during 1923–24. Chairman, Reception Cttee., A.I.W.C. Silver Jubilee Session held at Poona, May 1953. Address: Lalbagh Palace, Indore.



INDORE: Major-General H. E. Maharajadhiraj Raj Rajeshwar Sawai Shree Yashwant Rao Holkar Bahadur, G.C.I.E. (1935), LL.D., Maharaja of. b. Sept. 6, 1908; m. Mrs. Sanyogitabai (d. 1937), d. of the Chief of Kagal Junior (Kolhapur), 1924; Heir: d. (by Gazette Extraordinary, 1950), Usha Raj Holkar, b. 1933; second Fay Crane, 1943; one s.; Educ.: England, 1920–23; Christ Church, Oxford, 1923–29. Succeeded to the gadi, 1928; assumed full ruling powers, 1930; has a salute of 21 guns within his territories and 19 outside; invited delegate to the Round Table Conference, 1931; assumed charge of the Office of the Senior Up-Rajpramukh of the Madhya Bharat State, May 28, 1948. Recreations: Tennis and Shikar. Address: Indore.

INDRA, Vidyavachaspati, Sahityavachaspati, M.R.A.S., Member, Council of States of India & Journalist: Vice-Chancellor, Gurukul Univ. b. Nov. 9, 1889, s. of Mahatma Munshi Ram; m. Shrim. Chandrawati; one s. and two d.; Educ.: Gurukul Univ., Kangri. Professor, Editor and Public worker. Publications: Books on Indian History, Politics and Fiction in Hindi. Recreations: Gardening, Music. Address: Vice-Chancellor, Gurukul University, Kangri, Haridwar.

ISMAIL, H. H., Hon. Presy. Magistrate & J.P., Hon. Consul-General for the Dominican Republic at Bombay, since 1952. b. Aug. 20, 1906, at Amreli; three s. and three d.; Educ.: Panchgani and D. Coll. of Commerce. Joined father's firm and established independent import-export lines, 1928, travelled extensively all over the world on business, active social worker connected with several social and educational institutions of Bombay; Pres.: Memon Chamber of Commerce;



International Social Club; Kathawar Relief Cttee.; Hon. Secy., Indian National Society, B.P. Radio Club. Address: Residence: Ismail Manzil, 28, Club Road, Bombay 8

ISMAIL, Amin-ul-Mulk Sir Mirza M., K.C.I.E. (1936), Kt. (1930), C.I.E. (1924), O.B.E. (1923), Ex-Resident Representative of U.N. in Indonesia. b. 1883; m. Zebinda Begum, Educ.: Wesleyan Mission High School,

Bangalore, with His Highness the late Maharaja of Mysore, at Mysore and Central College, Bangalore. Superintendent of Police, 1905; Asst. Secretary to H. H. the Maharaja, 1908; Huzur Secretary to H. H. the Maharaja, 1914; Private Secretary to H. H. the Maharaja, 1922; Dewan of Mysore, 1928–41; Prime Minister of Jaipur, June 1942 to July 1946; Prime Minister of Hyderabad, August 1946 to May 1947, Leader of the Indian Delegation to the Inter-Governmental Conference of Far Eastern Countries on Rural Hygiene, held at Bandoeng (Java), 1937; delivered Convocation Addresses of Annamalai, Madras and Calcutta Universities in 1935, 1938 and 1940 respectively and Patna and Dacca Universities in 1942, Nagpur University in 1943, Agra University in 1944, Benares Hindu University in 1945 and Aligarh Univ. in 1951. Address: Bangalore.

ISVARAN, V., B.A., Secretary, Agriculture and Forest Depts., Govt. of Bombay. b. July 31, 1908; Educ.: Zamorin's College, Calicut and Madras Christian College. Assistant Collector and Collector, Bombay Province from 1932; Director of Agriculture, Sind and Bombay; Chief Secy., Govt. of Saurashtra till March 1950. Club: Poona Gymkhana. Address: Secretariat, Bombay.

IYENGAR, K. R. Srinivasa, M.A., D.Litt., University Professor of English, Andhra Univ., Waltair, since June 1947. b. April 17, 1908, s. of B. Ramaswami Iyengar and Srimati Lakshmi Ammal; m. Srimati Padmasani, one s. and one d.; Educ.: Hindu College, Tinnevely; St. Xavier's College, Palamcottah. Taught in Ceylon (1928–31); Professor of English, Lingaraj College, Belgaur (1933–44); Vice-Principal, Basaveshwar College, Bagalkot (1944–47); toured U.K. on the invitation of the British Council, 1951. Publications: *Lytton Strachey: A Critical Study*, 1938; *Indian Administration* (with Prof. S. S. Basavanna), 1939; *S. Srinivasa Iyengar: The Story of a Decade of Indian Politics, 1939; Indo-English Literature, 1943; Literature and Authorship in India, 1943; Sri Aurobindo, 1945; The Indian Contribution to English Literature, 1946; A New Deal for Our Universities* and other books, contributes articles and reviews to leading periodicals and Newspapers. Recreation: Walking. Address: Residence: Sriputram House, Uplands, Waltair; Vacation Home: "Aravind", Kodakanallur, P.O., Tinnevely District.

IYENGAR, Rajagopal T. S., M.A., LL.B., 'Vidya Bhushana' (1942), Advocate, Mysore High Court b. Aug. 2, 1907, s. of T. R. Srinivasa Rangachar and Smt. Sunderamma; m. Smt. Jayalaxmi; five s. and three d.; Educ.: B.A. at Maharaja's Coll., Mysore, 1929; M.A. at Ferguson Coll., Poona, 1931; LL.B. at Law Coll., Poona, 1932; member: Mysore City Municipal Council for the last 15 years; Univ. Senate for the past several years; Mysore Leg. Council, A.I.C.C., 1938–40; Mysore Congress Working Cttee., 1938–40; ex-member, Academic Council, one of the elders in the State associated with the Co-operative movement; Pres.: 34th Mysore Provincial Co-operative Conference held at B'lore, 1948, Auxiliary Conference on Housing at the first All-India Co-operative Congress held at Bombay, 1952; Dist. Co-operative Institute; Vice-Pres., Mysore Prov. Co-operative Institute; Editor, Co-operative Journal, "Sahakara Patrika"; Courtied jail twice in connection with the C. D. Movement. Publications: *Indian Women in the New Age*, *Indians Overseas*; *The Making of Rural India*; *Princes and India Constitution*; *Public Opinion* (Univ. Publication), etc. Recreations: Reading, Walking, Contemplation. Address: "Krishna Kuteer", Mysore City.



ITYENGAR, T. V. Sundram, Founder and Chairman, T. V. Sundram Iyengar & Sons Ltd., Madurai. Built up the organisation of T. V. Sundram Iyengar & Sons Ltd., as a dealer of Motor Vehicles and spares, 1918-39; re-entered Road Transport, 1939; is a pioneer in the field of Road Transport in India; visited U.S.A. with a view to attaining more knowledge about his enterprises and developing them. Address: T. V. Sundram Iyengar & Sons Ltd., Madurai.



ITYER, Muthu Ganapathy, B.A., J.P., Chief Commercial Superintendent, Central Railway. b. April 30, 1906, s. of the late Muthu Iyer of Travancore; m. Smt. Rajam Rammath, d. of Rammath Iyer of Travancore; three s. and two d.; Educ.: Trivandrum Coll., Travancore. Various positions on the Central Railway, such as Divisional Traffic Manager, Divisional Transportation Superintendent, Dy. General Manager, etc. Recreations: Swimming; Hiking. Clubs: Gondwana Club, Nagpur; Cricket Club, of India, Bombay; National Sports Club of India. Address: Central Railway, Victoria Terminus, Bombay.



ITYER, Mr. Justice P. V. Balakrishna, B.A. (Hons.) (Madras), M.A., Judge, High Court of Judicature, Madras, since 1919. b. Sept. 26, 1900, s. of P. V. Venku Ayyar; m. Srim. Rugmani Ammal, d. of S. Krishna Ayyar, Advocate and Planter; two s. and one d.; Educ.: St. Joseph's High School, Pavaratty; St. Joseph's Coll., Trichy; Law Coll., Madras. Topped the list in the I.C.S. competition in India, 1923; Asstt. Collector, Madras; Sub-Collector, Sivakasi, Chandragiri and Rajahmundry; Dist. & Sessions Judge, Anantpur, Salem, Trichy, Tinnevely, S. Arcot and Madras; was Secretary to the Govt. of Madras in the Legal Department and as such drafted a number of Acts including the Zemindari Abolition Act. Recreations: Tennis; Gardening. Address: "Cranleigh", Greenways Road, Adyar, Madras.

ITYER, R. S. Venkateswara, A.C.A., F.C.W.A. (London), F.I.C.W.A., A.M.I.A. (London), Chartered Accountant, and Principal, The Laxmi College of Commerce, Bombay. b. Dec. 16, 1908, Educ.: Passed G.D.A., 1932; elected Member, Institute of Chartered Accountants of India; Rly. Auditor, 1932-44; Elected Associate (1946) and Fellow (1952), Institute of Cost and Works Accountants, London and The Institute of Cost and Works Accountants, Calcutta; elected member, National Assoc.



of Cost Accountants, New York (1947); elected Associate (1947) and Associate Member (1948), Institute of Industrial Administration, and the British Institute of Management, London; actively associated with the promotion of Industrial and Commercial Education in Bombay for several years, first in India to institute oral courses of training for professional examinations in Cost Accountancy and Industrial Administration; has introduced suitable Cost Accounting and Scientific Management Systems in various Industrial undertakings; acting as Financial Adviser to various business houses besides practicing as Chartered Accountant; Member, Syndicate (Ctee. of Studies) of the Indian Institute of Road Transport, Bombay; Staff Member, First Residential Study Course in Management Practice sponsored by the Govt. of India and held at the Indian Institute of Technology, Kharagpur, Feb. 1953. Life Member: Shri Thyagaraja Sabha, Matunga; Bharatiya Music and Arts Society; is connected with

various other social institutions. Publications: Several articles on "Cost Accountancy" and "Industrial Management" in professional and trade journals. Address: 8-A, Visanji Park, Naigaum Cross Road, Dadar, Bombay 14.

ITYER, Tiruvavur Pichu Subrahmanyam, M.A. (Madras), Registrar, University of Delhi, since 1947. b. March 6, 1900, s. of V. Pichu Iyer; m. Shrim. Sethu; five s. and four d.; Educ.: Govt. High School, Tiruvavur; Presidency Coll., Madras. Was temporarily employed in Govt. Offices and Indian Bank Ltd., Madras, till 1924; joined Delhi Univ. as Personal Asstt. to the first Vice-Chancellor, late Sir Hari Singh Gour; Asstt. Registrar till 1947. Publications: Some articles in Journals and Magazines. Recreations: Tennis; Badminton. Club: University Club, New Delhi. Address: University Buildings, Delhi 8.

ITYER, T. S. Subramania, B.A. (Hons.) (Hist. & Econ.), M.A. (Madras), Retd. Accountant-General, Madras, b. June 11, 1897, s. of N. S. Subramania Iyer; m. Vimala, d. of K. Ramachandrar, B.A., Pleader, Naxapatam (Tanjore Dist.); three s., Ramakrishna, Ram Chandar, Viswanathan and one d., Mrs. Annapurna Ravindran; Educ.: High School Tripunittura (Cochin); Maharaja's College, Ernakulam; Maharaja's College, Trivandrum; Started as a School Master in the Cochin Educational Service, 1918; passed the Competitive Examination for entry into the I.A. & A.S. held in Dec. 1921; joined the Indian Audit Dept., Feb. 1922; served in various Audit and Accounts Offices: Civil, Commercial and Railways; was Accountant-General, M. P., till September 1950; was on special duty for 6 months from July 1949 to lay down standards for the various Civil and Postal Accounts Offices; Asstt. General Madras, 1950-52. Recreations: Gardening, Hiking and Physical Culture. Address: 4-B, Rathna Nagar, Royapettah, Madras 14.

JAGTIANI, Lalchand Amardindomal, B.A., S.T.C., Novelist, Play-wright and Critic; Professor of Sindhi, S.N.D.T. Coll. for Women, Bombay. b. Jan. 25, 1885, m. Smt. Hejibai (deceased), one d.; Educ.: Hiranand Academy, Hyderabad, Sind; Dayaram Jethmal and Coll., Karachi. Started life as a School Master in a Primary School; became Head Master of several Semi-Govt. Secondary Schools; took active interest in Politics; counted jail, 1922-23; gave up active Politics, 1930. Publications: *Chah-jo-chand* (original novel); *Nan Varna-jo-Khan* (short story); *Kirat Ras* (a brochure of devotional songs); *Phulan Math* (Essays); *Umar-jo-Marvi* (a four act play based on folk tale); *Shaham Shah* (a critical essay on Shah Abdul Latif the Premier Poet of Sind. Recreations: Sight-seeing, Hiking, Travelling. Address: Fatima Manzil, Pandit Jawaharlal Nehru Road, Santa Cruz East, Bombay 25.

JAIN, Ajit Prasad, M.A., I.L.B., M.P., Minister for Rehabilitation, Govt. of India. Advocate b. 1902, s. of Babu Mukand Lal; m. Shrimati Lakshmi Devi; two s. and one d.; Educ.: Lucknow University. Took part in all Civil Disobedience movements from 1930 onwards; M.L.A. (U.P.), 1937-48; Parliamentary Secretary, 1937-39; Member: Constituent Assembly of India, 1949-50; A.I.C.C. for a long time; Member, Zamindari Abolition Ctee., U.P., Special Recruitment Board for I.A.S., I.P.S., etc. Publications: U.P. Tenancy Act (Commentary on) and miscellaneous contributions to several publications on agrarian questions and land problems. Address: Ambala Road, Saharanpur; New Delhi.



JAIN, Jaichand, M.A., General Manager, Bharat Insurance Co., Ltd., from June 1, 1944 and General Manager, Bennett, Coleman & Co.,

Ltd., since March 1950. b. Oct. 20, 1911, s. of late L. Prabhu Dayal, M.A.; m. Sh. Brij Mala Jain; two s. and one d.; Educ.: Hindu Coll., Delhi; Govt. Coll., Lahore. Represented Western India Life Ins. Co., Ltd. of Satara as Chief Agent & Branch Manager for Punjab, 1935-42; Secretary to Seth J. Dalmia, Oct. 1942-May 1944; Pres.: All India Federation of Master Printers, 1953; Audit Bureau of Circulations Ltd., 1953; was Vice-Pres., Indian and Eastern Newspaper Society; elected its President for 1954. Publications: Research thesis - post Ranjit Singh period. Recreations: Indoor games; Travel. Clubs: Chelmsford Club & Roshanara Club, Delhi; National Sports Club, C.C.I., Radio Club, Orient Club, Rotary Club, Willington Sports Club, and Turf Club, Bombay. Address: 75, Walkeshwar Road, Bombay.

JAIN, Dr. L. C., D.Sc. Econ. (London), Economist and Educationist. b. March 15, 1901, at Meerut, s. of B. M. Jain; m. Smt. Kiran Devi, 1924; three d.; Educ.: Univ. of Allahabad; M.A. 1st Class 1st, 1923;



I.L.B., 1924; Winner of Queen Empress Victoria Jubilee Medal; Univ. of London, Ph.D., 1928 and D.Sc. (Econ.), 1933; Lecturer in Economics and Statistics, 1925. Secy., Banking Inquiry Commn., United Provinces, 1929-30; Officer on Special Duty, U. P. Govt., 1933; Member: Indian Tariff Board, 1937-38. Professor and Head, Economics Dept., Punjab Univ., 1931-15; Fiscal Adviser to Ceylon Govt., 1939; Member: Foodgrains Policy Ctee., Govt. of India, 1943; Post-war Reconstruction Ctee. on Agriculture, Trade and Tariffs, Labour, Currency and Finance, Govt. of India, 1941-46; Price Control Ctee., 1942; Reconstruction Ctee., Govt. of Punjab, 1943; Central Food Advisory Ctee., Govt. of India, 1944; Secy., Punjab Board of Economic Inquiry, 1944; Trustee and Pres., Board of Trustees, Jain Hostel, Allahabad; General Secy., Indian Economic Assoc., 1933-36; Pres., 1939; Pres., First Economists Teachers Conference, 1940; K. P. Reader, Delhi Univ.; Banall Professor, Patna Univ.; Fellow: Univ. of Allahabad, 1922-31; Univ. of Punjab, 1944-46 and Banaras, since 1940; Indian Govt. Adviser to Allied Control Commn. in Japan, 1946; Indian Representative to Philippines, 1946; Political Representative of India and Head, Indian Liaison Mission in Japan, 1946-47; Economic Adviser to Ministry of Rehabilitation, Govt. of India, 1947-48; Financial, Economic and Development Adviser, M.B. Govt., 1948-52; Pres., Textile Enquiry; Member, Planning Board and Ctees, M.B.; Univ. Prof. of Economics and Commerce, Sagar, M.P., since 1953; Convener, Experts Ctee. on Economics (Hindi), Min. of Education, 1954, United Nations Economic Adviser to Afghanistan Govt., 1952-54; Adviser to UNTAM, Kabul, 1954. Publications: *Indigenous Banking in India* (MacMillan & Co., London), 1928; *Monetary Problems of India* (MacMillan & Co.), 1933; Working of Protective Tariffs in India (Univ. of Delhi), 1941; Report on Effects on Ceylon of Textile Quotas and Preference Duties (Ceylon Govt.), 1942; *Indian Economy during the War* (C. M. G. Press, Lahore), 1944; *Madhya Bharat Statistics and Economic Reviews*; *Madhya Bharat* in 1948-49 to 1951-52; *Madhya Bharat in Maps*, 1952. Address: University of Sagar, M.P.; Residence: 21, The Mall, Sagar Cantt., M.P.

JAIN, Lakshmi Chandra, B.Sc. (Allahabad), Director-General of Civil Aviation. b. 1910; m.; two s., Vijaya Kumar and Ajaya Kumar; Educ.: Allahabad Univ. and London Univ. Joined the Indian Civil Service, 1934; served as a Joint Magistrate and Dist. Magistrate in several districts in U.P.; was Director of Industries, U.P., for two years; Chief Secy., Govt. of Hyderabad for nearly three years;

Chief Labour Commr. (Central) for two years; Dir. Genl. of Resettlement and Employment for six months. *Hobby*: Flying. *Clubs*: Delhi Gymkhana; Secunderabad Club; Delhi Flying Club. *Address*: Director General of Civil Aviation, Talkatora Road, New Delhi.

JAIN, Narendra Kumar, B.A., Business man; District Scout Commissioner, Dehra Dun. b. 6 July 19, 1923; *Educ.*: Muzaffarnagar, Deoband, Meerut; graduated from Agra Univ., 1943. After schooling went to Udalpur (Rajasthan), continued Congress work; during coll. life organised Students' Congress; participated in national struggle and arrested in 1942 movement; Pres., All India Jain Sangh; State Councillor, U.P. Hindustan Scouts Assoc.; took to mineral work and formed several joint stock companies like



Mineral Traders Ltd., Veer Saltiya Mandir Ltd., Disposals (India) Ltd., etc.; settled at Dehra Dun, 1946 and served there as Hony. Secy., Relief and Rehabilitation Cttee. formed by the Govt.; edited an All India Arms & Ammunition Dealers Directory, the 1st of its kind; member, Crime Prevention society; Chairman, Youth Service Cttee.; Hon. Jail Visitor. *Publications*: *History of Scouting* besides some Jain Publications. *Clubs*: Rotary Club. *Address*: Hanuman Chowk, Dehra Dun, U.P.

JAIN, Pratap Chand, Manager, Ajmer, Rajasthan and Madhya Bharat office at Ajmer, Free India General Insurance Co. Ltd., since 1941. b. 1913, of a prominent industrialist and business family of Jhalrapatan City (Rajasthan). *Educ.*: Christian Coll., Indore. Dir. Trade India; Senior Partner, Pratap Chand Jain & Sons; Founder-Member, Pres. (1950-51), The Rotary Club of Ajmer; Special Representative of Governor, Rotary International, 51st Dist., since 1945; Asst. Grand L.G., Grand Lodge of United Scottish Freemasonry of India and Pakistan; Master, Lodge Kindred Hope 509, S.C.; Treasurer, Royal Chapter, Friendship, Ajmer; Incharge, Labour Upliftment Scheme for Ajmer State; Founder-Member, Member Executive Cttee., Bhartiya Lok Kala Mandal; Chairman, Council of Affairs, Cosmopolitan Circle; member: Ajmer State Provincial Congress Cttee.; Ajmer Town Congress Cttee.; Convener, Congress Sewa-Dal Provincial Volunteer's Board, Ajmer State; Municipal Commissioner, Chairman, Public Health Standing Cttee. (1951); Patron, Treasurer, The Ajmer Sangeet Samaj; member, executive Cttee., Ajmer Music Coll.; Vice Pres.; Jain Sabha, Rajasthan Gymkhana, Rajputana Table Tennis Assoc. Chairman, Photographic Cttee., Ajmer Fine Arts Assoc.; member: Flying Club, Jaipur; Order of the Road, London; Rationalist Press Assoc. Ltd., London. *Address*: Free India House, Ajmer.



JAIN, Shanti Prasad, B.Sc., Industrialist. b. 1912 at Najabad, Dt. Bijnor, U.P.; m. Shrimati Rama, d. of Seth Ramkrishna Dalmia; three s., and one d., Alka; *Educ.*: Benares Hindu Univ. and Agra Univ. Has two decades of close association with and knowledge of working and management of important industries like Cement, Sugar, Paper, Coal, Chemicals, Vanaspathi, Asbestos Cement Sheets and controls a chain of such industries situated in Bihar, under the managing agency of Sahu Jain Ltd., and Jute Mills in



West Bengal; a keen student of Economics

and Finance and deeply interested in statistical studies; strives for and believes in all-round industrial development through Indian enterprise for improvement in the people's standard of living; visited the Dutch East Indies in 1936 and Australia in 1945 as member of Indian Trade Delegation; associated with various Govt. Advisory Bodies and Industrial Organisations; President: Bihar Chamber of Commerce, Patna; Employers' Assoc., Calcutta; Bihar Industries Assoc., Patna; Ex-Pres.: All-India Organisation of Industrial Employers, New Delhi; Indian Chamber of Commerce, Calcutta; Indian Sugar Mills Assoc., Calcutta; Indian Paper Mills Assoc., Calcutta; Federation of Indian Chambers of Commerce and Industry, New Delhi; Chairman and Director: Rohtas Industries Ltd.; S.K.G. Sugar Ltd.; Bharat Collieries Ltd.; Dalmia-Jain Collieries Ltd.; New Central Jute Mills Co. Ltd., Dalmia-Jain & Co., Ltd.; National Safe Deposit & Cold Storage Ltd.; Director: Lothian Jute Mills Co. Ltd.; N. K. Jain & Co., Ltd.; Orissa Cement Ltd.; South Bihar Sugar Mills Ltd.; Founder, Bhartiya Gyan Pith (Academy), Benares; Life Member, Indian Council of World Affairs and Indian Institute of International Affairs. *Hobbies*: Riding and Tennis. *Address*: 11, Clive Row, Calcutta.

JAIN, Sahu Shriyans Prasad, M.P. (Council of States), Controlling Authority of the Sahu-Jain Group of Industries and commercial institutions in Bombay State. b. 1908 in the Sahu family of Najibabad—(Dandesh Sadan), renowned for its traditional liberality and public service; has rendered invaluable service to the people of his town and district; has given large sums in charity and takes keen interest in all matters of social reform and public enlightenment; has done pioneering work in the field of girls' education, Seva Samitis and public libraries for the welfare of his district in particular and the State in general; President, Education Committee of the District Board, Bijnor; and Vice-Chairman, Municipal Board, Najibabad, for many years; has outstanding executive ability and a knack for big business; Chairman: Dhrangadhra Chemical Works Ltd., Bharat Fire and General Insurance Ltd., Delhi; Director: Allahabad Law Journal Co. Ltd., Allahabad, The New Kaiser-Hind Spg. & Wvg. Co. Ltd., The Raymond Woollen Mills Ltd.; The Punjab National Bank Ltd.; The Express Newspapers Ltd., Madras, Indian Hardware Industries Ltd., Carona Sahu Co. Ltd.; a leading figure in the Jain Community; patronizes a number of important institutions and reform schemes; specially interested in giving the community and the country its first full-length Documentary films of ancient Jain Art and Architecture; President, All-India Digamber Jain Parishad, Delhi. *Address*: "Shikharanj", 29-A, Carmichael Road, Malabar Hill, Bombay.



JAINI, Jagan Nath, Chairman and Managing Director, National Advertising Service Ltd. (Established 1931); Chairman, Advertising Films of India Ltd., Bombay. b. August 31, 1893. *Educ.*: Lahore. Was



elected member of the Incorporated Sales Managers' Assoc., London, 1939; member, Export Advertising Assoc., Inc., New York; Founder Member and member of the Executive Cttee., Audit Bureau of Circulations Ltd., Bombay and Advertising Agencies Assoc. of India; has travelled extensively in India, Pakistan, Ceylon and Burma and visited America and England in 1946-47 and 1952. *Address*: "Pallputra", 502, 16th Road, Khar, Bombay 21.

JAIPUR: Lt.-General His Highness Saranad-i-Rajahal Hindustan Raj Rajendra Shri Maharajadhiraj Sir Sawai Man Singh Bahadur, G.C.S.I., G.C.I.E., L.L.D. and



thirty-ninth Ruler of the former State of Jaipur and head of the Kachhawa clan of Rajputs. b. August 21, 1911, adopted s. of Lt.-General Maharaja Sir Sawai Madho Singh Bahadur, G.C.S.I., G.C.I.E., G.B.E., L.L.D., whom he succeeded on Sept. 7, 1922 and assumed full Ruling Powers, March 14, 1931; celebrated the Silver Jubilee in Oct., 1947; m. first the sister of Air Vice-Marshal His late Highness Sir Umed Singh Bahadur, G.C.S.I., G.C.I.E., K.C.V.O., A.D.C., Maharaja of Jodhpur, Jan. 30, 1924; secondly d. of His late Highness Sir Sumar Singh, Maharaja of Jodhpur, April 24, 1932 and thirdly the n. sister of Lt.-Col.-H. H. Sir Jagadipendra Narayan Bhop Bahadur, K.C.I.E., Maharaja of Cooh-Dehar, May 9, 1940; 4 s. and 1 d., m. to the present Ruler of Dewangaria State, May 1948. *Educ.*: Mayo College, Ajmer, Royal Military Academy, Woolwich. Holds the rank of Hony. Lt.-General in the Indian Army; Colonel of the Sawai Man Infantry, Jaipur; commissioned in His Majesty the King's Life Guards (1939), attended Staff College course at Quetta, 1943, entitled to a permanent salute of 17 guns and to a local salute of 19; hereditary member, Court of the Benares Hindu Univ.; Pres., General Council, Mayo College, Ajmer and the Indian Polo Assoc., Trustee, Victoria Memorial, Calcutta; Patron, Indian Gymkhana Club, London; National Horse Breeding and Show Society, Delhi; C. C. I. Ltd., Rajputana Cricket Club, Ajmer; Aero Club of India and Burma, Jaipur Flying Club; Jaipur Medical Assoc.; Northern India Amateur Boxing Assoc.; Vice-Patron, R.I.N. Benevolent Assoc., New Delhi; Life Member and Vice-Pres., Indian Rifle Club, England; Founder-Member, International Club of India; member, General Council of the King Edward Hospital and Medical School, Indore; became Rappamukh of Rajasthan in 1949, on the integration of Rajputana States; is an international Polo player and in 1933 took his Polo team to England where it achieved exceptional success setting up a record by winning all open tournaments. *Recreations*: Polo, Tennis, Shooting and Flying. *Clubs*: Marlborough, Life Guards, Cavalry, Hurlingham, Roehampton (London), Jaipur, Wellington, Sports Club, Ootacamund (Nilgiris), Jodhpur Flying, W.J.A.A. Bombay. *Address*: The Palace, Jaipur, Rajasthan (India).

JAIPURIA, Seth Mungra Ram, Millowner, Merchant, Financier and Zamindar. b. 1900, of the famous Jaipuria family of Nawalgarh (Jaipur State), s. of late Seth Anandramji Jaipuria; m.; two s. and one d. Chairman,



The Swadeshi Cotton Mills Co. Ltd., Kanpur; Director and/or Managing Director of many Joint Stock Companies which own Vegetable Ghee factory, Collieries, Oil, Dal and Rice Mills, Rolling Mills, Mica and China Clay Mines, Real Properties, Silk and Art Silk Mills, Plastic Factory, Cotton Mills, Sugar Mills, etc., etc. Managing Director, Jaipuria Brothers Ltd., Calcutta, Director, Hindustan Mercantile Bank Ltd., Hercules Insurance Co. Ltd., etc., etc.; member, Cttee. of various Chambers of Commerce including Indian Chamber of Commerce and Indian Sugar Mills Assoc., Calcutta; Member: Central Advisory Council for Industries set up by the Govt. of India, Uttar Pradesh Govt. State Planning Board, Founder, Seth Anandram Jaipuria High School, Anandnagar

(District Gorakhpur), Seth Anandram Jaipuria Coll., Calcutta and Seth Anandram Jaipuria Eye Hospital, Nawaigarh (Jaipur State), in memory of his father; founder of and donor to, a large number of Educational and Charitable Institutions; greatly interested in social reforms. *Address*: Swadeshi House, Civil Lines, Kanpur, U.P.

JAIPURIA, Sitaram, Millowner, Merchant and Financier. *b.* in the Jaipuria family of Calcutta, *s.* of Seth Mungtaramji Jaipuria. Director, Jaipuria Brothers Ltd.;



Chairman, Advisory Cttee. of the Govt. Central Textile Institute, Kanpur; member: International Federation of Master Cotton & Spinners, Manchester (England); Central Railway Advisory Cttee., Kanpur; Cttee. of the Employers' Assocn. of N. India, Kanpur; Cttee. of the Merchants' Chamber of U.P., Kanpur; Cotton Cttee. Upper India Chamber of Commerce, Kanpur; Advisory Cttee. of the Harcourt Butler Technological Institute and several other institutions; takes keen interest in industrial and economic development of the country; had an extensive tour of Egypt, U.K., Germany, France, Switzerland, etc. to have a comprehensive study of various industries; his family is famous for their educational and other charities; takes keen interest in the various colleges, schools and hospitals run by his family. *Address*: Swadeshi House, Civil Lines, Kanpur.

JAIRAMDAS Doultram, Governor of Assam, since May 1950; Journalist and Political worker. *b.* 1892, at Hyderabad (Sind); *Educ.*: Graduated in Law, 1915. Practised as a lawyer in Karachi, 1915-19; joined the Home Rule Movement, 1916; took part in Satyagraha Movement, 1919; member, All-India Congress Committee, 1917-41; participated in the Non-Co-operation Movement, 1920-21; Editor, *The Hindu*, Karachi, 1921, sentenced to two years rigorous imprisonment; Editor *The Hindustan Times*, Delhi, 1925-26; member, Bombay Leg. Council, 1926-29; resigned to assume charge of Secretaryship of All-India Foreign Cloth Boycott Committee; joined Satyagraha Movement, 1930-34; wounded during police firing at Karachi on April 16, 1930 while pacifying mob; General Secy., Indian National Congress, 1931-34; member, Congress Working Committee, 1928-41; jailed again 4 times during the political movement, 1930-34; released June, 1934 and again arrested in Aug., 1942; released in April, 1945; Governor of Bihar, 1947; Minister for Food and Agriculture, Govt. of India, 1947-50. *Address*: Shillong, Assam.



JAJOO, Sitaram Surajmal, B.Com., LL.B., Minister for Law and Justice, Industries & Commerce and Information, Govt. of Madhya Bharat. *b.* May 29, 1915, at Neemuch, *s.* of Rai Sahib Seth Surajmal C. Jajoo and Shrim. Bhanwari Devi; *m.*



Sumitra Jajoo; three *s.* and two *d.*; *Educ.*: Cantonment School, Neemuch, Allahabad Univ.; Holkar Coll., Indore; S.D.P. Coll., Beawar. Joined Congress at the age of 20; Pres., Holkar Coll. Law Debating Society, 1937-38; detained and imprisoned (1942); Pres., Gwalior State Congress (1948); General Secy., Madhya Bharat Provincial Congress (1948-49); member: A.I.C.C.;

Constituent Assembly of India; Mahatma Gandhi Memorial Fund and Kasturba Fund, Madhya Bharat, etc.; elected Whip of the Congress Party in Parliament (1951). *Publications*: Many articles on political topics in Hindi and English. *Recreations*: Tennis; Bridge; Swimming. *Clubs*: Yeshwant Club, Indore; Officers' Club, Neemuch; Neemuch Sarvajanik Club. *Address*: Jajoo Mansion, Neemuch Cantonment; Gandhi Road, Gwalior.

JALAN, Iswar Das, M.A., B.L., Attorney-at-Law, Minister for Local Self-Govt., West Bengal. *b.* 1895; *Educ.*: Muzaffarpur and Calcutta. Solicitor; member, Calcutta Corporation, 1927-30; member: Bengal Legislative Assembly, 1938-47; West Bengal Legislative Assembly; Speaker, West Bengal Legislative Assembly. *Address*: 47, Zakaria Street, Calcutta 7.

JALAN, Nandkishore, Business Man. *b.* March 8, 1921, 5th *s.* of late Seth Bansidhar Jalan at Calcutta; *m.* Smt. Shanti Devi, *d.* of Raja Hariram Agarwal, Allahabad; one *s.* and three

d.; *Educ.*: Privately under distinguished Professors of Calcutta Univ. and educationists. Entered business at the early age of 18; took up the administration of W. H. Harton & Co., Ltd. (Rope Works), Shree Hanuman Steel Rolling Mills, Howrah Trading Co., Ltd. (Engineering Works); took complete charge of Moon Mills, Ltd. (Cotton Mill), Bombay, 1944; took over charge of Oriental Gas Co., Ltd., Calcutta and Bombay Gas Co., Ltd., Bombay, 1946; successfully managed them at a critical time when European General Manager and Engineers resigned. Partner, Soorajmull Nagarmull; looks after its Oil and Shipping Departments and Bengal Jute Mill Co., Ltd.; co-opted several times as Cttee. member, Indian Chamber of Commerce, Calcutta; Cttee. member: Calcutta Jute Fabrica Shippers Assoc.; Indian Jute Mills Assoc. Commissioner for the Port of Calcutta; Director: Bombay Gas Co., Ltd.; Asiatic Textile Co., Ltd.; Moon Mills, Ltd.; Bikaner Industrial Corporation, Ltd.; W. H. Harton & Co., Ltd.; Madarpur Trading Co., Ltd.; Popular Jute Trading Co., Ltd.; is a keen sportsman. *Clubs*: National Sports Club of India; Calcutta South Club; Bengal Rowing Club; Royal Calcutta Turf Club; 300 Club; Cricket Club of India; National Cricket Club. *Address*: Soorajmull Nagarmull, 8, Dalhousie Square (East), Calcutta.



JALORI, Takhatmal, Ex-Chief Minister, Madhya Bharat. *b.* 1895, at Baroda. Practised at the State Bar, 1913-43; Secy., Gwalior State Pleaders' Conference for several years and once President; member, Working Cttee., Gwalior State Congress, 1939; Pres., Rhind District Political Conference, 1939; Working Cttee., Bharat Jain Maha Mandal; Chairman, Reception Cttee., All-India Digambar Jain Parishad, Bhilsa; Convener, first meeting of Public Workers of Gwalior State, which resulted in the formation of State Congress; the first non-official Minister for Rural Welfare and Local Self-Govt., Gwalior State; resigned, 1942; again appointed Minister as Congress nominee, 1947; inaugurated the Indore State Local Self-Govt. Conference, 1942; one of the founders of Jain High School, Bhilsa; started various Institutions at Bhilsa such as Vyayamshala, Sarvajanik Library, etc.; was Finance Minister in the Responsible Govt. in Gwalior State, 1948 and later in Madhya Bharat till Jan. 1949; was Vice-Pres., Provincial Congress Cttee., Madhya Bharat; Chairman: Transport Nationalisation Cttee., Madhya Bharat, 1949; Harijan Disabilities Enquiry Cttee.; Pres., Madhya Bharat P.C.C., 1953. *Address*: Gwalior.

JAMMU and KASHMIR: Lt.-Gen. H. H. the Maharajahadhiraj, Shri Hari Singhji, G.C.S.I., G.C.I.E., G.O.V.O., Maharaja of, Salute 21 guns. *b.* 1895; *Educ.*: Mayo Coll., Ajmer and Imperial Cadet Corps, Dehra Dun; Hon. LL.D., Punjab and Benares Hindu Univ.; Hon. Lt.-Gen. in the British Army; a Representative of India to War Cabinet, 1944; Chancellor, Ben. Hindu Univ. (Aug. 1948); K.C.I.E. (1918), K.C.V.O. (1922), G.C.I.E. (1929), G.C.S.I. (1933), G.O.V.O. (1946). *Address*: Winter: Jammu-Tawi; Summer: Srinagar, Kashmir.

JAMMU and KASHMIR, Yuvraj Karan Singhji, B.A., Sadar-i-Riyasat of. *b.* March 9, 1931, *s.* of Maharajahadhiraj H.H. Hari Singhji and Maharani Tara Devi; *m.* Yuvarani Yasho Rajya Lakshmi;

Educ.: Upto Senior Cambridge at Doon School, Dehra Dun; Intermediate as a Private Student from Allahabad Univ.; B.A. as a Private Student from Jammu and Kashmir Univ.; is now studying for M.A. Political Science. Chancellor, Jammu and Kashmir Univ.; took over as Regent, i.e., Constitutional Head of the State, June 20, 1949; elected and sworn in as first Sadar-i-Riyasat (Head of the State), Jammu and Kashmir, Nov. 17, 1952. *Recreations*: Indian Classical Music; Prolific reading, particularly Political Science and Philosophy; Chess. *Address*: The Palace, Srinagar (Jammu and Kashmir State).



JAMSHEDJI, Jai, Managing Director, Noble Paint & Varnish Co. Ltd. *b.* March 24, 1911, *s.* of late Mehrbhai and



Jaimeshaji Hormasji Commisariat; *m.* Miss Kati Manchershaw Polishwalla, 1942; one *s.*, Dinar and four *d.*, Villi, Roshan, Meher and Dina; *Educ.*: Elphinstone Coll.; obtained Technical training at Victoria Jubilee Technical Institute, Bombay, 1933. Founded Noble Paint & Varnish Co., one of the leading paint factories in India; has been responsible for the quick growth of his paint concern; started manufacturing Wrinkle Finish Enamel from 1950; is a keen sportsman and a member of Lodge Blackwell. *Address*: Noble Paint & Varnish Co. Ltd., Fergusson Road, Lower Parel, Bombay 13.

JAMUAR, Mr. Justice Brahmadeva Prasad, M.A. (Hons.) (Oxon.), Judge, High Court, Patna. *b.* Sept. 22, 1898, *s.* of late Rai Bahadur Bishun Prasad Gaya, Bihar; *Educ.*: City of London School, England; took Hons. degree in Jurisprudence at Oxford, England. *Address*: Patna, Bihar.

JARIWALA, Lalubhai Chakuram, D.Sc., J.P., Industrialist and Business man. *b.* December 31, 1900; *m.* Savitadevi, *d.* of Vithaldas Zaverchand of Patan and Kanpur; two *s.* and one *d.*; *Educ.*: St. Xavier's, Sydenham and National College of Gujarat



Vidyapith, Bombay, Universities of Vienna (Austria) and Frankfurt-on-Main (Germany); took Doctorate in Science (Chemistry) at the University of Frankfurt. Chairman, Solar Batteries and Flashlights Ltd.; Director, National Electrical Industries Ltd.; Jayabharat Publications Ltd.; Partner: L. C. Jariwala & Co. (Industrial Plant and Machinery), Bombay; Vithaldas Zaverchand (Cloth Merchants &

Textile Import-Export), Bombay and Ahmedabad; First Indian to establish successfully on a large scale Dry Cell and Battery Industry in India; visited Europe several times and U.S.A. for Battery, Carbon and Allied Industries and on business. *Address*: 3, Cuffe Parade, Colaba, Bombay 5.

JASDANWALLA, Y. A. *Educ.*: Bharda New High School, Bombay. Partner, Adamji Lookmanji & Co.; Chairman, Alco Insurance Co., Ltd.; Director, Steelyard Ltd.; Petroleum & Minerals Ltd.; Montana Ltd.; Bombay Mercantile Co-operative Bank Ltd.; New Consolidated Construction Co. Ltd. *Clubs*: Cricket Club of India Ltd., Islam Gymkhana, Bombay. *Address*: Rahimtoola House, Homji Street, Fort, Bombay.

JASDENVALA, A. A., J.P. and Hony. Magistrate. b. June 24, 1899; *Educ.*: Bharda New High School and St. Xavier's Coll., Bombay. Partner, Adamji Lookmanji & Co.; Managing Director, Alco Insurance Co. Ltd.; Director of several other joint stock concerns; President, Islam Gymkhana, Bombay; Vice-Pres., Bombay Cricket Assn.; Chairman, Safety First Association of India, New Consolidated Construction Co. Ltd.; Sheriff of Bombay for the year 1946. *Clubs*: Willingdon, Radio, Cricket Club of India, Orient Club. *Address*: Rahimtoola House, Homji Street, Fort, Bombay.

JATHAR, Ganesh Bhaskar, Natural Science Tripos (Cambridge), History Tripos (Cambridge), M.A. (Econ.) (Edin.). Principal, K. E. Board's Arts and Science College, Dharwar, b. July 10, 1887, s. of Rao Bahadur B. Y. Jathar and Annapurnabai Jathar; m. Manulal Bhate; one s.; *Educ.*: Deccan College, Poona; Cambridge (England); Edinburgh (Scotland). Revenue Department, Baroda State, 1911-14; Department of Education, Bombay State, 1917-42; Indian Educational Service, 1920-42; Principal, Elphinstone College, 1937-42; Khalsa Coll., Bombay, June 1942-Nov. 1945; Head of Commerce Dept., Andhra Univ., Waltair, 1947-48; member, Maharashtra Univ. Ctee.; Chairman, Music Education Ctee., Bombay. *Publications*: *Indian Economics* (2 vols., in collaboration with the late Professor S. G. Heri, etc.), etc. *Recreations*: Music; Books. *Club*: Cricket Club of India, Bombay. *Address*: "Chandrasadan", Station Road, Dharwar.

JAWHAR, Ft.-Lt. His Highness Maharaj Shrimant Yeswantrao Patangshah Vikramshah, M.P., the Ruler of the former State of. b. December 11, 1917; m. Shriwant



Priyamwade Raje, sister of the Rajasahib of Jath, May 1938; Heir-Apparent, Shrimant Yuvaraj Maharaj Digvijayasinhrao, born on Jan. 5, 1940; two d. Maharajkumari Asharaje and Maharajkumari Premaraje. *Educ.*: Rajkumar College, Rajkot; Blondell's Old Public School, England; received some administrative training in England; had further practical administrative training in India under the Collector of Nasik. Ascended the gadi and was invested with full ruling powers, January 16, 1938; is entitled to a permanent salute of 9 guns; his State merged with Bombay State, June 10, 1948; was elected to the House of the People on Congress ticket for the seat reserved for Scheduled Tribes from Thana-Kolaba Constituency in the by-election. *Recreations*: Shooting, Riding, Tennis and Motoring. *Address*: Jalwila Palace, Jawhar.

JAYAKAR, The Rt. Hon'ble Dr. Mukund Narayana, M.A., LL.D., D.C.L., P.C. Honorary Vice-Chancellor, Poona University, since April 1948.

Educ.: Bombay University. Practised as a Barrister in Bombay High Court; took to public life, 1916; elected to Bombay Legis. Council in 1923 and was Leader of the Swaraj Party in Bombay Council and Leader of the Opposition until his resignation after the meeting of the Congress, 1926; entered Legislative Assembly as a representative of Bombay City in 1926, continued a member thereof till 1930; Dy. Leader of the Nationalist Party there from 1927 to 1930 March; leader of the Opposition in 1930 Simla Session; was a delegate to the Indian Round Table Conference in London and member of Federal Structure Ctee.; member, Indian Delegation Co-operating with the Joint Parliamentary Ctee. on the White Paper, appointed Judge of the Federal Court, India, from October 1937; appointed member of the Judicial Ctee. of the Privy Council, January 1939; resigned in March 1942; Member, Constituent Assembly; resigned from the Constituent Assembly early in 1947. *Publications*: Edited a book on Vedanta Philosophy in 1924. *Address*: Winter Road, Malabar Hill, Bombay.

JEDHE, Keshavrao Marutirao, Publicist. b. 1886, s. of Marutirao Babaji and Rahibai Jedhe; m. Smt. Venutal Shitole, 1920, five s. and one d.; *Educ.*: Ferguson Coll., Poona. Worked with Satya Shodhak Samaj; Secy., Non-Brahmin Party, 1930, joined Civil Disobedience Movement, 1930, jailed, 1930-32; elected to Central Legislative Assembly, 1935-41; Pres., Maharashtra Provincial Congress, 1938 and 1940-48; member, Constituent Assembly, 1948-51; also of provisional Parliament; Founder, Peasants and Workers' Party, 1948. *Publications*: Some stray poems. *Address*: Jedhe Mansions, 907, Shukarwar Peth, Poona 2

JEHANGIR, Sir Cowasji (Bart.), M.A. (Cantab.), G.B.E. (1944), K.C.I.E. (1927), C.I.E. (1920), O.B.E. (1918), M.L.A. b. Feb. 16, 1879; m. Hirabai, Kaiser-i-Hind (Gold Medal), with Bar, M.B.E.; one s. and one d., *Educ.*: St. Xavier's Coll., Bombay, and St. John's Coll., Cambridge. Member, Bombay Corporation, 1904-21, Chairman, Standing Ctee., 1914-15, Pres., Bombay Municipal Corporation, 1919-20; Hon. Secy., War Loan Ctee., 1917-18, member of the Legislative Council; member, Executive Council, Govt. of Bombay, 1921-22 and 1923-28; elected member, Legislative Assembly for the City of Bombay, 1920-47; delegate to the R. T. Cs, 1930, 1931, 1932; delegate, London Monetary and Economic Conference, 1933, delegate, Empire Parliamentary Conference, London, 1935, representing the Central Legislature; Pres., National Liberal Federation of India, 1936; one of India's representatives at the Coronation, London, 1937; Chairman, Bank of India, Ltd., and a Director of the Tata Iron & Steel Co., Ltd., The Oriental Life Assurance Co., Ltd., Tata Chemicals Ltd., Tata Locomotive & Engineering Co. Ltd., The Bombay-Burmah Trading Corporation Ltd., and several other companies; succeeded to the Baronetcy on July 20, 1934. *Clubs*: Marlborough and St. James', London; Asian, Ripon, Orient, Willingdon, Bombay. *Address*: Ready money House, Malabar Hill, Bombay.

JENKINS, Owain Trevor, B.A. (Oxon), Director, Balmer Lawrie & Co. Ltd., since 1946. b. Feb. 20, 1907, 5th s. of Sir John Lewis Jenkins, K.C.S.I., I.C.S.; m. Sybil Leonie, 2nd d. of Major-General Herbert, Indian Army, 1940; *Educ.*: Charterhouse School and Balliol Coll., Oxford. Balmer Lawrie & Co. Ltd., 1929; Indian Army, 1940-43; Directorate-General of Munitions Production, 1944; rejoined Balmer Lawrie & Co. Ltd., 1944. *Clubs*: Bengal Club, Calcutta, Royal Bombay Yacht Club, Bombay; Oriental Club, London. *Address*: C/o Balmer Lawrie & Co. Ltd., 21, Netaji Subhas Road, Calcutta.

JENKINS, William, Director, W. H. Brady & Co. Ltd. b. July, 25, 1904, m. May, d. of Wm Watson, Otago, New Zealand, 1942; *Educ.*: Whitehouse School, N. Ireland. Joined the Insurance Deptt. of W. H. Brady & Co. Ltd., Bombay, Feb. 3, 1930; appointed a Director of the Company, 1940, Director of the several Companies in the Brady Group; formerly J. P. and Hon. Presidency Magistrate, Vice-Pres., Rotary Club of Bombay, 1951, its Pres., 1952; Vice-Pres., The Deccan Sugar Factories Assoc., 1948; its Pres., 1949, Vice-Pres. again, 1952; member (Ctee. of Bombay Chamber of Commerce Recreations: Golf, Tennis. *Clubs*: Royal Bombay Yacht, Willingdon, East India and Sports, London. *Address*: The Bombay Club, Bombay.



JERATH, Harbans Lal, B.A., M.S.P., F.R.Econ. S. (Lond.), Dip F. (Lond.), Director-General, Posts and Telegraphs, since Aug. 1953. b. July 29, 1899, s. of Rup Chand Jerath, B.A., Advocate, Hoshiarpur, m. d. of Rai Bahadur J. Sabharwal; two s. and three d.; *Educ.*: Government College, Lahore. Joined the Indian Postal Service as Probationer, Dec. 1919; Asstt. Postmaster-General, Bombay and U.P. Circles; Asstt. Deputy Director-General, 1937-41; Dy. Postmaster-General, Bihar, 1942, Director, Posts and Telegraphs in Charge of Sind, Baluchistan and Persian Gulf Circle, 1943-47; posted as Dy. Director-General, Postal Services, March 1947; was placed on the P. & T. Partition Ctee.; was officiating Director-General in April 1951; Deputed as a delegate from India to attend the Universal Postal Union and International Air Transport Assoc. Contact Ctee. meeting held in U.K., Sept. 1951; represented India on the Executive & Liaison Commission meetings at Berne, Switzerland, Jan. 1952. *Club*: Imperial Delhi Gymkhana. *Address*: 15, Tughlak Road, New Delhi.

JHA, Prof. Amaranath, M.A., D.Litt. (Hon.), LL.D. (Hon.), F.R.S.L., Hony. Lt.-Col., Chairman, Public Service Commission, Bihar, since April 1953. b. Feb. 25, 1897; m. Satyabhama Devi (d. 1938); *Educ.*: Govt. High School and Muir College, Allahabad. Prof. of English, Muir Coll., 1917; Univ. Prof. of English, 1930; Senior Vice-Chairman, Allahabad Municipality, 1922; President, All-India Educational Conference, 1941; addressed Conventions at Patna, Allahabad, Agra, Mysore, Santiniketan, Punjab, Baroda and Bombay; President, First All-India Conference of English Teachers, 1940; Member of League of Nations Ctee. on the Training of Youth, 1934; President, All-India Hindi Sahitya Sammelan and the All-India Adult Education Association; Member, Indian Delegation to U.N.E.S.C.O., 1945, Formerly Vice-Chancellor, Allahabad Univ. and Benares Hindu Univ., Chairman, U.P. Public Service Commn., 1947-53. *Publications*: *Selections from Lord Morley* (Macmillans, 1920), *Selected Essays of Frederic Harrison*; *Hamlet* (1926); *Merchant of Venice* (1930); *Literary Studies* (1930); *Shakespearean Comedy* (1931); *Rebuts of Gold*; *Occasional Essays and Addresses* (1940); *Vichar-dhara* (1948); *Sargun Naidu* (1950) *Address*: 1, King George Avenue, Patna

JHA, Shola Nath, M.A., C.I.E. (1946), Secretary, Ministry of Communications, Govt. of India, since March 1953. b. Feb. 1902, s. of R. N. Jha; m. Mrs. Kamala Jha; one s. and one d.; *Educ.*: Muir Central Coll. and the Univ. of Allahabad Passed I.C.S., 1924; I.C.S. probationer at Exeter Coll., Oxford, 1924-26; Assistant, Joint, and District Magistrate in U.P. Districts, 1926-36, Secy., U.P. Board of Revenue,

1937-38; served as Deputy Secy., Agriculture, Industries and Revenue Secy. and Development Commissioner, U.P. Govt., 1939-March 1947; Chief Secy., March 1947-June 1949; Senior Adviser, Rajasthan, 1949-51; Chief Secy., U.P., 1951-53. *Recreations*: Tennis; Hockey; Football; Riding. *Address*: Secretary, Ministry of Communications, New Delhi.

JHA, Lakshmi Kant, B.A. (Cantab.), I.C.S., M.B.E. (1946), Joint Secretary, Ministry of Commerce and Industry, Govt. of India. *b.* November 22, 1913, *s.* of S. K. Jha and Mrs. S. K. Jha; *m.* Mekhala Acharya, *d.* of Dr. K. Acharya, I.E.S.; one *s.* and two *d.*; *Educ.*: Hindu Univ., Benares and Trinity College, Cambridge. Under-Secy., Govt. of Bihar, Local Self Govt. Dept.; Deputy Secy., Govt. of India, Supply Dept.; Deputy Secy., Govt. of India, Commerce Dept.; Adviser to Indian Delegations to United Nations Transport and Communications Commission and Economic and Social Council; Delegate, United Nations Maritime Conference; Leader, Indian Trade Delegation to Germany, Czechoslovakia and France. Delegate, Economic Commission for Asia and Far East, Sixth Session, Bangkok, and Seventh Session, Lahore; Chief Controller of Imports and Exports. *Publication*: *India's Foreign Trade*, Part I & II. *Clubs*: Delhi Gymkhana and Calcutta Club. *Address*: 36, Aurangzeb Road, New Delhi.

JHAVERI, Krishnalal Mohanlal, Diwan Bahadur (1929), M.A., LL.B., J.P. *b.* December 1868; *m.* 1886; *Educ.*: Surat, Broach, Bhavnagar, Bombay; B.A. (First Class Honours, English and Persian), 1888; Gauri Shankar Gold Medalist; Porry Prizeman of Jurisprudence; Dakshina Fellow, Elphinstone College, Bombay. Lectured on Persian, Advocate, Appellate Side, Bombay High Court (1893-1905); Judge, Court of Small Causes, Bombay (1905); Syndic and Member of Academic Council; Dean, Faculty of



Law; Chairman, Board of Studies in Gujarati, Hindi and Persian and Library Ctee., University of Bombay; Chancellor, S.N.D.T. Indian Women's Univ., 1918-51; Vice-Chancellor (1951); knows Gujarati, Marathi, Hindi, Bengali, Urdu, English and Persian languages; has travelled extensively; connected with about fifty-seven Public, Social and Educational Institutions and Charitable Trusts in Bombay and outside; was for sometime Officiating Judge, Bombay High Court; retired as Chief Judge, Court of Small Causes, Bombay, 1928; Judicial Adviser and Chief Justice, Palampur State, 1929-48. *Address*: Pitale Mansion, Kandewadi, Girgaon Post, Bombay 4.

JOHNSON, George Arthur, B.A. (Oxon.), Editor, *The Statesman*, *b.* Oct. 31, 1903, *s.* of Arthur and Elizabeth Johnson; *m.* Marie Constance Ross-Hurst, 1931; *Educ.*: Christ's Hospital; B.A. from St. Edmund Hall, Oxford. *Clubs*: Bengal; Oriental. *Address*: C/o The Statesman Ltd., Calcutta and New Delhi.

JOLLY, Brij Mohan, B.Com. (Lond.), Bar-at-Law, Deputy Secretary, Indian Red Cross Society and St. John Ambulance Assoc. (India). *b.* March 1, 1908, Badshahan, Dist. Jehlam, Punjab, *d.* *s.* of Rai Mool Raj Jolly, Business man, Rawalpindi, Lahore, Sri Nagar, etc.; *m.* Smt. Vimla Suri, *d.* of late Jai Gopal Suri, M.B.E., Audit and Accounts Service, Govt. of India; *Educ.*: London School of Economics and Lincoln's Inn, London. Practised at the Punjab High Court, 1929-30; associated with an import-export concern in London, 1930-38; Political Secy. and Chief Minister, Banda State, 1939-41; actively connected with the Indian Red Cross Society, since 1942; represented Indian Red Cross at

the Mid-century White House Conference on children and youth in Washington, and the U.N. Youth Welfare Seminar for S.E. Asia in Simla; has travelled extensively in Europe and America, 1942-43; Founder Joint Secy., United Council for Relief and Welfare; Pres., Indian Red Cross Employees' Co-operative; awarded Kaiser-i-Hind Medal and the Venerable Order of the Hospital of St. John of Jerusalem as Associate Officer, 1948; elected Fellow, Royal Economic Society, 1924. *Hobbies*: Art, literature and riding. *Club*: Delhi Gymkhana. *Address*: Red Cross Road, New Delhi.

JONES, Arthur Stanley, B.A., Methodist Minister, *b.* Dec. 7, 1912, *s.* of Henry Albert and Florence Emily Jones; *m.* Alison Navison Forsyth; one *s.* and one *d.*; *Educ.*: Wolverhampton Grammar School and Handsworth Coll., Birmingham; took B.A., 1937. Has been working as Missionary in India since Oct. 1937; has been Missionary Ctee. Representative since Nov. 1951. *Address*: 16, Sodder Street, Calcutta 16.

JONES, Wilson Lionel Carton, Billiards Player; Salesman, Alsales Ltd., Bombay, since 1950. *b.* May 2, 1922, *s.* of J. Dias of Poona; *m.* Margaret Hildreth Wade, Bombay; one *s.* Geoffrey Wilson; *Educ.*: Bishop's High School and St. Vincent's High School, Poona. Munition Factory, Kirkee, 1939-46; Mazagon Docks, Bombay, 1947-50; National Billiards Champion of India, 1950-52; National Snooker Champion of India, 1948 & 52. Indian Representative for Billiards and Snooker World Championship, 1951-52. *Clubs*: Vissani Sports Club; Islam Gymkhana; Cricket Club of India. *Address*: C/o Mrs O. Wade, 10, Motibai Street, Jacob Circle, Bombay.

JOSHI, Maganlal Bhagwanji, Speaker, Saurashtra Leg. Assembly, since 1952, High Court Pleader, Bombay. *b.* April 20, 1899 (Jam Jodhpur), *s.* of late Bhagwanji S. Joshi. *m.* Smt. Mangala Joshi, *d.* of Gaurshanker L. Shukla of Gondal, *s.* of Prasnankumar, Prabodh Chandra, LL.B., Chandra Vadan, B.Com., Kireetchandra, M.A., Harisiddhikumar; *Educ.*: Jumnagar, passed matriculation 1918, High Court Vakil's exam. (Bom.), 1926. Practised as Advocate in Jumnagar, for 25 years, left practice, 1951; joined Congress, 1939, Secy., Jumnagar Prajamandal, Pres., 1947; Pres., Halar Dt. Congress Ctee 1918-51; elected uncontested from Khamhalu-Kalyanpur Constituency, 1948; elected M.L.A. from Jumnagar Taluka Constituency, 1952. *Address*: Jumnagar and Rajkot.

JOSHI, Sir M. V., B.A., LL.B., K.C.I.E. (1926), Kt. (1923). *b.* 1861; *m.* Smt. Abhyankar, Satara; two *s.* and four *d.*; *Educ.*: Deccan Coll., Poona; Elphinstone Coll., Bombay. Advocate, Judicial Commr.'s Court, Berar, and High Court, Nagpur, 1884-1920; member, Madhya Pradesh Assembly; Home member, M.P. Govt., 1920-25; Chairman, All-India Liberal Federation, Calcutta, 1925; Chairman, Age of Consent Ctee, 1928-29, retired from legal profession, 1933; Administrator, Sangli State, 1930; Leader, National War Front, Madhya Pradesh in Second World War; Hon LL.D. of Nagpur Univ., 1942. *Recreation*: Walking. *Address*: Amraoti, Berar.

JOSHI, Narayan Malhar, B.A. *b.* June 1879; *Educ.*: Poona New English School and Deccan Coll. Taught in private schools and Govt. High Schools for 8 years. Joined Servants of India Society, 1909 and retired on pension in 1940; Secy., Bombay Social Service League 1911-53; now Vice-Pres. Secy. Bombay Pres. Social Reform Assoc., 1917-29 and Pres., since 1947; Secy., W. India Nat. Liberal Assoc., 1919-29; Gen. Secy., All India Trade Union Congress, 1925-29 and again from 1940-48; Dy. Member of the Governing Body of the I.L.O. from 1922-24 and member

from 1934-44 and from 1940-48; Kaiser-i-Hind Silver Medal (1919); Member, Bombay Municipal Corpn., 1919-23; Member, Legislative Assembly nominated to represent labour interests, 1921-47; Member, Royal Commission on Indian Labour as Labour representative; attended Round Table Conference, 1930-31 and 1932. Attended the meetings of the Jt. Parliamentary Committee as Indian delegate; Member, National Planning Committee and Chairman of its Labour Subcommittee; President, Bombay Civil Liberties Union, since 1938; member, Central Pay Commission, 1947. *Address*: Model House, A/4, Proctor Road, Girgaum, Bombay 7.

JOSHI, Pt. Narottam Lal, Speaker, Rajasthan Legislative Assembly, since March 1952. *b.* Dec. 10, 1914, *s.* of Pandit Kanhiyalal Joshi; *m.*; three *s.* and one *d.*; *Educ.*: Graduated from Maharajah's Coll., Jaipur; took M.A. & LL.B. degrees from the Benares Hindu Univ., 1936-37. A leading practitioner and Pres., Jhunjhuni Bar, Rajasthan; one of the promoters of the Jaipur Prajamandal under the leadership of Seth Jammalal Bazaz; sponsored Customs agitation and the agrarian agitation in the Jagirdari area of former Jaipur State; took prominent part in the civil liberties movement in Jaipur State, 1938-39; arrested by Jaipur Govt. in the Chanaana Case, 1945; was member, Jaipur Prajamandal Working Ctee. for many years; was Pres and Secy., Dist. Prajamandal and Congress Ctee. for a long time; member, Rajasthan P. C. C., since its inception; Law and Election Minister, Rajasthan, 1951; unanimously elected Speaker, Rajasthan Leg. Assembly, 1952. *Address*: Joshi Sadan, Jhunjhuni (Rajasthan).



JOSHI, Pandurang Narayan, B.A. (Hons.), M.Sc. Tech. (Manchester), F.R.I.C., Principal and Secretary, Victoria Jubilee Technical Institute, Bombay. *b.* Nov. 10, 1902,



s. of Narayan Keshav and Mrs. Laxmibai Joshi of Kolhara; *m.* Indumati; three *s.*; *Educ.*: Wilson College, Bombay; College of Technology, Manchester; received practical training at Scottish Dyestuffs Ltd., Grangemouth, British Dyestuffs Corporation, Blackley and I. G. Farbenindustrie, Frankfurt-on-Main. Head of dyeing, yarn bleaching and mercerising Depts., Madhoojee Dharamsi Mills, 1930-33; Head of Technical and Applied Chemistry Dept., V.J.T. Institute, Matunga, Bombay since 1933; Principal since 1940; member, Univ. Senate since 1943; Dean, Faculty of Technology, 1948; member, All-India Council of Technical Education, 1946-52; Vice-Pres., Assoc. of Principals of Technical Institutions since 1947; appointed by Government of Bombay, Chairman of Industrial and Technical Secondary Education Ctee., 1947. *Publications*: Papers on Technical Education; has taken two patents. *Recreations*: Tennis, Golf. *Clubs*: Willingdon Sports Club; The Bombay Presidency Golf Club. *Address*: V.J.T. Institute Bungalow, Matunga, Bombay.

JOSHI, Shridhar Sarvottam, M.Sc. (Banaras), D.Sc. (London), F.R.I.C., F.N.I., F.A.Sc., University Professor of Chemistry, Head of Chem. Dept. and Principal, College of Science, Banaras Hindu University. *b.* Oct. 16, 1898; *m.* Sontara Chiplonkar; one *s.* and one *d.*; *Educ.*: Banaras and London. President, Chemistry Section, Indian Science Congress, 1948; has contributed original work in Colloids,

Electro-Chemistry, Active Nitrogen and discovered a new effect of light, known as *Joishi's Effect*. *Publications*: Over 150 papers. *Recreation*: Cricket. *Address*: Banaras Hindu University.

JOSHI, Umashankar Jethalal, M.A., Author, Editor, *Sanskriti* (Culture), Gujarati monthly, b. July 21, 1911, s. of late Jethalal Kamalji and Smt. Navalbai; m. Smt. Jyotsna B.A.; two d., Nandini and Svati; *Educ.*: Damna; Idar High School; Gujarat Coll., Elphinstone Coll., M.A. First Class Teacher, 2 years; Lecturer one year; Post-graduate Teacher, Research Institute, Gujarat Vidyasabha, Ahmedabad (1939-40); Honorary Prof. at Gujarat Vidyasabha, since 1947; member: Senate, the M.S. Univ. of Baroda; Board of Studies, the M.S. Univ. of Baroda and the Gujarat Univ.; visited China, Indonesia, Malaya and Ceylon, 1952. *Publications*: Poetry: *Vishva Shanti*; *Gangotri*; *Nishreeth*; *Gul-e-Poland*; *Prachina*; *Aithya*; One Act Plays: *Sapna Bhara*; *Shahed*; Short Stories: *Shraani Melo*; *Tran Ardhan Be*; *Antaryaya*; Novel: *Purkan Janyan*; Essays: *Goshthi*; Criticism: *Sama-Samadhan*; *Akko a Study*; Research: *Gujarat in the Puranas*; Translation: *Uttar Rama Charita of Bhavabhuti*. *Address*: Sanskriti, Ahmedabad 6.

JOSHI, Prof. Vinayak Mahadeo, M.A. (Oxon.), Master of English Deptt., S.S.P. Military School, Poona, b. 1903 at Poona; m. Smt. Sushila Sathe (deceased), d. of T. A. Sathe, Judge, Gwalior, 1928; four children: *Educ.*: Poona, Bombay and Oxford. Has worked in different walks of life, e.g. education, insurance, cinema and publicity; has deeply studied religion and philosophy; has quantified all Sanskrit metres into English and composed a basic English Dictionary of Synonyms in jambic blank verse. *Publications*: *India's Education*; *Handbook of Economics and Crisis*; *India's Ancient Culture*. *Recreation*: Sports. *Address*: 324/3, Sadashiv Peth, Poona 2.

JUNNARKAR, Shripatrao Balvantrao, B.A. (1st Class Hons.) (Bom.), B.Sc. (1st Class Hons.) (Engg.) (London), M.B.E. (1944), Principal, Birla Vishvakarma Mahavidyalaya, Vallabh Vidyanagar, Anand, b. Oct. 29, 1895, s. of Balvantrao Ramchandra Junnarkar; m. Gulabai Vinayak Dharkar; one s. and two d.; *Educ.*: Elphinstone College, Bombay; King's College, London. Apprentice Engineer, Backbay Reclamation Scheme, Bombay; Assistant Engineer, Karachi Port Trust; Principal, N.E.D. Engineering College, Karachi. *Publication*: *Mechanics of Structures*. *Address*: Vallabh Vidyanagar, Anand.

KABIR, Humayan, M.A. (Cal.), M.A. (Oxon.), Univ. Gold Medals, Prizes, etc. (1926 & 1928), State Scholar (1927), Exeter College Foundation Prize (1931), Secretary and Educational Adviser to the Govt. of India, Ministry of Education, since Jan. 1952, b. Feb. 22, 1906, s. of Khan Bahadur Kabir-ud-Din Ahmed, Bengal (Civil Service (Retd.)), m. Mrs. Shanti Kabir; one s. and one d.; *Educ.*: Calcutta and Oxford. Has taught at the Univs. of Calcutta and Andhra; was Secy., Oxford Union Society; prominently associated with the Students' Movement, the Peasant Movement and Trade Union activities; Leader, Peasants Party, Bengal Leg. Council; First Pres., All-India Students Congress; Assessor to the Adjudicator in All-India Railway Dispute (1946); member, Indian Railway Enquiry Cttee. (1947); Dy. Leader, Indian Delegation at the 3rd General Conference of UNESCO, 1948; nominated by Govt. of India as Vice-Pres., Indian Council of Cultural Relations, 1953. *Publications*: *Swarna-Sadh* (in Bengali); *Poems* (Basil Blackwell), *Kant on Philosophy in General*; *Immanuel Kant* (in Bengali); *Dharababik* (in Bengali); *Poetry, Monads and Society*; *Sarat Chandra Chatterjee*; *Muslim Politics*, 1906-42; *Mahatma and other Poems*; *Banglar Kavya*

(in Bengali); *Men and Rivers*; *Our Heritage*; *Three Stories*, *Of Cabbages & Kings*; *Marwad*, 1948; *Nadi-O-Naree*, 1950, etc. (Several works translated into European languages). *Address*: Ministry of Education, Govt. of India, New Delhi.

KACHEHWALA, Anand Singh, b. Bhadrabad Krishna 30, Samvat 1917V, 3rd s. of late Jamnadas Pokeri, Contractor and Arya Samajist Leader, Jodhpur; m. Janki Devi, d. of Raja Ram Ji, Contractor, Marwar Mathania, May 28, 1934; two s., Yaswant Singh and Mahendra Singh and one d., Kumari Vijay Laxmi; Active Partner, Gotan Lime-Syndicate, Gotan, Rajasthan; Managing Director: Anand Theatres Ltd., Jodhpur; Shree Sumer High School, Jodhpur; Sarpanch Mandore Village Panchayat; member, Red Cross Society, Jodhpur; member: Rajasthan Minerals and Industrial Advisory Board; National Geographic Society of U.S.A.; Discussion Group of the Motion Picture Society of India, Bombay; Rotary Club; Pres., Arya Samaj, Jodhpur. *Address*: 20/3, Fort Road, Jodhpur, Office: Anand Theatres Limited, Jodhpur.



KACHEHWALA, Narsinha, Deputy Minister for Home and General Administration, Rajasthan, b. Ashwin Shukla 2, Samvat 1908V, at Jodhpur, 2nd s. of late Jamnadas Pokeri, Arya Samaj Leader, Contractor and business magnate of Marwar; m. Smt. Devi, d. of Bherulal Gehlot, July 1, 1938; six s., Jyoti Swaroop, Nand Kishor, Arisudan, Vikram Shyam and Zabar, and three d., Nirmala, Vimla and Baby; *Educ.*: D. A. V. High School, Ajmer (1928-31); Govt. Coll., Ajmer (1931-34); Jaswant Coll., Jodhpur (1934-37).

Pres., Sainik Kshatriya Girls' School, Mandore (1938-40); General Secy., Marwar Kishan Sabha, for four years; Pres. for two years; member, Jodhpur Assembly, 1945-46; Liaison Officer, Jodhpur Govt. for procuring Food Grains, 1946; member, Marwar Jawai Project Scheme Cttee., Chahman, Anand Theatres Ltd.; Organiser of Kisans, convened and presided over a representative Kisan Conference in Marwar, March 15, 1948, a staunch supporter of Congress principles, interested in the uplift of Kisan, Labour and of the Scheduled Classes; Member Rajasthan State Assembly; Ex-Labour Minister of Rajasthan. *Address*: Behind Nirod Hotel, Jaipur and Bagar, Jodhpur.

KACHEHWALA, Santosh Singh, M.L.A. (Rajasthan), Proprietor, J. Santosh & Sons, Mechanical, Civil, Marine, Electrical, Radio, Cine and Air Conditioning Engineers and Contractors, b. 1908, s. of late Jamnadasji, Contractor and a pioneer industrialist of Marwar; m. two s. and six d.; *Educ.*: Durbar High School and Hewett Engineering Coll., Lucknow. Sometime Pres., All India Sainik Kshatriya Mahasabha, Jodhpur; responsible for the construction of Gulabnagar canal, Balsamand, Jaswantnagar and Chowpani bunds and various other elaborate structures; is a social worker and a staunch Arya Samajist; takes keen interest in children's education, modern agricultural farming, village uplift and welfare of



backward classes; is a strong supporter of female education; was returned to the Rajasthan State Assembly from Bilara constituency in the general elections as an independent; is an active member of the Sanyukta Dal of the Rajasthan State Assembly. *Publications*: *The Sainik Rajputs* (a short historical survey). *Address*: Sojato Gate, Jodhpur (Rajasthan).

KADAM (Katarnikar), Dr. Baburao Shankarrao, B.Sc. (Iowa), M.Sc., Ph.D. (Cornell), Director, Tobacco Research, b. October 25, 1903, at Dhannagar, Saurashtra, s. of S. V. Kadam Katarnikar; m. Maltibai (née Moray); three d. and two s.; *Educ.*: Lashkar, Gwalior, Iowa State College and Cornell University, U.S.A. Crop Botanist to the Govt. of Bombay (1930-42). Deputy Director of Agriculture (Crop Research) (1942-44). Asstt. Agricultural Commissioner with the Govt. of India (1944-45); on deputation to America, Canada and England (1946). Member of the Society of Sigma Xi, Cornell Chapter, 1940; Life Member, Indian Society of Genetics & Plant Breeding (1941); Fellow, Indian Academy of Sciences (1943); Fellow, National Institute of Sciences (1946); Fellow, Botanical Society of India (1946); one of the leading geneticists in the country; was largely responsible for the development of plant breeding work on modern lines in Bombay State. *Publications*: About 70 papers on genetical and agronomic aspects of various cereals and tobacco. *Address*: Danavapet, Rajahmundry, East Godavari.

KAIKINI, P. R., M.A., B.T., Poet, journalist and critic, b. February 15, 1912, s. of Ramnar and Shantabai Kalkini; m. Smt. Sita, M.A., d. of late Jeeppu Ganesh Rao, 1952. *Educ.*: St. Xavier's College, Bombay. Commenced writing verse while still at school; criticises east and west of Suez are inclined to accord him an important place among contemporary Indian poets, member, English Association, London; the motif of his work is love of India; is fond of outdoor life, sports, drama, films, walking; entered Bombay Civil Service under Congress Government. *Publications*: Nine volumes of poetry. *Hobbies*: Philately, photography, printing, publicity. *Recreations*: Music, walking, volleyball. *Address*: "Krishna Kunj", 10th Road, Khar, Bombay 21.



KAJI, Ashok Hiralal, M.Sc., J.P. and Hon. Presidency Magistrate, Managing Director, Vasant Insurance Company, Ltd., Bombay, since Oct. 1941. Pres., Bombay Provincial Co-operative Marketing Society Ltd., Bombay, Pres., Vasant Purnima Co-operative Housing Society Ltd., Bombay; Hon. Secy., New India Co-operative Housing Society Ltd., Bombay; Member: Rly. users' Consultative Cttee., Western Rly., Bombay, Executive Cttee., Indian Co-operative Union; State Co-operative Council; State Fruit and Vegetable Cttee.; Insurance and Finance Sub-Cttee. of the Indian Merchants' Chamber, Ex. Cttee., Shree Lad Caste and Yuva Sammelan; Director, Bombay Provincial Co-operative Bank Ltd., b. Sept. 23, 1918; m. Jayavati R. Popawala, B.A. (Hons.); *Educ.*: Royal Institute of Science, Bombay; graduated with First Class Honours with Distinction; Scholar and Dakshina Fellow (1938-41). Interested in Co-operative Movements and cultural movements. *Clubs*: W.I. A.A.; National Sports Club. *Address*: Vasant Mahal, Netaji Subhas Road, Bombay 1.



KAJROLKER, Narayan Sadoba, M.P., Bombay; Vice-President, Butter Manufacturers' Association. *b.* 9th July 1896, *s.* of late Subedar S. S. Kajrolker of 108th Maharashtra Light Infantry; *m.* Smt. Luxmibai; four *s.* and three *d.*; *Educ.*: S. P. G. Mission Society, Dapoli, Ratnagiri Dist. Is keenly interested in the uplift of the Depressed Classes and Backward Classes in general; General Secretary and Trustee, the Depressed Classes Mission Society of India; member, Harijan Sevak Sangh, Central Board, Delhi;



Pres., Provincial Board of Bombay, Member, Govt. of India Backward Classes Commission; Pres. and Trustee, Rohidas (Chambhar) Samaj and Temple; President: Kajrolker Housing Society, Ghatkopar; President, Charkmakar Producers' Co-operative Society; Rohidas Education Society & Rohidas (Harijan) Housing Society, Khar; Harijan leader and public worker; President, Bharatiya Depressed Classes League. *Address*: 112, Meadows Street, Fort, Bombay; 8-C, North Avenue, New Delhi.

KALE, Gopal Narhar, B.A. (Hons), Ex-Minister for Food, Madhya Pradesh. *b.* Feb. 23, 1896, at Vijapur in a Maharashtra Brahmin family; *m.* late Shrimati Shantabai Kale, one *s.* (adopted aboriginal boy), Dineshwar; *Educ.*: Baroda Coll.; did not appear for Final LL.B. Exam. on account of the Non-Co-operation Movement. Joined Sabarmati Ashram, 1921; subsequently came to Wardha Ashram wherefrom edited Marathi Weekly *Maharashtra Dharma*; did village work till 1935; took active part in Congress work; became member, Provincial Congress Ctee., Nagpur and A.I.C.C.; was Vice-Pres., P.C.C., Nagpur, for many years; also acted as President many a time; courted jail five times offering individual Satyagraha, 1930, '32, '40 and '41-'42; after release from jail edited *Harijan* in Marathi for three years; M.L.A., Nagpur, 1945. *Publications*: Articles in Marathi *Harijan* and elsewhere. *Address*: Gopuri, P. Nalwadi, Wardha (M.P.).

KALELKAR, Acharya Kakasab, B.A. (Bombay), M.P. (Council of States), Director, Gandhi Memorial Museum. *b.* Dec. 1, 1885, *s.* of Balkrishna J. Kalelkar and Mrs. Radhabai Kalelkar; *m.* Smt. Lakshmbai, *d.* of Vamanrao Shirodkar; two *s.*, Prof. Satish D. Kalelkar and Dr. Bal D. Kalelkar; *Educ.*: Fergusson Coll., Poona. Journalist; Vice-Chancellor and Principal, Gujarat Vidyapith; Editor, Mahatma Gandhi's Weeklies and Magazines; worked for the spread of Hindi throughout India; Pres., Hindustani Talimi Sangh (Basic Education), Hindustani Prachar Sabha; Chairman, Backward Classes Commn. appointed by the President of India; one of the Vice-Presidents, Council of Cultural Relations, New Delhi. *Publications*: Author of about 30 books in Gujarati, Marathi and Hindi—some books being translated into English and many Indian languages. At present editing *Mangal Prabhat*—a Hindi Monthly. *Address*: Kakawadi, Wardha (M.P.).

KAMLADEVI, Shrimati, Politician and Social Worker. *b.* 1903, of a Saraswat family of Mangalore; *m.* Harindranath Chatopadhyaya, M.P.; *Educ.*: Passed Senior Cambridge, 1919; Bedford Coll., London and the London School of Economics. Joined Congress and busied herself with constructive work; elected to A.I.C.C., 1927; was Gen. Secy., All-India Women's Educational Conference; later became Organising Secy., All-India Women's Conference; has been mainly responsible for building up the Women's Organisation and giving it a shape; imprisoned in connection with the freedom struggle, 1930, 1942, etc.; has travelled extensively in India, visited Europe thrice and once gone round the World; has on different occasions represented her country at International Women's Conferences

at Geneva, Berlin, Elsinore and Copenhagen; was Pres., All-India Women's Conference; founded the Indian Co-operative Society and set out to rehabilitate the uprooted refugees on a co-operative basis; is a member of the Praja Socialist Party. *Publications*: *In War-torn China*; *Japan: Its Weakness and Strength* and several others. *Address*: C/o National Office, Socialist Party, 6, Tulloch Road, Bombay 1.

KAMARAJ, K., M.P., Chief Minister, Madras, since April 1954. *b.* 1903, *s.* of Kumaraswamy Nadar; *Educ.*: Virudhunagar, Ramnad District, Madras. Entered public life, 1921 during Salt Satyagraha; convicted for two years; elected member, Working Ctee., Tamil Nad Congress, and member, A.I.C.C., 1931; convicted for one year R.I. in 1932 movement; one of the accused in Virudhunagar bomb case, 1934; later acquitted; elected Secy., Tamil Nad Congress Ctee., 1935; elected to Madras Legislative Assembly, 1936 and again in 1946; detained during the Individual Satyagraha Movement, 1941; while in detention was elected Chairman, Virudhunagar Municipality, 1941; again detained in 1942 and released, 1945; elected to the Constituent Assembly of India, 1947; chosen as a member, All-India Congress Working Ctee., 1949; Pres., T.N.C.C., 1939-54; elected Leader, Madras Legislature Congress Party, March 30, 1954. *Address*: Secretariat, Madras.



KAMAT, Venkatrao Vithal, B.A. (Bom.), Ph.D. (Edin.), Head of the Department of Psychology, Institute of Education, Bombay. *b.* August 27, 1888, *s.* of a landlord in North Kanara District, Bombay State; *m.* Ramabai Muzumdar of Ankola, North Kanara; two *s.* and three *d.*; *Educ.*: Hindu High School, Karwar; Wilson College, Bombay; Moray House, University of Edinburgh, Edinburgh. Served for 33 years in the Education Department of the Govt. of Bombay as Assistant Master in High Schools of the Southern Division, as Lecturer in Secondary Training Colleges, Bombay and Belgium, and as Educational Inspector, Southern Division; Principal, Tilak College of Education, Poona, for four years. *Publications*: *Measuring Intelligence of Indian Children (U.O.P.)*; *Recreation*. Outdoor games—principally Tennis, Badminton, Hockey and Cricket. *Clubs*: Mitra Samaj, Dharwar and Deccan Gymkhana, Poona. *Address*: Head of the Department of Psychology, Institute of Education, 11, Horniman Circle, Bombay 1.

KAMATH, Fred Marlon De Mello, B.A. (Bombay), B.Sc. (Econ.) (London), specialised in International Law & Relations, Ex-Consul-General of India, Saigon. *b.* June 1, 1907, at Puttur, South Kanara, *s.* of the late Peter De Mello and the late Stephanie Pinto; *m.* Lena Saldanha; one *s.* and two *d.*; *Educ.*: St. Aloysius' Coll., Mangalore; Karnatak Coll., Dharwar; London School of Economics. Asst. Editor, *The Times of India*, Bombay (1932-33); Lecturer, Sydenham Coll. of Commerce, Bombay (1933-34); Editor, *The Indian Listener*, All India Radio (1938-39); Editor, *Indian Farming*, 1939-44; Asst. Press Adviser to the Govt. of India (1944-45); Information Officer with the High Commissioner for India in Australia (1946-48); Director of Information Services and First Secretary, Embassy of India, Washington, D.C., 1949-49. *Publications*: *Problems of Rural Reconstruction in India* and articles on various journals. *Club*: Sportif Saigonnais. *Address*: C/o External Affairs Ministry, New Delhi.

KAMATH, Hari Vishnu, B.Sc. (Hons.), *b.* July 13, 1907, *s.* of H. Rama Kamath and Anandibai Kamath; *Educ.*: Mangalore upto the intermediate; graduated from Presidency

Coll., Madras, 1928; passed into the I.C.S. in London, 1929. Served in the I.C.S., Dec. 1930 to April 1938; resigned for political reasons; joined Congress, then the National Planning Office, as Secy. and subsequently the Forward Bloc as its General Secy.; was in prison, April 1940 to Sept. 1945, with a short break in 1941; elected member, Constituent Assembly, 1946; member, Nagpur Provincial Congress Ctee.; represented Madhya Pradesh constituency in the Indian Parliament; delegate to the second London Parliamentary Conference on World Govt., 1952, at the invitation of the All Party British Parliamentary Group for World Govt.; elected member, Executive of the Indian Assoc. for World Federal Govt., 1950. *Recreations*: Hiking; Motoring. *Special Interests*: Philosophy; Literature; Yoga. *Club*: Constitution Club, New Delhi. *Address*: Dhantoli, Nagpur, Madhya Pradesh.

KAMESWARANNA, Kuppuswamy, Smt., B.A., General Secretary, All-India Women's Conference. *b.* 1907, at Rajamundry; *Educ.*: Presidency Coll., Madras. Worked in Secunderabad and was in charge of all the Girls' Elementary Schools; resigned and joined the Satyagraha movement, 1930; arrested at Madras and sentenced for six months; was Pres., East Godavari Dist. Congress Ctee.; started a Women's Assoc. and Nursery School in Mysore; member of the Senate, Andhra Univ.; member, Mysore Municipal Council, served as co-opted member, Fundamental Rights Ctee., Mysore Constituent Assembly; Pres., Harijan Sevak Sangh, Mysore City, connected with the A.I.W.C. from 1929; is connected with several organisations. Hon. Secy., Red Cross, Madras State Branch, Hon. Presidency Magistrate, Madras, an ardent social and political worker. *Address*: All-India Women's Conference, Bangalore.

KAMTE, Narayanrao Marutirao, I.P., B.A. (Hons.), M.B.E., 1946, Inspector-General of Police, State of Bombay. *b.* Sept. 11, 1900, at Poona, *m.* Miss Nalk, *d.* of Gopalrao Naik, Advocate (O.S.); three *s.* and one *d.*; *Educ.*: Deccan College, Poona. Indian Police. *Recreation*: Golf. *Clubs*: Cricket Club of India; Willingdon Sports Club; Poona Club. *Address*: "Kamte House", Ganeshkhind, Poona 7.

KANDATHIL, Most Rev. Mar Augustine, D.D., Archbishop, Metropolitan of Ernakulam, was Titular Bishop of Arad and Co-adjutor with right of succession to the first Vicar-Apostolic of Ernakulam, since 1911. *b.* Champ, Valank, Travancore, 25th Aug. 1874; *Educ.*: Papal Seminary, Kandy, Ceylon. Priest, 1901; Parish Priest for sometime; Rector of Prep. Sem., Ernakulam, and Private Sec. to the first Vicar-Apostolic of Ernakulam to end of 1911; consecrated Bishop, December 8, 1911; succeeded Rt. Rev. Dr. A. Pareparambil as Second Vicar-Apostolic, 9th Dec. 1919; installed on 18th Dec. 1919; was made Archbishop, Metropolitan, 21st Dec. 1923 (Sufragans seen being Changanacherry, Trihur, Palai and Kottayam); Installation, 16th Nov. 1924; Assistant at the Pontifical Throne, 3rd Dec. 1936 (Jubilee of the Episcopal Consecration). *Address*: Archbishop's House, Ernakulam.

KANTHI, Shivalingappa Rudappa, B.A., LL.B., Dy. Speaker, Bombay Leg. Assembly. *b.* Dec. 21, 1908; *m.* two *s.*; *Educ.*: Karnatak Coll., Rajaram Coll., Kolhapur; Sykes Law Coll., Kolhapur. Engaged at the Bagalkot Bar, 1935; has been taking active part in the organisations of Harijans, ryots and weavers; elected member, K.P.C.C. and A.I.C.C., 1939; elected Pres., Bijapur Dist. Congress Ctee., 1940-45; organised the "Individual Satyagraha" in the Bijapur Dist., 1940-41; arrested and sentenced to 10 months B.L., 1941; arrested and detained in the 1942 Aug. Movement; after release, was entrusted with the work of distribution of

corn, clothes, etc., among famine-stricken people; after the famine, was an active member of the Peoples' Provincial Food Ctee.; was elected working Pres., Dist. Ryots' Conference, Feb. 1946; Parl. Secy., Govt. of Bombay. Address: Council Hall, Bombay.

KANUNGO, Nityanand, B.A., B.L., M.P. b. May 4, 1900, s. of late B. M. Kanungo and Hemant Kumari; m. Smt. Sallabala Kanungo (nee Mahanty), 1922; four s. and two d.; Educ.: Ravenshaw Coll., Cuttack and Univ. Coll., Calcutta; Minister for Home, Law, Industries and Agriculture, Govt. of Orissa, 1937-52; Secy., All-India Spinners' Association, Local Branch, 1939-42; Pres., All-India Village Industries Association, Orissa, 1946; Chairman, Cotton Textile Enquiry Ctee., 1952, Leader, Indian delegation to International Rice Commission, 1952; member, All-India Handicrafts Board and Sangret Natak Akademi (National Akademi of dance, drama and music); Director, State Co-op. Bank, Orissa; member, A.I.C.C. Recreations: Swimming, Bee-keeping, Sociology, Rural Economy, Agriculture. Address: Bakrabad, Cuttack 2, Orissa.

KAPUR, Mr. Justice Jeevan Lal, B.A. (Pb.), M.A. (Cantab.), LL.B. (Cantab.), Bar-at-Law, Judge, East Punjab High Court, Simla, since June 1949. b. Dec. 13, 1897, s. of Malik Bhagwan Das Kapur and Mrs. Bhagwati Kapur; m. Gnan Wati (nee Mehta) of Newnam College, Cambridge; two s.; Educ.: Cathedral School for Boys, Lahore; Govt. College, Lahore (Pb. Univ.); Magdalene College (Cambridge Univ.); Inner Temple. Called to the Bar, 1922; practised in High Court, Lahore (1922-47); at Simla after partition, 1947; member, Federal Public Service Commission, Delhi, Dec. 1947 to April 1949; took part in Trade Union Movement, 1924-37. Publication: *Law of Adoption in India and Burma*. Recreations: Riding and Swimming. Club: Delhi Gymkhana Club, New Delhi. Address: Armsdell, Simla.

KARAKA, Darasha Cursetji, B.A., B.Sc., Managing Agent: Pickers Ltd. (D. C. Karaka & Co.) and Leather Textiles Ltd. (Karaka & Co.). b. Feb. 28, 1895; m. Jeanie, d. of late Ardeshir Dadabhai, former Public Prosecutor of Central India; one s. and two d.; Educ.: Wilson Coll., Bombay; Gujarat Coll., Ahmedabad.



Demonstrator, Gujarat Coll., Ahmedabad, 1918-20; took to business; was mainly responsible for forming Assoc. of Picker manufacturers; Pres., All India Picker Manufacturers' Assoc.; represented Picker Industry before Tariff Board and obtained protection for the Industry from the Govt.; was instrumental in the enforcement of a ban by Govt. on import of Pickers into India; Chairman, Textile Stores Sub-Ctee. (TDC-6); 3, Indian Standards Institution; played a part in formulating standards for Pickers and Picking Bands; visited England and other Continental countries, 1946 and 1948. Recreations: Sports and Bridge. Clubs: Reform Club, Ahmedabad; Rotary Club of Ahmedabad, Ahmedabad; Ahmedabad Parsi Gymkhana, Ahmedabad; Gujarat Club, Ahmedabad; Willingdon Sports Club, Bombay. Address: Ellis Bridge, Ahmedabad 6.

KARANJIA, Burjor K., B.A. (Hons.), Editor, *Cinevoice* and *Movie Times*. b. Dec. 21, 1919; m. Miss Abad Edulji Allbess, May 1943; one d.; Educ.: Wilson Coll., Bombay. Journalist, writer, critic and a social worker; edited and published "Cinevoice" a popular cine magazine, June 1947 and "Movie Times" a cine weekly, Nov. 1949; organised "A Nite With Stars" a variety entertainment programme at the Regal Theatre, Bombay in which most popular cine stars took part and for the

first time stepped from the screen to the stage in an effort to collect funds; Troop comforts and Kashmir Relief Fund, Jan. 1949; in March 1951 got together leading film stars for "Film Stars Cricket Festival" at the Brabourne Stadium under the patronage of H.E. the Governor of Bombay for Mayor's, Governor's, cric-control and film funds. Recreations: Riding; Reading. Address: Quetta Terrace, Chowpatty, Bombay 7.

KARANJIA, Russy K., B.A. (Hons.), Publisher and Journalist. Editor-in-Chief of *Blitz*, a leading Indian weekly; Correspondent of several leading foreign newspapers, including the *Daily Mail* (London). b. Sept. 15, 1912; m. Aileen (nee Vacha); Educ.: St. Xavier's High School and Coll., Bombay. Took training in Journalism in U.K. and Europe. Commenced journalistic career as reporter, sub-editor and special correspondent with the *Times of India* publications; joined *Sunday Standard* as Deputy-Editor and later became Editor-in-Chief of the *Sunday Standard* and *Morning Standard* (today *Indian Express*); started *Blitz* in Feb. 1941; Editor and Director of *Blitz* Publications; has since made three separate tours of the Continent and contributed signed articles to several of the world's leading newspapers; was by Leader of the first Indian Goodwill Mission to Peoples' China; one of the Founders and an ex-President of the Progressive Group, Bombay; Chairman, Freedom of the Press Ctee. Recreations: Riding; Tennis. Address: Earl's Court, Marine Drive, Bombay.

KARMARKAR, Dattatraya Parashuram, M.A., LL.B., Minister for Commerce, Govt. of India, since August 1952. b. July 20, 1902, at Mantur, Dharwar Dist., s. of Parashuram Sadashiv Karmarkar; m. Smt. Shantabai, Nov. 1936; two s. and two d.; Educ.: Karnatak Coll., Dharwar; Deccan Coll. and Law Coll., Poona. Lawyer; member: Karnatak Education Board, Dharwar; Historical Research Society; Kannada Research Board; Indian Historical Records Commission; District Anti-Corruption Ctee.; Founder-Member, Law Coll., Belgaum. Pres., Karnatak P.C.C.; M.L.A. (Central); Delegate to the International Conference on Trade at Geneva, 1947 and Havana, 1947; Economic and Employment Commission, New York, 1948, fourth General Assembly of U.N., 1949; Leader of the Indian Delegation to the ECAFE Conference at Lahore, 1951, at Rangoon, 1952, at Bandung, Indonesia, 1953; Vice-Chairman, ECAFE, 1952-53; led no-tax Campaign in Ankola Taluka, 1930-32; Dy. Minister, Commerce & Industry, Govt. of India, till Aug. 1952. Hobbies: Walking, Swimming, Rowing and Gardening. Recreations: Reading. Publications: Books in Kannada: *History of Congress*; *A Primer to Constitutional History*; Editor, Vijaynagar Commemoration Volume. Address: Dharwar (Karnatak); 14, Akbar Road, New Delhi.

KARVE, Dattatraya Gopal, M.A. (Bombay), Director of Programme Evaluation, Planning Commission. b. 24th Dec. 1898; Educ.: New English School & Fergusson College, Poona; Godden Medalist, 1921; Wedderburn Scholar, 1923. Professor of History and Economics, Fergusson College, 1923-35 and 1940-43; Principal, Willingdon College, Sangli, 1935-40; Principal, B.M. College of Commerce, Poona, 1943-49; Lieut. and for some time Acting Adjutant, Bombay Univ. Training Corps, 1924-28; Asst. Commandant, Poona Civic Guards, 1940-45; Fellow, Univ. of Bombay; President, Indian Economic Assoc., 1945; Chairman, Bombay Administrative Enquiry Committee, 1948; Chairman, Madhya Bharat Co-operative Planning Ctee., 1952; Executive Editor, Bombay District Gazetteers (Revision), 1949-52. Publications: Two Marathi books on Principles of Economics and Indian Economic Problems, 1927-29; *Federations, a study in Comparative Politics*, 1933; *Poverty and Population in India*, 1937; Edited, Historical and Economic Studies,

1941; *Ranade, The Prophet of Liberated India*, 1942; *Indian Population*, 1943; *Public Administration in a Democracy*, 1950. Address: Summer Queen, Arthur Hunder Road, Bombay 5.

KATARI, Commodore Ram Dass, I.D.C., I.N., Deputy Commander-in-Chief and Chief of Staff, Indian Navy, since March 1954. b. Oct. 8, 1911, s. of late S. V. Naidu, Civil Engineer, Hyderabad (Deccan) and Smt. S. V. Naidu; m. Smt. Dhanam Chalam, Sept. 1938; one s. and one d.; Educ.: Mahabub College, Secunderabad; Nizam Coll., Hyderabad; Training Ship, "Dufferin", Bombay. Hooghly River Survey for a few years; then Indian Navy; War Service in Atlantic and Indian Oceans; several sea-commands since; Chief of Personnel at Naval Headquarters, 1949-51; Imperial Defence College, London, 1953. Recreations: Tennis. Clubs: Delhi Gymkhana Club, Delhi; Defence Services Club, New Delhi; National Sports Club of India. Address: Naval Headquarters, New Delhi.

KATJU, Dr. Kailas Nath, M.A., LL.D., D.Litt., Home and States Minister, Govt. of India, since May 1952. b. June 17, 1887; m. Rup Kishori, d. of Pandit Niranjan Nath Kaul of Jodhpur, who died in 1944; Educ.: Barr High School, Jaora (C.I.); Forman Christian College, Lahore; Muir Central College, Allahabad. Practised at Kanpur (1908-14); joined High Court Bar, Allahabad, 1914; LL.D., Allahabad Univ. (1919); Advocate, Allahabad High Court (1921); member, Council of U.P.C.C. and A.I.C.C. till 1946; elected Chairman, Allahabad Municipal Board (1935-37); Chancellor, Prayag Mahila Vidyaspathi; Pres., Allahabad Dist. Agri. Assoc.; Editor, Allahabad Law Journal (1918-46); member, Executive Council, Banaras Hindu Univ., and Constituent Assembly of India (1946-47); Minister of Justice, Industries and Development, U.P. Govt., 1937-39 and April 1946 to Aug. 1947. Imprisoned for 18 months in connection with Civil Disobedience Movement, Nov. 1940; detained under D.I.R., Aug. 1942 to April 1943; Governor of Orissa, August 1947 to June 1948; Governor of West Bengal, 1948-51; Minister for Home Affairs and Law, 1951-52. Publications: A thesis on the Law relating to Criminal and Actionable Conspiracies, and a commentary (with Mr. S. C. Das) on the Codes of Civil and Criminal Procedure. Address: Home Ministry, New Delhi.



KATRE, Dr. Sumitra Mangesh, M.A., Ph.D. (London), Director, Deccan College Post-graduate and Research Institute, Poona, since 1942. b. April 11, 1906, s. of Mangesh Krishna Katre and Radha (nee Kalbag); m. Radha (nee Savur, d. of Rao Saheb S. Ramachandra Rao); two d.; Educ.: Ganapathi High School and Govt. College, Mangalore; Presidency College, Madras; School of Oriental Studies, London Univ., Orientalesches Seminar, Univ. of Bonn. Professor of Sanskrit Languages, N. Wadia College, Poona (1933-34); S. P. College, Poona (1937-39); Professor of Indo-European Philology, Deccan College Post-graduate and Research Institute, Poona (1939-42). Publications: Founder-Editor, *New Indian Antiquary* and *Oriental Literary Digest*, and of several commemorative volumes; *Formation of Konkani*; *Introduction to Indian Textual Criticism*; *Prakrit Languages and their Contribution to Indian Culture*. General Editor, *Dictionary of Sanskrit on Historical Principles*. Address: Deccan College, Poona 6.

KAVL, Bhagirath Nath, M.A., Ph.D. (Econ.) (Lond.), F.S.S., Principal Private Secretary to the Prime Minister. b. November 26, 1899, s. of Pandit Kameshwar Nath Kaul; m. Shakeshwari, d. of Pandit Suraj Nath Agba; Educ.: Government College, Lahore; Allahabad University; London School of Economics.

and Political Science. Lecturer in Economics, Univ. College, Rangoon, 1924-27 and Univ. of Allahabad, 1931-32; Chairman, Dept. of Economics, Muslim Univ., Aligarh, 1932-36; Head of the Dept. of Economics, Punjab Univ., Lahore, 1937; 'Specialist' attached to the Financial, Economic and Transit Dept. of the League of Nations, Geneva, 1937-41; since 1941 employed in various capacities in the Govt. of India; Deputy Secy., Industries and Civil Supplies Dept., 1944-45; Director of Industrial Statistics, Ministry of Industry and Supply, 1945-48; Dy. Secy. to the Cabinet, 1948-50; Joint Secy. to the Cabinet, 1950. *Publications*: Various papers on economic and statistical subjects in the *Indian Journal of Economics*; *Unemployment among the Educated Classes in India*, 1935. *Clubs*: Delhi Gymkhana Club and East Punjab Club, Simla. *Address*: Prime Minister's Secretariat, South Block, New Delhi.

KAUL, Mahendra Kishan, B.A. (Punjab), M.I.S.I. (Lond.), Senior Dy. General Manager, Northern Rly., since July 28, 1952. *b.* May 1905, *s.* of late Raja Hari Kishan Kaul, C.S.I., C.I.E.; *m.* Brij Kumari, *d.* of T. N. Tankha, Munsoorie; *Educ.*: Government College, Lahore; took training in the Tata Iron & Steel Co., Ltd., Jamshedpur, and Scindia Steam Navigation Co., Ltd., Bombay. Joined the former B. B. & C. I. Railway in the Stores Dept. as Asstt. Supdt. of Stores, 1927; elected Chairman,



reconstituted elected Municipal Committee, Ajmer, 1939; Vice-President, B. B. & C. I. Rly. Metre-Gauge Athletic Assoc., 1940; re-elected Chairman, Ajmer Municipal Cttee., 1941; organised the Ajmer Railway Grainshops; was Special Officer, Dec. 1942 to Feb. 1943; Supdt. of Stores and Special Officer, March to May 1943; Controller of Railway Grainshops, Northern Zone, June to October 1943; Supdt. of Stores, Ajmer, November 1943 to March 1944; Officiating Dy. Controller of Stores, former B. B. & C. I. Rly., March 1944-46; Off. Controller of Stores, former B. B. & C. I. Railway, on three occasions, 1946-48; Dy. General Manager (Grainshops), Sept. 1948-49; Dy. General Manager (Staff), April-Aug. 1949; Controller of Stores, B.N. Rly., 1949-52. Officer on Special Duty and Senior Dy. General Manager-designate, Northern Railway, April 1952; Pres., Northern Rly. Sports Assoc., since 1953. *Address*: Willington Sports Club, Bombay; Baroda House, New Delhi.

KAULA, Bal Krishna, Home & Finance Minister, Ajmer State. *b.* June 18, 1903, *s.* of late Pt. Iqbal Krishna Kaula; *m.* Smt. Vishnu Maya, two *s.* and one *d.*; *Educ.*: Meerut; studied upto B.A. Branch Secy., Lakshmi Insurance Co. Ltd., Ajmer, 1929; became associated with Congress work in this province; first Satyagrahi from Ajmer during the individual Satyagraha movement of 1940; courted jail several times in connection with freedom movement; undertook a fast unto death during detention for the vindication of ordinary human rights of convicts; gave up the fast after 24 days on the intervention of Mahatma Gandhi; has been member, A.P.C.C. and A.I.C.C.; was mainly responsible for granting constitutional status to Ajmer as a Part C State, and giving a Leg. Assembly; elected to the Assembly from a double constituency of Ajmer City in the General Elections. *Address*: Srinagar Road, Ajmer.

KAURHAL, Lachhman Dass, B.A. (Hons.), LL.B. Advocate, Patiala. Ex-Minister, P&F&S; *b.* June 23, 1914; *m.* Shrim. Jamuna Bai; two *s.* and two *d.*; *Educ.*: Mohindra Coll., Patiala; University Law Coll., Lahore. Practised at the Patiala High Court Bar, from 1937; returned unopposed to Patiala Municipal

Cttee., 1946; Chairman, Finance Sub-Cttee.; took part in social and political movements; General Secy., Lok Sewak Sabha; Minister for Law, Legislative and Local Self-Govt., Jan. 1949—May 1951. *Publications*: Technical Law Dictionary in Hindi and Punjabi. *Recreation*: Reading. *Address*: Advocate, Near Arya Samaj, Patiala.

KAT, Sir Joseph Aspdan, Kt. (1927), K.B.E. (1948), J.P., F.I.O.S., Managing Director, W. H. Brady & Co., Ltd. *b.* 20th January 1884; *m.* Mildred, second *d.* of late J. S. and R. A. Burnett of Rowsley, Derbyshire, 1928; (*d.* born 17th October, 1934); *Educ.*: at Bolton, Lancashire. Came to India to present firm, 1908; Managing Director and Chairman of Board of several Companies under their control; Chairman, Bombay Mill-owners' Association, 1921, 1922, 1935, and Employers' Delegated to International Labour Conference, 1923; Officer in Bombay Light Horse; Vice-President, Chamber of Commerce, 1925; President, 1926; Vice-President, Indian Central Cotton Committee, 1925, 1926, 1931, 1932; Chairman, Back Bay Enquiry Committee, 1926; Chairman, Prohibition (Finance) Committee (Bombay), 1926; Member, Indian Council of Agricultural Research. *Residences*: Benarth Hall, Conway, North Wales, and Wilderness Cottage, Nepean Sea Road, Bombay. *Office*: Viceroy Nariman Street, Bombay.



KELAPPAN, KOYAPPALLI, B.A. (Madras), M.P. b. 1890, s. of Thenpoyil Kanaran Nayar and Koyappalli Kunhamma Amma; m. Thondiyil Punathil Ammalu Amma (deceased); one s., T. F. Kunhiraman Kidav; Educ.: Privately; Mission L.S. School, Quilandy; B.E.M.P. High School, Tellicherry; Zamorin's Coll., Calicut; Christian Coll., Madras; Govt. Law Coll., Bombay. Began life as a teacher at Changanacherry; then at Ponani; helped found the Nayar Service Society at Changanacherry; was its founder-pres.; the first headmaster of the school started under the auspices of this new Society; has been a keen Congress worker in Kerala; incarcerated twice during the Mopla Riots; led the Vaikom Satyagraha in Travancore to establish right of way for Harijans, 1924; the first band of Salt Satyagraha volunteers in Kerala, 1930 and the Guruvayur Satyagraha to establish the right of worship for Harijans; was the first person in Kerala to offer individual satyagraha, 1940; imprisoned in Aug. 1942 and released, 1946; was Pres., Malabar District Board for a term; has several times been elected Pres. or Secy. of the Provincial Congress Cttee.; sponsored the 'Mathrubhumi' (Malayalam) daily to propagate nationalist views; was its Editor for some time; founded the Harijan school and boarding home at Mudali, 1925; Resigned from Congress to form an opposition party along with Acharya Kripalani, 1950; elected member, House of the People, Jan. 1952. *Address*: C/o "Mathrubhumi," Kozhikode.

KELAVAR, Colonel Madhav Krishna, I.M.S. (Retd.), M.B.B.S. (Bom.), M.R.C.P. (Edin.), D.T.M. & H. (England), M.B.E. (Military) (1922), O.B.E. (Civil) (1944). Director of Medical & Health Services, Rajasthan since April 1951. *b.* April 30, 1898, *m.* Malatibai. *Educ.*: Grant Medical College, Bombay; Edinburgh Univ.; School of Tropical Medicine, London. Commissioned in the I.M.S. as Lieutenant, August 1919; promoted Captain, 1922; Major, 1931; Lieut.-Colonel (Substantive), 1939; Colonel, Feb. 1951; Dy. D.G.I.M.S. and the first Drugs Controller to the Govt. of India, 1946-1950; Member, Advisory & Planning Cttee. of the Medical History of the World War II; retired Nov. 30, 1950; appointed Director of Red Cross Hospital Services after retirement and

continued in this post till April 17, 1951, when his services were requisitioned by the States Ministry, Govt. of India for Rajasthan State. *Address*: Director, Medical & Health Services, Jaipur.

KELLOCK, James, M.A., B.D., D.D., Principal, Wilson College, Bombay, since 1944. *b.* June 9, 1886, *s.* of James Kellock, C.A. and Anna Taylor Robb; *m.* Audrey H. Keel, 1930; one *d.* and one *s.*; *Educ.*: Glasgow Academy; Glasgow University; U. F. Church Theological College, Glasgow; Marburg University. On war service with 67th Field Ambulance; B.A.M.O., in France and Balkans, 1915-18; ordained Minister, Church of Scotland, 1919; Professor of Economics and Philosophy, Wilson College, 1920; edited English *Dnyanodaya*, 1936-37; Moderator of United Church of Northern India, 1950-53; some time Fellow, Bombay Univ.; Chairman, Bombay Representative Christian Council; Pres., Bombay Auxiliary Bible Society of India & Ceylon; Bombay Tract & Book Society; member, Bombay State Prohibition Bd.; Bombay S.S.C. Exam. Bd.; Bombay Prov. Bd. for Anglo-Indian Education. *Publications*: *Life of M. G. Ranade* (1926); *The Social & Economic Environment of the Indian Christian Population in Bombay City* (1939); a Marathi translation of part of Pakenham-Walsh's *Lights & Shades of Christendom* (with N. L. Harshe, 1940); *The Training of Pastors & Christian Workers* (with P. D. Devanandan & R. B. Desai, 1943). *Recreations*: Swimming, Tennis and Golf. *Address*: Wilson College, Bombay 7.

KESAVAN, C., B.A., R.L. (Madras), Ex-Chief Minister, Travancore-Cochin. *b.* June 1891; *m.* Smt. K. Vasanthi, *d.* of C. V. Kunjuraman, Journalist and Politician of Kerala; two *s.* and two *d.*; *Educ.*: Quilon, Ernakulam and Trivandrum. Was teacher in his native village; started legal practice at Quilon; was interested in Co-operative Movement; became General Secy., S.N.D.P. Yogam, took to politics; courted jail many times; was Minister in the first Travancore Ministry; was Pres., Travancore State Congress; unanimously elected leader of majority party, March 1951. *Recreations*: Music and other fine Arts. *Address*: Cliff House, Trivandrum.

KESKAR, Dr. Balkrishna Vishwanath, D. Litt. (Paris), 1935, Minister for Information and Broadcasting, Govt. of India, since May 1952. *b.* 1903, *s.* of Vishwanathrao Keskari; *Educ.*: Poona, Hyderabad, Banaras (Kashividyapeeth) and Paris. Active Congress worker in the U.P. since 1922; took part in all the movements started by the Congress; member, Council of the U.P. Provincial Congress Cttee.; General Secy., Indian National Congress, 1946; elected to the Constituent Assembly from U.P., Jan. 1948; India's official delegate to Inter-Parliamentary Conference at Rome, Sept. 1948; Member, Indian delegation to the U.N. General Assembly, 1950; widely travelled in America, Europe and the Far East; elected to the House of the People from Sultanpur Dist. (U.P.), Feb. 1952; Dy. Minister for External Affairs, 1948-52. *Publications*: Has contributed regularly articles to the Press on national and international topics; *Recreations*: Photography, Hiking and Music. *Address*: 8, Hastings Road, New Delhi.

KETKAR, G. V., B.A., LL.B., Ex-Editor, Kesari and Maharashtra. *b.* Aug. 8, 1898, *s.* of late V. G. Ketkar, Advocate, Nasik; *m.* late Mrs. Saraswathi Ketkar; *m.* Mrs. Ajva Redmond (Converted Hindu Amalabai), 1950; three *s.* and one *d.*; *Educ.*: Nasik, Poona, Bombay. Pres., Maharashtra Prov. Congress Cttee., 1932; member, Maharashtra Civil Disobedience Cttee., 1930; imprisoned for Salt Satyagraha, 1930; Editor, *Maharashtra*, 1937; Editor, *Kesari*, 1947; General Secretary, Hindu Mahasabha, 1940; resigned Editorship and trusteeship, *Kesari* and *Maharashtra*,

1950; confined to Yeravada Jail under Preventive Detention Act, 1950; released on Habeas Corpus Petition to High Court, 1950. Address: 568, Narayan Peth, Poona City.

KHATTAN, Matadin, Merchant. b. May 1918, s. of Seth Bhagwandas Khattan, Stock & Share Broker, Sugar Merchant; m. four d. Is connected with various public bodies; member, Calcutta Stock Exchange Assoc. Ltd., Marwari Association, Indian Chamber of Commerce, Bharat Chamber of Commerce, National Sports Club of India, All India Marwari Federation and Indian Standards Institute, Sugar Section; Secretary, Marwari Relief Society, Calcutta (1948), (1950), (1951); President, Bengal Sugar Merchants' Assocn. (1946-49 & 1952); Director,



Sugar Distributing Syndicate Ltd., Rajendra Sugar Ltd., Bharat Mangnese Ltd.; Chairman, Sugar Distributors Ltd.; Managing Director, Matadin Khattan & Co. Ltd., Hind Sugar Co. Ltd.; Member, Local Advisory Cttee., E. I. Bly. (1946); Assessor to Sugar and Confectionery Trade Panels of the Railway Rates Tribunal; Vice-Pres., Barabazar Dist. Congress Cttee.; Pres., Yugantar Club. Address: 9, Ramkumar Rakshit Lane, Calcutta.

KHATTAN, Motilal, Chairman, Board of Directors, Bata Shoe Co. Ltd., Calcutta. b. July 19, 1906; Educ.: B.A. (Cal. Univ.), Attorney-at-Law. Member, Indian Airlines Corporation; Director: Associated Hotels of India Ltd.; Chowringhee Properties Ltd.; Shree Digvijay Woollen Mills Ltd.; South India Insurance Co. Ltd., etc.; travelled extensively in Europe, United Kingdom, United States of America, Far East, Australia, New Zealand, Japan, etc. Address: 226/1, Lower Circular Road, Calcutta 20.



KHAMBATA, Phirozensha K., Proprietor: Pioneer Manufacturing Co., Manufacturers of distempers, Coloured Clays and the like; Imperial Soda Factory, etc. b. 1891; m. Dhanbai R. Billia of Karachi, niece of late K. B. Mama; one s. and two d.; Educ.: Gujarat Coll. upto B.A. A keen Free Mason of 33 years standing; Past Master of Lodge Salem 563 and Treasurer, P. Hon. Deputy Grand Master; was the first Principal Chapter Connaught 215 and P. Hon. Deputy Grand Supdt.; Ex-



member, Managing Cttee., Parat Panchayat and Bazee Jashe Ruze Behram; takes keen interest in indigenous industries. Recreation: Billiards. Clubs: W.I.A.A. Club, Bombay and Parsee Gymkhana (Founder member). Address: Near Gujarat College, Ellis Bridge, Ahmedabad.

KHAN, Mr. Justice Abdul Hakim, M.A., LL.M. (London), Bar-at-Law, Judge, Madhya Bharat High Court, Gwalior. b. March 28, 1905, s. of Abdul Karim Khan, Law Member, former Gwalior State; m. Begis Begum; three s. & d.; Educ.: St. Peter's Coll., Agra; Muslim Univ., Aligarh; Univ. Coll., London; Lincoln's Inn, Practised at the Bar; entered Gwalior service as Puisne Judge, 1931; acted as Chief Justice; officiated as Law Member; became Senior Member, Judicial Cttee., Huzoor Darbar, Gwalior, C.I. Recreations: Walking; Tennis; Shooting. Club: Jiwaji Club, Gwalior, C.I. Address: Morar, Gwalior.

KHAN, Janab K. Shamsuddin, B.A., B.Ed., Director of Sericulture, Mysore; Chairman, Mysore Spun Silk Mills Ltd., Channarayana. b. Dec. 15, 1894, s. of Janab K. Abdul Wahab Khan; m. Begum Zainub Shamsuddin; six s. and one d.; Educ.: Govt. Central Coll., Bangalore. Research Scholar in Sericulture, Japan, May 1928 to Aug. 1930; visited Europe in connection with Spun Silk Mills, 1937; deputed again to Japan by Central Govt., 1950; deputed to Ceylon by Govt. of India under Colombo Plan, Feb./March 1953. (Club: Century Club, Bangalore. Address: Kalasipalyam Extension, Bangalore 2.



KHAN, Mohammad Ismail, B.A. (Cantab.), Barrister-at-Law, Zamindar & Politician. b. 1886, s. of Nawab Mohammad Isahak Khan of Jehangirabad; m. Ashraf Zaman Begum; three s. and six d.; Educ.: Tonbridge School (Kent) and St. John's Coll., Cambridge; Inner Temple, London. Member, Central & Provincial Legislative Assemblies; twice Vice-Chancellor, Muslim Univ., Aligarh; Pres.: Central Khilafat; U.P. Muslim League; Member, Central Muslim League Working Cttee.; delegate on behalf of Muslim League at the conference of the Cabinet Mission in Simla. Recreations: Tennis; Billiards. Address: Mustafa Castle, Meerut, U.P.

KHAN, Shah Nawaz, Chiefs Colleges Diploma, M.P., Parliamentary Secretary, Ministry of Railways and Transport, Govt. of India. b. Jan. 24, 1914; m. Smt. Karimjan; two s. and two d.; Educ.: Prince of Wales Royal Indian Military Coll., Dehra Dun; Indian Military Academy, Dehra Dun; took Chiefs Colleges Diploma, 1940. Commissioned as 2/Lt. in the Indian Army in 1/14th Punjab Regt., Feb. 1935; promoted Actg. Capt., Oct. 1939; proceeded Overseas, Jan. 1941; joined Azad Hind Fauj of Netaji and promoted Major General, 1943; principal accused in the Red Fort Trial of the I.N.A.; elected M.P. from Meerut. Publications: I.N.A. and its Netaji. Recreations: Shooting; Farming. Address: 1, Canning Lane, New Delhi.

KHANOLKAR, Dr. Prakash Dhendji, M.D. (Bom.), B.M.S. (I), Civil Surgeon, Belgaum, since Aug. 21, 1950; Vice-Pres., Red Cross Society, Belgaum; Pres., Belgaum Rotary Club; member: Infant Welfare Centre; Children's After Care & Probation Remand Home; Medical Officer & visitor to Hindiga Jail. b. March 28, 1918; m. Shri Prema Walawalkar (deceased), May 30, 1935; five s. and two d.; Educ.: Elphinstone High School, Elphinstone College and S. G. S. Medical College, Bombay. House Physician, G. T. Hospital under Dr. N. K. Sahlar, M.D., M.R.C.P., 1937; House Surgeon under Dr. V. E. Sanghvi, Sr. Surgeon, 1938-39; Tutor in Pathology and Bacteriology, S. G. S. Medical College, 1939-43; Pathologist to Kolhapur State, 1943-47; Chief Medical Officer and Director of Public Health, 1947; Civil Surgeon, Kolhapur, 1949-50; takes great interest in activities conducive to the improvement of public health and general welfare of the poor and needy; was responsible for the early prevention of the spread of a curious type of plague in Kolhapur, 1947; as Dir. of Rotary Club, organised Blood Bank in Belgaum; Dir., Rotary Club, Belgaum; Vice-Pres., Leprosy Relief Assocn.; Red Cross Assocn., Belgaum Branch; Secy., St. John Ambulance Assocn., Belgaum Branch. Recreations: Bridge and Outdoor games. Address: Civil Surgeon, Belgaum.



KHAR, Dr. Marayana Shankar, B.A., M.D., M.P., ex-Chief Minister, Madhya Pradesh. b. 1884. M.P. Medical Service, 1907-16; resigned

from Govt. service, 1916; Member, Leg. Council, M.P., 1923-29; imprisoned in 1930 C.D. Movement; M.L.A. (Central), 1935-37, where he placed on the Statute the "Arya Marriage Validation Bill"; First Prime Minister of M.P., 1937-38; resigned on account of differences with Mahatma Gandhi and the Congress Working Cttee. on the issue of democracy in the Congress; member, Viceroy's Executive Council, Dept. of Commonwealth Relations, May 1943 to June 1946; represented Alwar State in the Constituent Assembly of India but was made to resign when his services as Prime Minister of Alwar were dispensed with on suspicion in February 1948 after the assassination of Mahatma Gandhi; elected Pres., All-India Hindu Mahasabha at its Calcutta Session, Dec. 1949 and Poona Session, Dec. 1950 and Jaipur Special Session, April 1951; elected to House of People. Address: Indira Mahal, Dhantoli, Nagpur, M.P.

KHEDKER, V. R., M.Sc. (Banaras), Director, Indian Bureau of Mines (Ministry of N.R. & S.R.). b. Oct. 22, 1912, s. of late Dr. B. V. Khedker, I.M.S., M.D., F.R.C.S., D.P.H., L.M., etc.; m. Smt. Tatini Mazumdar; one s. and one d.; Educ.: Banaras Hindu Univ. Joined Geological Survey of India, 1936; worked in almost all the provinces in India mainly on economic and strategic minerals and their utilisation in industry. Publications: Monograph entitled Mineral Resources of the Damodar Valley and adjacent region and their utilisation for industrial development; several other papers. Recreations: Rowing, Tennis, etc. Clubs: Lake Club, Calcutta. Address: Indian Bureau of Mines, Ministry of Natural Resources & Scientific Research, New Delhi.

KHER, Atmaram Govind, B.A., LL.B., Speaker, U.P. Leg. Assembly. b. September 25, 1894; m. S. Shanta Bai; Educ.: Jhansi, Hindu Central College, Banaras, and Law College, Allahabad. Chairman, Municipal Board, Jhansi for 3 terms; member, District Board, Jhansi, for ten years; twice member, Legislative Assembly; member, District, Provincial and All-India Congress Committees, several times; imprisoned for political activities five times; twice Parliamentary Secretary to Minister of Health and Local Self-Govt.; Minister for Local Self-Govt. Address: 13, Mall Avenue, Lucknow.

KHER, H. E. Sai Gangadhar, B.A., LL.B., High Commissioner for India in U.K. b. 1888; Educ.: Wilson College, Vurjewandas Madhavdas Sanskrit Scholar, Bhawoo Daji Prizeman, Dakshina Fellow. Enrolled as Vaid, 1912; Solicitor, 1918; Partner, Manilal Kher Ambalal & Co., Solicitors; ex-Director, Bombay Mutual Life Assurance Society, Ltd.; has taken active part in politics since 1922; was Secretary of Swaraj Party; was Secretary of the Bardoli Satyagraha Inquiry Committee; member, All-India Congress Committee; sentenced to eight months' rigorous imprisonment and fine, 1930; again arrested, 1932; sentenced to two years' rigorous imprisonment and fine; ex-President, Harijan Sevak Sangh, Maharashtra; Founder, Bombay Legal Aid Society; Chairman, Shradhanand Anath Mahilashram; Prime Minister, 1937-39; arrested and imprisoned under Defence of India Act, 1940, and again in August 1942; released July 14, 1944; Founder-member, "Adivasi Seva Mandal", a society for rendering service to the aboriginal tribes; member, Bombay Suburban Social Service League; Pres., Balkanjali-Bari—All-India Children's Assocn.; elected M.L.A., Bombay, from the University Constituency and Leader, Bombay Legislature Congress Party, March 1946; member, Constituent Assembly, 1946-50; Chief Minister, Bombay, 1946-52; member, Council of States, 1952. Address: "Alaka," 14th Road, Khar, Bombay.

KHETRI: Raja Bahadur Sardar Singh of, M.A. (Cantab.), Bar-at-Law, M.P. b. March 16, 1920, s. of Raja Bahadur Amar Singhji; m. Rajkumari Bhuvan Rajya Lakshmi

3rd d. of H.E. Commanding Genl. Singha Sumshere Jung Bahadur Rana of Nepal, Nov. 25, 1948; *Educ.*: Chillon Coll., Montreux, Mayo Coll., Ajmer and Corpus Christi Coll., Cambridge where he was President of the Majlis. Called to the Bar, 1941; elected member, Jaipur Legislative Council, 1945; member, Indian Constituent Assembly and Parliament representing Jaipur State and Rajasthan, 1947-52; Secy. to H. H. the Rajpramukh of Rajasthan, 1949; elected member, Council of States, 1952. *Clubs*: National Sports Club of India, Delhi Gymkhana Club, Willingdon Club, Bombay; Rajputana Club, Abu; Jaipur Club, Royal Automobile Club, London. *Address*: Khetri, Jaipur (Rajasthan).

KHILCHIPUR, His Highness Yashodhar-singh, the Raja of; Junior Up-Rajpramukh of Madhya Bharat. b. March 6, 1918, s. of His Highness Raja Rao Bahadur Sir Durgans Singhji, K.C.I.E. of Khilchipur, Head of the illustrious Chouhan clan of Rajputs; m. The sister to His Highness Sawal Mahendra Maharaja Sir Vir Singhji Deo Bahadur, K.C.S.I., Sarnad-I-Raja-Bundelkhand, Maharaja of Orchha; one s., Maharaj Kumar Bhartendra Singhji; *Educ.*: Daly Coll., Indore; St. John's Coll., Agra. On the death of his late Highness, assumed charge of the Khilchipur State, Feb. 1943; had his State integrated in Madhya Bharat, June 1948. *Recreations*: Photography, Big Game Shooting and Study of Natural History. *Address*: Palace, Khilchipur (via Bhopal), M.B.

KHIMJI, Shawanji Arjan, M.P., J.P., Cotton Merchant. b. 1902, at Khamgaon (M.P.), s. of Arjan Khimji; *Educ.*: privately. Partner, Arjan-Khimji & Co., since 1922;



Director: Arjan Khimji Ginning and Pressing Co. Ltd.; The Sindu Resettlement Corp. Ltd.; for several years Vice-Pres., East India Cotton Assoc. Ltd.; Pres., Bombay Cotton Merchants' & Muccadams Assoc. Ltd., 1935-50; member, Managing Cttee., Indian Merchants' Chamber since 1932; Pres. for 1949 and now Trustee; Member, Kanolia Port Advisory Cttee. and Indian Central Cotton Cttee., M.L.A., Bombay, 1937-52; represented the Assembly on the Advisory Cttee. of the G.I.P. Rly., 1937-42; member, Constituent Assembly of India, representing Kutch; member, Kutch Advisory Council; Trustee of several Charitable and Educational Trusts in Bombay State; Member and Hon. Treasurer, B.P.C.C., 1935-52; member, A.I.C.C.; Pres., Society of Hon. Presidency Magistrates, Bombay for 1951-52; imprisoned for part in freedom struggle, 1932, 1940-41 and 1942-44; member, Indian Parliament, from Kutch since 1952; Pres., Kutch P.C.C., 1953. *Clubs*: Matunga Gujarati Club; Cricket Club of India; Bombay Presidency Radio Club. *Address*: Residence: "Saroj Sadan", 297, Sir Balachandra Road, Matunga, Bombay; Office: 17, Sir Phirozshah Mehta Road, Fort, Bombay.

KHORY, Ardashir Maneckji, B.A., LL.B., Assistant Collector of Sales Tax, Bombay, since 1949. Born of a leading Parsi family in Central India (Madhya Bharat); is the s. of the Judicial Minister of the former Dhar State and the s. of late Khan Bahadur N. M. Khory, Prime Minister in Sallana, Barwan and Dhar States in succession; *Educ.*: Had a brilliant educational career, having stood First Class First in his College in the Law Final Examination; qualified in the Indian Civil Service Examination. Earned a good



record in sports, having won several trophies in College and Inter-Collegiate tournaments in Tennis, Badminton, Table-Tennis, etc. Is one of the youngest amongst the Parsis to hold such a responsible post. *Address*: Barucha House, Garden Road, Colaba, Bombay.

KHOSLA, Mr. Justice Gopal Das, B.A. (Hons.) (Cantab.), Bar-at-Law (Lincoln's Inn), I.C.S., Punes Judge, East Punjab High Court. b. Dec. 15, 1901, s. of R. S. Murarilal Khosla, Retd. Dist. & Sessions Judge; m. Shakuntala, d. of R.B. Bawa Natha Singh, Retd. Chief Engineer, Punjab; three s. and one d.; *Educ.*: St. George's College, Mussoorie; Emmanuel College, Cambridge, Dist. & Sessions Judge (1930); Punes Judge, Lahore High Court (1944). *Publications*: *Stern Accounting*; *Our Judicial System*; Short stories and articles. *Recreations*: Writing, Sport, Carpentry. *Address*: Knockdrin, Slma.

KIDWAI, Mr. Justice Mubashir Hosain, M.A. (Cantab.), Bar-at-Law, Judge, High Court, Allahabad, since 1948. b. Aug. 17, 1899, s. of late Mushir Hosain Kidwai, Bar-at-Law; m. Zakia Sultana, d. of late Shahid Husain; three s. and two d.; *Educ.*: Colvin Taluqdar's Coll., Lucknow; Clifton Coll. and Trinity Coll., Cambridge. Started practice at the Bar at Lucknow, 1920; Member, U.P. Leg. Assembly, 1937-45; Member, U.P. Leg. Council, 1946. Judge, Chief Court of Oudh, 1946. *Recreation*: Agriculture. *Address*: Mushir Manzil, Jopling Road, Lucknow.

KIDWAI, Rafi Ahmad, Minister for Food and Agriculture, Govt. of India, since May 1952. b. Feb. 1894, s. of late Khan Sahab Sh. Imtiaz Ali; *Educ.*: Graduated in 1920. Gave up further studies to join the non-co-operation movement, 1921; after serving his sentence in jail, joined as Secy. to Pandit Motilal Nehru; elected M.L.A., Centre, 1926; Chief Whip of the Congress Party in the Central Leg., 1926-29; resigned in 1929 in response to Congress call for boycott of legislature; joined C.D. Movement, 1930; was arrested and jailed for 6 months for organising a 'No Tax' campaign among the peasant; of Rae Bareilly; elected General Secy., U.P. P.O.C., 1931; was imprisoned, 1932-34; after his release in 1934, started an agitation against the moderate policy of the Congress Working Cttee. and advocated non-acceptance of office under the 1935 Act; elected Pres., U.P. P.C.C., 1935; subsequently elected member, U.P. Leg. Assembly; Revenue Minister, U.P., 1937-39; acted as Premier on several occasions; resigned as a result of the 'Anti-war Policy' of Congress, 1939; arrested and detained, 1940-41 and 1942-45; Home & Revenue Minister, U.P., 1946-47; member, Congress Working Cttee., 1947-51; Communications Minister, Govt. of India, 1947-51. *Address*: Barabanki, Uttar Pradesh; Secretariat, New Delhi.



KING, Raymond Maltravers, Director, Best & Co., Ltd., Madras. b. Oct. 11, 1908, s. of Capt. A. M. King, D.Sc. and Mrs. King; m. Pamela Patricia Percy; one d.; *Educ.*: Dulwich Coll., England. Entirely with Best & Co. Ltd., except for army service during World War II. *Recreations*: Shooting, Golf. *Clubs*: Adyar and Madras Club, Madras; East India & Sports Club, Sq. James's Sq., London. *Address*: Best & Co. Ltd., P.O. Box 63, Madras.

KIRLOSKAR, Shankar Vasudev, General Manager, Kirloskar Brothers, Ltd. b. Oct. 8, 1891, s. of Dr. Vasudevrao, Sholapur and Smt. Laxmibai; m. Smt. Farwatibai, d. of Dr. L. N. Purohit, Bombay; one s., Mukunda, Editor, Kirloskar magazines and one d.,

Malati, M.A., Professor; *Educ.*: Sholapur, Belgaum, Poona and London. Started as Asstt. in the Kirloskar Concern in charge of Sales & Publicity, 1914; edited Kirloskar magazines; Minister for Development, Aundh State; Pres., Deccan Manufacturers' Assoc., Sangli. *Recreations*: Cricket, Tennis, Painting, Reading. *Address*: Kirloskarvadi (Dist. South Satara).

KIRPALANI, Motiram Khushiram, B.A. (Oxon.), C.I.E. (1945), Commissioner, Ajmer. b. Aug. 15, 1901; *Educ.*: Academy, Hyderabad (Sind) and New College, Oxford. Joined the Indian Civil Service, 1926; was Magistrate and Collector, Midnapore, 1934; Excise Commissioner, Bengal, 1938; Secretary, Commerce Department, 1945-47; Joint Secretary, Govt. of India, Ministry of States, 1948; was Dy. High Commissioner for India in Pakistan; Minister, Indian Embassy in Washington; Ambassador Extraordinary and Plenipotentiary in Bangkok, Siam. *Address*: Ajmer.

KISHORE, Nawal, M.A., LL.B., Rai Bahadur (1940), Ex-Custodian-General of Evacuee Property, Govt. of India, New Delhi. b. Nov. 4, 1891; m. three s., Krishna Kishore, M.A., I.A.S.; Rajkishore, B.A., M.A. (Pres.) and Premkishore; *Educ.*: Govt. College, Lahore; Prize winner throughout the college career, LL.B. First Class First; Gold Medalist; Punjab University. Practised at Lahore High Court for 18 years; was lecturer, Law College, Lahore for about 9 years; Law Examiner, Punjab, Delhi and Rajputana Universities; Chief Justice, High Court of Jodhpur, 1936-48; and acting Chief Justice, Rajasthan High Court for about one year from Jan. 28, 1950; acted as Chairman, Jodhpur Representative Assembly and various committees from time to time; awarded title of Rathi Saropao by H. H. the Maharaja of Jodhpur, 1948. Judge, High Court of Rajasthan, Jodhpur. Retired from Rajasthan High Court. *Recreation*: Tennis. *Club*: National Sports Club of India. *Address*: New Delhi.

KOTAH, Brig. His Highness Maharajadhiraj Mahi Mahendra Maharao Raja Shri Sir Bhim Singhji Sahib Bahadur, K.C.S.I. Upajpramukh of Rajasthan, the Maharao of b. 1909, the ruling family belongs to the Hara Sect of Chauhan Rajputs and is an offshoot of the Bundi family, the State having come into existence about 1625 during the reign of Madho Singhji, 2nd son of Rao Ratan of Bundi; m. d. of His late Highness Maharaja Ganga Singhji Sahib Bahadur of Bikaner, 1930; the Heir-Apparent, Maharaj Kumar Brijraj Singhji Sahib, b. Feb. 21, 1934; *Educ.*: Mayo Coll., Ajmer. Ascended the gadi, 1940. *Address*: Kotah, Rajasthan.



KOTAK, Girdharlal Bhavanbhai, B.A., Ex-Minister for Finance, Saurashtra. b. Oct. 24, 1898, of the Kotak family of Saurashtra; *Educ.*: Graduated from Bombay Univ., 1919. Left the Law College to join non-co-operation movement; established Rashtriya Mahila in Rajkot together with Sjt. Chhotalal Mankad, 1921; arrested twice with family in 1931-32 Movement; was in Japan for 10 years and established a Congress Cttee. there; has been on several Govt. Cttees.; is a Cotton Specialist; was Chief Organizer and Pres., All-India Exporters' Assoc.; Dir., East India Cotton Assoc.; the Export Advisory Council, Central Govt.; Bombay Port Cttee., Textile Com. Fund Cttee. (Central Govt.), Export-Import Cttee. (Indian Merchants' Chamber), All-India Manufacturers' Assoc. Working Cttee., Bombay Suburban Village Industries Assoc. Executive Cttee.; Trustee, All-India Balkanjil-Bari; Pres., Indian Council

of World Affairs, Rajkot Branch; Vice-Pres., Saurashtra Research Assoc.; Convener, Bharat Sevak Samaj, Saurashtra. *Recreations*: Hockey, Football, Running, Jumping, Tennis and Cricket. *Address*: "Ram Nivas", Rajkot.

KOTHARI, Chandulal Motilal, B.A., LL.B., ex-Sheriff of Madras, ex-Pres., Federation of Indian Chambers of Commerce and Industry, Merchant and Industrialist. *b.* Aug. 18, 1889, *s.* of Motilal Kothari, Dy. Political Agent, Kathiawar; *m.* Mrs. Rama; two *s.* and one *d.*;



Educ.: Elphinstone Coll. Ex-Vice-Chairman, Central Tea Board; ex-Member, Madras Legislative Assembly (Planters' Constituency); International Tea Market Expansion Board; Executive Cttee. of the United Planters' Assoc. of Southern India; ex-Vice-Pres., Southern India Chamber of Commerce; ex-President, Hindustan Chamber of Commerce, The Madras Stock Exchange; member, Central Cotton Cttee.; Managing Agent and Chairman: Kothari Textiles Ltd.; The Blue Mountain Estates Ltd.; The Waterfall Estates Ltd.; Balmadras Plantations Ltd.; Investment Trust of India Ltd.; The Madras Safe Deposit Co., Ltd.; The Guernsey Tea Factory Co., Ltd.; Director: The Amrutnjan Ltd.; Guntur Power and Light Ltd.; attended International Labour Conference at San Francisco (U.S.A.) as Adviser to Employers' Delegation of India, June 1948; was member, Govt. of India Trade Delegation to Indonesia and South-East Asian countries; Chairman, South Indian Sub-Cttee., Indian Tea Licensing Cttee. *Publications*: *Investors' Encyclopedia*. *Recreation*: Bridge. *Clubs*: The Cosmopolitan Club; The Madras Gymkhana Club; The Madras Race Club; The Presidency Club; The Calcutta Club; The Cricket Club of India; The Voonoor Club. *Address*: Kothari & Sons, Oriental Buildings, Armenian Street, P. B. No. 267, Madras.

KOTHAVALA, Tehmasp Tehmul, M.A., B.Sc., C.I.E. (1944), ex-Inspector-General of Prisons, Inspector-General of Registration and Director of Land Records, Govt. of Bombay. *b.* Feb. 26, 1893, *s.* of Tehmul R. Kothavala; *m.* Shernaz M. Disana; two *s.* and one *d.*;

KOTHAVALA, Lt.-Col. Jamshed Dorabsha, Governor, Rotary International, 54 Dist.; Commander-Brother, the Most Venerable Order of St. John, Justice of the Peace and Hon. Presidency Magistrate, A.I.R.O. (Retd.), Director, Polson Ltd., Polson Agencies Ltd., Adites Ltd., Sistas Ltd., Solar Batteries & Flashlights Ltd. *b.* Sept. 4, 1893; *m.* Jer Polson, 1928. Pres., Cosmopolitan Ambulance and Nursing Divs.; St. John Ambulance Brigade; Freemason, Past Master, S.C. and E.C.; Past Pres., Rotary Club of Bombay and Assoc. of Indian Industries; Past Master, Bombay Presidency Trades Assoc.; Past Vice-Pres., All-India Manufacturers' Organization; member, Indian Merchants' Chamber Managing Cttee.; Div. Rly. Users' Consultative Cttee. of the Central

Rly.; Member, representing Trade Interests, nominated by Governor-General-in-Council on Indian Coffee Cess Cttee., 1935-40; attended Rotary International Convention, Nice, France, 1937; R. I. Assembly and Convention, U.S.A., 1954; represented Bombay District at the Golden Jubilee, St. John Ambulance Brigade in London, 1937; presented at His Majesty's Levee, London, 1937 and to the President of India, 1952; Mrs. Kothawala presented at Court, 1937; called to Army service, 1940-43; Mentioned in Despatches by order of the King for gallant and distinguished service with Middle East Forces. *Clubs*: Willingdon, Royal W. I. Turf; United Services; Ripon; C.C.I.; Radio; W.I.A.A.; National Sports Club of India. *Address*: Grosvenor House, Pedder Road, Bombay 26.

KRIPALANI, Acharya J.B., M.A. (History and Economics), M.P., Chairman, Praja Socialist Party; Director of the Shri Gandhi Ashram, Village and Khadi Organisation in the States of U.P. and Delhi; *b.* 1888. General Secretary of Indian National Congress, 1934 to June 1946; elected Pres., Indian National Congress, Oct. 1946; resigned Nov. 1947; *Educ.*: M.A., 1912. Professor in Bihar under the Calcutta University, 1912-17; joined Mahatma Gandhi in Champaran Satyagraha, 1917; was with him in Kaira (Gujarat); worked as Private Secretary to Pandit Madan Mohan Malaviya, 1918; Professor of Politics in the Benares Hindu University, 1919; left the University and started Khadi and Village work, 1920, through the Gandhi Ashram, Benares; in charge of the Gujarat Vidyapith as Acharya (Principal), 1922-27; for the ninth time arrested and imprisoned under Defence of India Rules in Aug. 1942. Released on 15th June, 1945; Member, Constituent Assembly of India, 1946-51; formed the Congress Democratic Front, 1951; founded "Vigil", Independent Political Weekly, 1950; resigned from Congress and formed Krishak Masudoor Praja Party, 1951; merged K.M.P.P. with the Socialist Party, Oct. 1951. *Publications*: *The Gandhian Way*, *The Non-Violent Revolution*, *The Indian National Congress*, *The Politics of Charkha*, *The Future of the Congress*, *The Fateful Year*, *Gandhi the Statesman*, *The Latent Fad*, *Basic Education*. *Address*: Shri Gandhi Ashram, Meerut.

KRISHNAMACHARI, Tiruvallur Thattai, Minister for Commerce and Industry, Govt. of India, since May 1952. *b.* Nov. 26, 1899; *m.* Srim. Rajammal (died 1931); *Educ.*: Madras Christian College, Madras. Entered business, 1921; was elected representative of the Indian Commerce Constituency to the Madras Leg. Assembly, 1937 and played a prominent part in legislative and other work in the Madras Assembly during the time of the Congress Ministry; has been taking keen interest in the Indian mercantile organisations in the Madras State and the economic life of the State in general; elected to the Central Assembly in October 1942 in bye-election for Tanjore-Trichinopoly non-Mohammedan Rural Constituency and was a prominent member in the last Central Assembly; elected Pres. of the Madras Mahajana Sabha for the year 1946-47; elected member, Constituent Assembly of India, 1946; member, Drafting Cttee. of the Indian Constitution; was a member of the Indian Financial delegation that visited London, 1948. *Address*: No. 5, Duplex Road, New Delhi.

KRISHNAMACHARI, Sir V. T., B.A., B.L. (Madras), K.C.S.I., K.C.I.E., Deputy Chairman, National Planning Commission, since Feb. 1953. *b.* Feb. 8, 1891, *s.* of Vangal Thiruvankatachari; *m.* Srim. Rangammal (awarded Kaiser-i-Hind Gold Medal, 1935); three *s.*

and two *d.*; *Educ.*: Presidency Coll., Madras. Entered the Madras service, April 1903; Under-Secy. to the Govt. (1916-18); Special duty on Montague-Chelmsford reforms (1918-19); Collector (Ramanad Dist.); Secy. to the Govt. of Madras (1924-27); services lent as Prime Minister, Baroda State (1927-44); Delegate to the League of Nations, 1934 and 1936; attended all the Round Table Conferences in London; was member, Reserve Bank Cttee., Federal Finance Cttee., etc.; Adviser to the Imperial Conference, 1937; Chairman, Cttee. of Ministers, Chamber of Princes, 1940-44; Delegate to the San Francisco U.N. Conference, 1945; the Preparatory Commission and the first session of the General Assembly (1945-46); Prime Minister of Jalpur (1946-49); Member, Indian Delegation for the Sterling balances talks in London (June 1948); Chairman, Indian States' Finance Enquiry Cttee. (1948-49); Vice-Pres., Constituent Assembly (1949-49); Chairman, Indian Fiscal Commission (1949-50); member, National Planning Commn., 1950-53. *Publications*: *Speeches*. *Recreations*: Tennis, Golf. *Clubs*: National Liberal Club, London; Cosmopolitan Club, Madras. *Address*: 133, Lloyds Road, Madras 6; and 11, York Road, New Delhi.

KRISHNAMURTHI, Dr. Sundaram, B.Sc. (Agri.), M.Sc. (California), Ph.D. (Mich. St.), Professor and Head, Deptt. of Agriculture, Annamalai Univ., since 1951. *b.* Jan. 15, 1911, *s.* of late M. D. Narayanaswami Mudalliar, Kollegal; *m.* Smt. Rajamma; one *s.* and three *d.*; *Educ.*: Govt. Coll., Coimbatore; Madras Agricultural Coll., Coimbatore; Univ. of California (U.S.A.) and Michigan State Coll. (U.S.A.). Curator, Govt. Botanic Gardens, and Parks of Nilgiris, Ootacamund, 1940-51. Chairman, Board of Studies in Agriculture, Annamalai Univ. and member, Board of Studies in Agriculture, Madras Univ.; sponsored Gandhi Memorial Library at the Michigan State College (U.S.A.), 1949. *Publications*: *Contributions to Indian Farming*, *Madras Agricultural Journal* Ootacamund Botanic Garden Centenary Volume, *Planters' Chronicle*, *Saturday Evening Post (U.S.A.)*, *Los Angeles Times (U.S.A.)*, *Livingston State Journal (U.S.A.)*, *Cincinnati Enquirer (U.S.A.)*, *Illustrated Weekly of India*. *Recreations and hobbies*: Music, Photography, Writing, Public speaking and debating. *Clubs*: Nilgiri Rotary Club; Lawley Institute; Nilgiri Agri-Horticultural Society; Y.M.C.A. *Address*: Professor and Head, Department of Agriculture, Annamalai University, Annamalai Nagar P.O., South India.

KRISHNAN, Harikesanalar Ramasastri, B.A. (Madras), M.Sc. (Benares), Judicial Commissioner, Vindhya Pradesh, since 1950. *b.* Jan. 9, 1910, *s.* of Harikesanalar Ramasastri, Tirunelveli Dist.; *m.* Smt. R. Lakshmi, *d.* of V. Raghunathier; *Educ.*: T.H. School, Ambasamudram; Hindu Coll., Tirunelveli; Presidency Coll., Madras; Benares Hindu Univ.; Sidney Sussex Coll., Cambridge. S.D.O. and Dt. Judge at different places in Bihar; Law Secy. to the Govt. of Orissa. *Publications*: Occasional articles in newspapers and magazines. *Recreations*: Bridge, Tennis, Photography. *Address*: Rewa (V.P.).

KRISHNAN, Sir Karlesamankam Srinivasa, Kt. (1946), D.Sc. (Madras), Hon. D.Sc. (Allahabad, Delhi, Lucknow), F.R.S. (1940), Director, National Physical Laboratory of India, New Delhi, since 1947. *b.* Dec. 4, 1898; *m.* Lakshmi Ammal; *Educ.*: "Kundu High Schools" Watrap and Srivilliputtur; American Coll., Madras; Madras Christian Coll. and Univ. Coll. of Science, Calcutta. Research Associate, Indian Assoc. for the Cultivation of Science, 1923-28; Mahendralal Sircar Research Prof., 1933-42; Prof., Univ. of Allahabad, 1942-47; Pres., National Academy of Sciences, India, 1945 and 1946; Pres., Physics Section of the Indian Science Congress, 1940 and its General Pres., 1949; member, Board of Scientific and Industrial Research, and of Atomic



Energy Commission and various committees of the Govt. of India; fellow of several scientific societies and academies; Vice-Pres. International Union of Pure and Applied Physics; International Union of Crystallography; Chairman, Indian National Ctee. for U.R.S.I.; Liege Univ. Medal, 1937; Krishnarajendra Jubilee Gold Medal, 1941; Ahdarchandra Mukherji lectures, Calcutta Univ., 1940; Sukhray Ray Readership lectures, Patna Univ., 1941; Ripon Professorship lectures, Indian Assoc. for the cultivation of Science, 1943; Mathur Memorial Lectures, B. H. Univ., 1948; Gaskwad Lectures, Baroda Univ., 1952; special lectures at Travancore, Mysore, Osmania and Punjab Universities; Govt. of India delegate to Royal Society Commonwealth Scientific Conference, 1946; scientific deputation by the Govt. of India to Europe and America, 1946; delegate to several international scientific conferences. *Publications*: Several papers in the Transactions and the Proceedings of the Royal Society and other scientific journals on Optics, Magnetism, Physics and Chemistry of solids, particularly of metals; collaborated with Sir C. V. Raman in the discovery of the Raman Effect. *Address*: The National Physical Laboratory, Hillside Road, New Delhi.

KRISHNAN, Maharajapuram Sitaram, M.A. (Madras), A.B.C.S., D.I.C., Ph.D. (London). Director, Geological Survey of India, since Feb. 1951. b. Aug. 24, 1898, s. of Sitarama Sastri of Maharajapuram, Madras; m. Smt. Lakshmi Krishna Iyer, Ombathivel, Tanjore Dist.; three d.; *Educ.*: St. Joseph's Coll., Trichinopoly; Presidency Coll., Madras; and Imperial Coll. of Science and Technology, London. Demonstrator in Geology, Presidency Coll., Madras, 1919-21; Geologist, 1924-45; Superintending Geologist, Geological Survey of India, 1945-48; Director, Indian Bureau of Mines 1948-51; Fellow of the National Institute of Sciences of the Indian Academy of Sciences and of several geological and mineralogical societies at home and abroad; member, Coal Mining Ctee., 1937; Chairman, Metallurgical Coal Ctee., 1950; member of several Govt. Research Ctees. *Publications*: *Geology of India & Burma*, (Madras Law Journal, 1943-1949); *Introduction to the Geology of India* (M.L.I. office 1944, 1951); *Geology of Gangetic State, Orissa* (1939); *Mineral Resources of Madras* (1952); *Structural & Tectonic History of India* (1953)—the last three published as Memoirs of the Geological Survey of India; 50 other papers on geological topics. *Address*: Geological Survey of India, Calcutta.

KRISHNAPPA, M. V., Deputy Minister for Food and Agriculture, Govt. of India. b. 1918; *Educ.*: Joined school at a late age; after release from imprisonment for 2½ years in the 'Quit India' movement, passed M.A. Exam.; joined Madras Law Coll. Elected M.L.A., Mysore, 1944; Chief Whip, Congress Party, Mysore State Assembly, 1944-52; ex-Pres., Mulbagal Development Ctee.; Pres., Co-operative Multi-purpose Society, Mysore State; Dir., State-managed Bhadravati Iron, Steel and Cement Works, for 5 years; member, Dist. Board for 8 years; Secy., Reception Ctee., Bangalore Session of the A.I.C.C.; returned to the House of the People from Kolar Gold Fields Constituency, Mysore State; Parliamentary Secy., Govt. of India, 1952. *Address*: Deputy Minister for Food and Agriculture, New Delhi.

KRISHNASAMY, Dr. Asvat, M.A. (Cantab.), Ph.D., Bar-at-Law, M.P., Advocate, Supreme Court of India, New Delhi. b. 1914, only s. of Sir A. Ramaswamy Mudaliar; m. in 1946; three s. and one d.; *Educ.*: Took the Honors degree in English literature from Madras Christian Coll.; King's Coll., Cambridge; London School of Economics. Practised at the Madras bar; member, Corporation of Madras, where he established a reputation as an outstanding speaker; took to politics,

1940; was mainly responsible for floating an English daily newspaper in Madras *The Liberator* and continued to be its leader writer till the end; was returned to the House of the People from Chingleput; is conspicuous as an outstanding critic of the Govt. *Publications*: *Indian Constitution*, 1933; articles to many economic journals. *Recreation*: Reading. *Club*: Cosmopolitan Club, Madras. *Address*: 9, Munlappa Road, Kilpauk, Madras.

KULKARNI, Shankar Balwantrao, A.M., F.R.S.A., Chief Artist, Madhya Pradesh Education Department, Nagpur. b. Oct. 15, 1906; m. Nalinibai; *Educ.*: Nagpur and Bombay. Was a leading artist and designer in Sind till partition; Founder, Oriental Institute of Fine Arts, and responsible for two All India Art Exhibitions at Karachi; published his paintings, illustrations and commercial designs in most of the important journals of India and Pakistan; was Cartoonist to the *Sind Observer* and the *Daily Gazette*; recipient of several awards and gold medals. *Publications*: Contributed several articles on art and history to various journals; *Children's Picture Album*; *Heroines of Shah*; *Drawing Course*. *Recreations*: Collection of art library and Indian art curios. *Address*: Subhas Chandra Road, Nagpur City.



KULKARNI, Trimbhak Appaji, B.A., S.T.C.D., Gen. Secy., Social Service League, Bombay; Secy., Bombay Pres., Social Reform Assoc. b. Sept. 5, 1882, m. Dr. Chandubai Kulkarni, M.B.B.S.; *Educ.*: Wilson Coll., Bombay; Secondary Teachers' Training Coll., Bombay. Principal, D.G.T. High School, Bombay, 1912-24; founded Gokhale Education Society, 1918; Principal, Hansaraj Pragni Thackersey College, Nasik, 1924-47; Fellow, Bombay Univ., 1926-46; Secy., Bombay Presidency Released Prisoners' Aid Society, 1921-24; organised District Congress Ctees. in Bombay City, 1915; Secy., National Social Conference, 1916; started political movement in Bhor State, 1920; Pres., Bhor Praja Parishad, 1932; Agricultural Research Work in Jute Fibre, 1933-47; Secy., Maharashtra Social Conference Executive Ctee.; Chairman: Gokhale Education Society; C. K. P. Bank, Dadar. *Address*: Sharda Mandir, Choubal Lane, Vithalbhai Patel Road, Bombay 4.

KULKARNI, Uddhav Hanmant, G.D.A., Public Accountant and Auditor. b. Nov. 28, 1906 in Satara Dist.; m. Kamaladevi Herliker in 1934; 3 d.; *Educ.*: Aundh State and Bombay; passed Matriculation (1925) with distinction in Sanskrit and



Mathematics; G. D. A., 1931 (Diploma in 1936). Joined Singer Sewing Machine Co. as Salesman; Articled Clerk with C. H. Sopariwala & Co. for some time; after completing his Diploma in 1936, started his own Company as Public Accountants & Auditors, under name of "U. H. Kulkarni & Co.", at Bombay; has earned reputation as Income-tax Expert and Accountant. Takes keen interest in games. *Address*: Commissioner Building, 231, Hornby Road, Bombay.

KUMARAPPA, Joseph C., M.A. (Columbia), B.Sc., Business Administration (Syracuse, N.Y.), F.S.A.A. (Lond.). b. Jan. 4, 1892. Was in practice as an Incorporated Accountant in partnership in London, and then at Bombay;

in charge of "Young India", May 1930—Feb. 1931; was Convener of the Congress Select Office, which issued a report on the Financial Obligations between Great Britain and India; Managing Ctee., Bihar Central Relief Office, and also its Financial Adviser, 1934; Organiser and Pres., the All-India Village Industries Assoc.; Chairman, M. P. Govt. Industrial Survey Ctee., 1939-41; Chairman, Congress Agrarian Reforms Ctee., 1948-49. *Publications*: *Public Finance and our Poverty*; *A Survey of Madras Taluhs*; *Why the Village Movement?*; *Practices and Precepts of Jesus*; *Christianity—its Economy and Way of Life*; *Economy of Permanence*; *The Philosophy of Work*, *Gandhian Economic Thought*, *Gandhian Way of Life*, etc., *The Nation's Voice* (as Joint Editor). *Address*: Maganvadi, Wardha, M.P.

KUMARAPPA, Jagadisan Mohandas, M.A. (Harvard), S.T.B. (Boston), M.A., Ph.D. (Columbia), Director, Social Education Organisers' Training Centre at Himayatsagar, Hyderabad-Dn., since June 1953; Editor, *The Indian Journal of Social Work*. b. April 16, 1886; m. Ratnam Appasamy, B.A. (Madras), M.A. (Punjab), First Indian Educationist to be invited on a Cultural Mission to the U.S.A. as a State Guest by the American Government, 1944; *Educ.*: Harvard, Boston and Columbia Univs., specialised in Philosophy, Sociology and Education. Prof. of Philosophy, Lucknow Christian Coll., 1915-21; Reader in Philosophy, Lucknow Univ., 1921; member, Institute of International Politics, League of Nations, Geneva, 1926; travelled extensively in Europe and America; Prof. of Philosophy and Sociology, Mysore Univ., 1931; Prof. of Social Economy, Tata Institute of Social Sciences, 1936 and its Dir., 1941; Leader, Indian Delegation, International Conference of Social Work, 1948; member: Expert Ctee. on Criminology, U.N., 1949; Member, Social Welfare Panel, Planning Commn., Govt. of India; Member, Rotary Club, Bombay; Vice-Pres., International Conference of Social Work; Treasurer, Indian Conference of Social Work; Ex-Director, Tata Institute of Social Sciences. *Address*: Social Education Organisers' Training Centre, Himayatsagar, Hyderabad-Dn.

KUNZRU, Pandit Hirdoy Nath, B.A., B.Sc., LL.D. (Hon.) M.P. (Council of States), President, Servants of India Society, since 1936. b. 1887; *Educ.*: Allahabad Univ.; London School of Economics. Joined the Servants of India Society, 1909; member: U.P. Leg. Council, 1921-23; Central Leg. Assembly, 1927-30; Indian Constituent Assembly and the Provisional Parliament; Pres., East African National Congress, 1920; National Liberal Federation, 1934; Chairman, Indian Delegation to the second British Commonwealth Conference; member, States Reorganization Commission. *Address*: Parliament Secretariat, New Delhi.

KURIYAN, George, B.A. (Madras), B.Sc. (London), Ph.D. (London), Professor of Geography, University of Madras, since Oct. 1949. b. Nov. 11, 1907, 3rd s. of Dr. K. C. Kuriyan, B.A., M.B. & C.M.; m. Mary, nee K. E. Chacko; two s. and one d.; *Educ.*: O. M. S. Coll., Kottayam; Maharajah's Coll., Trivandrum; Univ. Coll., London. Lecturer in Geography, July 1932 to April 1948; Reader in Geography, April 1948 to Oct. 1949; Visiting Prof., Univ. of Pennsylvania, Philadelphia, U.S.A., 1952-53; Vice-Pres.; International Geographical Union, 1948-56, as the representative for Asia; and Representative of the Govt. of India on the International Commission for Natural Calamities; member, Provisional International Social Science Council of the U.N.E.S.C.O. *Publications*: *Hydro-Electric Power in India*, a *Geographical Analysis*; a large number of articles in the *Indian Geographical Journal* and in the *Indian Science Congress Association*. *Recreations*: Tennis, Chess, Bridge. *Clubs*: The Freemasonry Club, Madras Cricket Club. *Address*: "Well Close," 73, Peter's Road, Madras 6.

KURUP, G. Sankara, 'Vidvan' (First Class) (Madras Univ.), 'Kavithilakam'—conferred by the Maharaja of Cochin, Malayalam Professor, Maharaja's College, Ernakulam. b. June 1901, s. of Sankara Warrior and Lakshmi Kutty Amma; m. P. Subhadra; one s. and one d.; *Educ.*: mostly privately after High School Course. Joined service as teacher, 1921; served in High Schools; Govt. Training Institution; began publishing poems from the seventeenth year; Editor, *Kavitha* for about four years; Editor, *Parishat Dvi Masikam*—the organ of the Pan Kerala Literary Academy. Publications: Poems: *Sahitya Kavukam* (in four volumes), *Poojapushpam Vanagayakan Suryakanti*; *Navathithi*; *Muthukal Ithalukal*, etc.; Translations: *Meghachaya* (a rendering of Kallidasa's Megha Dutha); *Vilasatahari* (Kobayashi of Omar Khayyam); One Act Plays: *Pruthin-munpu*; *Sandhya*; *August Fifteenth*, etc.; Prose: *Gadyopaharam*; *Lekhamala*; *Rakhtyilukal*; *Rajanandini*; Biography: *Hyder Ali*; *Tippu Sultan*, etc. Recreation: Chess. Club: P.E.N. Address: Maharaja's College, Ernakulam.

KUSHALAPA, B. S., B.A., Dip. in Ed. (Lond.) Speaker, Coorg Legislative Assembly. b. March 8, 1896; m. Smt. Ponnappa, d. of C. N. Muthana, Bar-at-Law; two s. and five d.; *Educ.*: Madras and London. Retired as the Principal, Govt. Coll., Coorg; joined politics and elected on Congress ticket. Publications: Number of text books. Recreations: Gardening; own coffee estate. Club: Rotary Club. Address: 'The Island', Mercara, Coorg.

KUTCH: H. H. Maharaja Dhiraaj Mirza Maharao Shri Madansinhji Savai Bahadur, Maharao of. b. Oct. 12, 1900; m. Maharaj Kunvari Shri Rajendra Kunver Ba of Klehangarh; three s. and two d.



Heir-Apparent, Maharaj Kumar Shree Prithvirajsinhji is receiving education at Doon School, Dehra Dun; *Educ.*: Privately. Transferred the administration of Kutch State to the Govt. of India on June 1, 1948, on the advent of the independence of India on August 15, 1947 and in pursuance of the policy followed by Rulers of the unification of their States with the Indian Union; has been given a fixed Privy Purse in perpetuity; has been guaranteed by the Govt. of India the same personal rights, privileges, dignities and titles as he enjoyed as Ruler of Kutch, prior to 1st June 1948; has travelled widely in Europe, U. S. A. and Africa; has now been appointed in the Indian Foreign Service and has joined the Indian High Commission with Hon. rank of Minister; is keenly interested in Indian philosophy; is a tennis player of note. Recreations: Riding; Pigsticking; Shikar. Address: Bhuj, Kutch.

LAD, Purnashettam Mangesh, B.A. (Bom.), M.A. (Cantab.), Bar-at-Law, I.C.S., J.P. (since 18 Aug., 1949), Secretary, Ministry of Information and Broadcasting, Govt. of India. b. March 29, 1905, s. of Mangesh Atmaram and Shantabai Lad; m. Manik, d. of S. K. Patkar; one s., Girish and one d., Gauri; *Educ.*: Sawantwadi High School, Sawantwadi; Chikitsaka Samuha High School, Bombay; Elphinstone Coll., Bombay; Gonville and Caius Coll., Cambridge. Assistant Collector; Asst. Judge; called to the Bar; District Judge; Secy., Legal Dept., and Remembrancer of Legal Affairs, Bombay. Publications: Books in Marathi: *Madhuparva* and *Kritika*. Recreation: Playing with children. Address: Secretariat, New Delhi; 'The Land End House', Ratnesh Road, Malabar Hill, Bombay.

LAHRI, Mr. Justice Surajit Chandra, M.A., Judge, High Court, Calcutta. b. June 10, 1901, s. of Ranajit Chandra Lahri; m. Suprava Devi; one s. and four d.; *Educ.*: Presidency Coll., Calcutta. Advocate, High Court, Calcutta. Recreation: Hiking. Address: 1/3, Rup Chand Mukerji Lane, Bowhanipur, Calcutta.

LAHOTI, Purnamal Surajmal, M.P., Textile Industrialist. b. Aug. 1904, s. of Surajmal Lahoti; m. Smt. Kasturbai; one s.; *Educ.*: Gulbarga. Managing Dir.: M. S. K. Mills Co., Ltd., Gulbarga; Hyderabad (Dn.) Spg. and Wvg. Co., Ltd., Hyderabad; is a veteran Congressman; gave much valuable help to national educational institutions in Hyderabad State; Founder Pres., Rajasthya Vidyalaya; donated Rs. 7 lakhs for the development of national schools at Unarga and Mominabad; donated a building worth Rs. 50,000 for a Girls' Middle School at Latur; runs it himself spending Rs. 1,500 monthly; gave Rs. one lakh for the construction of Commerce and Science Wing in the People's Coll., Nanded. Recreations: Reading; Travelling. Clubs: Poona Club; Gulbarga. Address: M. S. K. Mills Office, Begumpet, Hyderabad (Dn.).

LAL, Kunj Behari Mohan, M.Sc. (Allahabad), M.B.E. (1945), I.F.S., Director of Forest Education and Publicity & Liaison Officer, Forest Research Institute, Dehra Dun. b. Jan. 25, 1907; *Educ.*: Allahabad Univ. and I.F.S. Coll. Dehra Dun. Publications: Working Plans for Simbhar and Nongong and Cachar Divisions. Club: Officers' Club, Dehra Dun. Address: New Forest, Dehra Dun.

LAL, Shavar Ardeshir, M.A., LL.B., C.I.E. (1941), Secretary to the President of India, since 1950. b. Nov. 12, 1899, s. of Ardeshir Edulji Lal, Nasik; m. Smt. Coomli, d. of N. N. Master; three d.; *Educ.*: Ferguson Coll. and Law Coll., Poona. Practised law, 1926-30; joined Bombay Judicial Service, 1930; transferred to Legal Dept., Bombay, 1930; Asstt. Secy. to Govt. of Bombay, Legal Dept. 1932-36; nominated member and Secy. of Council of State, 1936-46; Secy. to the Govt. of India, Ministry of Law, 1947-48; Secy. to Governor-General of India, 1948-50. Club: R.W.I.T. Club, Bombay. Address: Rashtrapati Bhavan, New Delhi.

LALBAHAI, Kasturbhai, Millowner and Banker. b. Dec. 19, 1894; *Educ.*: Gujarat Coll., Ahmedabad. Vice-Pres., Ahmedabad Millowners' Association, 1923-26; M.L.A. (Central) (1923-26); delegate to the 12th and 18th International Labour Conference at Geneva, 1929 and 1934; Pres.: Federation of Indian Chambers of Commerce and Industry, 1934-35; Ahmedabad Millowners' Assoc., 1935 and 1936; Dir., Reserve Bank of India, 1937-48; Adviser to the Govt. of India in the Indo-Burma Trade Negotiations, 1940; Chairman, Governing Body of the Ahmedabad Education Society since 1935; member, Scientific and Industrial Research Board since 1942; Pres., Sheth Anandji Kalyanji since 1936; member, Textile Control Board and the Indian Delegation to the Cotton Conference held at Cairo; Representative of the Govt. of India on the Textile Ctee. of the Combined Production and Resources Board, Washington, 1945; Chairman, West Coast Kandla Port Ctee. to the Govt. of India, 1948; leader of the Govt. of India Delegation to Kampala, 1948; Chairman, Industrial Ctee. of Mahatma Gandhi Memorial Fund, 1948-49; Gujarat Famine Relief Ctee., from 1949; Pres., Council of Administration of the Ahmedabad Textile Research Assoc., Ahmedabad and Gujarat Chamber of Commerce, 1950-51; member, National

Advisory Ctee. to Govt. of India on Public Co-operation in the Planning Commission from 1952; headed the Indian Delegation to the International Cotton Textile Industry Conference at Buxton, Manchester, 1952; member of the Senate, Gujarat Univ., Ahmedabad. Address: Pankore Naka, Ahmedabad.

LALBAHAI, Jehangir Ardeshir, F.R.S.A. b. March 3, 1884, p. s. of Khan Bahadur Sir Newrojee Pestonji Vakil, C.I.E.; m. Miss Tehmi Jamsati; Khara of Bandra; *Educ.*: Ahmedabad High School; Elphinstone Coll., Bombay; Sir J. J. School of Art, Bombay and St. John's Wood and Westminster Schools of Art, London. Painted the portraits of Sir Pherozeshah M. Mehta, H. H. the Nawab of Rampur, H. E. Sir Leslie Wilson, H. E. Sir James Sifton and Lord Brabourne; member, Board of Examiners for Art Examinations, Govt. of Bombay, 1917-38; chosen by the Govt. of India to copy Royal portraits in England, 1930; Dy. Director, Sir J. J. School of Art, Bombay, 1931-35; awarded the King-Emperor George V Silver Jubilee Medal, 1935; elected Fellow of the Royal Society of Arts, London, 1949. Address: Studio, 20, Nepean Sea Road, Bombay 6; 31, Davis Road, Richards Town, Bangalore 5.

LALBAHAI, Minocher Darabji, B.A. (Hons.), LL.B., Bar-at-Law, J.P., Chief Judge, Court of Small Causes, Bombay, since July 1949. b. Aug. 3, 1894, only s. of Darabji Curesoji Lalkaka; m. Tehmina Nusserwanji Lawyer; two d.; *Educ.*: New High School, Bombay; Elphinstone Coll., Bombay; Barrister of Middle Temple, London; Fellow of Elphinstone Coll., Bombay, 1915-16. Joined the Original Side, Bar of the Bombay High Court, 1921; Examiner in Law to the Bombay Univ., 1924-28; appointed Judge of the Court of Small Causes, Nov. 1929; officiated as Chief Judge, 1947, 1948 and 1949; judge in the "Slides" section of the All-India exhibitions of the Photographic Society of India; Pres., Photographic Society of India, 1953-54. Recreations: Photography; Amateur Cinematography (Photographs exhibited at several exhibitions of the Royal Photographic Society, London, the Bombay Art Society, etc.). Club: Cricket Club of India. Address: Meher Manor, 23-B, Perry Cross Road, Bandra, Bombay 20.

LALL, Mr. Justice Brij Mohan, B.A. (Hons.) (Punjab), LL.B. (Allahabad), Judge, High Court, Allahabad, since 1950. b. June 15, 1896; m. Smt. Malti Devi; three s.; *Educ.*: Govt. Coll., Lahore; Univ. Law Coll., Allahabad. Practised at Bar, 1918-23; held various appointments in State Judicial Services of U.P. ranging from Muniff to District Judge, 1923-48; Judicial Secy. and Legal Remembrancer to U.P. Govt., 1949-50. Address: 12, Albert Road, Allahabad.

LALL, Diwan Chaman, B.A. (Oxon.), Bar-at-Law, M.P. (Council of States), Ex-Ambassador of India in Turkey. b. Oct. 30, 1892, s. of Diwan Bahadur Diwan Daulat Rai, C.I.E.; m. Dr. Helen Khan, M.B.B.S.; three s.; *Educ.*: Jesus College, Oxford; Barrister of Middle Temple, London; Paris. Started as a journalist; was editor of *Coterie*, London, quarterly of Art & Literature; Asstt. Editor and chief leader writer, *Bombay Chronicle*; founded the A.I.T.U.C., 1920; Pres., A.I.T.C., 1927; a Labour Leader of India; Pres., Federation of Posts and Telegraphs Unions, All India Telegraph Workmen's Union, All India Postal and R.E.S. Union, All India Press Workers' Union, N.A.W.F.P. Railway Workmen's Union, and N.P.P. Railway Union; led the Indian Delegation to I.L.O. Conference at Montreal, 1946; member, Parliamentary Delegation to Canada, 1928; M.L.A. (Central), 1924-31 and 1944-46; member, Constituent Assembly of India, 1946-48; M.L.A., Punjab, 1937; member, A.I.C.C. since 1938; led a Govt. of India Food Delegation to Argentina, 1946; Indian Ambassador to Turkey, 1948-50;

went to Kenya to defend Jomo Kenyatta of the Kenya African Union. *Publications:* Author of *Cooke—The Story of Capital and Labour in India*—(2 Vols.). *Recreation:* Public speaking. *Address:* 8, Windsor Place, New Delhi.

LALL, Krishna Behari, I.C.S., Chief Controller of Imports and Exports, Ministry of Commerce and Industry, Govt. of India, since Nov. 1952. *b.* May 30, 1915, *s.* of C. B. Lall and Mrs. C. B. Lall; *m.* Smt. Indrani Devi, *d.* of late Mr. Justice Ganga Nath; *Educ.:* St. Stephen Coll., Delhi; School of Oriental Studies, London; Univ. Coll., Oxford. Served in M.P. as Asstt. Commr.; Officer-in-charge, Court of Wards, Raipur (took interest in Aboriginal Tribes); Dist. Magistrate; Dy. Dir. of Food Supplies; Food Secy. to State Govt., 1944; transferred to Govt. of India; Dy. Secy., Ministry of Commerce; Dy. Secy., Partition Secretariat; Secy., Delhi Emergency Ctee.; dealt with post-partition disturbances and participated in Inter-Dominion Conferences on Evacuee Property; took over charge of Alwar Administration, Feb. 7, 1948; Administrator, former United State of Matsya (1948-49); organised scheme of semi-mechanised co-operative cultivation for rehabilitation of refugees; Chief Secy., M.B. (1949-52); integrated Services and reorganised administration on provincial model. *Address:* 2, Ram Kishore Road, Civil Lines, Delhi.

LALL, Shamaldharae, C.I.E. (1941), I.C.S., Assistant Secretary-General, United Nations, since March 1950. *b.* Oct. 1894, *s.* of Tilakdharae Lall; *m.* Malina Shaw, 1921; two *s.* and three *d.*; *Educ.:* St. Xavier's College, Calcutta; Scottish Churches College, Calcutta; Exeter College, Oxford. Joined Indian Civil Service, 1919; served as Asstt. Collector to the Govt. of Bihar & Orissa; Director of Industries and Labour, Govt. of Bihar and Orissa; Secy. to Govt. of Bihar and Orissa, Education and Development Dept.; Deputy High Commissioner for India, London, 1938-44; Officiating High Commissioner for India, London, 1941-42; elected Chairman, Governing Body of I. L. O., 1948-49; Secretary, Ministry of Labour, Govt. of India, 1948-50; has also acted as Secretary-General, Aug. 1950. *Recreations:* Tennis, Squash, Polo. *Address:* New Delhi; Bhagalpur, Bihar.

LANGHAMMER, Professor Walter, Graduated from Academy of fine arts and University of Vienna in 1927. Art Director, *The Times of India*. *b.* April 19, 1905, *s.* of Mr. & Mrs. Karl Langhammer, Graz, Austria; *m.* Kaethe Urbach; *Educ.:* Graduated from Academy of Fine Arts and Univ. of Vienna, 1927. Professor of painting, Vienna, 1927-38; came to India, 1938; awarded several prizes and medals at exhibitions in India and abroad, including Gold Medal and twice Governor's Prize, Bombay; member, Managing Ctee. of the Bombay Art Society and Jehangir Art Gallery; member of several Govt. Ctees. for Art Education in Bombay. *Publications:* Several articles on Prof. Lgh's paintings in foreign Art Magazines, latest one: Valhagen & Kiasing's Monatshefte, Feb. 1953, Germany. *Recreations:* Bridge, Photography, Motoring. *Clubs:* Rotary Club of Bombay; Bombay Gymkhana; Lansdowne Club, London. *Address:* Patel Manzil, 20, Nepean Sea Road, Bombay 6.

LASE, The Right Rev. William Quinlan, B.A. (1927), M.A. (1932), Bishop of Bombay. *b.* February 6, 1905; *Educ.:* Tonbridge School; Emmanuel College, Cambridge; Westcott House, Cambridge. Curate of St. Mary's Portsea, 1928-1932; member of Christa Seva Sangha, Poona, 1932; Professor, Sir Parasharambhau College, Poona, 1933-34; Acharya, Christa Prema Seva Sangha, 1934; consecrated Bishop of Bombay, August 10th 1947. *Publication:* *Christian Mysticism*. *Address:* St. John's House, Colaba, Bombay 6.

LASKARI, Sheth Durgaprasad Shambhuprasad, Landlord, Banker and Mill Agent. *b.* June 4, 1892, in the family of Sheth Becharadas Laskari, then mill agent of Becharadas Spg. & Wvg. Mills Co., Ltd., Ahmedabad; *m.* Smt. Vijaya Gauri; seven *s.* and three *d.* Took over the entire charge of the management of Becharadas Spg. & Wvg. Mills Co., Ltd., after the demise of his father, 1914; directed all his energies towards the progress and betterment of the mills; has developed contacts with several other textile industries in Ahmedabad and Bombay; director on the Board of Management of several industrial concerns, mills as well as a bank. *Address:* "Durgesh", Shahibag, Ahmedabad.

LASKARI, Sheth Hariprasad Durgaprasad, Landlord, Banker and Mill Agent. *b.* Sept. 11, 1909, in the Laskari family at Ahmedabad, *d.* *s.* of Sheth Durgaprasad Shambhuprasad Laskari. Director in several leading industrial concerns; has contributed in a great measure towards the progress of the Becharadas Spg. & Wvg. Mills Co. Ltd. *Address:* "Durgesh", Shahibag, Ahmedabad.

LASKARI, Sheth Suryakant Durgaprasad, Landlord, Banker and Mill Agent. *b.* Nov. 17, 1916, in the Laskari family at Ahmedabad, 2nd *s.* of Sheth Durgaprasad Shambhuprasad Laskari. Has extensively travelled in England, France, America, Japan and other countries; has been benefited by his foreign tour by acquiring a good knowledge of the textile industries, which has enabled him to put the Becharadas Spinning and Weaving Mills Co., Ltd. on a sound footing. *Address:* "Durgesh", Shahibag, Ahmedabad.

LATIF, M. A., Member, Bombay Legislative Assembly. *b.* Feb. 14, 1900. Participated in Home Rule Agitation, 1914, anti-Rowlatt Act and Khilafat Movement, and 1942 Quit

India Movement; Organising Secy.: A.R.P. Indian Division, Mahim Health League; Member: Civil Defence Ctee.; G Ward Rationing Ctee.; Mahim Goodwill Assoc.; Hon. Inspector under the Hoarding and Profiteering Act; elected to the Bombay Municipal Corporation from Mahim-Dharavi as an independent, 1948; later joined the Municipal Congress Party; member: Standing Ctee., 1948-52; Law, Revenue and General Purposes Ctee., 1948-52; its Chairman, 1950-51; Grants-in-Aid Ctee.; on the Board of Management of V.J.T. Institute; J. Wadia Hospital for Children; King George Memorial Hospital for destitutes; member and ex-Vice-Chairman: Bombay Port Haj Ctee.; elected M.L.A. (Bombay) on Congress ticket from Mahim-Dharavi Constituency in the 1952 General elections; member, Jails Ctee. *Hobby:* Big game hunting. *Address:* 70, Cadell Road, Mahim, Bombay 16.

LENTAIGNE, Walter David Alexander, I.D.C., P.S.O., C.B. (1947), C.B.E. (1944), D.S.O. (1942). Mentioned in Despatches, 1923, 1927, 1942, 1944, Commandant, Defence

Services Staff College, Wellington, since 1948. *b.* July 15, 1899, *s.* of Hon. Mr. Justice Lentaigne, High Court of Burma; *m.* (1) Susan Catherine Marsden; (2) Hermoine Constance Lascelles; two *s.* and two *d.*; *Educ.:* Oratory School; Cadet College, Wellington. Joined 4th Gurkha Rifles, 1918 on commission; G.H.Q., India Staff Appt., 1938-40; Instructor, Staff College, Quetta, 1940-41; Comd., 1/4 P.W.O. Gurkha Rifles, 1941-42; Bde. Comd., 1942-44; Div. Comd., 1944-45; M. G. Administration, 1945-46; D.M.O., 1947; D.Q.M.G., A.H.Q. (I), 1947; Comdt. Defence Services Staff Coll., 1948; Col. 4th P.W.O. Gurkha Rifles, 1950. *Recreations:* Shooting, fishing. *Club:* U. S. Club, London. *Address:* Defence Services Staff College, Wellington, S. India.

LOHA, J. S., B.Com., LL.M. (Lond.), F.C.A., A.C.A. (Eng.), G.D.A., in business. In the son of late Shri Ummad Singh Lodha, Public Prosecutor, Mewar State. *m.* Smt. Sushila, *d.* of P. S. Khamesra, Ex-General Manager, Rajasthan Railway; *Educ.:* Maharana Coll., Udaipur; S.D. Coll., Cawnpore; Vidyasagar Coll., Calcutta; G.D.A. from Bombay Centre, Holkar Coll., Indore; Kings Coll., London. Worked in the Income Tax and Law Deptt., Scarff & Co., London for one year, was Accounts Adviser, J. K. Group of Industries and also General Secy., J. K. Jute Mills Ltd., Cawnpore, Founder, Bharatiya Sanskrit Parishad, and All-India Cultural Organisation, Calcutta, Pres., Mewar Mitra Mandal; member, Free Masonic Lodge, Calcutta Club, English Speaking Union, National Sports Club of India and many other institutions; Hony. Auditor, Bombay Hospital, Bombay, Vidya Bhawan Society, Udaipur, etc. *Address:* Bharatiya Sanskrit Parishad, 3-B, Wellesley Street, Calcutta 13.

LOHIA, Madanmohan Basantlal, Gen. Manager, The Kolhapur Sugar Mills Ltd. *b.* December 1910, *s.* of Basantlal of Ramgarh (Jaipur); *m.* Sarasvatidevi, daughter of Ramdhandas Nemani; one *s.*; *Educ.:* Marwadi Vidyalaya and St. Xavier's College, Bombay. Took to Commercial line in 1933 under the guidance of his grandfather, Gurdial, went to Kolhapur in 1943 to look after the whole business of the Kolhapur Sugar Mills Ltd., and the United Agencies Ltd.; Managing Director, Rula Industries Ltd.; Director, The Union Bank of Kolhapur Ltd., The Yeshwant Iron & Steel Works Ltd.; member, The Rotary Club of Kolhapur; has travelled widely in India; Vice-Pres., Prince Shivaji Education Society and New Education Society, Kolhapur; member, Governing Council of the Vidyapeeth Society, Kolhapur. *Clubs:* Shri Laxmi Gymkhana; Residency Club; Deval Club; Panhalol Club; Kolhapur Sports Assoc., Kolhapur. *Address:* Sykes Extension, "Prabhu Chhaya," Kolhapur.

LOHIA, Dr. Rammanohar, General Secretary, Praja Socialist Party. *b.* 1910; *Educ.:* Bombay, Calcutta; went to Germany where he obtained his doctorate in political philosophy. At the age of 14 attended the Gaya Congress as a delegate; after returning from Germany became leader of the Congress Socialist Party; was Editor, *Congress Socialist* till 1939; organised the Foreign Department of the A.I.C.C. at the invitation of Mr. Nehru; developed relations between the Congress and progressive forces in different European countries; set up a separate branch to look after the interests of Indians overseas; elected to the A.I.C.C., 1936; prosecuted for sedition in Calcutta, 1938; arrested and imprisoned for two years for anti-war speeches, 1940; took a leading part in the Quit India Movement, 1942; arrested again in 1944; member, National Executive and Foreign Affairs Ctee.

of the Praja Socialist Party. *Publications*: Several books among them *Third Camp in World Affairs*; *Himalayan Policy for India*; *Aspects of Socialist Policy*; *Fragments of a World Mind*. Address: P.S.P. Central Office, National House, Apollo Bunder, Bombay 1.

LOKANATHAN, Palamadai S., M.A. (Madras), D.Sc. (Econ.), London, Gokhale Prize in Economics, 1921. Executive Secretary of the United Nations Economic Commission for Asia and the Far East; b. Oct. 10, 1894; Educ.: St. Joseph's Coll., Univ. of Madras, London School of Economics, Univ. of London. Reader in Economics and later Ag. Prof. of Economics in the Univ. of Madras; Editor, "Eastern Economist", New Delhi, 1943-47; member, Labour Adv. Board, Govt. of Madras, 1925-29; member, Consultative Cttee. of Economists; delegate to the World Business Conference, Rye, New York, 1944, and of the Pacific Relations Conference, Hot Springs, America, January 1945; Secy., Indian Industrialists Mission to U.K. and U.S.A., 1915; Indian Delegate to the Preparatory Cttee. of International Trade Conference, London & Geneva; Pres., Triplicane Urban Co-op. Society, 1942-43; for some time member of the Senate, Academic Council, Madras Univ. and of Boards of Studies in Economics in the Universities of Madras, Travancore, Annamalai and Andhra. *Publications*: *Industrial Welfare in India*; *Industrial Organisation in India and India and Post-War Reconstruction*. Address: Executive Secretary of the U.N. Economic Commission for Asia and Far East, Parutskawan Palace, Rajdamnorn Avenue, Bangkok, Siam.

LOKUR, Narayan Swamirao, B.A., LL.B. Was Chairman: Air Transport Licensing Board, New Delhi; Election Tribunal, Lucknow. b. April 21, 1887; m. Damayantibai (now Laxmibai) Jalihal; Educ.: Deccan Coll., Poona, and Govt. Law School, Bombay. Practised as pleader at Belgium for some time; was Govt. Pleader and Public Prosecutor, Belgium; Asstt. Judge, 1918-21; District and Sessions Judge from 1925; High Court Judge, 1939-40 and 1942-47; Chief Justice, Joint High Court for Kolhapur and the Deccan States, April-August 1947; Chief Justice, Kolhapur High Court, 1947-49; was Chairman, Bombay Cttee. for the Separation of the Judiciary and the Executive; Provl. Scout Commr., Bombay; Pres., Rly. Rates Tribunal, 1949-53; member, Labour Appellate Tribunal, 1950-53. *Publications*: Annotated editions of *Janakiharman*, *Buddha-Charita* and *Selections from Mahabharata*, with Sanskrit Commentaries. Address: 'Adyar House', Adyar, Madras 20.

LOYALKA, Chiranjilal Ramchandra, Merchant and Landlord. b. 1901, only son of Ramchandra Bhagwandas Loyalka. Director, Regent Estates, Ltd., Rastriya Ayurvedic Pharmacy Ltd., Jaipur and Shuddha Vastu Bhandar Ltd., Bombay, and Proprietor of the firms of Messrs. Bhagwandas Ramchandra and C. B. Loyalka. For some time Hon. Secretary of the Rajputana Shikshamandal, Bombay. Hon. Treasurer of the Bombay Presidency Boy Scouts' Assoc. till 1939; Hon. Treasurer, Bharat Scouts and Guides, Bombay State. Sometime member of Committee of Indian Merchants' Chamber; Director of the East India Cotton Association, Ltd. in 1936; Member of the Bombay Municipal Corporation from 1935-39; President of the All-India Cow Protection Conference at Muttra in 1939 and at Nagpur in 1940; Vice-President of the All-India Varnashram Swaraj Sangh; President, Dharma Sangh and Kamraj Parishad, Bombay; Member of

the Jaipur State Constitutional Reforms Committee. Address: Stock Exchange New Building, Fort, Bombay.

LUIZ, A. A. D., M.L.A. (Travancore-Cochin), Landlord, Merchant and Banker. b. 1913; Educ.: St. Joseph's, Calicut; Bangalore and Madras Law Coll. Proprietor, Luiz & Co., Luiz Tea & Rubber Estates, Saw Mills; Executive Member, Congress Leg. party; served in the Army winning distinctions as first-class rifle shot, 1933; first Anglo-Indian elected to Ernakulam Municipality, 1937; nominated to State Assembly representing Anglo-Indians, 1952; as an active Legislator, has pleaded for developing Secular State, necessity of progressive taxation and protection of minorities, has been actively promoting eleven free Primary Schools; serves on advisory bodies for High Schools and Colleges; is an Executive of the Red Cross; Pres. of several societies. Address: P.O. Box No. 72, Ernakulam.



LYKKE, H. E. Mr. Kaut, Minister Plenipotentiary for Norway in India, since 1952. b. Nov. 20, 1904, s. of Ivar Lykko and Petra Anker née Backke; m. Hertha Margarete Solled; three s.; Educ.: Univ. of Oslo, Cand. Jurist, 1928; entered Norwegian Foreign Service, 1929; Served in U.S.A., Belgium, Germany, Foreign Ministry, Oslo, Montreal, New York; Counsellor of Embassy, Washington, 1945; Minister to Belgrade, Budapest and Bucharest, 1948; Minister to Colombo, 1952. Address: 29, Hotel Cecil, Delhi 8.

MACK, Mr. Justice Edmund Elmar, B.A. (Hons.) (Oxon.), Bar-at-law, I.C.S., Judge, High Court, Madras, since April 1948. b. May 2, 1896, s. of William Edmund Mack, Classical Lecturer, Wesley College, Colombo, and Ethel Sophia (née Loos); m. Eileen O'Donoghue; Educ.: Wesley College, Colombo; Wadham College, Oxford; Gray's Inn. Entered the Indian Civil Service and allotted to the Madras Presidency, 1919; served as Asstt. Collector and Sub-Collector till 1927; District & Sessions Judge, Grade I at Bellary for nearly 7 years during which period he was Addl. Judge of the Court of the Resident of Hyderabad; District & Sessions Judge till April 1948. *Recreations*: Tennis and Golf. *Clubs*: Madras Cricket Club; Madras Gymkhana; Ooty Gymkhana Club; Kodalkanal Club. Address: The Lee, Sterling Road, Madras.

MACMAHON, Gerard John, B.A., U.K. Senior Trade Commissioner and Economic Adviser to U.K. High Commissioner in India. b. Sept. 26, 1909, s. of Jeremiah MacMahon and Kathleen M. Dodd; Educ.: Clongowes Wood Coll., Ireland and Emmanuel Coll., Cambridge. Entered Board of Trade, 1933; Asstt. Secy., 1942. *Recreation*: Golf. *Clubs*: Delhi Gymkhana; Reform (London). Address: 2, South End Road, New Delhi.

MADAN, Mr. Janardana Atmaram, Kt., B.A., C.S.I., C.I.E., I.C.S. (Retd.), Chairman, Bombay Provincial Co-operative Institute. b. Feb. 12, 1885; m. Champubai, d. of late H. P. Pitale, J.P.; Educ.: Elphinstone College, Bombay, Oxford (B.A.), and Cambridge. Assistant Collector in Bombay, 1909; Collector and Registrar of Co-operative Societies, 1920; M.L.C., Bombay, 1925; Joint Secretary of the Royal Commission on Agriculture in India, 1926-28; Collector and District Magistrate, Bombay State, 1928-29; Chairman, Provincial Banking Inquiry Committee, Bombay, 1929; Director of Labour Intelligence and Commissioner, Workmen's Compensation, Bombay, 1930; Secretary to Government, Revenue Dept., 1934; Commissioner, Southern Division, Bombay State, 1936; Adviser to H. E. The Governor of Bombay, Nov. 1939—April 1942;

Chairman, Pub. Ser. Commn., Bombay, April 1942-Aug. 1947; Chairman, Saurashtra Pub. Ser. Commn., April 1948-Jan. 1950; Chairman, Saurashtra Agrarian Reforms Commission, June-Dec. 1950. Address: 28, Altamont Road, Bombay.

MADANGOPAL, Kabra, Industrialist and Business man, Jodhpur. b. July 23, 1903, at Kuchaman. Partner, Rajasthan Traders, Jodhpur; Sole Distributor for Skoda Cars, Zetor Tractors for Rajasthan and Madhya Bharat and distributors of Skoda, Lorenz and Bernard Engines and pumps, etc.; Secy. and Director, Marwar Industries Ltd., Jodhpur; Director: Kuchaman Electricity Company Ltd.; Pal Electricity Co., Ltd.; Phalodi Electricity Co., Ltd.; Marwar Oil Mills Co., Ltd., Jodhpur; General Secy., Rajputana Provincial Maheshwari Sabha, 1930; Pres., All-India Motion Picture Conference held at Lahore, 1939; Managing Director, Film Corporation of India Ltd.; Producer of the picture 'Chitra Lekha', 1941; elected member, Marwar Representative Advisory Assembly, 1942-44; member, Marwar Legislative Assembly, 1947; Editor, "Rashtra Pataka", illustrated Hindi Weekly from Jodhpur, 1947-48; Secy., Marwar Chamber of Commerce, 1947-48; Marwar Seva Mandal, 1942-45; Marwar Praja Parishad, 1948-49; Vice-Pres., Rajasthan Chamber of Commerce and Industry, 1951; member, former B. B. & C. I. Rly. Advisory Cttee., Ajmer, 1951; Organiser, Rajasthan All Parties Political Conference, 1951; pioneer in Rajasthan Income-Tax Test Case, 1952; Pres.: Rajasthan Electric Supply Co.'s Assoc., 1952-53; Rajasthan Oil Mills Assoc., 1953; member: Western Rly. Advisory Cttee., Ajmer, 1952; Industrial Advisory Council, Rajasthan, 1953; Convenor, Jodhpur Nagrik Sangh, 1953. Address: Kuchaman House, Jodhpur.



MAHADEVAN, Calamur, M.A., D.Sc. (Madras), F.A.Sc. (1934), F.N.I. (1945), M.A.I.M.E. (1951), University Professor & Head of the Geology Dept., Andhra University, Waltair, since Feb. 1945. b. May 6, 1901, s. of C. Subrahmanyam and Janaki; m. Sathyavathi, d. of V. N. Ramanatha Rao and Srim. Subbalakshmi; two s. and one d.; Educ.: Muthialpet High School; Madras Christian Coll.; Presidency Coll., Madras; D.Sc., Madras Univ.; Research Scholar, at I.A.C.S., Calcutta, under Prof. Sir C. V. Raman, Kt., F.R.S.N.I. Geologist, Hyderabad Geological Survey (1931-45); on deputation to Hyderabad Gold Development (1938-40); Pres., Geology & Geography Section, Ind. Sci. Cong., 1949 (Allahabad); awarded Hyderabad-Travancore Travelling Fellowship by Andhra Univ. and invited by the Board of National Research Councils of U.S.A. to visit American Universities, Jan.-July 1951. *Publications*: About 100 original papers in scientific journals on X-Ray studies, Radio-activity, and Geopolitics and Geology. *Recreations*: Walking, open air life, proto and pre-history. *Club*: Rotary, Vishakapatnam. Address: University Campus, Waltair (S. India).

MAHAJAN, Mr. Justice Mehr Chand, Chief Justice, Supreme Court of India, since Jan. 1954. b. Dec. 23, 1880. Practised as lawyer at Dharamshala, 1913; at Gurdaspur, 1914-18; at Lahore, 1918-43. Pres., High Court Bar Assoc., Lahore, 1938-43; Director, Punjab National Bank, 1933-43; Fellow & Syndic, Punjab Univ., 1940-47; Syndic, East Punjab Univ., 1947-50; Hon. degree of LL.D., Punjab Univ., 1948; Pres., D.A.V. Coll., Managing Cttee.,



1938-43; All-India Fruit Products Assoc., Bombay Session, 1945; Member, Fruit Development Board, Punjab; Judge, Lahore High Court, 1943; Member: R.I.N. Mutiny Commission, 1946; Punjab Boundary Commission, 1947; Judge, East Punjab High Court, 1947; Prime Minister, Jammu and Kashmir State, 1947-48; Constitutional Adviser to His Highness the Maharaja of Bikaner, 1948. Address: 5, Hastings Road, New Delhi

MAHAYANI, Ganesh Sakharam, M.L.C., M.A. (Cantab.), Ph.D. (Cantab.), B.A. (Bom.), Smith's prizeman (1926), Vice-Chancellor, Delhi Univ. since 1953; Ex-M.L.C., Bombay. b. Nov. 27, 1898; m.



Indumati Paranjpye, d. of H. P. Paranjpye and niece of Sir R. P. Paranjpye; Educ.: High School, Satara, Ferguson College, Poona, St. John's College, Cambridge; First in Intermediate (Second Sanskrit Scholar) and the B.A. Examinations, Duke of Edinburgh Fellow.

Went to England as Government of India scholar; returned to India in 1927; appointed Principal, Ferguson College, 1929; Foundation Fellow of the Indian Academy of Sciences, Bangalore, and also of the National Institute of Science, Calcutta; obtained King's Commission, U.T.C.: promoted "Major" (1947 June); elected Dean of the Faculty of Science, Bombay University, 1936, 1937, 1938; non-official civilian member of No. 4 G.H.Q. Selection Board, Jabalpur (Sept. 1943-June 1944); Principal and Professor, Ferguson Coll., Poona, 1929-45; Secy., Deccan Education Society, 1945-47; Vice-Chancellor, Rajputana Univ., 1947-53. Publications: *Lessons in Elementary Analysis for Honours Courses of Indian Universities, The Application of Moving Axes Methods to the Geometry of Curves and Surfaces, An Introduction to Pure Solid Geometry*, and some mathematical publications especially *Contribution to Theory of Ferromagnetic Crystals* (published in the Transactions of the Royal Society, London); some political pamphlets, e.g., *The Liberal Outlook, Liberals and the Congress, The Problem of the Minorities and Constitutional Democracy as its Solution, Education and Democracy and The Defence Problem of India*. Address: Delhi.

MAHAPATRO, Trimath, B.A., B.L., Under Secretary to Govt., Development Dept., Bhubaneswar, Orissa. b. June 13, 1907; m.; has two s.; Educ.: The Ravenshaw College, Cuttack (Orissa); has widely travelled on the continent of Europe, went to London to qualify for the Bar, but returned to India after a brief stay due to outbreak of World War II. Started as a Pleader; was a member of the teaching staff of Rajkumar College, Raipur (M.P.); worked in Gangpur State (Eastern States) in various capacities as Asstt. Diwan, Dist. and Sessions Judge and Offg. Diwan; was deputed on special duty to Hindi State; member of the Standing Committee of Ministers attached to the Rulers' Council, Eastern States; appointed Diwan of Kanker State in July 1944. Absorbed in Madhya Pradesh Government service on Jan. 1, 1948 on integration of the State with Madhya Pradesh. Worked as Extra Asstt. Commr. and Addl. District Magistrate, Yeotmal and on transfer of services to Govt. of Orissa appointed Special Officer, Home Department. Recreations: Tennis and Billiards. Address: P.O. New Capital, Bhubaneswar (Orissa).



MAHENDRA, K. C., B.A. (Cantab.), Chairman, Mahindra & Mahindra Limited, Bombay, Turner, Hoare & Co., Ltd., Bombay, Indian Aluminium Company Ltd., Calcutta, Indian & Eastern Engineer Co., Ltd., Calcutta; Director, Machinery Manufacturers' Corporation; Ex-Partner, Martin & Co., Calcutta; was Head of the India Supply Mission stationed at Washington, U.S.A., 1942-45; Chairman, Indian Coalfields Cttee. of the Govt. of India; Chairman, the Automobile and Tractor Panel and the Prime Movers Panel, 1946-47; member, Central Advisory Council of Industries; Director, Local Board, Western Area, Reserve Bank of India. Director: Former Air India International; Hindustan Aircraft Ltd. Address: Gateway Building, Apollo Bunder, Bombay.



MAHMUD, Dr. Syed, Ph.D. (Germany), Ex-Minister of Development & Transport, Bihar. b. 1889; m. niece of the late Masharuf Haque, Barrister-at-Law; three s. and three d.; Educ.: Aligarh, London, Cambridge and Germany. Started practice as a Barrister at Patna, 1913; non-co-operated at the call of Mahatma Gandhi, 1921; General Secretary, Khilafat Movement, 1921-26; elected General Secretary, Indian National Congress, 1923 and again from 1929-36; member, Congress Working Cttee., 1940-45; was imprisoned four times; Edn. & Development Minister, Bihar, 1937-39; started mass literacy movement in Bihar in 1937 and successfully worked it; was leader of a special mission sent by Govt. of India to Iraq and Iran, 1953. Publications: *Khilafat and England: A Plan of Provincial Reconstruction; Hindu-Muslim Cultural Accord* and several others. Address: Patna.

MAHTA, Dhananath, B.A. (Oxon), F.R.S.A., J.P., O.B.E. (January 1945), Ex-Secretary to the Govt. of Bombay, Agriculture and Forests Department. b. Nov. 7, 1898; m. Kathleen Mary Hastings of London; two s. and one d.; Educ.: Eastbourne, Sussex; Oxford University; Silver Medal by the Royal Society of Arts, London (June 1948); Worked under the Govt. of Madhya Pradesh 1925-37; transferred to the Govt. of India from 1937; was deputed to Egypt and U.K.; travelled widely in Europe; Secretary, Indian Central Cotton Committee; Agricultural Commr., Govt. of Bombay, 1947-48. Publications: *Studies in Cajanus indicus; Rice breeding in the Central Provinces; Grass land problems; Groundnut as a rotation crop with cotton; Harvesting of groundnuts; Cotton growing in India; Recent advances in cotton production; Indian Cotton Position—Past and Present. Recreation: Golf. Club: Willingdon Sports Club, Bombay. Address: Breach Candy House, Warden Road, Bombay.*

MAHTAS, Harekrishna, M.P., Ex-Minister for Commerce and Industry, Govt. of India. b. January, 1900; m. Srimati Subhadra Devi; Educ.: Ravenshaw College, Cuttack. Joined non-co-operation movement, 1921; since then a worker for Indian National Congress; Chairman, District Board, Balaore, 1924-26; was also elected to the Bihar & Orissa Legislative Council, 1924; was in journalism for seven years as editor *Prafatantra*, an influential Oriya daily paper and also *Kachans*; took part in Civil Disobedience Movement, 1930 and 1932; was elected President, Utkal Provincial Congress Cttee. twice, 1930 and 1937; organised the Includi Salt Satyagraha, was imprisoned for 1½ years (1930-31); imprisoned several times in connection with political activities, 1932, 1943, etc.; Member, Congress Working Cttee., 1938-46; Leader, Congress Assembly Party, Orissa; has been largely instrumental in merging the Orissa States with the province of Orissa, Dec. 1947; was President, Orissa States Enquiry Cttee.; donated Rs. 55,000 for the publication of the unpublished works

of ancient Oriya poets, and Rs. 28,000 for the propagation of Gandhi Dharma among the Adibasis of Orissa; Chief Minister, Orissa, 1946-50; was conferred Honorary Degree, Doctor of Literature by the Andhra Univ. in 1950. Publications: Three popular novels; a drama; *History of Orissa*, the only authentic history of the province. Address: Constitution House, New Delhi.

MAI-SWARUP MAI-MERKAND (formerly Rao Sahab M. R. Dhalakda, L.C.E.), Founder and President, "Mother's Lodge". b. Dec. 23, 1885; Educ.: Poona Engineering Coll. Entered Govt. Service, 1921; retired as Dy. Asstt. Consulting Surveyor, Bombay, 1942; served as Spl. Land Acqn. Officer, Karachi, Poona, Bombay and Hubli; after retirement from world has become full-time Mother's servant, since 1945; Hindu Mother's devotee since



twelve, with miraculous experiences and powers; installed Universal Mother Mai, Sept. 9, 1932; convened in Poona Sisters' social in strict purdah of all creeds on Dasera day (Oct. 9, 1932); started Mother's Lodge in Poona, on Gudi Padva Navratra day (March 27, 1933); explained "God as Mother" at All Faiths Conference, Nasik, 1933; delivered speech on "Modern World and Motherhood of God" at Indian Philosophical Congress, Poona, 1934; also convened Sisters' gathering in Madras (on Dasera day) (Oct. 1, 1949); has been conducting Mother's Lodge, an Institute of sisters and brothers with branches and followers in Gujarat, Saurashtra and South, for the propagation of God as Universal Mother through Universal Love and Service, Devotion and unconditional cheerful self-surrender and invoking Mother's Blessing with prayers and worship for universal peace, welfare and relief and Mother's Mercy for individual bliss, peace and prosperity. Publications: *God as Mother; Mai-Poojan; Invitation to join Mother's Lodge; Theory and Principles of Universal Mother movement; Mother and Mother's Thousand Names* (in 2 vols.); *Hindi Mai Prarthana and Mai Gurs Ananya Bhakti; Mother's Message* (English); *Mai Sandesh* (Gujarati); *Mai Saharanama Pathanam* (Marathi); *Thai-Mayi Vaidi* (Tamil); *U.M.'s Message* (Telugu); *Mai-ism* (734 pages), etc. Address: Mother's Lodge (Mai Niwas), Santa Cruz, Bombay.

MAITI, Nikunja Behari, M.A., ex-Minister, Department of Supplies, Government of West Bengal. b. Oct. 1893; m. Srim. Ahalya Maiti; three d.; Educ.: Village schools and Berhampore Coll., Bengal; Calcutta Univ. Served as Headmaster in an English High school; joined the Non-Co-operation movement, 1921; was imprisoned, 1922; imprisoned in Salt Satyagraha, 1930; released on Gandhi-Irwin Pact; was again imprisoned, 1933; elected M.L.A., Bengal, 1936; courted imprisonment by offering individual Satyagraha, 1940; was released, Dec. 1941; was arrested again and imprisoned, 1942-45; was again elected M.L.A. Bengal; chosen as Minister for Education and Irrigation and Waterways Deptts. under the premiership of Dr. P. C. Ghosh which he resigned owing to difference of opinion with him; became Minister in Dr. B. C. Roy's cabinet; now engaged in Congress organisational work in Midnapore Dist. as General Secy. of the party. Address: P-14, Durga Charan Mitra Street, Calcutta.

MAITRA, Manan Kumar, Ph.D. (Lond), D.I.C., A.R.C.S., F.R.I.C., Chief Inspector of Explosives in India. b. Nov. 5, 1901; m. Smt. Karin Hvaler; three s. and two d.; Educ.: Presidency Coll., Calcutta; Imperial Coll. of Science & Technology, London. Joined the Explosives Deptt., Govt. of India, 1930. Publications: Scientific papers contributed to

the "Biochemical Journal" & "Lancet" in U.K. *Recreations*: Tennis; Chess. *Clubs*: Calcutta Club, Calcutta; Gymkhana Club, New Delhi. *Address*: 12, Sardarjang Lane, New Delhi.

MAJHAJ, Lahar Singh, ex-Minister of Relief and Rehabilitation, Punjab (India). *b.* 1902, at Sarai Amanat Khan (Amritsar), s. of S. Asa Singh; m. Smt. Purn Kaur, d. of S. Surain Singh of Trilokha, Amritsar; three s. and two d. *Educ.*: Privately, 1908-14; D.B. Middle School, Padhana, Lahore; Kh. H. School, Ludhiana and Ambala, 1919-21; S. S. Missionary Coll., Amritsar, 1927-29. Joined I.N. Congress, 1923; Jailed for 4 months in Guruka Bagh affair, 1922; Nabha (Jaito morcha) Agitation (2 years); under Sec. 108 C.P.O. for speeches in 1929 (one year); Salt Agitation (one year), 1931-32; for defying Int. Order, 1938 and 1939 (six months each year); attended meeting of Sept. 22, 1942, Quit India Movement and detained in Gujrat Jail (2 years); Gen. Secy., Reception Cttee., Sharn Singh Akali Conf., Atari, Feb. 10, 1938; also elected Secy., Shifromani Akali Dal; Vice-Pres., Darbar Sahib (Golden Temple) Amritsar Cttee., July 24, 1938; Pres., July 1939-49; member, Elec. Board; Ex. Cttee. and Gen. Secy., S.A.D., April 1945; Panthic Board, Sept. 1945; S.G.P.C., May 1948; one of the promoters and Secy., Sikh National Coll., Lahore, 1938-47; started the *Vartman* (Panjab), Amritsar, Sept. 1947; the *Sher Bharat* (Urdu), Amritsar, Nov. 9, 1947; Minister for Relief and Rehabilitation, Sept. 1947-June 1948; Minister for Development, Industries and Civil Supplies, May 1950-Jan. 1951. *Address*: Brook Hurst, Simla 2; Chowk Baba Sahib, Amritsar.

MAJITHIA, Sardar Surjit Singh, B.A., Deputy Minister for Defence, Govt. of India, since Aug. 1952. *b.* Aug. 8, 1912, at Simla, s. of Sardar Sundar Singh Majithia; m. Smt. Kushalpal Kaur, 1932; *Educ.*: Chiefs' Coll., Lahore; Khalsa Coll., Amritsar; Law Coll. and Govt. Coll., Lahore. M.L.A. Central, 1945-47; member, Defence Consultative Cttee., 1945-47; Indian Ambassador to Nepal, 1947-49; Pres., Khalsa Coll., Amritsar; Vice-Pres., Chief Khalsa Diwan, Amritsar; Life-Member, Sant Attar Singh Gursagar Mastana Trust, PEPSU; returned to the House of the People from Tarn Taran (constituency, Punjab). *Recreations*: Wireless transmission, Agriculture, Flying, Sports. *Address*: Majithia House, Amritsar.

MAJITHIA, Sardar Sir Surendra Singh, 'Knight-Bachelor' (1946), Landlord and Industrialist. *b.* March 4, 1895, s. of late Hon. S. B. Dr. Sir Sunder Singh Majithia, Kt., C.I.E., D.O.L.; m. Lady Balbir Kaur Surendra Singh Majithia, d. of General Hazura Singh of Patiala State; *Educ.*: Khalsa Collegiate High School and Khalsa Coll., Amritsar. Senior Managing Partner, Saraya Sugar Factory, Saraya Oil Works, Saraya Distillery, Saraya Dairy Farm, Saraya Surkhi Mill, Sardarnagar and Saraya Chemical Works, Sardarnagar; Fairweathers, Musaffarpur, Bihar; member: Dist. Cttee., Mahatma Gandhi National Memorial Fund, Gorakhpur; Sub-Regional Employment Advisory Cttee., Gorakhpur; Working Cttee., Gorakhpur Univ. Foundation Society; Minimum Agr. Wages Cttee., U.P.; Advisory Cttee. under U.P. Sugar and Power Alcohol Industries Labour Welfare & Devpt. Fund Act, 1950; Cttee. of the Sugar Mills Assoc.; U.P. Tuberculosis Assoc.; Dist. Planning Cttee., Gorakhpur; Chairman: Working Cttee., Maharani Pratap Coll., Gorakhpur; Budha Inter-Coll., Kushinagar; Life Member, U.P. Fruit Devpt. Board, Lucknow; Pres., Rotary Club, Gorakhpur; Dir., Punjab and Sind Bank Ltd. *Address*: Saraya Estate, P.O. Sardarnagar, Dist. Gorakhpur, U.P.

MALAVIYA, Pt. Keshav Deva, M.P., Dy. Minister, Education and Natural Resources and Scientific Research, Govt. of India, since Aug. 1952. *b.* Aug. 11, 1903, in Bharti Bha-

wan, Allahabad; *Educ.*: M.Sc. from the Allahabad Univ., short term Diploma in Oil Technology from the Harcourt Butler Institute, Kanpur, 1929. Joined the Congress movement, 1921, shortly afterwards sentenced to 3 years' imprisonment; courted jail several times and spent more than 9 years in various prisons; member, Provincial Congress Cttee. and its Executive for a long time; was Secy., Congress Parliamentary Cttee., organised the historic election campaign, 1937; has been General Secy., U.P.C.O.; actively participated in the "Quit India" movement and successfully conducted the struggle from underground; was appointed Parliamentary Secy. for Development and Information and also Chief Whip, on the formation of the Congress Ministry, 1946; Minister for Development, U.P.; resigned from the Ministry, Aug. 1951; Parl. Secy. to the Minister for Education, Govt. of India. *Address*: New Delhi.

MALHOTRA, Kartar Singh, M.A., I.A. & A.S., Accountant-General, Posts and Telegraphs, Simla, since Aug. 19, 1952. *b.* 1902; m. Kunti Singh; two s. *Address*: Accountant-General, Posts and Telegraphs, Simla.

MALIK, Chief Justice Bidhabhusan, M.A., LL.B., Barrister-at-Law, Chief Justice, High Court of Judicature at Allahabad. *b.* January 11, 1895, s. of the late Rai Bahadur Chandra Shekhar Malik; m. the late Shrimati Leelavati; two s.; *Educ.*: Central Hindu College, Banaras; Ewing Christian College, Allahabad; Law College, Allahabad; Lincoln's Inn, London. Enrolled as a Vakil, High Court of Judicature, Allahabad, 1919; called to the Bar, Nov. 1923. Appointed to the Judicial Cttee., Banaras State, 1941-44; Special Counsel, Income-tax, 1943-44; Judge, High Court of Judicature, Allahabad, March 1944 to 15th December 1947, thereafter Chief Justice, High Court, U.P. excepting March and April 1949 when acted as Governor, Uttar Pradesh. *Recreations*: Tennis, Golf and Badminton. *Address*: Allahabad.

MALIK, H. E. Wing Commander Sardar Hardit Singh, C.I.E. (1941), O.B.E. (1958), I.O.S., Indian Ambassador, Extraordinary and Plenipotentiary to the Republic of France since Aug. 1949; also Envoy Extraordinary and Minister Plenipotentiary to the Royal Kingdom of Norway, since May 1950. *b.* Nov. 23, 1894 at Rawalpindi (W. Punjab); *Educ.*: Eastbourne College (public school), Eastbourne, England; Balliol Coll., Oxford. Served with French Army on Western Front, 1916, entered the I.C.S. and served in the Punjab, 1922-30; Indian Trade Commissioner at Hamburg, 1933-34; Dy. Secy. and then Joint Secy., Commerce Dept., Govt. of India, 1934-37; first Indian Trade Commissioner to the U. S. A. and Canada, 1938; Prime Minister, Patiala, 1944-47; represented the Government of India at the first and second sessions of the Preparatory Cttee. of the U.N. Conference on Trade and Employment in London, Nov. 1946 and Geneva, April 1947 respectively; leader of the Indian Delegation to the U.N. Conference on Trade & Employment, Havana, Nov. 1947; Member, Indian Delegation to the U.N. General Assembly, Lake Success, April 1949; Pres., I.C.A.O. Assembly, Montreal, 1949; High Commissioner for India in Canada, Sept. 1947-Aug. 1949; Leader, Indian Delegation to the Sixth Session of the U.N. General Assembly held at Paris, 1951-52. *Address*: Indian Embassy, Paris.

MANDAL, Jogenendra Nath, B.L., Ex-Minister, Law and Labour, Pakistan Govt. *b.* 1906; m. Mrs. Kamala Mandal; *Educ.*: Brojomohan College, Barisal and Calcutta University Law Coll.; B.L. in 1938. Joined Barisal Dist. Bar, 1938; elected member, Local Board same year; elected member, Bengal Assembly, 1937; appointed member, District Board, Barisal, same year; elected Councillor, Calcutta Corporation, 1940; formed Independent Scheduled Caste Assembly Party; became

Minister of Co-operative Credit and Rural Indebtedness Depts., April 1943; elected Pres., 1st Provincial Conference of the Scheduled Castes' Federation at Gopalganj, April 1945; elected 2nd time M.L.A., Bengal and became Minister, Judicial, Legislative, Works and Buildings Depts., April 1948; member, Working Cttee., A.I.S.C. Federation and Pres., East Bengal S. C. Federation; Law Member, Interim Govt. of India, Oct. 1946-July 1947, elected member of the Pakistan Constituent Assembly and became its First President in Aug. 1947, Minister, Law and Labour, Pakistan Govt., Aug. 1947-Oct. 1950; resigned Oct. 8, 1950. *Address*: 64, Southern Avenue, Calcutta.

MANGALMURTI, Mr. Justice Keshao Tukaram, B.Sc., LL.B., Punes Judge, High Court of Judicature at Nagpur. *b.* Jan. 7, 1897; m. Malatibai Mangalmurti (nee Indira Paranjape); two s.; *Educ.*: Morris College and College of Science, Nagpur; Emmanuel College, Cambridge. Entered Indian Civil Service, 1923; served as Deputy Commissioner for about 8 months; was Dt. & Sessions Judge for 17 years; Officiating Judge, Nagpur High Court, 1946; Industrial Tribunal, Nagpur, April 1947 to June 21, 1948; was appointed Judge, High Court, Nagpur, June 21, 1948; confirmed as Punes Judge, Feb. 28, 1949. *Address*: 27/1, Elde Range Road, Civil Lines, Nagpur.

MANI, Annakaveer Doraiswamy, M.A. (Madras), Managing Editor, *The Hindu*, Nagpur, since 1938; Pres., A.I.N.E.C. *b.* April 8, 1910; m. Kamala Sivan, M.A., B.T.; one s.; *Educ.*: Wesley Coll. and Presidency Coll., Madras. Worked as editorial apprentice on *New India* edited by Dr. Bhasant, 1930; joined *Hindustan*, 1933; Secy., International Section of the All-India Newspaper Editors' Conference, 1935; Provincial Branch of the Editors' Conference, 1942-48; C.P. Press Advisory Cttee., 1942-49; General Secy., A.I.N.E.C. (Conference, 1949; member, its Standing Cttee. from 1940; Executive of the Indian and Eastern Newspaper Society from 1947; Pres., International Service Cttee. of the Nagpur Rotary Club, 1947-49; member, M.P. & Berar Press Enquiry Cttee., 1943; visited U.S.A., 1951, as guest of U.S. Govt.; Alternate Delegate of India at U.N. General Assembly Session in Paris, 1951-52, Chairman, U.N. Cttee. for Adm. Unions, 1952; Representative on the 3rd Cttee. of U.N. General Assembly, 1952. *Publications*: *Of Yanks and Others Recollections*; Travelling, Filmistry. *Club*: Rotary Club Nagpur. *Address*: Wardha Road, Nagpur.

MANILAL, Kantilal, Millowner. *b.* Oct. 27, 1913. m. Smt. Pushpa Kantilal; one s. and one d.; *Educ.*: Ahmedabad. Director, Jehangir Vakil Mills Co. Ltd., Ahmedabad; Navjivan Mills Ltd., Kalo; Axel Products Ltd., Bombay; Proprietor, Rustom Jehangir Vakil Mills Co., Ltd., Ahmedabad; member: Ahmedabad Millowners' Assoc.; visited foreign countries such as Japan, U.K., and U.S.A. for advancement in the Cotton Textile Industry; adopted in his own mills various new methods after return from his foreign tour; is at present entirely managing the Rustom Jehangir Vakil Mills Co. Ltd. *Clubs*: Shahi-baug Club, Ahmedabad; Gujarat Club, Ahmedabad; Radio Club, Bombay. *Address*: Residence: Shahi-baug, Ahmedabad; Office: Rustom Jehangir Vakil Mills Co. Ltd., Post Box 131, Ahmedabad.

MANNA, Salim, Leading Football player; on the staff of the Geological Survey of India. *b.* Nov. 20, 1924; *Educ.*: Madhusudan Pal Chowdhury School and Ripon Coll., Calcutta. Started early in life senior football career representing Howrah Union, 1939; has been in the Mohun Bagan since 1942, having

captained the team for the last 3 years; represented his State (W. Bengal) and India in almost all the international as well as representative games from 1944; captained touring teams to Colombo and Far East in 1949 and 1950 respectively; was also the skipper of the Indian team to win the championship in the Asiatic games as well as in the Quadrangular Tournament held in Ceylon, 1952; was in the Olympic team for 1948 and was received by late King (George VI) as a mark of appreciation of his skill; captained the Olympic team for 1952; captained Bengal team in National Championship games for four years since 1949 consecutively. *Recreations:* Big game shooting; watching games of Jr. players and training them; Badminton and Volley Ball. *Address:* 130, Madhusudan Pal Chowdhury Lane, Howrah, Calcutta.

MANNADIAR, Major Sardar Chondath Irali Ramanunni, of Chondath House, one of the oldest families of chieftains in Travancore-Cochin. A.D.C. to H.H. the Maharaja of Cochin. Was appointed Commsr. of the Cochin Special Guards during war; first appointed A.D.C. in 1929 to Sir Sri Rama Varma, G.C.I.E. the then Maharaja of Cochin, was Pres. Taluk Recruiting Cttee. Attached to His Majesty's I.T.F. for a long time and was apptd member of Unit Advisory Cttee. of the 13th Malabar Battalion in 1941; during war, rendered voluntary service for a short time and served as a company Commander in the 13th Malabar Battalion and had an attachment in the 3rd Madras Regiment; apptd. as first Vice-Patron of the Boy Scouts Assocn., Cochin State in 1944; recently appointed as Hon. Major in the Cochin State Forces. Awarded title of "Sardar" by H.H. the Maharaja of Cochin on 6th June, 1949. *Address:* P. O. Nallepilly via Palghat, S. Malabar.



MARSHALL, John Robert, Managing Director, Madura Mills Co., Ltd., Madurai, Tuticorin and Ambasamudram and Director, A. & F. Harvey Ltd., The Madura Sugars & Allied Products Ltd., National Machinery Manufacturers Ltd., Travancore Titanium Products Ltd., etc. b. 1907, at Motherwell, Scotland; m. Genevieve Wallace, 1934; one s. and one d. Joined Madura Mills, 1930; member, Cotton Textiles & Cotton Control Cttee.; All India Handloom Board; Chairman, Board of Directors, Pandyan Insurance Co., Ltd. Punalur Paper Mills Ltd., Pandyan Bank Ltd., and India Cements Ltd. *Recreations:* Golf, Tennis. *Address:* Pasumalai Hills, Madurai.

MARKAN Adi, B.A., Proprietor and Editor, *Jams Jamshed*, b. April 19, 1914; m. Silla Bamanji Pudumjee; *Educ.*: Bharda New High School; Elphinstone College. Took up production of plays for the stage, films and radio; Staff Artist in All-India Radio. *Publications:* Plays, Sketches, Short Stories. *Recreations:* Chess, Dramatics, Painting, Conjurings. *Clubs:* Cricket Club of India; Bombay Presidency Radio Club; W.I.A.A. Club; National Sports Club of India. *Address:* Jam-e-Jamshed, Mangalore Street, Fort, Bombay.

MASANI, Dr. Kalkhashree Muncherji, M.D. (Lond.), F.R.C.S. (Eng.), F.I.C.S., M.B.B.S. (Bom.), Consulting Gynaecologist and Obstetrician. b. Feb. 15, 1903; m. Homai, d. of Sorabji S. Engineer; *Educ.*: Sirdar Hoshang Boys' High School, Poona; Grant Medical College, Bombay; St. Bartholomew's Hospital, London. Hon. Asst. Obstetrician, Bai Motilal Petit Hospital, Bombay, 1935-37; joined staff of K.S.M. Hospital and G.S.M. College, Bombay, as Hon. Asst. Gynaecologist,

1937 and Hon. Gynaecologist, 1941; apptd. Hon. Consulting Obstetrician to Nowrojee Wadia Maternity Hospital, Bombay, 1941, and as Hon. Principal Medical Officer, 1945; joined staff of the Bomanji D. Petit Parsee General Hospital, Bombay, as Hon. Gynaecologist and Obstetrician, 1941. *Address:* "La Citadelle", Queen's Road, Bombay.

MASANI, Dr. Kalkhashree Rustomji, M.R.C.S. (Eng.), L.R.C.P. (Lond.), D.P.M. (Eng.), Director, The Indian Institute of Mental Health and Human Relations, since 1931. b. Sept. 3,

1908, s. of Sir Rustom and Lady Monijeh Masani, Bombay; m. Birgit Berthagen (died 1948), d. of Mr. and Mrs. John Berthagen, Lecturers at the Training School for Teachers, Upsala, Sweden, 1938; *Educ.*: Bharda New High School, Elphinstone Coll., Bombay, Univ. Coll. and Univ. Coll. Hospital, Lond.; Resident Clinical Asst., Northumberland House Mental Hospital, London; Physician, British Hospital for Nervous and Mental Diseases, London, 1934-37, qualified in Psychiatry, Diploma in Psychological Medicine, England, 1936, has been engaged since 1937 in consulting and honorary psychiatric work at various Hospitals and Clinics and in private practice, and has been engaged in under-graduate and post-graduate psychiatric teaching at the Grant Medical College, and psychiatric education of students of Social Work at the Tata Institute of Social Sciences; founded the Indian Council for Mental Hygiene, 1943; appointed Prof. of Psychiatry, Grant Medical Coll., Bombay, 1937, Hon. Psychiatrist, J. J. Group of Hospitals, Bombay; Hon. Physician, N.M. Mental Hospital, Thana; Director, Child Guidance Clinic of the Tata Institute of Social Sciences, 1937-46; Prof. of Psychiatry, Tata Institute of Social Sciences, since 1946; Consulting Psychiatrist, Govt. of Bombay, Juvenile Branch, 1944-47; Chairman, Ex. Cttee. of the Indian Council for Mental Hygiene, since 1943; Director, Indian Institute of Psychiatry and Mental Hygiene, 1943-46; Member for Asia, Executive Board, World Federation for Mental Health, 1948-51; U.N. Expert at the Asian Youth Welfare Seminar, 1951, Pres., Indian Psychiatric Society, 1954; Consultant, The Child Guidance Clinic run by the Bombay Presidency Women's Council, 1954. *Publications:* Has contributed many papers and articles in Medical Journals and Journals of Social Work on topics connected with Psychiatry and Mental Hygiene; submitted memoranda on Mental Health topics to the Sir Joseph Bore Health Survey and Development Committee, 1943, to the Expert Committee on Juvenile Delinquency of the Govt. of India, 1951 and the Secondary Education Commission, etc.; contributed a chapter on the "Mental Health of the Nation" in the book on the "Health of the Nation" by Sir Fredrick James, and a paper on "Psychosis or Malingering" with Fredrick Dillon, M.D. in the Journal of Mental Science, London, 1936. *Address:* Cumbatta Chambers, 42, Queen's Road, Bombay 1.



MASANI, Minscher Rustom, B.A. (Bombay), LL.B. (London), Bar-at-Law, Member, United Nations Sub-Commission on Discrimination and Minorities; Member, Joint Consultative Board of Industry and Labour; President, Indian Roads Transport and Development Association. b. Nov. 20, 1905 in Bombay; *Educ.*: B.A. (Bom.), LL.B. (Lond.); called to the Bar by Lincoln's Inn in 1928. Founder and Joint Secretary of the All-India Congress Socialist Party, 1934-39; member of the Bombay Municipal Corporation, 1935-45; Mayor of Bombay, 1943-44; member, Indian Legislative Assembly, 1945-46; mem-

ber, Constituent Assembly of India, 1946-48; Ambassador of India in Brazil, 1948-49; member, Parliament of India, 1949-52; joined Tata Sons in 1941 and is now Adviser on Industrial and Public Relations. *Publications:* *India's Constitution at Work*, 1939; *Our India*, 1940; *Socialism Reconsidered*, 1944; *Your Food*, 1944; *Picture of a Plan*, 1945; *A Plea for the Mixed Economy*, 1947; *Our Growing Human Family*, 1950. *Address:* Bombay House, Fort, Bombay.

MASANI, Sir Rustom Pestonji, Kt. (1943), M.A., J.P. b. 23rd Sept. 1876. Chairman, Executive Cttee., Indian Institute for Educational and Cultural Co-operation; member, National Commission for Co-operation with U.N.E.S.C.O.; Ex-Vice-Chancellor, Bombay University; Trustee, Prince of Wales Museum, N.M. Wadia Charities; President, Anthropological Socy., Bombay; Governing Body of the K. R. Kama Oriental Institute; Bombay Suburban Social Service League; Municipal Secretary, Dy. Municipal Commissioner and Municipal Commissioner for the City of Bombay; Mgr., Central Bank of India; Sec., Indian Central Banking Enquiry Committee; Chairman: Amalgamated Chemicals and Dye Stuffs Ltd.; Oriental Industrial Investment Corporation; Dir., Oriental Government Security Life Assurance Co.; Editor, *Kaiser-i-Hind* and *Indian Spectator*. *Publications:* *Child Protection*; *Folklore of Wells*; *The Law and Procedure of the Municipal Corporation, Bombay*; *The Conference of the Birds*; *A Sufi Allegory*; *Evolution of Local Self-Govt. in Bombay*; *The Religion of the Ganga*; *Life*; *Zoroastrianism*; *Court Poets of Iran and India*; *Dadabhai Naoroji, The Grand Old Man of India*. Also several works in Gujarati. *Address:* 68F, Nepcan Sea Road, Bombay.

MASCARENHAS, Francis Dennis, Industrialist and Business man; Chairman and Managing Director, Associated Corporation of Industries (India), Ltd., Bombay, and Hon. Presidency Magistrate, Bombay; J.P.; President, United Front of Goans (UFG), b. October 4, 1912, s. of the late J. Stewart De B. Mascarenhas, of Bombay Secretariat, Bombay and n. of Politician Commandador Leandro Mascarenhas of Bombay; m. Patricia Rose De Mello, g. d. of Pascol De Mello, Captain of the Militia guarding the Governor's Castle at Parel, and recipient of a meritorious token from His Majesty George III, 1799; *Educ.*: in European Schools, Bombay. Joined the G.I.P. Railway, 1927; resigned and took up commercial training under foreign experts; established the firm of Associated Corporation of Industries (India) Ltd.; member, Chamber of Commerce, U.S.; takes keen interest in the uplift and welfare of all the minority communities; is national minded; has toured extensively abroad and has met international personalities of today; flew to Nebraska—Omaha to survey his plan for his cherished "Boys Town"; spent several months in Boys Town during his global visits and during this period also visited the world's largest factories of different kinds; was complimented in 1945 by Mr. Emanuel Celler, member on the Cttee. on the Judiciary and U.S.A. House of Representatives, (Congress), Washington D.C. for his plan for industrializing India especially transportation—his Lightweight Bullock Cart; received in audience the Hon. Citizenship of Boys Town, Nebraska, U.S.A.; was guest of honour at a dinner given at New York by Cardinal Spellman, Archbishop of New York, at which a handsome donation was made for his Lightweight Bullock Cart scheme



for India; has been working to promote Indian Industries among the other countries of the world; was responsible for the rapid establishment of the Indo-Cuban trade; was awarded in Havana the Grand Cross of Honour & Merit (Cuba); visited America's Film Industry at Hollywood with Mr. Edward Mehran, the President of the Squirt Company; also visited all the Intelligence and Social-Commercial branches throughout the U.S.A.; was invited by Mr. Edgar Hoover of America's Criminal Investigation Bureau, Washington D.C.; was guest of Papal Internuncio at Havana; addressed at New York a distinguished gathering of Industrialists; is popular in the U.S.; visited the world's biggest scientific research stations abroad; discussed with Earl Mountbatten of Burma, the then Governor-General and Viceroy of India his plans for betterment of the common man in India; at the invitation of the Governor-General of Goa discussed a scheme for the development of Industries and Power and a project for the Dud-Sagar Waterfalls for the electrification of Goa and the improvement of Mormugao harbour, and recommended strongly "Port Trust of Goa"; is a great supporter and soldier of Free India like his uncle the Late Commandador Leandro Mascarenhas, a Politician of the Motilal Nehru days; Director, Bombay Flying Club Ltd., Everest Advertising, Ltd., Indian Gliding Association, Ltd.; Founder member, Indian Gliding Assoc. Languages: English, Portuguese, Spanish, German, Marathi, Urdu and Gujarati. Clubs: Cricket Club of India; Royal Western India Turf Club; Bombay Presidency Golf Club; Western India Automobile Association; Presidency Radio Club; National Sports Club of India; Clubs overseas, and Americans for Democratic Action, Red Cross Society of Havana. Hobbies: Psychiatry; Reading; Golf; Tennis; Cine Photography; Motoring; Agriculture. Address: "Commerce House", Currimbhoy Road, Ballard Estate, Bombay.

MASCARENHAS, Dr. Mafalde Ubaldo, L.M. & S. (Bombay Univ.), M.L.A., Medical Practitioner and Social Worker. b. May 1885, s. of M. M. Mascarenhas, late of the *Times of India*. Educ.: St. Xavier's High School and Grant Medical College. Member of the Bombay Municipal Corporation since April 1935; Mayor of Bombay for 1943-49; President, Philatelist Society; elected member, the Bombay Legislative Assembly, 1952. Recreations: Cricket and Hockey; Stamp Collection. Clubs: Bombay Presidency Hockey Assoc.; Western India Football Assoc.; Catholic Gymkhana; Stand Member, R.W.I.T.C. Address: Marian Villa, 10, Matharpakhadi, Mazagaon, Bombay.

MASHRIQI, Inayatullah Khan Tazki, Minister for Food & Civil Supplies, P.W.D., Public Health and Local Self-Government, Bhopal. b. 1908, s. of Hafiz Istihsan Khan; Educ.: Early education in local Madrasas; took a number of Oriental degrees from Govt. Coll., Lahore. Is one of the veteran Congress leaders of Bhopal; founded the Anjuman Khuddame Watan party, 1933; imprisoned for two years for treason; led a youth movement by laying the foundation of Young Men's Assoc.; Founder member, State People's Conference; acted as Secy. of the Conference; was Pres. for eight years; the first coalition Ministry dominated by Congress Party members under Pandit Chattru Narain Malaviya, formed during his presidency, 1947; a leading Urdu Columnist in India; as the directive force behind "Subh Watan" a local Urdu journal, was responsible for revolutionising the people's mind and preparing them to fight for their just cause against the Rulers of



the States; contributed his best as correspondent of "Madina" and "Hind" published from Bijnor and Calcutta respectively; Address: Qaisar Bungalow, Bhopal.

MASTER, Bhola Nath, Minister for Education and Separate Revenue, Rajasthan. b. June 1911; m. Smt. Pushpa Devi; two s. Harish Chandra and Ashok and two d., Lalita and Usha. Left Alwar State service on political grounds; Founder, Alwar Raj Prajamandal; was its General Secy. and Pres. for years; General Secy., Rajasthan, P.C.C.; member, A.I.C.C.; courted imprisonment three times; widely travelled in India and South-East Asia; Editor, *Swatantra Bharat* and *Congress Sandesh*; Minister for Public Works and Civil Supplies, Matsya Union; Founder member, Happy School, Gandhi Vidyalaya, etc.; elected to Rajasthan Assembly from Lachhmangarh-Rajgarh Constituency. Address: 10, Civil Lines, Jaipur.

MASTER, Mansukhlal Atmaram, B.A., LL.B. b. Nov. 11, 1884; m. Mrs. Tara Master; one s. and one d.; Educ.: Elphinstone Coll., Bombay. Began earning by giving tuition; Pres., Indian Merchants Chamber, 1945; Pres., Cttee. of the Fed. of Indian Chambers of Commerce & Industry, 1947; Vice-Pres., All-India Organisation of Industrial Employers, 1949; Trustee, Port of Bombay since 1937; member, Port Technical Cttee.; Chairman, Minor Ports Development Cttee. of the Govt. of Bombay; Shipbuilding & Marine Engineering Panel, Govt. of India, 1946; member, Shipping & Trade Integration Cttee., Maritime Training Facilities Cttee., Shipping Policy Cttee., Governing Body, Training Ship "Dufferin"; Vice-Pres., Sailors, Home; member, Shipping delegation to London, 1947. Director, Bombay Steam Navigation Co., Ltd.; Travancore Steam Navigation Co., Ltd.; Premier Automobiles Ltd.; Govt. of India delegate: International Conference of Safety of Life at Sea (London), 1929 & 1948; United Maritime Consultative Council, Washington, 1946, Geneva, 1948; Employers' Adviser and then as Employers' Delegate; International Maritime Conference at Geneva; Representative, Indian National Steamship Owners' Assoc. at the International Shipping Conference in London, Feb. 1947; member at the Geneva Session of Joint Maritime Commission, Dec. 1947, 1951 & 1952; was General Manager, The Scindia Steam Nav. Co., Ltd.; Pres., Commerce Graduates Assoc.; Govt. Delegate Trade Negotiations with Czechoslovakia & Switzerland. Publications: Several pamphlets on shipping and other matters of importance to commerce and industry. Recreations: Cricket and Tennis. Address: "Raj Mahal", Juhu (Bombay 23).

MATTHEI, Dr. John, B.A., B.L. (Madras), B. Litt. (Oxon.), D.Sc. (Lond.), C.I.E., Chairman, Taxation Enquiry Commission, since April 1953. b. Jan. 10, 1886; m. Achamma John, 1921; Educ.: Madras Christian Coll.; London School of Economics; Balliol Coll., Oxford; High Court Vakil, Madras, 1910-14; Officer on Special Duty, Co-operative Dept., Madras, 1918-20; Professor of Economics, Presidency Coll., Madras, 1920-25; Professor of Indian Economics, University of Madras, 1923-25; member, Madras Legislative Council, 1922-25; member, Indian Tariff Board, 1925-31; President, Tariff Board, 1931-34; Director-General of Commercial Intelligence and Statistics, 1935-40; retired and joined Tata Sons Ltd., 1940; appointed Director, 1944; Minister of Railways and Transport, Govt. of India, Jan. 1947-Sept. 1948; Minister of Finance, Govt. of India, Sept. 1948-May 1950; resigned from Govt. and served *Tatas*, 1950-53. Publications: *Village Govt. in British India*; *Agricultural Co-operation in India*; *Excise and Liquor Control*. Address: C/o Bombay House, Bombay 1.

MATTHEN, C. P., B.A., B.L. (Madras), M.P. b. May 1890, s. of Mammen Poulse; m. Eli; two s. and six d.; Educ.: Madras Christian Coll. Entered business and started the Quilon Bank, Ltd., incorporated in Travancore, 1919; became Managing Director, Travancore National and Quilon Bank Ltd. on amalgamation of the Quilon Bank Ltd. with the Travancore National Bank Ltd.; convicted and sentenced to hard labour in connection with the affairs of the Travancore National and Quilon Bank Ltd.; was subsequently released unconditionally on appeal to the Governor-General-in-Council; the appeal was backed by the opinion of Sir B. L. Mitter, then Advocate-General of India; started the Alleppey Co. Ltd., the first Travancore Co. to compete with the European coastal firms which had the monopoly of the export and import business in Travancore; was its Founder-Chairman, 1925-30; initiated and organised the Travancore Chamber of Commerce, Alleppey; was returned to the House of the People on Congress ticket from Tiruvella constituency of Travancore-Cochin in the General Elections. Publications: *I have Borne Much*. Address: 'Amphill', Harrington Road, Madras.



MAVALANKAR, Ganesh Vasudeo, B.A., d.L.B., Advocate, A. S., Speaker, Indian Republic Parliament, since Jan. 28, 1950. b. Nov. 28, 1893, at Baroda; Educ.: Rajapur and Govt. High Schools, Rajapur and Ahmedabad respectively; Gujarat Coll., Ahmedabad, and Govt. Law School, Bombay; started practice in 1913; Secy., Gujarat Sabha, 1918; took part in Kaira Non-Resistant Campaign, 1917; Influenza Relief, 1918; Famine Relief, 1919; entered Ahmedabad Municipality, 1919; suspended practice in 1921-22; Secy., Gujarat P.C.C., 1921 to 1923; General Secretary, 36th Indian National Congress, Ahmedabad, 1921; Secy., Flood Relief Operations, Ahmedabad District, 1927; visited England and Europe, 1928, 1948, 1950, 1952 and 1953. President, Ahmedabad Municipality, 1930 to 1933 and 1935-36; President, Ranpur Inquiry Cttee., 1930; imprisoned, 1930 and 1933; interned at Katnagiri, 1933-34; Trustee, Harijan Ashram, Sabarmati (Gandhi's Ashram), Gujarat Law Society; Pres., Ahmedabad Education Society, etc. Pres., Gujarat Vidya Sabha; arrested at Ahmedabad for offering individual civil disobedience, 27th Nov. 1940 and imprisoned in Sabarmati and Yeravda Jails; released 18th November, 1941; again arrested on 9th Aug. 1942 under the D. I. R., released on 10th March 1944; Trustee and Chairman, Ex. Com., Kasturba Gandhi National Memorial Fund; formerly Speaker, Bombay Leg. Assembly; Trustee and Chairman, Gandhi Memorial Fund; President, Central Assembly, Jan. 1946-Aug. 1947; led Indian Parliamentary Delegation to Commonwealth Parliamentary Conference to England in Sept.-Oct. 1948, and to Canada, Sept. 1952; attended Inter-Parliamentary Union Conference at Dublin and the opening of the New House of Commons building in Sept. and Oct. 1950; Speaker, Indian Constituent Assembly, 1947-50. Address: Sevakuti, Maharashtra Society, Killa Bridge, Ahmedabad; and 20, Akbar Road, New Delhi.

MAYER, Albert, A.B., C.E., Architect, Town Planner; Planning Adviser to U.P. Govt. b. Dec. 29, 1897, s. of Bernhard and Sophia Mayer; m. Phyllis Carter; one s. and one d.; Educ.: Columbia Coll.—Class of 1916; Massachusetts Inst. of Technology—Class of 1919. Architecture, Engineering, Town and Rural Planning; Consultant to U.N.; Master Plans for: Chandigarh, Capital of Punjab (I); Greater Bombay; new city of Khatmat, Canada; Gujarat Univ., Ahmedabad; expansion of Allahabad Agricultural Institute

and design of new buildings; Pilot Rural Development Projects for U.P. Govt.; member, American Institute of Planners, American Society of Civil Engineers; Fellow, American Institute of Architects; Medal of Honour of N. Y. Chapter of American Institute of Architects, 1952. Address: C/o A. N. Jha, Secretary, Planning, Council House, Lucknow; 31, Union Square West, New York City.

MAZUMDAR, Maulavi Abdul Matlib, B.A., with honours in English, M.A. in English (2nd Class), B.L., Minister for Local Self-Government, Veterinary and Livestock, Govt. of Assam. b. Feb. 1898; Educ.: Dacca College (now defunct). Practising Pleader in the Law Courts of the Cachar District, Assam; Chairman for years of Local Bodies of Hallakandi, Cachar District. Address: Shillong P. O., Assam.

MEDAPA, Chief Justice Rao Bahadur P., B.A., B.L., Rao Bahadur (1945), Chief Justice, Mysore, since Nov. 1945. b. April 10, 1896, s. of P. Bellappa; m. Mrs. Poovie Medapa; one s. and two d.; Educ.: Central College, Bangalore and Law College, Madras. Member, Legislative Council & District Board, Coorg; led the Coorg delegation for evidence before the Simon Commission; as member of the Advisory Cttee. on the Territorial Force, gave evidence before the Sir John Shea Cttee. on Indianisation of the Army; practised as advocate in Madras and Coorg; appointed Sub-Judge & First Class Magistrate, Coorg (1929); District & Sessions Judge, Bangalore Cantonment (1933); Judge, High Court of Mysore from 1944; Chairman, Gopala Rao Enquiry Cttee. (March 1948). Clubs: Steward, Bangalore Race Club; Cricket Club of India (Founder Member); Century Club and Bangalore Club (Member). Recreations: Tennis, Cricket and Hockey. Address: No. 16, Cunningham Road, Bangalore 1.

MEDHI, Bishnu Ram, B.Sc. (Hons.), M.Sc., B.L., Chief Minister, Assam, since Aug. 1950; Advocate. b. April 1890 in the village of Hajo (Kamrup—Assam); m. Srimati Nirmala, d. of J. B. Deka, prominent citizen of North Gauhati; Educ.: Presidency College, Calcutta. Enrolled as Pleader, Gauhati Bar, 1914 and Advocate, Calcutta High Court, 1931; joined the Non-Co-operation Movement and was imprisoned for more than a year; after Lahore Congress,



elected President of Assam P. C. C. unanimously and since then continuously elected President till 1939; member, A.I.C.C.; imprisoned in 1930 and 1940 in connection with C. D. and Satyagraha Movements for about two years and again detained in jail for over 2 years in connection with 1943 movement; popularly known as the 'Iron Man' of Assam; Minister of Finance, Revenue and Legislation, Assam, Feb. 1946-Aug. 1950. Address: "Rockside", Shillong; Usan Bazar, Gauhati, Assam.

MEDIRATTA, J. M., F.G.M.S., Proprietor, Patna State Graphite Mining Co., and other allied industries, Titilagarh, Orissa. b. 1900; Educ.: Punjab Univ.; started mining works in Vizag Dist., 1928; gained practical experience in mining by conducting investigation work; introduced graphite into the Indian market; erected a factory at Titilagarh undertaking grinding and refining work, first of its kind in India; awarded many special certificates of merit and gold medals for graphite industry and development; producing plumbago powders having the



fineness of 300 mesh; has also started manufacturing of graphite Crucibles which is now in the final stage of experiment. Address: Patna State Graphite Mining Co., Titilagarh P.O., Eastern Railway.

MENTA, Ashok Nanaiah, has been First Secy., Indian Embassy, Paris. b. April 23, 1921, s. of N. C. Mehta, Retd. I.C.S., Chief Commissioner, Himachal Pradesh, Simla; m. Miss Chandrakha Pandit, d. of Shrimati Vijayalakshmi; Educ.: St. Stephen's College, Delhi; Allahabad University; Indian Military Academy, Dehra Dun. Commissioned in Royal Indian Engineers, Bengal Sappers and Miners, Roorkee, Dec. 1, 1941; 2nd Secretary to the Agent General for India in China, 1943-45; Asst. China Relations Officer, Calcutta, 1945-46; 2nd-in-Command, 1st Fd. Coy. R.M.E., Nowshera, Feb.-Oct. 1946; Consul for India, Saigon, Indo-China, 1946-49; was Consul-General for India in Goa. Recreations: Riding and Photography. Club: Delhi Gymkhana Club, New Delhi. Address: C/o Ministry of External Affairs, New Delhi.

MENTA, Asoka, B.A., Social worker; Joint Secy., Praja Socialist Party. b. 24th October 1911; Educ.: Wilson College, Bombay; School of Economics, Bombay University. In political life from 1930; imprisoned four times; founder-member of former Socialist Party; edited its official organ, 1935-39; member of its National Executive for 15 years. Publications: *The Communal Triangle in India*, *Who owns India*, *Political Mind of India*, *Democratic Socialism*, *Socialism and Peasantry*, *Indian Shipping*. Address: Babunath, 5, Dadysett Road, Bombay.

MENTA, Balwantay Gopalji, B.A. (Bombay), General Secy., Indian National Congress, Ex-Deputy Chief Minister, Govt. of United State of Saurashtra, Rajkot. b. Feb. 19, 1899. Entered public life, Oct. 1920; took active part in States People's Movement for civil liberties and responsible Govt., women's education, Harijan uplift work; Pres., Bhavnagar Prajamandal; Gohilwad Harijan Samiti; Vice-Pres., All-India States People's Conference; Sevassamiti; member, A.I.C.C.; participated Salt Satyagraha (1930), Movement of 1932-33-34, Rajkot Satyagraha (1938), Individual Satyagraha (1940-41) and Quit India Movement (1942-45); spent about 7 years in jail; started Harijan Schools in Bhavnagar State and handed them over to the State after some years; started Thakkar Bapa Harijan Ashram, 1927; participated in establishing the All-India States People's Conference, 1927. Address: 7, Jantar Mantar Road, New Delhi.

MENTA, Balwant Singh, M.P., Ex-Minister for Industries & Commerce, Rajasthan. b. Feb. 8, 1900, s. of Mehta Zalmsinghji and Shrim. Aneykumari; m. Shrim. Sugan Kumari; four s.; Educ.: High School, Udaipur; Fergusson Coll., Poona. One of the founders of Mewar Congress and its first President; jailed for taking part in freedom movement; elected Vice-Chairman, All India States People's Conference, Udaipur Session; organised and started welfare work for Bhils in Rajasthan; helped them to get rid of forced labour; member, Constituent Assembly of India; was member on various Standing Committees of Parliament and delimitation of constituencies of Rajasthan; Pres., Kasturba Maternity Home and Public Library, Udaipur; presided over various Conferences; inaugurated All-India Manufacturers' Conference, Jaipur; Organiser, Rajasthan Bhoodan Samiti; Vice-Pres., All-India Lok-Kala Mandal; Chairman, Refugee Co-op. Society, Udaipur; Convener, Rajasthan Congress Parl. Cttee., New Delhi. Publications: *The Fort of Chittorgarh*, *Life of Mirabai*, *Maharaja Pratap, Mewar Dagarshan*, etc. Address: Sahitya Kutub, Udaipur; Jantar Mantar Observatory, New Delhi.

MENTA, Bhagvandas C., B.A. & 1911. Director: Bank of India Ltd.; New India Assurance Co. Ltd.; Tata Mills Ltd.; Tata Hydro-Electric Power Supply Co. Ltd.; United Motors Ltd., The Belapur Co. Ltd., etc.; Chairman, The Millowners' Association, Bombay, 1947. Address: 42, Ridge Road, Malabar Hill, Bombay.

MENTA, Sir Chaudhali Vijnayandas, Kt., K.C.S.I. (1928), M.A., LL.B. b. Jan. 12, 1881; m. Tarabai Chaudhali Kankodiwala; Educ.: St. Xavier's Coll., Bombay, Captain, Hindu XI. Elected to the Bombay Municipal Corporation in 1907; Chairman, Standing Cttee., 1912; President of the Corporation, 1916; elected to the Bombay Legislative Council by the Corporation in 1916; elected to the City Improvement Trust, 1918; Chairman, Indian Merchants' Chamber, 1918 and 1931; elected to the Bombay Port Trust, 1920; ex-Chancellor, Indian Women's Univ.; ex-Provincial Scout Commr.; Minister, Bombay Govt., 1921-23; member, Executive Council of Govt. of Bombay, 1923-28; Chairman, Western India Match Co., Ltd.; Director, Tata Power Co. Ltd., The Tata Iron & Steel Co., Ltd., The Associated Cement Companies, Ltd., etc.; President, Indian Territorial Force, 1946. Address: 42, Ridge Road, Malabar Hill, Bombay.

MENTA, Durga Shanker Kripashanker, B.A., LL.B., M.L.A., Minister for Industry, Govt. of Madhya Pradesh. b. April 1887 at Hoshangabad; Educ.: Sagar and Govt. College, Jabalpur from where he graduated in 1906; took Law degree from the Univ. School of Law, Allahabad, 1908; was placed in the first division. Started practice at Jabalpur; later shifted to Seoni, where he became a leading lawyer; gave up practice in 1921 to join the Non-co-operation Movement; jailed in 1923, 1930, 1940 and 1942; Chairman, Seoni Dist. Council for several years; Pres., Municipal Cttee., Seoni, 1922-23; elected to M.P. Leg. Council, 1927 on Swaraj Party ticket; Finance Minister during first Congress Ministry, 1937-39; elected to the M.P. Leg. Assembly in the general elections. Publications: *Suvashti and Charkha*; *Panchayat Gram Pradipika* which was prescribed by the Govt. in 1930; a novel in Hindi *Anubhuti* by him published by Sahitya Bhawan Ltd., Allahabad. Address: 59, Civil Lines, Nagpur.

MENTA, F. P., B.Sc., B.Met., F.I.M., Business man and Mill Managing Agent. b. Jan. 28, 1911; m. on Feb. 19, 1949; Educ.: Elphinstone Coll., Royal Institute of Science and Sheffield Univ.; J. N. Tata School; passed out in 1931 with high distinctions. Eleven years with Tatas at Jamshedpur, and was in charge of their Steel Making Plant; left Tatas in 1944 to join P. N. Mehta & Co. and P. N. Mehta & Sons; keenly interested in social welfare and in bringing about a harmonious relationship between capital and labour. Address: Cook's Bldg., 324, Hornby Road, Fort, Bombay; Burhanpur Tapli Mill Ltd., Burhanpur E. S., Madhya Pradesh.



MENTA, G. L., B.A., Bar-at-Law, I.A.S., Industries & Commerce Secretary, Rajasthan Govt., since March 1958. b. Dec. 20, 1917 at Udaipur; m. Kanakata, d. of S. C. Ralsurana of Calcutta, 1940; Educ.: Govt. Coll., Ajmer; stood first in English in Agra Univ. B.A.; London School of Economics; Lincoln's Inn; called to the Bar Feb. 1940. Entered Mewar State Civil Service by competition, 1942; served Mewar State in many capacities and on various Committees; Supply Secy.

to Govt.; Development Secy., Director of Supplies; on formation of Rajasthan in May 1948; Development Secy. and Revenue Secy. to Govt.; after its merger in Greater Rajasthan, Collector and D.M., Bhiwara and Alwar Districts; Director representing Govt. on the Board of Directors, Associated Cement Co. Ltd., The Bank of Jaipur Ltd., The Bank of Bikaner Ltd. and Bikaner Gypsum Ltd., etc.; awarded many honours including Tasim by H.H. the Maharana of Udaipur; travelled extensively over the Continent. *Recreations*: Tennis, Badminton, was Captain, London 'Varsity and L.S.E. teams, 1939-40; awarded London 'Purple'. *Clubs*: Field Club, Udaipur; N.S.C.I.; Pres. J. K. Club, Alwar. *Address*: 8, Hospital Road, Jaipur.

MENTA, H.E. Mr. Gaganvihar L., M.A. (Bom.), Indian Ambassador to the U.S.A. since Sept. 1952. b. April 15, 1900, s. of late Sir Lalubhai Samaldas and Shrim. Satyavati; m. Saudamini, d. of late Sir Ramanbhai Nilkanth; three d., Mrs. Nilanjana Dhar, M.A. (Cornell), Miss Uma Mehta, B.A. (Cal.) and Miss Aparna Mehta (at college); *Educ.*: New High School, Bombay; Elphinstone Coll., Bombay; London School of Economics and Political Science. *Asst. Editor, Bombay Chronicle*, 1923-25; *Manager, Scindia Steam Navigation Co., Ltd., Calcutta*, 1928-47; *Pres., Indian Chamber of Commerce*, 1939-40; *Pres., Federation of Indian Chambers of Commerce and Industry*, 1942-43; *Commissioner for the Port of Calcutta*, 1930-34, 1940-42, 1946-47; *member, Constituent Assembly of India*, 1947; *Adviser to the Indian Employers' Delegation, International Labour Conference*, 1937; *Delegate, International Chamber of Commerce, Berlin*, 1937; *Delegate, International Business Conference, New York*, 1944; *member, Indian Delegation to the International Trade Conference*, 1947, *Post-War Policy Ctees. on Industry and Civil Aviation*, 1943-45; *Governing Body of the Council of Scientific and Industrial Research*, 1947-1952; *Pres., Indian Tariff Board*, Bombay, Dec. 1947-April 1950; *member, Planning Commission, New Delhi*, May 1950-52; *member, All-India Council for Technical Education, Calcutta*, Nov. 1950-52; *member, Council of Indian Institute of Science, Bangalore*, 1951; *Chairman, Nuffield Foundation Indian Advisory Committee*, 1950-52; *Chairman, Tariff Commission*, Jan. 1952-Sept. 1952. *Publications*: *Conscience of a Nation* (1933); *From Wrong Angles* (1934); *Perversities* (1942). *Address*: Indian Embassy, Washington.

MENTA, Gaman Manilal, Managing Director, Sun Process Works Ltd., Bombay. b. May 22, 1906, at Surat; *Educ.*: Sarvajani High School, Surat. Joined the Sun Process Works, Ltd., 1930; became its Managing Director,



1941; *Rotarian* since 1948; *Freemason* since 1940; *Wor. Manager, Lodge Reginald Spence No. 5514 E.C.*, *Chaplain, Lodge Islam No. 587 S.O.*, *P.Z. Chapter Crescent No. 346 S.C.*, *P.S.R. Conclave Darius No. 58*; *Vice-Pres., Western India Football Assoc.*; *Member: Bombay Presidency Hockey Assoc. and the Indian Merchants' Chamber. Clubs*: Bombay Presidency Radio Club; Royal Western India Turf Club; Maharashtra Club, Poona. *Hobbies*: Swimming, Photography and Contract Bridge. *Address*: Office: No. 8, Swadeshi Mills Compound, Tata Road, Off New Queen's Road, Bombay 4; *Residence*: G. Banisil Building, Opera House Tram Terminus, Bombay 4.

MENTA, Mrs. Hansa Manubhai, B.A. (Philosophy, Hons.), *Vice-Chancellor, Baroda University*. b. July 3, 1897; m. Dr. Jivraj N. Menta, Minister for Finance, Bombay,

1924; *Educ.*: Baroda. *Member, Bombay Municipal Schools Ctee.*, 1926; *Pres., B.P.C.C.*, 1930; *Provincial Hindustan Scouts Asscn.*, South Bombay; *Fellow of the Senate of Univ. of Bombay*, 1931-46; *Pres., Senate and Syndicate of the Indian Women's Univ.*; *Leg. Council*, 1937 and again in 1940; *Parliamentary Secy., Education and Health*, 1937-39; *Vice-Pres., A.I.W.O.*, 1930 and off and on in 1945; *President, The New Education Fellowship* since 1937; *Secy., Indian women's representative on the nuclear Sub-Commission on the status of Women*, 1946 of the U.N.O.; *Government of India representative on the Human Rights Commission of the U.N.O.*; *member of the Constituent Assembly*; *member of the delegation of the Commonwealth Parliamentary Conference*, 1948; *member, Central Advisory Board of Education, Govt. of India*, 1951. *Publications*: In Gujarati: *Baharatvaik, Kishorvaravali, Rukmani, Bavalana Parabramo, Golibarai Musafiri, Arun nu abhidh swagata, Tran natako, Himalya swarup na bijan natako Hamlet* (translated from Shakespeare), *Venice no nepari (Merchant of Venice)*. In English, *Adventures of King Vikram, Women under the Hindu Law of Marriage and Succession, Tract on Post-War Educational Reconstruction and Civil Liberties*. *Address*: C/o The Bank of Baroda Ltd., Fort, Bombay.

MENTA, Jannadas M., M.A., LL.B., *Bar-at-Law*, b. August 3, 1884; m. Manibai, d. of Ratanji Ladhaji; *Educ.*: Jammarg, Junagadh, Bombay, London. *Member, Bombay Municipal Corporation*, 1922-48; *member, Legislative Assembly*, 1923-30 and again 1941-45 and *member, National Defence Council*, 1941-45; *President, All-India Railwaymen's Federation* from 1931 to '44 and *Indian Federation of Labour* from 1941 to 1944; *Maharashtra Provincial Congress Committee*, 1921-23; *Bombay Provincial Congress Committee*, 1929-30; and *member, All-India Congress Committee*, 1921-31; *Member of the Working Committee of the Indian National Congress*, 1926; *Indian Workers' Delegate to the International Labour Conference*, 1934 and 1944; *Substitute delegate, Governing Body, I.L.O.*, January 1935; *Mayor of Bombay*, 1938-37; *Revenue and Finance Minister, Government of Bombay*, 1937; *Representative of the Govt. of India with the Govt. of Burma*, 1944 to June 1946; *President, Bombay Civic Assoc.* since 1948. *Address*: Sucha Simriti, Malabar Hill, Bombay 6.

MENTA, Dr. Jivraj Nazayan, L.M. & S. (Bom.), M.D. (London), (University Medal), M.R.C.P. (London), F.C.P.S. (Bom.), M.C.A., *Minister for Finance, Prohibition and Industries, Govt. of Bombay*, since May 1952. b. August 29, 1887; m. Smt. Hansa Manubhai Mehta; *Educ.*: Amrell, Bombay State, Grant Medical Coll., Bombay and London Hospital. Formerly, *Ag. Asst. Director, Hale Clinical Laboratory, London Hospital*, London and *Chief Medical Officer, Baroda State*; *Pres., Indian Medical Association*, 1930-1943, and 1945; *member, Medical Council of India*, 1938-43, and since 1947, *Board of Scientific and Industrial Research, India*, since 1942; *ex-Secy., Health Ministry, Govt. of India*; *Chief Adviser to Govt. of India and Govt. of Bombay on Baroda Affairs*, June-August 1949 and *Adviser, Ministry of Health, India*, 1949. *Arrested and imprisoned in 1932-33 and detained in 1942-44 under the Defence of India Act. Elected to the Bombay Legislative Assembly in March 1946; Dir.-Gen. of Health Services, Govt. of India*, 1947-48. *Prime Minister, Baroda State*, June 1948-49. *Fellow, Univ. of Bombay* since 1928; *P.W.D. Minister, Bombay*, 1949-52. *Publications*: "Studies regarding presence of glycogen in Suprarenal Bodies"; "The Height, Weight & Chest Measurements enquiry relating to some School Children (Males) in Bombay". *Address*: C/o Bank of Baroda Ltd., Bombay.

MENTA, Kanhaiya Lal, B.A. (Agra), *Post-graduate Diploma in Public Administration* (London), *Barrister-at-Law, I.C.S.*, *Chief Secretary, Himachal Pradesh*, since March 1952. b. March 15, 1913, s. of Kanwar Devi Lal Ji Mehta, Jagirdar and g. gs. of Rai Mehta Panna Lal Ji, C.I.E., *Dewan of Udaipur, Jagirdar*; m. Mrs. Gissela (born Wittgenstein, Berlin, Germany) Mehta; two s., Ashok and Dally; *Educ.*: Govt. Coll., Ajmer; London School of Economics, Univ. of London; Lincoln's Inn. *Captained the London Univ. Tennis and Badminton teams*; awarded full Univ. colours. *Joined I.C.S.*, 1937; *Deputy Commr., Kumaon Division, U.P.*, 1947-48; *Chief Commr., Ajmer*, 1950-51. *Publications*: a few travel articles, which have appeared in the *Statesman* and the *Times of India*. *Recreations*: Tennis, Badminton and Golf. *Clubs*: Delhi Gymkhana Club and Nainital Boathouse Club. *Address*: Himachal Dham, Simla.

MENTA, Manohar Singh, M.A., LL.B., *Home and P.W.D. Minister, Madhya Bharat*, since March 1952. b. 1916, at Indore, s. of Rai Ratan Hullasrai Mehta, Tahildar, former Holkar State; *Educ.*: Jain High School; Holkar Coll., Indore. *Practised at the Indore Bar*, 1941-48, took part in the Prajamandal activities of the Holkar State; shouldered the entire work of the Prajamandal during 1942 movement; was *Secy., Central India States Civil Liberties Conference*; was also one of the organisers of the Central India Journalists' Conference; *General Secy., State Praja Mandal*, 1946; *elected Pres., Indore City Congress*, 1946; *General Secy., Central India States Peoples' Conference*; *Minister for Medical, Health, Jails, P.W.D. and Relief and Rehabilitation, Indore*, 1948; was *Chief Administrator, Ratlam, Jaora, Sailana and Sitamau*; *elected M.L.A., Madhya Bharat*, 1950; *Education and Labour Minister, Madhya Bharat*, 1950-52; *elected to the Madhya Bharat Assembly in the General election from the Indore City Constituency*. *Address*: Minister for Home and P.W.D., Madhya Bharat, Gwalior.

MENTA, Capt. Mino Sorabjee, *Area Secy. for Gujarat and Kathiawar, Western India Automobile Assoc.*; *Educ.*: Richmond Lodge Preparatory School, Torquay; Taunton School, Taunton; Sidney Sussex Coll., Cambridge; M.A. in History, Law and Economics. Early part of the war *member, Ahmedabad District War, A.R.P., Broadcasting and Civic Guards Ctees.*; *Hon. Magistrate*, raised and commanded Ahmedabad Motorised Civic Guards; *commissioned in the R.I.A.S.C.*; served with No. I.M.T.T.C. Chaklala (1942-43); selected for a staff appointment; *A.T.R.O., Poona and Nagpur* (1943-44); *Public Relations Officer, G.H.Q., New Delhi* (1944); *Military Press Censor, Bombay* (1944-45); *Staff Captain, Welfare, H.Q., Poona and Bombay Sub-Areas* (1945-47); *Liaison officer to the mission from the Ministry of Education from U.K.*, 1946; returned to his civil employment; *member: Indian Merchants' Chamber, Bombay; Gujarat Vepari Mahamandal, Ahmedabad. Clubs*: Reform; Ahmedabad; Ahmedabad Gymkhana, Ahmedabad, Rotary, Ahmedabad; Poona and New Clubs, Poona. *Recreations*: Motoring, Travelling, Journalism, Bridge. *Address*: The Cellar, Khanpur, Ahmedabad.

MENTA, H.E. Dr. Mohan Sinha, M.A., LL.B. (Allahabad), Ph.D. (London), *Barrister-at-Law* (Middle Temple), *India's High Commissioner in Pakistan*, since May 1951. b. 20th April 1895, at Bhiwara; m. Shrimati Hulas Kumari Mehta (died, Aug. 1924); *Educ.*: D.A.A.V. High School and Government Collegiate School, Ajmer; Agra Coll., Agra; Ewing Christian Coll. and Univ. School of Law, Allahabad and the London School of Economics and Political Science, London. *Lecturer in Economics, Agra Coll.*, 1918-19; *Govt. Coll., Ajmer*, 1919-20; *Secy., All-India Seva*

Samiti (Headquarters, Allahabad); Headquarters Hon. Scout Commr. for India, S.S.B.S.A., 1922-38; Mewar State Service in 1922 as District Magistrate; Asstt. Settlement Officer, 1923; Revenue Officer, 1928; Off. Revenue Commr., 1935; Diwan, Banawara State, June 1937 to Aug. 1940; Revenue and Education Minister from April 1941 and Minister for Supplies, Mewar State, 1942-44; founded Vidya Bhawan Society (a progressive co-educational institution comprising a High School, a Teachers' Training Coll., a Handicrafts Institute, a Basic School and Nursery Section) at Udaipur in 1931 of which he is the Founder-President, Vice-President, All-India Seva Samiti (Allahabad); Convener, Supply Committee of the Regional Board of Rajputana, April 1942; member of the Central Advisory Board of Education; Chief Minister, Banawara State (Rajasthan), 1944-47; Finance Minister, Mewar State; Mewar State Representative to the Constituent Assembly of Indian Union; India's Ambassador to the Netherlands, till May 1951. *Publications: Lord Hastings and the Indian States.* Address: Karachi, Pakistan.

MENTA, Mohanlal Tulsidas Sopan, Editor, *Jamnahoom, Pravasi and Akhand-Anand*. b. Jan. 14, 1910, s. of Tulsidas and Shivkuvar. m. Labhuben Amratil Sheth; three d., Varsha, Gita and Rupa; Educ.: Karachi. Took active part in National Struggle, from 1930-47. *Publications*: 30 publications in Gujarati: Short Story, Novel, Biography, Sociology and Politics; some of his books have been translated into English, Hindi, Sindhi, Tamil and Malayalam; conducts a publishing house and a printing press. *Recreation*: Photography. Address: Gulbahar, Barrack Road, Dhobi Talao, Bombay 1.

MENTA, P. L., J.P., I.P., Commandant of India's first Central Police Training College for I.P.S. Officers; is a senior member of the Indian Police. b. in 1907; Educ.: Calcutta 'Varsity. Joined the I.P. in Jan. 1930 and soon made his mark; has held several important positions in Bengal; was appointed Deputy Director, Intelligence Bureau and in charge of Special Police Establishment, Govt. of India; is an all round sportsman; has won the All-India Tennis Championship—Singles and Men's Doubles in 1929 at Allahabad; is a skilled horseman and a keen shikari. Address: Central Police Training College for I.P.S. Officers, Abu.

MENTA, P. N., L.T.M., A.M.S.T., Millowner and business man; Gold Medalist. b. Dec. 27, 1877, m. on May 28, 1922; Educ.: V.J.T. Institute, Bombay; was a scholarship holder; passed out in 1897 with high distinctions; won Lord Reay Gold Medal with Honours Diploma. Weaving Master in sole charge of his department in the New Great Eastern Mills Ltd., Bombay, the late Mansukhbhai Bhagubhai's Mills, Ahmedabad, the Presidency Mills, Bombay and the Colaba Land and Mill Co. Ltd., Bombay, 1898-1905; left for



England for further studies in textile manufacture on Government of India State Technical Scholarship, 1905; proceeded to Manchester and obtained certificates in the Faculty of Technology of the Victoria University and Honours Diploma of the Municipal College of Technology, at the City and Guilds of London Examination; awarded the Silver Medal and Money Prize in carding and spinning and also First Class Honours and Bronze Medal in dyeing of cotton yarn and piecegoods and first class certificate in various textile manufacturing and designing subjects and in bleaching, dyeing, printing and finishing of textile fabrics; returned to India in 1908 and appointed Textile Expert to the Govt. of Bombay to organise and conduct a survey of the handloom weaving industry in the Presidency; Technological Expert

and Adviser to different cotton mills in India since 1909; interested in the import of English yarns, piecegoods and textile machinery; actively engaged in introducing into India the weaving of fine piecegoods with fine yarns imported into India, of 40 to 120 counts; renders assistance to mills in Bombay, Ahmedabad, Rajasthan, W. Bengal and other parts of India; importer of cotton, spun silk and art silk yarns and piecegoods from England, the continent of Europe, China and Japan; textile machinery for the weaving, dyeing, bleaching and finishing of cotton piecegoods; cloth selling agent for local mills; purchased the Crescent Mills of the Currimbhoy Group with the help of his friends and converted it into a fine spinning and weaving Mill, 1935; Managing Agent, Burhanpur Tapli Mills Ltd. since 1942; takes part in social and public activities especially for the benefit of the Parsee unemployed; liberally contributed to social and other institutions; donated large sums to Dr. Massina's Hospital; has built a cheap-rent chawl for the benefit of Parsees; founded a lying-in-hospital at Udawada; is engaged in promoting employment centres to educate and give employment to the Parsee unemployed; has taken over a Parsi Boarding School at Nasik with a view to running it on modern lines on non-profit basis, the total cost approximating Rs. 6,00,000. This school is now called "The Boys' Town" and is open to boys of all communities. Address: Cook's Building, 324, Hornby Road, Fort, Bombay.

MENTA, Prabhudas Vanechand, B.Sc. (Bombay), D.I.C. (London), M.I.I. Chem. E., General Manager, Calico Industrial Engineers, Andheri, Bombay; Manager of Calico Dyeing and Printing Works, Tardeo, Bombay. b. Sept. 2, 1913, s. of Vanechand Muljibhai Mehta and Radhabhen Naraldas Mehta; m. Snehlata, d. of Vithaldas Narbheram Parekh; one s.; Educ.: Sanatan Dharma High School, Bhavnagar; Ferguson College, Poona; Imperial College of Science and Technology, London; after finishing D.I.C. in Fuel Technology and Chemical Engineering, took D.I.C. in Advance Chemical Engineering, conducted research for two years in 'Pressure drop in packed columns' at the Imperial College of Science and Technology, London; erected and started Calico Dyeing and Printing Works, 1942; erected and started Calico Industrial Engineers, 1946; member, Working Cttee., and Hon. Secy., All-India Manufacturers' Organization; Pres., Textile Processors Association (India); member: Industrial Machinery Development Cttee. of D.G.I. & S., New Delhi; Pres., Assoc. of Indian Industries, Bombay. *Publications: How to start an industry* published by the All-India Manufacturers' Organization, Bombay. *Recreations*: Tennis, Reading and Photography. *Clubs*: W.I.A.A. Club House Ltd., Cricket Club of India Ltd. and Orient Club, Bombay. Address: Mani Bhuvan, French Bridge, Bombay.



MENTA, Shrinukh Rao Laxmalal, I.C.S., B.A. (Hons.) (Bom. & Cantab.), Ex-Food Commissioner and Chief Secy. to Govt. of Assam. b. Nov. 1, 1892, at Ahmedabad; m. Shrim. Manorama; one s. and one d.; Educ.: Gujarat College, Ahmedabad and Clare College, Cambridge. Joined as Asstt. Commissioner; held charge of several Subdivisions and districts; was Director of Industries, Registrar of Co-operative Societies, District and Sessions Judge, Secretary, Education, Medicine and L.S.G. and Finance & Revenue Secretary. *Recreations*: Tennis, Golf, Bridge, Billiards. *Club*: Shillong Club. Address: 'Kismet', Shillong, Assam.

MENTA, S. N., B.Sc., I.C.S., Secretary, Planning and Development, Madhya Pradesh. b. October 1904; Educ.: Nagpur University, Nagpur. Assistant Commissioner, M.P. (1928-32);

A.D.M. (1935-42); Deputy Commissioner, Chanda, Nagpur and Sagar (1935-42); Prime Minister, Kotah, 1942-43; Deputy Controller-General of Civil Supplies, Bombay, Import & Export Trade Controller, Chief Controller, Import & Export and Joint Secretary, Commerce Dept. (1943-47); Prime Minister, Kotah; on merger of Kotah, posted as Chief Commissioner, Chattisgarh (1947-48); Chairman, Board of Industries, M.P. (1948-49); ex-Chief Minister, Vindhya Pradesh, Rewa, May 1949. Address: Nagpur.

MENTA, Vallabha Lalubhai, B.A., Member, Taxation Enquiry Commission, Govt. of India, 1953-54 and Chairman, All-India Khadi and Village Industries Board. b. Oct. 23, 1891; m. Mangla, d. of Pratapral Vajeshanker of Bhavnagar. Educ.: New High School, and Elphinstone College, Bombay. Winner of Ellis Scholarship, B.A. Examination. Manager, Bombay Central (Provincial) Co-operative Bank, Ltd., 1912-15 and Managing Director 1922-46; Secretary, Social Service League, Bombay till 1946; Hon. Secy., Bombay Provincial Co-operative Institute, 1943-46; member, Bombay Provincial Banking Inquiry Committee, 1929; member, Textile Labour Inquiry Committee, Bombay, 1937-40; member, Bombay Provincial Board, Harlian Sevak Sangh; Minister, Finance, Co-operation and Village Industries, Govt. of Bombay, 1940-52; Member, Finance Commn, 1952. *Publications: The Co-operative Movement*, 1915; *The Co-operative Movement in India*, 1918; *Studies in Co-operative Finance*, 1927; *Planning for Co-operative Movement*, 1941. Address: Murzbanabad, Andheri (Western Railway).

MENTA, Vinod Markand, B.A. (Hons.), LL.B., Bar-at-Law, Ex-Pulane Judge, Madhya Bharat High Court. b. Feb. 24, 1893, at Surat; m. Raj Ratan Jyotsna, d. of Sir Ramanbhai and Lady Vidyagauri Nilkant; one d., Mrs. Vasanti Jha, B.A.; Educ.: Elphinstone Coll., Bombay; called to the Bar from Gray's Inn, London. *Recreation*: Vocal Music. *Club*: Residency Club, Indore. Address: 4, Yashwant Nivas Road, North Tukogunj, Indore.

MENEZES, Armando, M.A., Professor of English, Bombay Educational Service, since 1939. b. May 11, 1902, s. of Luis Manuel de Menezes and Arninda Correia Lobo; m. Matilde Rebelo; five s. and two d.; Educ.: St. Xavier's Coll., Bombay. Assistant Professor, English and Latin, St. Xavier's Coll., Bombay (1924-39); Principal, Karnatak Coll., Nov. 1950-March 1952; Under-Secy., Education Deptt., Bombay, Nov. 1949-June 1950. *Publications: Chords and Discords; Chaos and Dancing Star; Ancestral Face* (collections of lyrics); *The Emigrant and The Fund* (satires); *Cante, a Comedy*, etc., etc. *Recreations*: Table-Tennis, Bridge, Philosophy Music. *Clubs*: Staff Club, M. N. College; Mathuradas Club, Visnagar. Address: M. N. College, Visnagar.

MENON, K. A. Damodara, B.A., B.L., D.T., M.P. b. June 10, 1906, s. of late T. R. Achuthan Pillai, High Court Vakil and late Smt. Nangu Amma, Kalappurakkal; m. V. K. Leela, B.A.; two s. and one d.; Educ.: Govt. High School, Parur; Maharajah's Coll., Trivandrum; Law Coll., Trivandrum; Training Coll., Rangoon. Gave up job in Burma to join the Salt Satyagraha, 1930; was arrested and convicted several times between 1930 and 1932; was detained at Amraoti (M.P.), 1942-45; was Secy. and Treasurer, Kerala Prov. Congress Cttee.; Editor, "Mathrubhoomi", Calicut, 1937-43; member: A.I.C.C.; Kerala Congress Executive; Secy., Aikya Kerala Cttee.; Pres., several Labour Organizations, Malabar; elected to Provisional Parliament 1949; resigned from the Congress to join the opposition formed by Acharya Kripalani; elected to the House of the People, Jan. 1952. *Publications: Hasthigyanam* (politics); *Narmathakal* (short stories); *Bhawanasomam* (poems). Address: Sivapuri, Kozhikode; 16-B, Ferozshah Road, New Delhi.

MENON, K. P. Kesava, B.A., Bar-at-Law. Editor, *MATHRUBHUMI*, Calicut, since Oct. 1953. b. Sept. 1, 1886, in Malabar; *Educ.*: Madras; called to the Bar 1915. Set up practice in Calicut; joined the Indian National Congress; Secy., Malabar Dist. Congress; Home Rule League started by Mrs. Annie Besant; went to Madras for practice, 1919; started the Neo-Fabian Society to study political problems; gave up practice to join the 1921 Non-Co-operation Movement; Secy., Kerala Prov. Congress Ctee.; founded the *MATHRUBHUMI*, Malayalam Daily, 1923; led the famous Vaikom Satyagraha movement in Travancore to establish the right of the untouchables to walk along public roads, 1924; arrested and imprisoned; released 1924; set up practice in Singapore, 1927; took active part in the Indian associations and labour organisations; imprisoned by the Japanese, 1944; released after the liberation; took up the editorship of *MATHRUBHUMI*, 1948; Chairman, Local Library Authority, Malabar, 1949; Pres., Alkya Kerala Ctee., 1949; Calicut Forum; was member, Standing Ctee. of the All India Newspaper Editors' Conference; High Commr. for India in Ceylon, 1951-52. *Publications*: Various books in Malayalam. *Address*: Calicut, Malabar.

MENON, H. E. Mr. K. P. S., M.A. (Oxon.), C.I.E., I.C.S. Indian Ambassador to Russia, since Sept. 1952. b. Oct. 18, 1898; m. Saraswati, w. d. of late Sir Sankaran Nair, 1923; *Educ.*: X'ian Coll., Madras; Christ Church, Oxford. I.C.S., 1921; Addl. Deputy Secy. to the Govt. of India, Foreign and Political Dept.; Under-Sec. to the Hon. the Resident at Hyderabad; also on the Frontier for 3 years; Agent to the Government of India in Ceylon, 1929-33; deputed by Government of India on Special Mission to Zanzibar, Kenya & Uganda, to enquire into the position of Indians there, 1934; Dewan of Bharatpur State for about 3 years; attended the San Francisco Conference in 1945; attended the General Assembly of the United Nations in New York in 1946; Agent-General of the Govt. of India in China from 1943 to Jan. 1947; Ambassador for India in China, March 1947; Chairman, United Nations Commission on Korea, 1948. Forgn. Secy., Govt. of India, 1948 May-1952 Sept. *Publications*: *Delhi-Chungking*. *Address*: External Affairs Ministry, New Delhi.

MENON, Konnaiah Rama Krishna, M.A., B.L., C.I.E. (1940), M.B.E. (1938). Secretary, Finance Ministry, Govt. of India, since August 1948. b. June 21, 1901; m. Saraswati, d. of J. P. Gopal Menon, Bar-at-Law, Retired Judge, Travancore High Court; *Educ.*: St. Joseph's College, Trichinopoly and Law College, Madras; joined service, May 1924 (Mily. Acctie. Dept.), after passing Indian Audit & Acctie. Competitive Exam.; Dy. Mily. Acctt.-Genl., 1936; selected to the Finance & Commerce Pool, 1939; Commissioner of Income Tax, Bombay, 1939-41; Madras, 1941-42; Director of Statistics, Supply Dept., 1942; Director of Inspection, Income Tax, 1943-47; Member, Central Board of Revenue, 1947-48. *Address*: Pampady P.O. (Travancore-Cochin); Lakkiti (S. Ry.).

MENON, M. Gopala, B.A. (Madras), Representative of the Govt. of India in Malaya, Singapore, 1902, s. of P. K. Manavikraman Raja of the Zamorin family of Calicut, and Smt. Tathakutty Amma; m. Smt. Bhagirathy Menon; one s., Indu Menon and one d., Ruku Menon; *Educ.*: Madras Univ. and Jamia Millia (Aligarh). Under-Secy. i/c, U.N. Branch, Ministry of External Affairs and Commonwealth Relations, 1946; Secy., Indian Delegation to the U.N. General Assembly, 1947; Alternate Indian Representative to the Special Session of the General Assembly on Palestine, 1948; Alternate Representative to the Security Council on the Indonesian

Dispute, 1949; Adviser Secy., Indian Delegation to the Economic and Social Council, 1949; Adviser, Hyderabad Delegation to the Security Council, 1949; Ag. Head, Permanent Indian Delegation, Sept. 1948-June 1949; Adviser Secy., 4th Session of the U.N. General Assembly, 1949; Alternate Indian Representative to the Security Council, 1949-50; Alternate Representative on the Atomic Energy Comm. and the Comm. on Conventional Armaments, 1949-50; Secy. General, Indian Delegation to the 5th Session of the General Assembly. *Address*: Representative of the Govt. of India in Malaya, Singapore.

MENON, H. E. Parakat Achutha, B.A. (Hons.) (Madras), I.C.S., Indian Ambassador in Belgium, since Oct. 1951. b. Jan. 2, 1905, s. of late Sir M. Krishnan Nair, one-time Dewan of Travancore and Law Member, Madras Govt.; m. Palat Padmini Menon; one s. and one d.; *Educ.*: Presidency Coll., Madras; New Coll., Oxford. Joined I.C.S., 1929; Under-Secy. to Govt. of Madras, P.W.D. (1934-37); Under-Secy. to Govt. of India, Home Dept. (1938-41); Collector of Guntur (1941-43); Deputy Secy. and Secy., India Supply Mission, Washington, U.S.A. (1943-47); Joint Secy. to the Govt. of India, External Affairs, 1947-49; was nominated member of Indian Legislative Assembly (1938-39); attached to several international conferences (United Nations 1944, 1946, U.N.E.A.A., 1946); Envoy Extraordinary and Minister Plenipotentiary of India in Portugal, 1949-51. *Recreation*: Swimming. *Clubs*: Several. *Address*: Indian Embassy, Brussels, Belgium.

MENON, P. Govinda, M.A., B.L., M.L.A., Ex-Finance and Civil Supplies Minister, Travancore-Cochin State. b. Sept., 1906; m. K. Madhavi Amma; *Educ.*: Ernakulam, Trichur and Madras. Advocate, High Court of Cochin; was Prime Minister, former Cochin State; was elected to the Travancore-Cochin Leg. Assembly in the general elections; was again elected to the State Assembly from Chalakkudy Constituency, 1954. *Address*: Ernakulam.

MENON, Mr. Justice P. Govinda, B.A., B.L., Judge, High Court, Madras, since July 1947. b. September 1896, s. of V. K. Kunhan Unni; m. Kalyanikutty Amma, d. of Dewan Bahadur K. S. Menon, Ex-Chairman, Air Transport Licensing Board, Govt. of India; one s.; *Educ.*: Ganpat High School, Calicut; Zamorin's Coll., Calicut; Presidency Coll., Madras; Law Coll., Madras. Enrolled Sept. 1920; practised in the Madras High Court, both Civil and Criminal; appointed Crown Prosecutor, Dec. 1940; proceeded to Japan as the Indian Representative before the International Military Tribunal for the Far East at Tokyo prosecuting General Tojo and other major Japanese war criminals, and was in Japan from April to Sept. 1946 as the Chief Indian Prosecutor. *Publications*: Author of the Chapter on Marumakkathayam and Aliyasastra law in Mayno's Hindu Law. *Address*: Judge, High Court, Madras.

MENON, P. S., Agent of the Government of India in Ceylon, Kandy. b. July 1, 1904, s. of late V. Gopala Menon; m. Yeshuvath Thankamma. *Address*: Agent of the Govt. of India in Ceylon, Kandy.

MENON, Thotakat Govind, B.A., B.Sc., Associate I.A.R.I. (Pusa), Ph.D., Munich, A.I.R.O., was Indian Govt. Trade Commissioner in Australia. b. March 18, 1904; m. Saraswati Menon; two s.; *Educ.*: Presidency Coll., Madras; Univ. of Madras; Univ. of Munich. Joined service, 1937; Asstt. Marketing Officer, Asstt. Controller of Purchase, Asstt. Director of Supplies, Under-Secy., Ministry of Commerce, Trade Commissioner for India in Ceylon, Consul-General for India in the Philippines, Counsellor (Commercial) to the Embassy of India, Indonesia. *Address*: C/o External Affairs Ministry, New Delhi.

MENON, V. K. Krishna, B.A. (Madras), B.Sc. (Econ.), London, M.A., London, M.Sc. (Econ.), London, Bar-at-Law, Middle Temple, King's Inns, Dublin (Honoris Causa), M.P. (Council of States). b. 3rd May 1897; *Educ.*: Tellicherry and Calicut (Malabar), Madras and London, National University, Adyar, Lecturer, 1919-22; Boy Scout Commissioner, Madras and Cochin, 1918-24; Secretary, India League, 1929-47; Counsellor, St. Pancras, London, 1934-47; Chairman, Arts Council, St. Pancras; Labour Parliamentary Candidate, Dundee, Scotland, 1939-42; Special Representative of the Government of India, 1946-47; Alternate delegate at the U.N.O. General Assembly meeting at Lake Success, 1946-47; represented India at various international congresses on behalf of Indian National Congress for Jawaharlal Nehru from 1936; visited various European capitals as Pandit Nehru's Personal Representative and made preliminary arrangements for establishing diplomatic relations; High Commissioner for India in London, 1947-52; India's Ambassador to Ireland, 1949-52; Delegate to the U.N., 1952-53. *Publications*: First Editor, Pelican Books; Editor, 20th Century Library (Bodley Head). Pamphlets and Articles such as *India, Britain and Freedom: Why must India Fight?*; *Britain's Prisoner: Nehru, Unity with India against Fascism*; *Independence*; in collaboration with late Ellen Wilkinson, *The Condition of India*. *Address*: The India Club, 41, Craven Street, Strand, London, W.C. 2. Branampalam, Kallai, Malabar.

MENON, V. K. N., B.A. (Hons.) (Madras), M.A. (Oxon), Professor of Politics, Patna University. b. March 1, 1897, s. of late Palath Krishnan Valla Achan and late Shrim. V. K. Nanikkutty Amma; m. Lakshikutty Amma (Lakshmi N. Menon, M.P.), d. of late M. Ramavarma Thampam, Travancore Educational service; *Educ.*: Maharaja's Coll., Ernakulam; Presidency Coll., Madras; St. John's Coll., Oxford; The London School of Economics; The Univ. of Paris. Reader (earlier Lecturer) in Political Science, Lucknow Univ. till 1948; Director of the Bureau of Research in Public Administration, Public Service Commission, U.P., 1948; Professor of Politics, Patna Univ., 1948-49 and 1951-53; Vice-Chancellor, Travancore Univ., Jan. 1950-Feb. 1951; Vice-Chancellor, Patna Univ., 1953-54. *Publications*: Articles in learned periodicals. *Recreations*: Walking, Reading. *Address*: The University, Patna.

MENON, Vallathol Narayan, Poet Laureate of Malayalam and Art Director; President, Kerala Kalamandalam. b. Oct. 1879, s. of Damodaran Elayath; m. Smt. Madhavi Amma; five s. and three d.; *Educ.*: Studied Sanskrit privately. Edited a Malayalam bi-weekly at Trichur for five years; was Manager of a Printing and Publishing firm for the same period; was Editor, *Atmaposhini*, Kunnankulam; toured U.S.S.R. and Europe, 1950; founded 'Kerala Kalamandalam' a school of dance about a quarter of a century ago. *Publications*: Translated Valmiki's immortal epic *Ramayana* into Malayalam in his twenty-fourth year; has published nearly forty books, mostly lyrical poems. *Mary Magdalene*, considered to be the best, has been translated into English and published by Meridian Books Ltd.; a collection of poems on Russia in Malayalam and translated into Russian language; is now translating *Rigveda* into Malayalam; other original poems: *Kochu Seetha*; *Badhra Vilapam*; *Bappu*; *Indayudhai Karachil*; *Gandha Vaharam* (criticisms). *Address*: Cheruthuruthy, Via Shoranur, Travancore-Cochin State.

MENON, Vapal Pangannal, ex-Adviser, Ministry of States, Govt. of India. m. 1st, 1925; 2nd, 1941, Srim. Kanakama; two s.; *Educ.*: Ottapalam High School. Joined service, 1914; Asstt. Secy., Govt. of India, Reforms Office, 1935; Under Secy., 1934; Dy. Secy., 1936-40; Joint Secy., June-Oct. 1937 and June-Oct. 1938; Deputy Secretary to Governor-

General (Reforms), 1940-42; Joint Secy. to Governor-General (Reforms), Feb.-June, 1941; Reforms Commissioner, Sept. 1942 to Aug. 1947; Secy. to Governor-General (Public) and Secy. to the Cabinet, 1945-46; Secy., Ministry of States, July 1947-Oct. 1948 and Dec. 1949-May 1951; Adviser, Ministry of States, Oct. 1948-Nov. 1949; Offg. Governor of Orissa, May-July 1951; member, Finance Commission, 1951. *Address*: "Shelter," Cooke Town, Bangalore 5.

MENSHIKOV, H. E. Mikhail Alexeevich, Ambassador Extraordinary and Plenipotentiary of the U.S.S.R. in India. *b.* 1902 in a peasant's family near Moscow; has three *s.* and one *d.*; *Educ.*: Moscow Institute of National Economy. Occupied in succession on important posts in the Export-Import Organizations such as Director, A.R.C.O.S. Ltd., London; Director, "Exportkhleb" (an All-Union Organization dealing in Export of Grain, Moscow); Chairman, "Exportles" (Timber Export); Deputy Director-General, U.N. Relief and Rehabilitation Administration (U.N.R.R.A.) and on its behalf organized relief work in war-devastated areas of various European countries, 1944-46, headed a U.N.R.R.A. mission to Poland; Deputy Foreign Trade Minister, U.S.S.R., 1946, appointed first Deputy Minister; Soviet Foreign Trade Minister, 1949-51; carried out other important governmental assignments. *Address*: 6, Canning Road, New Delhi.

MENZIES, Sir Robert, Kt., O.B.E. (Mil.) (1918), V.D., C.A., Chairman and Managing Director, The British India Corporation, Ltd., Kanpur, U.P.; Director of several other Companies. *b.* Edinburgh, 1891, *y. s.* of the late Archibald Menzies, S.S.C., Edinburgh; *m.* Jenny Hamilton, *d. d.* of the late Lt.-Col. Thomas Young of Edinburgh (1932); *Educ.*: George Watson's College, Edinburgh; Morrison's Academy, Crieff, Edinburgh University. Chairman, The Federation of Woollen Manufacturers in India, 1941-47; Commandant, Cawnpore Contingent A.F.I., 1921-33 and 1940-47; Member, Institute of Chartered Accountants of Scotland (1914); served in Great War, 1914-18; dispatches, 1917, 1918 and 1919; President, Upper India Chamber of Commerce, 1939, 1940, 1941, 1944 and 1945. *Clubs*: Cawnpore Caledonian, Oriental and R.A.C., London. *Address*: "Strathcarron", Kanpur, U.P.

MERCHANT, Vrajilal Harkisondas, A.M.S.E., M.I.San.E., M.R.San.I., R.P., A.M.I.E.T. (San.), M.I.E.T. (San.), London. L.S.E., L.S.G.D., M.I.S.E. (Cal.), M.M.E.A. (India).



Civil and Sanitary Engineer, *b.* May 8, 1913, *m.* Champavati (deceased), *d. of* I. H. Bhugat, one *d.*, Prabhavati, *m.* again Smt. Damayanti, *d. of* Prabhudas Narandas, Proprietor, Victoria Sanitary Stores; practising as Architect and Sanitary Engineer, Bombay; extensively travelled in India, England, France, Italy and Switzerland on professional tour, 1950; Member, Assoc. of Sanitary & Domestic Engineers (India) Ltd.; Life Member, P. M. Swimming Bath; Worshipful Company of Plumbers (London) and A. C. M. S. I.; Member, The Town & Country Planning Assoc.; W.I.A.A. *Recreations*: Photography, Swimming. *Address*: 55, Tapibai's Bungalow, H. Goregaoker Road, Gamdevi, Bombay 7.

MEYER, H.E. Ernst Wilhelm, Doctor of law and political science, Ambassador of the Federal Republic of Germany. *b.* April 2, 1892, *s. of* Justice Paul Meyer and Martha Meyer *née* Krause; *m.* Annemarie Meyer *née* Masow; *Educ.*: Universities of Breslau and Strassburg (Alsace). Admitted to the Bar; German foreign service since 1921; German legations, Athens, Greece, Belgrade, Yugoslavia

and German Embassy at Washington; Professor of political science at Lewisburg, Pennsylvania and at the Univ. Frankfurt, Germany. *Publications*: *Struggle about German Foreign Policy*; *Grounds and conditions for peace*. *Recreations*: Golf, Swimming. *Clubs*: Chelmsford Club, Gymkhana Club, Golf Club. *Address*: Embassy of the Federal Republic of Germany, New Delhi.

MIRA Behn (Miss Madeleine Slade), *b.* Nov. 22, 1892, *d. of* a British Admiral. Renouncing a life of luxury, took a vow of poverty and joined Mahatma Gandhi's Ashram; a staunch follower of Mahatma Gandhi; thrice convicted in connection with Civil Disobedience Movement; accompanied Mahatma Gandhi to England, 1931; went on tour to Britain and America, lecturing on the Indian situation, 1934-35; arrested 9th August, 1942 along with Mahatma Gandhi and confined in Aga Khan's Palace for 21 months; in Nov. 1944 started small Ashram of her own on Gandhian lines; in April 1946 appointed Special Advisor to Govt. of U. P. for "Grow More Food Campaign"; from 1947 to 1950 Adviser for Development; now engaged in cattle and village development work in the Himalayas. *Publications*: *Bapu's Letters to Mira*; *Gleanings*. *Address*: Gopal Ashram, P.O. Pilkhi, Dist. Tehri-Garhwal, U.P.

MIRASHI, Vasudev Vishnu, M.A., Mahamahopadhyaya (conferred by the Viceroy on 12th June 1941). *b.* March 13, 1893; *m.* Miss Anasuya Deuskar; *Educ.*: Rajaram College, Kolhapur and Deccan College, Poona; Bombay University Sanskrit Scholar, Prizeman and Gold Medalist; Dakshina Fellow, Deccan College, Poona. Professor of Sanskrit, Morris College, Nagpur; 1919-42; Principal, Morris College, 1942-46; Head of the Department of Sanskrit, Nagpur Univ.; President, History, Archaeology and Numismatics Section, All-India Oriental Conference, 1941; President, Ancient Indian History Section, Indian History Congress, 1944; President, Numismatic Society of India, 1944 and 1951; Principal, Vidarbha Mahavidyalaya, Amravati, Berar, 1947-50. *Publications*: *Kakidasa* (in Marathi); *Vakataka Inscription in Cave XVI at Ajanta*; *Inscription in Cave XVII at Ajanta*; *Ghatotakha Cave Inscription*; numerous articles in various research journals on ancient history of India. *Address*: Nagpur.

MIRCHANDANI, Dr. Tahilram Jethanand, M.Sc., A.I.L.Sc., Ph.D., Head of Division of Agronomy, Indian Agricultural Research Institute, New Delhi, and Principal, Central College of Agriculture, Delhi. *b.* July 19, 1901; *m.*; one *s.* and one *d.*; *Educ.*: Sind, Poona, Bangalore and England. Agricultural Chemist to the Govt. of Bihar, 1934-38; Officer-in-Charge, Agricultural Research Station, Sakrand and Principal, Agricultural College, Sakrand, 1939-43; Officer-in-Charge, Agricultural Research Station, Dokri (Sind), 1943-46. *Address*: 7, Pusa Institute, New Delhi.

MIRCHANDANI, Udharam Maniram, B.A., I.C.S., Settlement Commr. Dir. Land Records, Inspector-General of Registration and Registrar General of Births, Deaths and Marriages, Govt. of Bombay. *Educ.*: St. Patrick's High School, Karachi; D. J. Sind Coll., Kutchi; London School of Economics and Trinity Coll., Oxford. Served as Assistant Collector and Magistrate in Ahmednagar, North Kanara, Surat; as Collector and Dist. Magistrate, West Khandesh, Bilapur, Eroach and Panchmahals, Sukkur, Hyderabad-Sind; Commissioner, Northern Division, Ahmedabad; Secy., Rehabilitation Dept. *Recreation*: Tennis. *Clubs*: Willington Club and W.I.T. Club, Bombay; The New Club and Poona Club, Poona. *Address*: Poona.

MISRA, H. N., M. A., Minister of Supply and Price Control, Bihar, since April 1953. *b.* Feb. 1, 1918, 3rd *s.* of Pandit Babuaji Mishra, Sanskrit scholar, Darbhanga; *Educ.*: Kollakh Middle English School; Northbrook Zilla School, Darbhanga; M.A. in Mathematics from Calcutta Univ. Took active interest in politics during his student days; joined the Sadakat Ashram; worked as Secy. to Dr. Rajendra Prasad; courted jail in freedom movement, 1942 and 1944-45; joined Sadakat Ashram again, 1945; elected M.L.A., Bihar, 1946; worked ceaselessly for the Kosi Project and the establishment of Mithila Univ.; again elected M.L.A., Bihar, in the General Elections. *Publication*: *The Kosi Problem*. *Recreations*: Reading books on Sociology, Literature, Development and River Valley Projects. *Address*: Minister for Civil Supplies, Patna, Bihar.

MISRA, Sir Lakshminipathi, Kt. (1944), B.Sc., President, Institute of Welding (London). Indian Branch, since 1949. *b.* 4th July, 1888; *Educ.*: Agra Coll. & Thomason Civil Engineering Coll. Joined the State Rly. service, Oct. 1911; Executive Engineer, 1918; services lent to the Foreign Pol. Dept. in 1924 and posted as Dy. Mgr. and Engineer-in-Chief of the Baroda State Rly.; returned to the East Indian Rly., 1928; special duty with the Rly. Board, 1929 to introduce the Washington-Geneva convention on the E. I. Rly.; Chief Controller of Stores, N.W. Rly., 1930-31; Dy. General Manager, E. I. Rly., 1932-35; Divl. Supdt., Howrah Div., 1935-38, member, Federal Public Services Commission, 1938-39; Gen. Mgr., B. & A. Rly., Sept. 1939-Nov. 1943; Chief Commr. of Rlys. June-Oct 1945; Commissioner for the Port of Calcutta, 1949-43; Pres., Institution of Engineer (India), 1942-43; Pres., Ad Hoc Cttee. on Nationalised Road Transport in U.P.; member, Engineering & Post-War Reconstruction, Rly. Board, 1943-44; mentioned in despatches during the operations in Burma and on the North-Eastern Frontier, June 1942 to May 1943. *Address*: C/o Bilal Brothers Ltd., 8, Royal Exchange Place, Calcutta 1.

MISRA, Lakshmi Shanker, M.A. (Hons.), (Cantab.), History Tripos, I.L.B. (Law Tripos), Barrister-at-law (Inner Temple), Chief Justice, Hyderabad High Court, since Nov. 1952. *b.* Feb. 23, 1895, *s. of* Pandit Shree Beharilal Misra; *m.* Smt. Chandrawati Tiwari, three *s.* and two *d.*; *Educ.*: Muir Central Coll., Allahabad, Trinity Coll., Cambridge and Inner Temple, London. Practised in England, 1919-20 and thereafter in India principally in the Chief Court of Avadh; Part-time Reader, Faculty of Law, Lucknow Univ., 1926-39; resigned in 1939; was member, Lucknow Univ. Court, Faculty of Law, etc., and the Academic and the Executive Councils of the Univ.; was Editor, Oudh Law Journal, and the Allahabad Weekly Reporter; Pres., Governing Body, La Martiniere Coll., Lucknow; one of the governors of the Paleobotanical Institute; member, Bar Council, Lucknow, 1940-43; Puisne Judge, Avadh Chief Court, Lucknow, 1943-47; officiated as Chief Judge, 1947-48; became Judge, Allahabad High Court on amalgamation of the Avadh Chief Court with it, 1948; senior Judge-in-charge, Lucknow Bench of the Allahabad High Court, from 1951-52; was appointed Commissioner by the Govt. of India to report whether the Bellary taluq in the Madras State should be merged with Mysore or with the proposed Andhra State. *Address*: High Court of Judicature, Hyderabad; "Mitra Bhavan", Golla Gunj, Lucknow.

MISRA, Pandit Lingaraj, M.A. (Sanskrit), Gold Medalist, Calcutta Univ., 1919; Ex-Minister of Education and Health, Orissa. *b.* 1894; *m.* Srimati Uma Devi; *Educ.*: Ravenshaw Coll., Cuttack and Univ. Coll., Calcutta. Began as Prof. of Sanskrit in the G. B. Coll., Muzaffarpur (Bihar); gave up Govt. Service, 1922; joined the Satyabadi National School as teacher; M.L.O.

in Bihar and Orissa, 1927-29; member, Servants of the People Society, Lahore; Editor, *The Samaj*, Orissa Daily; member, Standing Committee, All-India Newspaper Editors' Conference, till assuming office as Minister in April, 1946. *Publications*: Short biographies and political literature, e.g., *Shivaji*, *Gurugovind Sinha*, *Deshar-Dabi*, *Jananayaka*. Address: Cuttack (Orissa).

MISRA, Ram Anugrah Prasad, Managing Director, Indian Wild-Barfield Co. Ltd., Bombay. b. Jan. 19, 1914 at Dehra Dun, U.P., m. Vera Stanley of Steven-



age, England; *Educ.*: The Theosophical National School at Benares, 1925-29; Ewing Christian Coll., Allahabad, 1930-32; had great keenness and enthusiasm for Science and Engineering and learnt flying at the Delhi Flying Club at the age of 17, 1930; after passing his inter-

science examination, proceeded to England to study Aeronautical Engineering, 1933. Served as an Engineering apprentice with the De Havilland Aircraft Co. Ltd., 1933-36; afterwards joined the company's laboratories as an Assistant; rose to the position of Production Metallurgist and was placed in technical control of all works processes including heat-treatment; left the De Havilland Aircraft Co. to join Wild-Barfield Electric Furnaces Ltd., of Watford, England, one of the leading manufacturers of industrial and other electric furnaces, 1946; was selected by the Directors of Wild-Barfield to take charge of their Indian Co., i.e. Indian Wild-Barfield Co. Ltd. at Fort Chambers, Bombay, which was formed in Sept. 1947; has designed the layouts of the heat-treatment shops of Hindustan Motors Ltd., Calcutta, and the Tata Locomotive Engineering Co. Ltd., Jamshedpur, his company having also supplied heat-treatment furnaces to the Premier Automobiles Ltd., Kurla, Indian Telephone Industries Ltd., Bangalore, Chittaranjan Locomotive Works, Texmaco (Gwalior) Ltd. and many other factories in India; is an Associate Fellow of the Royal Aeronautical Society of England; member, Institution of Production Engineers, London, being a Lord Austin Prize winner 1936 which was awarded to him for obtaining first place in the Graduateship examination of the Institution of Production Engineers; is also an Associate of the Institute of Metallurgists in England; Pres., Bombay Metallurgical Society and the Bombay section of the Institute of Production Engineers; is a staunch believer in international co-operation and in the need for a spiritual guidance in all problems. *Hobbies*: Photography both still and cine; Cricket; Tennis. *Flying Clubs*: United Services Club; Bombay Flying Club. Address: Indian Wild-Barfield Co. Ltd., Bombay.

MITRA, Prof. Nisir Kumar, D.Sc., F.N.I., Head of the Dept. of Radio Physics and Electronics, University of Calcutta. b. Oct. 1891; m. Lilabati, d. of Raj Bahadur Harakhsore Biswas of Barisal (died 1939); two s. Pioneer of radio research in India; President, Mathematics and Physics Section of the Indian Science Congress, 1934; King George V Silver Jubilee Medal, 1935; member, Bengal Industrial Survey Cttee., 1938; member, Industrial Research Planning Cttee., Govt. of India, 1944-45; Chairman, Radio Research Cttee., Board of Scientific and Industrial Research, 1942-48; member, Indian Scientific Mission to U.K. and U.S.A., 1944-45; Pres., Rotary Club of Calcutta, 1942; Chairman, Calcutta Section of the British Institution of Radio Engineers; Pres., Asiatic Society, 1951-53; Director, Hindusthan Co-operative



Insurance Society Ltd. *Publications*: *Active Nitrogen* (1945), *The Upper Atmosphere* (1947) and numerous scientific papers. Address: 9, Hindusthan Road, Ballygunge, Calcutta.

MITTER, Mr. Justice Jyoti Prakash, M.A. (Oxon.), Barrister-at-Law, Judge, High Court, Calcutta, since Feb. 11, 1949. b. December 27, 1904, s. of late Bhuvan Mohan Mitter of Khulna; m. Mrs. Jyotirmoyee Mitter; one d., Anita Mitter; *Educ.*: Oriol College, Oxford and Inner Temple, London. Professor of Economics, Commercial College, Delhi Univ., Dec. 1927-Nov. 1929; Acting Principal, Commercial College, Delhi Univ., Nov. 1929-March 1930; joined Calcutta Bar, May 5, 1931. Address: 8, Mandeville Gardens, Ballygunge, Calcutta.

MITTRA, Probodh Chandra, Ex-Director-General of Commercial Intelligence & Statistics and Director of Industrial Statistics, Govt. of India, s. of Dr. Gayendra Nath Mittra and Asha Lata Mittra; *Educ.*: Kanpur, Gobindapur, Kalna, Cuttack, New York and London. Graduate Residence Scholar, Columbia Univ.; first Univ. Fellow in Statistics at Columbia Univ.; Wattunall Research Fellow in New York. Analyst and Statistician, Econometric Institute, New York; Analyst and Statistician, Index Number Institute, New York; Economic Affairs Consultant, U.N., New York; Statistician, U.N. Lake Success; Research Adviser, Research Division, London School of Economics; Statistics Division, London County Council; London Editor, *Pacific Review*; Dir. of Industrial Statistics, Govt. of India; Fellow of the Royal Statistical Society, London; Member: Econometric Society, Chicago; Institute of Mathematical Statistics, U.S.A.; travelled widely in Europe U.S.A., Canada, Australia, New Zealand and the Middle East; visited Universities, research institutions, statistical and planning offices of about eighteen countries of the world. *Publications*: Several articles, papers and theses in economic, commercial, industrial and scientific journals of U.K., U.S.A. and India Address: 1, Council House Street, Calcutta Residence: Great Eastern Hotel, Calcutta.

MODAK, Narayan Vinayak, C.I.E. (Jan. 1945), B.E. (Civil) (1911), member of the Institution of Civil Engineers (London) (1936), F. R. San. I., M.I.E. (India), Special Engineer-in-charge of Valtarna Scheme. b. December 1890. Worked as Asst. Engineer with the Corporation of Hastings (England) for three years with the award of State Technical Scholarship; worked with two Railways (Central & Western) in the capacity of Sanitary Engineer and Consulting Engineer; worked as Hydraulic Engineer, Dy. City Engineer, City Engineer and Ag. Municipal Commissioner, Bombay Municipal Corporation; Pres. of the Bombay Engineering Congress, Engineering & Metallurgy Section of Science Congress, Institution of Engineers (India); Vice-Pres., the Indian Roads Congress; takes keen interest in technical education and has been connected with Bombay Univ., V. J. T. Institute, Poona Engineering Coll. and Board of Technical Education (Bombay State); has been responsible for the last twenty years for the design and execution of Municipal Engineering Schemes of great magnitude such as Drainage and Sewerage, Water-supply, Roads, Town-planning, etc.; was the joint author of "Master Plan" for Greater Bombay; nominated by the Central & State Govts. on various technical bodies, such as Housing Boards, Planning Commission, etc.; designed the Valtarna-cum-Tansa Scheme costing about Rs. 18 crores, for augmenting Bombay City's water supply and is now in charge of its execution;



is also executing the work of strengthening of Tansa Dam according to "Coynne" method; Special Engineer-in-charge of post-war reconstruction schemes and general development of Bombay city, Sept. 1946-54 Address: "Udyam," Shivaji Park, Bombay 28.

MODI, Govindlal Dhirajlal, M.A., LL.B., Proprietor, Gujarat Trading Syndicate, 41, Meadows St., Fort, Bombay, Importers and Suppliers of Materials, Handling Equipment, Litho and Offset Press Materials, Textile Mill Furnishers and General Merchants. b. Aso Sud 12, Samvat 1973 (Oct. 27, 1917), s. of Dhirajlal Chhaganlal Modi; m. Sharda, d. of Shantilal Tribhuvandas Malvi; one s. and one d.; *Educ.*: Bharda New High School, Bombay; Andheri High School, Andheri; St. Xavier's Coll., Bombay; Govt. Law Coll. and Univ. School of Economics and Sociology, Bombay. Was with Sir Shri Ram's Delhi Cloth and General Mills Co. Ltd., Delhi; then entered business and started the firm Gujarat Trading Syndicate, Bombay; member, The Indian Merchants' Chamber, Bombay; Vice-Pres., The Passengers' and Traffic Relief Assoc., Bombay. *Hobbies*: Reading; Tennis; Driving, etc. Address: Modi Nivas, No. 2, Dadabhai Cross Lane, Off Versova Road, Andheri



MODI, Raj Bahadur Seth Gujarmal, Chairman, Modi Industries, Modinagar (Meerut), U.P. b. August 1902, in the Modi family of Patiala State; *Educ.*:



Privately. Took to business at a very early age; first apprenticed as cashier and accountant in various concerns of his own; was later trained as Engineer and Miller in the Flour Mills of his father, which gave him an insight into the principles of business and finance and mechanical working of factories; founded 'Modinagar', an industrial town in Dt. Meerut, U.P.; has to his credit many inventions in the field of Engineering and Chemical control; established various industries, viz. Modi Sugar Mills Ltd., Modi Vanaspathi Mfr. Co., Modi Soap Works, Modi Glycerin Factory, Modi Food Products Co. Ltd., Modi Biscuit Co., Modi Confectionery Works, Modi Tin Factory, Modi Oil Mills, Modi Paints & Varnish Factory, Modi Hurricane Lantern Factory, and other Modi Group Factories at Modinagar and other places in the East Punjab and U.P.; has founded the Modi Spinning and Weaving Mills Co. Ltd., Modinagar with latest American Textile Machinery; Chairman, Sugar Mills Association, Western U.P.; Modi Charitable Fund Society and R. B. Multanival Charitable Trust; Founder and Chairman, Western U.P. Chamber of Commerce; A. I. Manufacturers' Organisation, Delhi; member, All India Polytechnic, Industrial Planning Committee, PEPSU; Central Advisory Council (Labour), U.P.; Economic Advisory Cttee., U.P.; Housing & Town Planning Board (Rehabilitation), Life Member, Mechanical Engineers' Assoc. of India; member, Northern Riv. Advisory Cttee.; philanthropist, his donations run into several lakhs; has established various public welfare institutions; has generously contributed to various charitable and public institutions; contributed Rs. 1 lakh to the Benares Hindu University for construction of a Technical Research Laboratory; has built an Industrial Colony known as 'Govind-puri', with the help of the U.P. Govt., to rehabilitate the displaced persons near Modinagar. *Hobbies*: Gardening and building. Address: P.O. Modinagar (Meerut), U.P.

MODI, Mr. Justice Inder Nath, B.A., LL.B., Judge, Rajasthan High Court, since Jan. 29, 1958. b. May 1905; Educ.: Had a brilliant educational career; graduated in Arts and Law, Allahabad Univ.; was placed on the roll of merit in the final LL.B. exam., 1935. General Secy., Jodhpur State, 1930-33; joined the Bar, 1935; enrolled as Senior Advocate, Supreme Court of India, 1951; elected Pres., Jodhpur Bar Assoc., 1938.



'39, '42, '43, '48, '49 and '51; elected member, Jodhpur Municipality, 1937, '39 and '44; first elected Pres., Jodhpur Municipality, 1940-41; member: Marwar Representative Advisory Assembly, 1942-44; Director, Local Self-Govt., Jodhpur State, 1945-46; elected member, Marwar Legislative Assembly, 1947-48; served on numerous Cttee. and Institutions connected with education, public health, Harijans, labour, municipalities, panchayats and legal and political subjects, 1937-52; Hony. Supdt., Sardar High School, Jodhpur, 1946-50; Pres., Red Cross and other allied Societies, 1950-52; member, Rajasthan Leg. Assembly, 1952; had a lucrative practice and argued many famous cases including the Jodhpur Railwaymen's Grievances case, 1943. Address: Jodhpur, Rajasthan.

MODI, Jadhavji Keshavji, B.A., LL.B., Minister of Education, Archaeology, Irrigation and P.W.D., Saurashtra Govt. b. Aug. 24, 1904, s. of Keshavji Haribhai Modi; Judge; m. Smt. Taralaxmi; one s. and three d.; Educ.: Bhavnagar, Pleader at Bhavnagar, Bhavnagar State of Kathiawar, 1928-41; Secy., Kathiawar Physical Culture League from 1928; Secy., Praja Parishad, Bhavnagar, from 1938; imprisoned in connection with the Individual Satyagraha Movement, 1941; was under detention, Aug. 31, 1942-Nov. 6, 1948. Address: Rajkot.

MODI, Rainsada K. N., Managing Director, Modi Spinning and Weaving Mills Co., Ltd., since 1948. b. May 22, 1921, in the Modi family of Patiala and Modinagar, younger brother of Rai Bahadur Gujarmal Modi; Educ.: Patiala. Started business career as General Manager, Modi Food Products Co., Ltd.; became Director of various companies, such as, Modi Food Products, Modi Supplies Corporation, Bhatinda Electric Supply Company, Patiala Flour Mills Co., Ltd., Modi Sugar Mills Ltd. and R. B. Gujarmal Modi and Bros. Ltd.; Pres., All-India New Textile Mills Assoc.; made an extensive business tour of the Continent, U.S.A., and Canada; Member, District Labour Welfare Advisory Cttee., Meerut. Recreations: Driving and sports, especially cricket. Clubs: Indian Culture League, Bombay; Wheeler Club, Meerut; Rotary Club Meerut; Chelmsford Club, Delhi and National Sports Club of India; Delhi Flying Club Ltd. Address: P.O. Modinagar, District Meerut, U.P.



MODY, Sir Romi, M.A., LL.B., F.R.S.A., K.B.E. (1935), Grand Commander, Order of George I of Greece, Ex-Governor of U.P. Dir., Tata Sons Ltd. b. Sept. 23, 1881, s. of Peroshaw B. R. Mody; m. Jeebai, d. of Kavaji Dadabhai Dubash, March 26, 1917; Educ.: St. Xavier's Coll., Bombay. Pres., Bombay Municipal Corporation, 1923-24; Chairman, Bombay Millowners' Association, 1927 and 1929-34; President, Indian Merchants' Chamber, Bombay, 1928; President, Employers' Federation of India; member, Indian Leg. Assembly, 1929-43 and Constituent Assembly, 1948-49; member, First Round

Table Con., 1929 and Reserve Bank Cttee. of the Conference, 1934; Member for Supply, Viceroy's Executive Council, 1941-43 and Deputy (Chairman) of the War Resources Cttee. of the Council; Governor of Bombay, Sept. 1947; Employers' delegate, International Labour Conference, Geneva, 1937; Chairman, Central Bank of India and Indian Hotels Co. Ltd.; Pres., Cricket Club of India; Vice-Chairman, Tata Hydro-Electric Agencies Ltd.; Hon. LL.D., Banaras, Aligarh and Poona Univs.; D. Litt., Agra Univ. Clubs: Royal Automobile, Overseas League (London), Asian, Ripon, Willingdon, Royal Western India Turf, Cricket Club of India, Bombay, Delhi Gymkhana. Publications: *The Political Future of India: Biography of Sir Pherozshah Mehta*. Address: "Spirospero," Carmichael Road, Cumballa Hill, Bombay.

MOGHE, Mahadeo Atmaram, M.A., M.Sc., Ph.D. (London), F.Z.S., F.A.Sc., F.N.I., Professor, Birla Coll., Pilani. b. April 21, 1896, Jabalpur, M.P., s. of A. K. Moghe; m. Kamalabai; two s. and three d.; Educ.: Hilsop Coll., Nagpur; St. Xavier's Coll., Bombay; Univ. Coll., London. Registrar, Nagpur Univ.; Registrar, Poona Univ.; Dean, Faculty of Science; President, Zoology section, Indian Science Congress, Bangalore, 1946; Pres., Indian Zoological Society, 1951; Prof., Coll. of Science, Nagpur; Principal, King Edward Coll., Amravati. Publications: Several papers on Helminthology and Embryology. Recreations: Travel, Collections. Club: Gondwana Club, Nagpur. Address: Birla College, Pilani.

MOHAMMADGARE: Nawab Mohammad Sabir Quli Khan Bahadur Safdarjang Dilerjang, Nawab of the former State of b. January 23, 1929, at Bhopal, s. of Nawab Siddiq Quli Khan Bahadur Safdarjang Dilerjang, Ex-Ruler of the former Mohammadgarh State and Ulye Hazrat Nawab Asad Begum Saheba who belongs to the family of Nawab-ud-Daula Nawab Baqi Mohammad Khan Bahadur Nasratjang of Bhopal; m. Sultan Dulan Nawab Khurshed Nikandar Bakht Begum Sahiba, d. of Sardar Shree Manmoo Shah Sahib Bahadur of Gwalior, April 9, 1952; Educ.: Daly Coll., Indore, where he had a distinguished academic career; passed the Senior Cambridge Examination in the first division, 1947. Succeeded to the gadi, on abdication by his father; was invested with full ruling powers, August 2, 1947; belongs to the senior branch of the House of Nawab Ahsanullah Khan Bahadur Safdarjang, who is also the ancestor of the Rulers of Kurwai and Hyderabad Basoda was the ninth Ruler of this dynasty at the time of the merger of the State with Madhya Bharat. Address: Mohammadgarh, Madhya Bharat.



MOOKERJEE, Baidyanath, Minister for Supply, Procurement, Consumer Goods, Textile, Development of Trade and Commerce, Development of Major Industries and Planning Departments, Govt. of Assam. b. 1900; Educ.: Graduate in Arts of the Calcutta University. m. Smt. Nanda Rani, d. of late Rai Nagendra Nath Chaudhury Bahadur; six s., Dilip Kumar Mukherjee, Kaliprasad Mukherjee, Satyabrata Mukherjee, Anugulshan Mukherjee, Devajyoti Mukherjee and Ashoke Kumar Mukherjee and two d., Indrani Chatterjee, Shivani Mukherjee. Elected M.L.A., Assam and member, Sylhet Municipal Board, 1937; appointed Finance Minister in the Coalition Ministry; Dy. Leader, Assam Assembly Congress Party and Minister in the Bardoloi Cabinet, 1946-47; Pres., Assam Chamber of Commerce; Deputy High Commissioner for India at Dacca; formerly Fellow, Dacca and Calcutta Univs.; is Fellow, Gauhati Univ. Address: Stonycroft, Shillong, Assam.

MOOKERJEE, Sir Biren, M.A. (Cantab.), M.I.E. (Ind.), Kt. (1942), Managing Director, Martin Burn Ltd., Calcutta. b. Feb. 14, 1890, s. of late Sir Rajendra Nath Mookerjee; m. Ranu Priti Adhikari, d. of late Phani Bhushan Adhikari, 1925; one s. and two d.; Educ.: Hastings House and Sibpur Engineering Coll., Calcutta; Trinity Coll., Cambridge. Joined Martin & Co. as an Assistant, 1924; made partner, Burn & Co., 1931 and Martin & Co., 1934; was closely associated with the negotiations which led to the formation of The Steel Corporation of Bengal Ltd., 1937 and the subsequent construction of the steel works at Napuria alongside the Hirapur Works of The Indian Iron & Steel Co. Ltd., during World War II, appointed to the Munitions Board and the Defence Council; elected Sheriff of Calcutta, 1940; was Chairman, Calcutta Board of the Imperial Bank of India; Governing Body, Sibpur Engineering Coll.; Fellow, Faculty of Engineering of the Calcutta Univ.; was member, Indian Mission which negotiated Rs. 15 crore loan from the World Bank to the Indian Iron & Steel Co. Ltd. Address: 7, Harrington Street, Calcutta 16.



MOOKERJEE, Dr. E. C., M.A. (English), First Class First, Univ. Gold Medalist, Ph.D., Governor of West Bengal, since Nov. 1, 1951. b. 1877. Professor of English, City College, Calcutta, 1899-1914; Lecturer in English, Calcutta Univ., 1914-16; Secy., Post-Graduate Dept., Calcutta Univ., 1916-18; Inspector of Colleges, Calcutta Univ., 1918-37; Head of the Dept. of English, Calcutta Univ., 1937-42; Pres., All-Bengal Teachers' Assoc., 1937-39; All-Bengal Coll. and Univ. Teachers' Assoc., 1938-40; All-India Council of Indian



Christians, 1937-39; General Organising Secy., All-India Council of Indian Christians, 1939-44; M.L.A., Bengal, 1937-42; Editor-in-Chief, *Calcutta Review*; Vice-Pres., Indian Constituent Assembly, 1947-51. Publications: *He Follows Christ*; *Indians in British Industries*; *Congress and the Masses*; *Some Non-Political Achievements of the Congress*; *Why Prohibition?*; *Our Hemp Drugs Problem*, etc. Address: Governor's Camp, Calcutta.

MOOKERJEE, Dr. Himadri Kumar, D.Sc. (Lond.), D.I.C., F.N.I., University Professor and Head of the Dept. of Zoology, Univ. of Calcutta. b. Oct. 18, 1899; m. Mrs. J. Mookerjee; one s. and three d.; Educ.: Calcutta University; London University. Publications: Many original papers in Embryology & Fisheries in the leading Journals of Europe, America and India. Address: 35, Ballyganj, Circular Road, Calcutta 19.

MOOKERJEE, Kalipada, Minister for Labour, West Bengal. Took active interest in students' movements; sponsored and organised the widespread national volunteer organisation on the lines of the national scout movement; joined the Non-co-operation movement, 1921; courted imprisonment in almost all the freedom movements; was member A.I.C.C. for 15 years; was an office-bearer of the Bengal Congress for a long time; was General Secy., Bengal Prov. Congress; was one of its Vice-Presidents; was a close associate of Netaji Subhas Chandra Bose; conducted relief organisation during the North Bengal flood and was also actively associated with the relief organisation during both the Dacca and Noakhali communal riots; was elected to the Bengal Leg. Assembly, June, 1947; appointed Minister in the first Congress Cabinet, 1947; appointed Chairman, West Bengal Minority Commission, under the Indo-Pakistan Agreement; led

the Indian delegation to the second session of the Industrial Cttee. on cotton textiles at Geneva, Oct.-Nov. 1948. *Address:* Minister for Labour, West Bengal, Calcutta.

MOON, Edward Fendler, M.A. (Oxford), O.B.E. (1941), Adviser. Planning Commission since Sept. 1952. *b.* November 18, 1905, *s.* of E. O. Moon, M.D., F.R.C.P.; *Educ.:* Winchester and New College, Oxford. Fellow of All Souls College, Oxford, 1927; entered I.C.S. (Punjab Commission), 1929; Under-Secretary, Punjab Government; Deputy Commissioner, Multan; Secretary to the Governor, Punjab; Deputy Commissioner, Amritsar; resigned from I.C.S. in January 1944; served in the Yugoslav Commission of U.N.E.B.A., 1944-45; Secretary, Development Board (Government of India), 1946; Revenue Minister, Bahawalpur State, 1947; Deputy Chief Commissioner, Himachal Pradesh, 1948-49; Chief Commr., Himachal Pradesh, 1950-51; Chief Commr., Manipur, 1951-1952. *Publications:* *Strangers in India; The Future of India; Warren Hastings and British India. Recreations:* Riding, Shooting and Singing. *Club:* Athenaeum. *Address:* c/o Planning Commission, New Delhi.

MOOTHEM, Mr. Justice Orby Howell, E.D., M.Sc. (Econ.) (Lond.), Bar-at-Law, Judge, High Court, Allahabad, since 1946. *b.* Feb. 17, 1901; *m.* Maria Augusta Elizabeth Niemöller; one *s.* and one *d.*; *Educ.:* privately; London Univ.; called to the bar (Inner Temple), 1925. Enrolled as Advocate, Rangoon High Court, 1927; Deputy Judge Advocate-General, Army in Burma, 1941-42; Asstt. Judge Advocate-General, G.H.Q. (India), 1942-43; Legal Adviser and subsequently Chief Judicial Officer, British Military Administration, Burma; mentioned in Despatches, 1946; appointed Acting Judge of the High Court of Judicature at Rangoon, Dec. 1945; Chairman, Allahabad Univ. Enquiry Cttee., 1952-53. *Publications:* *Burmese Buddhist Law* (1939). *Recreations:* Golf; Map collecting. *Address:* 9, Hastings Road, Allahabad.

MORAES, Frank Robert, M.A. (Oxon.), B.A. (Bombay), Bar-at-Law, Editor, The Times of India, Bombay, since November 1950. *b.* Nov. 12, 1907, *s.* of late A. X. Moraes, I.S.E. (Retd.); *m.* Dr. Beryl D'Monte; one *s.*; *Educ.:* Bombay and Oxford Universities; member of Lincoln's Inn, London. Assistant Editor, *The Times of India*, 1935-46; Editor of *The Times of Ceylon*, 1946-48. War Correspondent, Burma-China, 1942-45; Acting Editor, *The Times of India*, April 11-Aug. 14, 1949; Deputy Editor, *The Times of India* till March 1950; Editor, *The National Standard*, March-Nov. 1950; was member, Indian Cultural Delegation to China, April-June 1952. *Publications:* *Introduction to India* (with Robert Stimson); *Story of India: Report on Mao's China* (1953). *Clubs:* Willington; Rotary. C.C.I. *Address:* D-3, Mafatalai Park, Bhulabhai Desai Road, Bombay 26.

MORAES, Dr. Joseph Ignatius Condorceth, M.B., B.S., J.P., Hon. Pres. Magistrate, Bombay. *b.* Nov. 16, 1900 at Cuncolim, Goa, *s.* of the late Filipe Moraes, m. Effie Freitas, *d.* of the late Capt. A. M. Freitas, I.M.S.; three *s.*; *Educ.:* Primary English and Portuguese, Goa; St. Xavier's and Grant Medical Colleges, Bombay. Later Post-Graduate in Children's and Eye diseases, Amal Hospital, Parel; was House Physician, G. T. Hospital, Bombay; interested in social work; member, Bombay Medical Union; Bombay Provincial Congress for several years; ex-member, Central Council of the Goan Union, Bombay, 1946; ex-Pres., Scindia Steam Navigation Co. Stewards' Union; Vice-President, Associação Goana Mutual Ltd.; Ex-President, Instituto Lus Indiano, Bombay. *Address:* 386, Orsua Road, Bombay 2.

MORAES, George Mark, Professor of History, St. Xavier's College. *b.* May 11, 1905; *m.* Julia Rodrigues; *Educ.:* St. Aloysius College, Mangalore; St. Xavier's College, Bombay; M.A. First Class in History; Chancellor's Medalist; Sir William Wedderburn Scholar; Springer Research Scholar. Post-graduate Teacher of Indian History and Archaeology, University of Bombay; Director, Konkani Institute of Arts and Sciences, Bombay; member of the Indian Historical Records Commission; member, Board for Historical Records and Ancient Monuments; Hon. Secy., Bombay Branch, Royal Asiatic Society; Joint Secy., Indian History Congress. *Publications:* *Mangalore, A Historical Sketch; The Kadamba Kula; A History of Ancient and Medieval Karnataka; Bibliography of Indological Studies*, 1942, 1943, 1944 (3 Vols.); *Maratha-Portuguese Relations*, etc., etc. *Address:* 9, New Marine Lines, Bombay 1.

MORARKA, Radheshyam Ramkumar, B.Com (Bombay), M.P.E. b. March 26, 1923. *s.* of Ramkumar Shrinivas Morarka; *m.* Smt. Narmadabai, one *s.*; *Educ.:* Sydenham Coll. of Commerce and Economics, Bombay. Visited U.S.A. and Europe six times in connection with studying modern methods of management; is a keen student of economic planning and business management; is writing a thesis on "Company Management" for his Doctorate under Dr. Muranjan of the Sydenham Coll., Bombay. *Recreations:* Motor driving, Horse riding, Touring, Tennis, Badminton, Table tennis and Bridge. *Clubs:* Cricket Club of India, Bombay; Hindu Gymkhana, Bombay National Sports Club; Mafatalai Swimming and Boating Club, Bombay *Address:* 24B, Carmichael Road, Bombay 26.



MORE, Shankarrao Shantaram, B.A., LL.B., M.P. Pleader and Public Worker. Ex-Secy., Peasants' and Workers' Party. *b.* Aug. 1, 1890, of a poor family; *m.* Smt. Shantabai More; four *s.* and one *d.*; *Educ.:* Fergusson Coll., Bombay Law Coll., Poona Law Coll.; Fellow, Univ. of Bombay, 1933-38; Pres., Dist. Local Board, Poona, 1935-40; Chairman, Primary Teachers Training Cttee., Bombay; member, Local Self-Govt., Enquiry (Kalo) Cttee. and Separation of the Judiciary from the Executive (Lokur) Cttee.; Ex-Member, All-India Congress Cttee. *Publications:* Several books and pamphlets on educational, Local Self-Govt. and other political problems. *Recreation:* Reading. *Address:* 279, Shivaji Nagar, Poona 5.

MOSES, Angelo, M.A., F.R.A.C., B.P.E., Professor of Philosophy and Lieutenant in the National Cadet Corps. *b.* 1910, *d.* *s.* of the late Dr. S. T. Moses, Director of Fisheries, Baroda State; *Educ.:*



Andhra Univ. where he was a student of Sir S. Radhakrishnan; was First in Univ. in Philosophy; won two Gold Medals, two Silver Medals and three First Prizes in Essay-writing Competition. Participated in the All-India Physical Education Conference at Amrathi, 1946; has won 82 trophies in Tennis, Hockey and Badminton tournaments; Secy., Baroda Y.M.C.A.; to Major Shrinant Sardar C. S. Angre Saheb Bahadur of Gwalior; to Rai Saheb Chaudhry Pratap Singh of Multan; Professor, C. S. Coll., Sikarpur, Sind. *Publications:* two books on Logic and nearly 400 articles in leading English Journals and Newspapers; has contributed papers to the Indian Philosophical Congress, since 1940. *Address:* Khalsa College, Bombay.

MOTILAL Bawalal, B.A., Share and Stock Broker, and Metal Merchant. *b.* 1896 at Jamnagar; *m.* Smt. Manharbai, *d.* of Kalidas Laljee of Porbunder, 1922; 2 *s.* and 1 *d.*; *Educ.:* Jamnagar High School and Bahauddin Coll., Junagadh, graduated 1919. Worked as an Assistant in a cotton firm and also as a working partner with Langley & Co.'s Share Dept. Purchased his card in 1925 and started his firm, Motilal Bawalal & Co. and also Bombay Metal Industries in 1948. Director, Bombay Stock Exchange, 1930-35; Pres., Shree Girinaraayan Sahayak Mandal, Vice-Pres., Gurjar Brahmin Education Society; Trustee, M.P.B. (Charitable Trust); Mx. Dir., Surendra & Co. Ltd.; a member of the Managing Cttee. of Santa Cruz Education Society; member, Indian Merchants' Chamber, Bombay, Bullion Exchange, Seeds & Oil Mission, and Yarn Exchange, Jamnagar; Member, Cricket Club of India. *Address:* Agakhan Building, Dalai Street, Fort, Bombay. *Residence:* 'Manohar', 27, Marine Lines, Fort, Bombay.



MUDALIAR, A. M. Balasundara, B.A., Registrar, Annamalai Univ., since Dec. 1951. *b.* April 8, 1890; *m.* Smt. Meenakshisundaram, *d.* of T. K. Krishnaswamy Pillai; two *s.* A. M. Mauriappan, M.A. and A. M. Rajendra Bahu and two *d.*, A. M. Saraswathi, M.B., B.S. and A. M. Lakshmi, B.Com.; *Educ.:* Pachayappa's Coll., Madras. Joined as Clerk, Public (Reforms), 1918; Dy. Secy., Finance Secretariat, 1948; Asstt., Surgeon-General (Accounts), 1948-51; Special Officer for Reorganization of Offices of the Annamalai Univ., May-Dec. 1951; is keenly interested in Harijan uplift. *Publications:* Compiled and published the Annamalai Univ. Office Manual. *Recreations:* Dramatic and sports activities. *Clubs:* Government Officials Party, Madras; Sukrutha Lakshmi Vilas Sabha, Broadway, Madras. *Address:* 35, Ponnappa Mudali Street, Vepery, Madras.

MUDALIAR, Sir A. Lakshmanaswami, M.D., LL.D., D.C.L., D.Sc., F.R.C.O.G., F.A.C.S., Vice-Chancellor, University of Madras, since Aug. 1942. *b.* Oct. 14, 1887, *s.* of A. Kuppaswami Mudaliar; *m.* Sri. Radhai Bai; three *s.* and one *d.*; *Educ.:* Christian and Medical Colleges, Madras. Joined Madras Medical Service; Prof. of Obstetrics and Gynecology, Medical Coll., 1934-42; Supdt., Govt. Hospital for Women and Children, Egmore, and Principal, Medical Coll., 1939-1942; Member, Syndicate, Madras Univ., since 1925; acted as Vice-Chancellor, 1936 and 1940; Chairman, Inter-Univ. Board, 1948-49 and of its Standing Cttee., 1949-51; member, Indian Medical Council, since its inception; All-India Council of Technical Education; All-India Council of Scientific and Industrial Research; and of its Governing Body; Chief Commissioner, Madras Prov. Boy Scouts Assoc.; member and Dy. Leader, Indian Delegation to the World Health Organization; Chairman, Executive Board of the World Health Organization. *Publications:* *Clinical Obstetrics; Ante-Natal and Neo-Natal Mortality of Infants; Case-book for Midwives.* *Clubs:* Cosmopolitan, Madras; Kodakkanal Boat Club. *Address:* Kensington, Kilpauk, Madras.

MUDALIAR, Sir S. Ramaswami, M.P. Diwan Bahadur, K.C.S.I. (1937). *b.* October 14, 1887; *Educ.:* Christian, and Law Colleges, Madras. Advocate, Madras; member: Leg. Council, Madras, 1920-26; Pres., Municipal Council, Madras, 1928-30; member: Council of State, 1930; Indian Leg. Assembly, 1931-34; R.T.C. Federal Structure Cttee.; and Indian Franchise Cttee.; Indian Reserve Bank Committee; member, Indian Delegation to British Commonwealth Relations Conference, Toronto; member: Special Textile Tariff Board; India Council; Hon. Editor, *Justice*, 1927-35.

delivered the Rt. Hon'ble V. S. Srinivasa Sastry foundation lectures, Madras Univ., 1933; member, Economic Committee, League of Nations; Member, Viceroy's Executive Council for Commerce Dept., 1939-42; Supply member, 1943, proceeded to San Francisco as leader of the Indian Delegation, March 11, 1945; was also Chairman of Economic Ctee. of the Conference; India's representative on the Preparatory Commission to the U.N.O., Nov. 1945; elected Pres. of the Economic and Social Council of the U.N.O., 1946; Leader, Indian Food Delegation to U. K. and U.S.A., 1946; re-elected President, Economic and Social Committee, U. N. O., 1947; Hon. D.C.L. of the Oxford Univ., 1946; Senior Vice-Pres., Economic and Social Council, 1950, 1951; Chairman, U. N. Ctee. on Forced Labour; Dewan, Mysore State, Aug. 1946-Aug. 1949. *Addresses*: Kensington, Kilpauk, Madras, D-1, Clive Buildings, Calcutta.

MUDALIAR, S. Vaithianatha, G.M.V.C., Training in the Indian Veterinary Research Institute, Mukteswar; Ex-Principal and Lecturer in Parasitology, Madras Veterinary Coll. b. June 15, 1895, s. of N. T. Subramania Mudaliar, Agriculturist, Tirunelveli Dist.; m. Srim. Alagammal; two s.; *Educ.*: Hindu High School, Ambasamudram; St. Joseph's Coll., Tiruchirappalli; Veterinary Coll., Madras. Veterinary Asstt. Surgeon, Civil Veterinary Dept., Madras; Asstt. Lecturer in Parasitology, Madras Veterinary Coll.; Lecturer in Parasitology, Madras Veterinary Coll. *Publications*: Scientific papers on research in Parasitology (more than 25) published in Journal of Veterinary Science and Animal Husbandry, New Delhi; Indian Veterinary Journal, Madras; Current Science, Bangalore; Proceedings of the Academy of Sciences, Bangalore; Retd. from Service, June 15, 1950. *Address*: "Diana", 13, G. Ormes Road, Kilpauk, P.O. Madras 10.

MUDHOLKAR, Mr. Justice Janardan Ranganath, B.A., LL.B. (Cantab.), Bar-at-Law, Judge, High Court of Judicature, Nagpur, since June 1948. b. May 9, 1902, *cl. s.* of late R. N. Mudholkar (Advocate), & Ex-President, Indian National Congress) and Shrimati Radhabai m. Manorama, *cl. d.* of N. M. Patwardhan (Bar-at-Law & Retd. District & Sessions Judge, Poona) and Shrimati Laxmibai; two s., Ashok and Dhyanajaya, and two d. Prabhavati and Vijayalakshmi; *Educ.*: Elphinstone High School, Bombay; Elphinstone College, Bombay; Sidney Sussex College, Cambridge; Lincoln's Inn, London. Practised at the Bar at Amraoti, 1925-29 and at Nagpur, 1930-41; District & Sessions Judge, Sept. 1941-June 1948. *Recreations*: Golf, Tennis and Billiards. *Clubs*: Gondwana Club and C.P. Club, Nagpur. *Address*: 38/1, Civil Lines, Nagpur.

MUGALI, Ranganath Shrinivas, M.A., B.T. (Bombay), Professor of Kannada and Sanskrit, Willingdon College, of D.E. Society, since 1933; recognised as University Teacher for Ph.D. by the Poona Univ. since 1951. b. July 15, 1906; *Educ.*: P. D. J. High School, Bijapur; Karnatak Coll., Dharwar. Life member, D.E. Society, since 1937; Pres., Dramatic Section, Kannada Literary Conference, Hyderabad, 1941. Elected member, Karnatak University Senate, 1950 and member, Academic Council, 1952. *Publications*: *The Heritage of Karnatak (in relation to India)*; Poems: *Baigya* (1940); *Aparakarune* (1951); *Om Ashantih* (1951); Novels: *Baluri* (1934); *Karanapurushu*; *Anna* (1948); *Drauna*; *Seetapadipa* (1936); *Ak-kamahadevi* (1937); *Pavanapavaka* (1937); *Namadhari* (1939); *Vijaya Samrajya* (1948); *Manoraja* (1950); *Etilda Kai* (1946) (Collection of one-act plays); Short Story: *Kanasina Kridai* (1943); Criticism: *Kannada Kadamba-bargalva* (1945); *Rannana Kritiratna* (1946) (All in Kannada). *Recreations*: Tennis, Hiking. *Address*: Willingdon College, Dist. South Satara.

MUJEEB, Muhammad, B.A., Vice-Chancellor, Jamia Millia. b. Oct. 30, 1902, s. of M. Naseem, Advocate, Lucknow; m. Smt. Asifa Begum; one s.; *Educ.*: Oxford Univ., England. Joined the Jamia Millia, 1926; has fulfilled a pledge of 20 years' service. *Publications*: *History of Russian Literature*; *History of European Political Thought*, *Story of the World* (in Urdu), and four plays. *Address*: Jamia Millia, Jamianagar, New Delhi.

MUKERJEE, Harendra Nath, M.A. (Calcutta et Oxon.), B.Litt. (Oxon.), Barrister-at-law, M.P. Educationist. b. Nov. 23, 1907, s. of late Sachindra Nath Mukerjee; m. Smt. Bibha (née Chatterjee); one s. and one d.; *Educ.*: Calcutta and Oxford. Lecturer in History and Politics, Amrita Univ. (1934-35); Lecturer, Calcutta Univ. (1939-44); Head of the Dept. of History, Surendranath Coll., Calcutta, since 1936; member: A.I.C.C., 1938; Bengal Provincial Ctee., Communist Party of India, 1947-49; Editor, "Indo-Soviet Journal", (1941-45); Vice-Pres., Bengal Provincial Trade Union Congress, 1948; detained without trial (1948-49), elected Member of Parliament from Calcutta North-East, Jan. 1952. *Publications*: *An Introduction to Socialism* (1939); *China Calling* (1942); *Under Marx's Banner* (1944); *India Struggles for Freedom* (1946), and other volumes in English and in Bengali. *Recreations*: Browsing among books and watching cricket. *Club*: Bar Library Club, Calcutta. *Address*: 14, Indian Mirror Street, Calcutta 13.

MUKERJEE, Susil Kumar, M.Sc. (Cal.), Ph.D. (Edin.), F.B.S., F.L.S., Curator of the Herbarium since 1938. b. August 28, 1900; m. Sm. Padmabati Debi; *Educ.*: Univ. of Calcutta, Univ. of Edinburgh. Carried on research work in Botany, in Royal Botanic Gardens of Cal., during 1935-36, Edinburgh, 1936-38, Kew, London, and British Museum of Natural History, London, in 1937 and 1938; member of Bangiya Bijnan Parishad, the Botanical Society of Bengal, the Indian Botanical Society and the Asiatic Society, Calcutta; deputed by Government of India to explore the forests of East Nepal in 1947 with the Snow Survey Party and in 1948 to survey the forests of South Naga Hills. *Publications*: A monograph on the Indian and Burmese plants of the Mint family, and several papers describing 21 new species of plants and six new varieties, and making several changes of nomenclature of plants and publishing results of original research. *Address*: Indian Botanic Garden, Calcutta.

MUKERJI, Dr. Bishnupada, D.Sc. (Michigan), M.B. (Cal.), M.P.S., F.N.I., F.A.Ph.S., F.A.A.S., Director, Central Drug Research Institute, Lucknow. b. June 1, 1903; *Educ.*: Calcutta; Michigan (U.S.A.); awarded Fellowship under the Rockefeller Foundation, Sigma XI Award, Michigan Chapter, 1933-36; visited extensively the laboratories in China, Japan, America, Great Britain, France, Germany, Belgium, Czechoslovakia and Austria and almost all the Univ. Centres and Research Organisations in India and Far East; again visited Europe and U.S.A., 1950 and 1951; Offg. Director, Biochemical Standardisation Laboratory, Calcutta (now Central Drugs Laboratory), 1941-47; Director, Central Drugs Laboratory and Pharmacognosy Laboratory, 1948-51; Jt. Secy., Co-ordination Ctee. of I.P.C.; member, International Pharmacopoeia Commission, Geneva. *Publications*: two books; *Tropical Therapeutics and Pharmacognosy of Indian Root Drugs*; more than 130 papers in Scientific Journals of India and abroad; Studies in Pharmacology and Bioassay. *Address*: Central Drug Research Institute, Chatter Manzil Palace, Lucknow.

MUKERJI, Dharendra Narayan. b. 1890, Uttarpara Raj family of Bengal; m. Nilima Banerjee, 1931; one s. and one d. Joined the Congress N. C. Movement, 1921; offered Satyagraha, 1941; Security Prisoner, 1942 Movement; elected M.L.A., Bengal on Congress

ticket, 1937, 1946 and 1952; Chief Whip, Assembly Party till the partition of Bengal, 1947; member, Separation Council for partitioning the assets of old Bengal Govt.; Chief Whip, West Bengal Govt., 1948-50; member: Indian Central Coconut Ctee.; Ex.-Ctee., Bharat Chamber of Commerce; Federation of Indian Chambers of Commerce & Industry's representative on the Governing Body of the Indian Statistical Institute's Research and Training School; Founder, Hooghly Bank Ltd.; Director: Roopacherra Tea Co., Ltd., Tirihannah Co., Ltd., Tyroon Tea Co., Ltd., Victoria Cotton Mills Ltd. *Publications*: Many articles on finance and commerce. *Clubs*: Calcutta, Darjeeling Gymkhana. *Addresses*: 67, Joy Kissen Street, Uttarpara, Dr. Hooghly; 42, Chowringhee, Calcutta 16.

MUKERJI, Rai Sahib Phanindra Mohan, M.A. (Cal.), M.A. (Delhi), ex-Director-General of Commercial Intelligence and Statistics, Govt. of India. b. Dec. 9, 1896, s. of S. M. Mukerji, Landlord and Mrs. D. Mukerji; m. Smt. Protiva Chatterjee, d. of late Dr. M. N. Chatterjee; one s., A. Mukerji and one d., Mrs. J. Chatterji; *Educ.*: Calcutta, Ripon College, Univ. Post-Graduate Classes. Joined Central Govt. Services, 1921 and held various appointments; was Under Secy., Commerce Ministry; Second Secy., Central Board of Revenue, and Under Secy., Finance Ministry (Revenue Division); Joint Chief Controller of Imports; Deputy Secy., Commerce Ministry; O.S.D. (Imp. Tr. Control), attended International Regional Conference of Statisticians as Chief Indian Delegate at Rangoon, 1951 and also International Working Party Conference on Trade Statistics at Bangkok, 1952. *Recreations*: Walking, Travelling and Commercial Subjects. *Addresses*: 202-C, Bowbazar Street, Calcutta 12.

MUKESH, noted playback singer and producer of films. b. July 22, 1923, at Delhi, s. of Zoravar Chand; m., one s. and two d. Came to Bombay to work as a film artist, appeared in some films but gave up acting in favour of singing for noted artists; has numerous film song hits to his credit, himself turned producer in 1950 and has made a film called "Matihar", is one of the first producers to try many new, unknown faces in a maiden picture; has now established his reputation in the industry; owns the Company Mukesh Films. Has sung and played the leading role in his second picture "Anuraag". *Address*: Office: 229, famous Cine Laboratory & Studios, Mahalaxmi, Bombay. *Residence*: Sugar Mandir, Shivaji Park Seaface, Mahim, Bombay.

MUKHERJI, Mr. Justice Prasanta Bihari, B.A. (Hons.), LL.B., Barrister-at-Law, Judge, High Court, Calcutta, since Jan. 23, 1950. b. July 30, 1910, *cl. s.* of Rai Bahadur Bijay Bihari Mukharji, former Director of Land Records & Surveys, Bengal, and Mrs. Sthalapadma Mukharji; m. Miss Geeta Roy, B.A., *cl. d.* of Rai Bahadur Mallinath Roy, formerly Manager of the Calcutta Improvement Trust, and Mrs. Subhasini Roy, 1936; one s.; *Educ.*: Hindu School, Calcutta; B.A. (Hons.) in Economics from Pres. Coll., Calcutta Univ., 1929; won Scholarships in the Matriculation and Intermediate Examinations; LL.B., 1931; called to the Bar, Middle Temple, London, June, 1933. Practised at the Calcutta Bar; a Senior Advocate of the Federal now Supreme Court of India; appointed Junior Standing Counsel to the Govt. of West Bengal, Dec. 1947; elevated to the Bench of the Calcutta High Court, Dec. 1948; Addl. Judge, January, 1949; appointed Pres., Commission of Enquiry for West Bengal and Assam under the Indo-Pakistan Agreement, 1950; member, Executive Ctee., Visva-Bharati, Santiniketan, West Bengal; member, Executive Ctee., Calcutta Zoological Gardens; interested in animals especially dogs. *Recreations*: Gardening, Music, Painting and Photography. *Clubs*: Calcutta Club; Royal Asiatic Society of Bengal; Alsatian Club. *Address*: 36, Ballygunge Park, Calcutta 19.

MUKHERJEE, Mr. Justice Bijan Kumar, M.A. (History), B.L. (Gold Medalist), M.L. (Gold Medalist), Doctor of Law, Ananth Deb Research Prizeman, Tagore Law Lecturer, Calcutta University, Saraswati (Sanskrit), Judge, Supreme Court of India, from Jan. 26, 1950. b. August 15, 1891, s. of R. D. Mukherjee and Sarat Kumari Devi; m. Labanyalata Devi; one s. Amla Kumar Mukherjee; *Educ.*: Hooghly College, Bengal; University Law College, Calcutta. Joined Calcutta Bar, 1914; Junior Govt. Pleader, Calcutta High Court, 1934; Senior Govt. Pleader, Calcutta High Court, 1936; Judge, Calcutta High Court, Nov. 1936-Oct. 1948; Judge, Federal Court of India, Oct. 1948-Jan. 1950; member, Bengal Boundary Commission, 1947; Fellow of the Calcutta Univ.; Pres., Bengal Sanskrit Assoc.; is associated with Scout Movement in Bengal and acted as District Commissioner, South Calcutta Boy Scouts' Assoc.; connected with literary and cultural societies, e.g., Bihudha Janani Sava, Nabadwip, Gita Sava, Calcutta, Sanskrit Sahitya Parishad, Calcutta, etc. *Publications*: Problems of Aerial Law, Hindu Law of Religions and Charitable Trust. *Address*: 10, Albuquerque Road, New Delhi.

MUKHERJEE, Jnanendra Nath, B.Sc. (Hons.) (Calcutta), M.Sc. (Calcutta), D.Sc. (London), C.B.E. (1944). Director, Central Building Research Institute, Roorkee. b. April 23, 1893, s. of Duradas Mukherjee and Saraswati Banerjee. m. Ajita Chaudhuri; one s., Debapriya. *Educ.*: Presidency College, Calcutta. Frenchland Roychand Scholar, Calcutta Univ., Monat Medal, Calcutta Univ., King George's Medal, began as Assistant to Prof. Professor of Chemistry, Calcutta Univ., 1915. Lecturer in Chemistry, Univ. College of Science and Technology, 1917. Professor of Chemistry, Calcutta Univ., 1921-45; associated with many Indian and International Institutes and Associations; Director, Indian Agricultural Research Institute, New Delhi, 1945-50; Director, Central Building Research Institute, 1950; member, Bureau and Executive Board, International Council of Scientific Unions and Vice-Pres., International Soil Science Congress, 1950; Pres., Indian Science Congress Assoc., 1952. *Publications*: Numerous papers on Colloids, Soil Science, Physical Chemistry. *Address*: 10, Puran Chand Nahar Avenue, Calcutta 13.

MUKHERJEE, Air Marshal Subroto, Commander-in-Chief, Indian Air Force since April 1, 1954, b. 1911 at Calcutta; *Educ.*: Calcutta; had his training as service pilot at Cranwell, U.K. Commissioned, 1930, served with No. 6 Squadron, R.A.F. for 9 months; joined No. 1, I.A.F. Squadron, 1933, appointed Squadron Commander, 1939; took part in the Miranshah operations; after graduating from the Staff Coll., Quetta, was posted to No. 225 Group; commanded his old unit at Secunderabad and then at Tiruchirappalli, 1942; was next with No. 225 Group and later held various staff appointments at Air Headquarters, New Delhi, with the rank of Wing Commander; first Indian to command the Kohat Air Station, Aug. 1943; later promoted Group Captain and Air Commodore; was member National War Academy Sub-Committee, which visited the U.S.A., Canada and U.K.; became Dy. Air Officer in charge of Administration at Air Headquarters in the preparation days; appointed Dy. Air Commander and Senior Air Staff Officer, R.I.A.F., 1947; attended a special course at the Imperial Defence Coll., in preparation for his new responsibilities; promoted Air Marshal, April 1, 1954. *Address*: Air Headquarters, New Delhi.



MULHERKAR, Dattatraya Ganesh, B.A. (Bom.), Director of Industries, Bombay State, Bombay. b. Oct. 11, 1893, s. of G. S.

Mulherkar; two s. and one d.; *Educ.*: St. Xavier's Coll., Bombay. Served for 30 years in Indian commercial and industrial interests, mainly as Secy. to the Federation of Indian Chambers of Commerce and Industry and Secy., All-India Organisation of Industrial Employers; represented Indian Employers at Philadelphia Session of the I.L.O., 1944; member, Govt. of India Delegation to the First and Second Preparatory Meeting of the International Trade Organisation in London, 1946, and in Geneva, 1947; acted as Adviser to Indian Employers' Delegation to First Asian Session of the I.L.O., 1947. Retired from the Federation of Indian Chambers of Commerce and Industry, 1948; Commercial Counsellor, Indian Liaison Mission, Tokyo, 1948-49; acted as Head of the Mission, 1949-50; Consul-General, Philippines, 1951; retired from Indian Foreign Service. *Address*: Cliff, Worli, Bombay 18.

MULKY, Mangesh Anandras, M.A., LL.B. (Bom.), M.Sc. (Econ.) (Lond.), Asst. Economic Adviser, Govt. of India. b. Sept. 13, 1908, m. Leela Anant Nadkarni; *Educ.*: Wilson Coll., Govt. Law Coll. and the Univ. School of Economics & Sociology, Bombay, London School of Economics and Political Science, London; Research Officer and later Chief Research Officer to the Economic Adviser to the Govt. of India; Under-Secy., and later Dy. Secy., Commerce Ministry, Govt. of India, Secy., Institute of Chartered Accountants of India for some time, Member Secy., Indian delegation to the International Trade and Employment Conference held at London (Oct.-Dec. 1946), at Geneva (April-Oct. 1947) and at Havana (Nov. 1947-March 1948); Secy., Indian Tariff Board, 1950-52, member, Official Team on the Tea Industry, 1952, Secy., Commodity Control Ctee., 1952-53, State Trading Ctee., 1952-53, Secy., Ministry of Commerce and Industry, Govt. of India. *Publications*: Organisation & Finance of Industries in India (joint author) (1937); Financing of Indian Industries during Wartime (1940); The New Capital Issue Market in India (1947) etc. *Address*: Ministry of Finance, New Delhi.

MUNOT, Seth Chandmal Jawanmal, Banker, and Merchant b. May 2, 1924 at Saragwan (Marwar); m. Smt. Kamala Gandhi. *Educ.*: H. D. High School, Sholapur. After education took an active part in business and joined as partner of Sha Jawanmal Motilal, a leading varn and cloth merchant and commission agent, after the death of his father, 1944, started business in his own name 1947. has donated to public welfare, libraries, schools and hospitals; has travelled widely in India; is a social worker and is keenly interested in social reforms. *Publications*: Has been contributing articles to magazines: *Recreation*; Philosophy; Yoga; Hobbies. Stamp collecting and collection of books: Photography, Travelling. *Clubs*: Ripon Hall Municipal Library and District Gymkhana, Sholapur. *Address*: 65, Sakhar-peth, Sholapur.



MUNRO, John, O.B.E. (June 1947), B.Sc. (Engg.) (Glasgow), Deputy Director-General, Supplies, Ministry of Works, Housing & Supply, Govt. of India, New Delhi. b. August 1900, s. of J. Munro and C. McCulloch, Viewfield, Tain, Ross-shire, Scotland; m. Hilda Robinson, two s. and one d.; *Educ.*: Tain Royal Academy; Royal Technical College, Glasgow. William Beardmore & Co. Ltd., Glasgow, 1919-25; Govt. of India (Inspection Department, Purchase Department and Disposals—War Surpluses—Department), since 1926. *Recreation*: Golf. *Clubs*: Delhi Gymkhana Club, New Delhi; Bengal United Services Club, Calcutta. *Address*: Kotah House, New Delhi.

MUNSHI, Kanaiyal Maneklal, B.A., LL.B., D.Litt., Governor of U.P., since June 1952, b. 29th Dec. 1887; m. Lilavati Beth, an authoress of repute in Gujarati language, 1926; *Educ.*: Baroda College, Advocate, Bombay High Court, 1913; Joint Editor, *Young India*, 1915; Secy., Bombay Home Rule League, 1919-20; Editor, *Gujarat*, 1922-31; Fellow of the Universities of Bombay and Baroda since 1925; member, Baroda Univ. Commission, 1926; Chairman, 1946 Commission; member, Ctee. for the Univ. of Gujarat, 1947; M.L.A., Bombay, representing the Bombay Univ., 1927-46; sentenced to six months' imprisonment for Salt Satyagraha, April 1930; member, Working Ctee., Indian National Congress, 1930; member, A.I.C.C., 1930-36 and 1947; sentenced to 2 years' R.I. for C.D., Jan. 1932; Secy., Congress Parliamentary Board, 1934; Home Minister, Government of Bombay, 1937-39; President, Hindi Sahitya Sammelan, Udaipur, 1944; President, Bharatiya Vidya Bhavan, since 1938; Editor, *Social Welfare*, 1940-46; detained under D.O.I. Act, 1940-41; member, Constituent Assembly of India and of its Drafting Ctee. and of Parliament; Agent-General to the Government of India in Hyderabad, 1947; Chairman, Institute of Agriculture, Anand; Trustee: Kasturba Gandhi National Memorial Trust; Hanaraj Morarji Public School, Bombay; Food and Agriculture Minister, Govt. of India, 1950-52. *Publications*: (Gujarati): Novels, Dramas, Essays, Memoirs, etc. (English): *Gujarat and its Literature*; *I follow the Mahatma*; *Akhand Hindustan*; *Imperial Gurjars*; *Bhagwad Gita and Modern Life*; *Creative Art of Life*. *Address*: Bharatiya Vidya Bhavan, Chowpatty, Bombay; Governor's Camp, Lucknow (U.P.).



MUNSHI, Srimati Lilawati, M.P. (Council of States), Vice-Pres., Bharatiya Vidya Bhavan, m. K. M. Munshi, Governor of U.P., 1926. Pres.: St. John Ambulance Brigade (India), U.P. Branch, 1952-53; Ex-Servicemen's Welfare Ctee., Govt. of India, 1950-53; Bharatiya Kala Kendra, Bombay; Indian Conference of Social Work, New Delhi, 1950-51; Balkan-Ji-Bari, U.P. Branch, 1952-53; Bombay Branch of the A.I.W.C., 1947-48; Chairman: Reception Ctee., UNESCO Cultural Sub-Ctee., Dec. 1940; Children's Aid Society, 1942-46; Presidency Women's Council for 3 years; Vice-Pres.: All-India Women's Food Council, since 1950; Rashtrabhasha Prachar Samiti; Cultural Film Society, Delhi; Director: Bombay Life Insurance Co. Ltd., Oudh Sugar Mills, etc.; member: Bombay Leg. Assembly, 1936-46; Bombay Univ. Senate, 1937-46; M.P.C.C., 1931-34; A.I.C.C., 1931-34; B.P.C.C., 1935-37; Social Service Ctee., Bombay Govt., etc.; Film Advisory Board, Govt. of India, 1949-53; Indian Council of Agr. Research, 1950-53; Central Board of Film Censors, 1950-52; Planning Ctee., U.P., 1953; Ctee. Member, Prohibition Board; P.E.N. (India), courted jail in connection with freedom movement, 1930, 1932 and 1940; organised Annapurna Cafeterias, mobile van, a dining car cafeteria and a School of Nutrition and Catering; introduced in the Bombay Leg. Assembly important resolutions like prevention of bigamous marriages, etc. *Publications*: *Rekha-chitra an Bija Lekho*; *Kumaredevi* (Historical Play); *Jeeannathu Juleli* (Short stories); *Rekha Chitra-Juna Ane Nara* (Character sketches—old and new); also miscellaneous articles. *Address*: C/o Raj Bhavan, Lucknow.



MURSHIDABAD: Dittaham-ul-Mulk, Rais-ul-Dowla, Amir-ul-Omarah, Nawab Asif Kadr Sir Syed Wafiq Ali Meerza, Khan Bahadur, K.C.S.I., K.C.V.O., MAHABUT JUNG, NAWAB BAHADUR OF. Premier noble of Bengal, Bihar and Orissa, 38th in descent from the Prophet of Arabia. b. 7th Jan. 1875; m. Nawab Sultan Dullin Fugloor Jahan Begum Sahiba, 1898; Heir-Apparent: Murshidzada Asif Jah Syed Waris Ali Meerza; Educ.: in India, under private tutors and in England at Sherborne, Rugby and Oxford. Has six times been member of Bengal Leg. Council; an all-round sportsman, a great lover of fine arts and oriental pictures, and also an Urdu and Arabic scholar; Founder-President, Hindu-Muslim Unity Assoc. Address: The Palace, Murshidabad.

MURTHI, Ramachandra Krishna, Director, T. A. Taylor & Co. (Madras) Ltd., since 1945 & Parker Pen Co. (India) Ltd. b. June 8, 1907, s. of late T. S. Ramachandra Iyer; m. Smt. Mangalamal; two s. and one d.; Educ.: Govt. High School, Tiruvavur, Tanjore Dist. Served in the "Bengalee" Newspaper in Calcutta, 1926-27; joined T. A. Taylor & Co., Madras, as an Assistant, 1929; Governing Body and Mg. Cttee. Member, Y.M.I.A., Madras; Cttee. member, Southern Indian Chamber of Commerce, Madras; was



its Vice-Pres.; Under-Sheriff, Madras, 1947; attended the Biannual Congress of the International Chamber of Commerce in Lisbon, 1951; travelled widely in U.K., Europe and U.S.A. Recreation: Tennis. Clubs: Cosmopolitan Club, Madras; Gymkhana Club, Madras. Address: "Mangala", 115/1B, Mowbrays Road, Madras 18.

MURTI, Pandit A. S. N. b. Nov. 29, 1894; m. Kameswari; one s., Vishnu Kumar. Educ.: Madras Christian Coll. and P.R. Coll. Kakinada. Prominent member, former Liberal Party; member of its Working Cttee.; active social worker; was President of the Ganjam Harijan Sevak Sangh; took part in Non-Party Leaders' Conferences; original member of the Indian Council of World Affairs; conducted the administration of local bodies in the district; was a member of the Andhra Univ. Senate; has been associated with the Co-operative Movement for the last 35 years; was President, Orissa Millowners' Assoc.; was President, Chamber of Commerce, Berhampur and Vice-Pres., Orissa Chamber, Cuttack; served as Hon. Magistrate; donated the Maternity Ward in the Zenana Mission Hospital; Pres., Orissa Prov. Andhra Assoc.; was member, Orissa Domicile Cttee.; is an active farmer; Mg. Director, India Commercial Farms Ltd. Hobbies: Agriculture; Constitutional Politics; Journalism. Publications: *Free State for India, Linguistic States*, etc. Address: Sarvodaya Bhavan, Chatrapur (Ganjam).



MURTI, Nidambur Narasimha, B.A. (Madras), D.L.C. (London), Ph.D. (London), Principal and Professor of Zoology, Ramnarain Rula College, Bombay, since April 1952. b. May 26, 1908, s. of N. Rajgopalrao and Smt. Kamalabai Rajgopalrao; m. Smt. Leelabai Baburao Moro; three s. and two d.; Educ.: Presidency Coll., Madras; Imperial Coll. of Science and Technology, London; Marshall Scholar, Imperial Coll. of Science and Technology, London (1931-32). Professor of



Biology, Lingaraj Coll., Belgaum (1935-37); Professor of Zoology, Ramnarain Rula Coll., Bombay, 1937-52; Member, Senate of the Univ. of Bombay from 1946; Dean, Faculty of Science, Bombay Univ., since Aug. 21, 1952. Publications: Several Original Papers in Foreign and Indian Scientific Journals. Recreations: Tennis, Table-Tennis and Billiards. Clubs: Dadar Club, Bombay 14. Address: Principal's Quarters, Ramnarain Rula College, Lakhampsey Napoo Road, Matunga, Bombay 19.

MUSHRAN, Kampta Prasad, B.E., J.P., General Manager, Western Railway, since Sept. 1949. b. Sept. 3, 1903; Educ.: Graduated from the Thomason Coll. of Engineering, Roorkee. Joined the ex-N.W. Railway as an Asstt. Engineer, 1925; was Divisional Personnel Officer, Karachi, for some years; Divisional Supdt., Delhi, June-Sept. 1946; later held posts of Dy. General Manager and Dy. Chief Engineer, ex-N.W. Railway, Lahore; was Divisional Supdt., Rawalpindi after the March riots in 1947; went on deputation to the International Railway Congress at Lucerne, 1947; Director (Establishment), Railway Board, Oct. 1947-Sept. 1949. Address: "Bombardi," Altamont Road, Cumballa Hill, Bombay.

MUZUMDAR, Rao Bahadur Vinayak Dattatray, M.A., Member, Income-tax Investigation Commission, and Sales Tax Tribunal. b. February 4, 1893, s. of Dattatray S. Muzumdar of Ankola, North Kanara Dist., Bombay State; m. Anusuya Telang, s. d. of Rao Saheb D. A. Telang; two s. and four d.; Educ.: Bhandari High School Marwar; Bharda New High School and Elphinstone College, Bombay. Joined Govt. of India service, 1918; H.M.'s Customs 1918-19; Income-Tax Dept., 1919; Deputation to Madras State, 1921-23; Income-Tax Officer, Bombay State, 1923-34; Assistant Commissioner of Income-Tax, Poona, Sind and Bombay City, 1934-44; Commissioner of Income-Tax, Calcutta Central and City, 1944-46; Accountant Member, Income-Tax Appellate Tribunal, 1947; Commissioner, Income-Tax Investigation Commission, 1947-51; member, Sales Tax Tribunal (West Bengal) 1951; Social activities: Social Service League; Students' Brotherhood; Co-operative Housing Movement, Bombay Suburban Dist. Publications: Contributions to magazines. Clubs: Cricket Club of India Ltd., Bombay. Address: Roxana, 190, Queen's Road, Fort, Bombay 1.

MYSORE: His Highness Sri Jaya Chamarajendra Wodeyar Bahadur, G.O.B. (1946), G.C.S.I. (1945), LL.D. (1942), the Rajpramukh of b. July 18, 1919; Educ.: Maharaja's College, Mysore; passed B.A. from the Mysore Univ., 1938. Succeeded to the gadi, Aug. 1940; was invested with full ruling powers, Sept. 8, 1940; has travelled extensively in the Far East and Europe; is an expert musician and a keen rider; has fallen in line with the other Indian rulers in having his State, with an area of 29,489 sq. miles, a population of 9,074,972 and a revenue of Rs. 1970 lakhs, acceded to the Republic of India. Recreations: Music, Riding, Tennis, Racquets and Big game shooting. Address: Mysore.



NADIRSHAH, Erach Ardeshir, B.A., B.E., B.Sc. (Eng. Edin.), M. Inst., O.E. (London), M.T.E. (India), F.I.S.E. (London), O.B.E., J.P., Chief Engineer, Concrete Association of India since 1947. b. Feb. 6, 1895; m. Miss Amy Hornumji Nariman, Feb. 12, 1928; Educ.: Bombay, Poona and Scotland. Apprentice Engineer, Cardiff Corps. (1918); Asstt. Engr.,

The Economic Structures Co. Ltd., London, 1921-23; Works Engineer, 1930-33; Dy. City Engineer, 1933-36; Hydraulic Engineer; chiefly instrumental in introducing traffic roundabouts and pedestrian crossings in the Bombay City; on the Cttee. of Bombay Town Planning; Institution of Engineers (India) (Past President); The Indian Roads Congress (Vice-Pres. of Council); Indian Standards Institution, Cement and Concrete (Chairman); Parsi Lying-in-Hospital (Secretary); Assoc. of Edinburgh Univ. Graduates and Chartered Collegiates (Pres.); Assoc. of the Engineering Graduates of the Univ. of Bombay; Rep. in India of the Inst. of Sanitary Engineers (London); Anjuman Atash-Behram; Athornan Mandal; The Bombay Agri-Horticultural Society; Bharatiya Vidya Bhavan. Recreations: Tennis, Swimming, Ping-pong, Badminton, etc. Clubs: C.C.I.; Rotary; B.W.I.T.C.; W.I.A.A. Address: Khatau Mansion, Cooperage, Bombay.

NAGPUR: The Rt. Rev. George Sinker, M.A., Bishop of b. May 5, 1900; m. Margaret, d. of Colonel C. Madden, O.B.E., M.C.; Educ.: Rossall School and Brasenose College, Oxford, House Master, Trinity Coll., Kandy, Ceylon, 1921-23; Ordained, 1924; Missionary, C.M.S., Bannu, Peshawar, N.W.F.P.; Headmaster, Bishop Cotton School, Simla, 1935-46; General Secretary, Bible Society of India & Ceylon, 1947-49. Address: Cathedral House, Nagpur 1.

NAIDU, Bijlata Venkata Narayanaswamy, M.A., B.Com., Ph.D., Bar-at-Law, Chairman, Forward Markets Commission. Is the s. of Bijlata Devarajulu Naidu; m. B. Leelavathy, three s.; Educ.: London. Professor of Economics, Annamalai University. Acting Vice-Chancellor, Annamalai University; Principal, Pachaiyappa's College, Member of the Syndicate, Annamalai University and Madras University; was simultaneously appointed Economic Adviser to Govt. of Madras and member, Tariff Board, 1947; accepted membership, Tariff Board (later called Tariff Commission), 1952-53. Publications: *The Problem of Rural Indebtedness; Study of the Working Conditions of Handloom Industry of the Madras Presidency; Study of the Problem of Working Conditions of Workers in Tannery and Allied Industries; Groundnut; Sales Tax; Economics of Indian Agriculture; Fundamentals of Business Organisation; State and Economic Life; Madras Finance*. Address: Rehmat Manzil, Churchgate, Bombay 1.

NAIDU, Gopalaswami Doraiswamy, M.I.S.E., Industrial Scientist. b. March 23, 1893, s. of an agriculturist; m. Smt. Chellammal and Ranganayaki Ammal; one s., G. D.



Gopal and two d., Krishnammal Velappen and Sarojini Balakrishnan. Started life as a Cotton Broker; Founder, U.M.S. Transport Co.; inventor of several mechanical devices; travelled round the world four times; member: Zoological Society of India, Prime Movers Panel, State Aid to Industries Board (Madras), Board of Technological Education (Madras), Indian Machine-Tool Manufacturers' Assoc., All-India Manufacturers' Organisation; Pres., South India Centre of the India Society of Engineers (M.I.S.E.); Industrial Labour Welfare Assoc. Ltd., Coimbatore; Director of several Transport Companies in Coimbatore. Clubs: Cosmopolitan Club, Madras and Coimbatore; Lawley Institute, Ooty; South India Athletic Assoc. (Madras). Recreations: Gardening, Frequent Industrial Education to students. Address: "Gopal Bagh", Avanashi Road, Coimbatore.

NAIDU, K. Venkataswami, B.A., B.L., M.L.A., Ex Minister for Religious Endowments and Registrar, Madras State. *b.* July 1896; *m.* K. Varalakshmi Amma; *Educ.*: Pachayappa's College and Law College. Enrolled as Advocate, 1924; Trustee, Pachayappa's Trust Board; Mayor of Madras, 1938-39; Vice-President, Chennasuri Anna Dana Samajam; Chief Scout Commissioner, Madras State. *Publications*: *Badrinath—a guide book*; *Darsan-Srivachana Bhushana*. *Club*: Cosmopolitan, Madras. *Address*: Appah Gardens, Tayler's Road, Kilpauk, Madras.

NAIDU, S. M., Sistrumula, Proprietor, Pakshiraja Studios, Coimbatore. *b.* Feb. 1910; *Educ.*: Hindu Coll., Tirunelveli. Entered the film line, 1936; produced and directed high class pictures viz., "Arya-mala", "Sivakavi", "Jagathalaprathapan", "Kannika", "Kanchana", etc. *Address*: Pakshiraja Studios, Post Box No. 191, Coimbatore.



NAIK, Gajanan, Palm Gur Adviser, Govt. of India, Ministry of Food & Agriculture, New Delhi. *b.* at Kolhapur and comes from Khanoli Village, Vengurla Taluk, Ratnagiri Dist.; *Educ.*: Kolhapur. Is an ardent follower of Gandhiji and has worked in close conformity with his ideals in the political and constructive field for the last 20 years; was in charge of the Gur Dept. of the All-India Village Industries Assoc., Wardha, for 10 years. *Publications*: *Palm Gur*. *Address*: New Delhi.

NAIK, Dr. Kaverji Gopal, M.A. (Bombay), D.Sc. (London), F.R.I.C. (England), F.N.I., Ex-Rector, Gujarat University, Ahmedabad. *b.* Sept. 1, 1885; *m.* Itchhagauri; one *s.* and three *d.*; *Educ.*: Bombay and London. Worked in the factories of the I. G. Farbenindustrie, Germany. Professor of Chemistry, Univ. of Calcutta and Baroda Coll.; Industrial Chemist to Govt. of Baroda; Principal (Retd.), Baroda Coll.; was member, Senate, Syndicate, Academic Council and Post-Graduate Board, Univ. of Bombay; was Principal, L.D. Arts Coll. and M. G. Science Institute, Ahmedabad. *Publications*: Over sixty Research Papers. *Recreations*: Music, Indoor Games, Hiking. *Address*: Naik Villa, Pratapganj, Baroda.

NAIK-NIMBALKAR, Nanasaheb, alias Major Raja Bahadur Shrinant Sir Malejirao, K.C.I.E., Maratha (Kshatriya), Raja of Phaltan, Minister for Public Works, Govt. of Bombay. *b.* Sept. 11, 1896; *m.* Laxmidevi Rani Sahiba, *d.* of the late Shrinant Raja Shambhushinrao Amarsinhrao Jadhavrao, Sarpanchdar of Malegaon Bk., Poona Dist. and First Class Bardar of Deccan; *Heir*: Shrinant Pratapsinha Bapusaheba; *Educ.*: Rajkumar Coll., Rajkot. Succeeded to the *gadi*, Oct. 16, 1916; invested with full powers, Nov. 15, 1917; the Phaltan State was merged with Bombay State, March 8, 1948. *Address*: Secretariat, Bombay.

NAIR, Komath Govindan, B.A., B.L., Ex-member, Income-tax Investigation Commission. *b.* July 1891. *Educ.*: Ernakulam College; Madras Christian College; Law College, Trivandrum. Started service as Income-tax Officer, Madras; was Asst. Commissioner and Commissioner (I.T.) at Madras; Commissioner, Bombay (Central), Director of Inspection (I.T.), New Delhi; member, I.T. Central Board of Revenue and Joint Secy. to Govt. of India; Retd., April, 1961; re-appointed member, I.T. Investigation Commn. and retired, Feb.

1953. *Clubs*: National Sports Club of India and Indian Officers' Association, Madras. *Address*: Tharavath House, Palghat and "Govinda Vilas," Kunnankulam, Travancore-Cochin State

NAIYAR, Parushottam Prasad, Journalist; Vice-Pres., Jodhpur Zila Congress Cttee. *b.* April 16, 1903, *s.* of Munshi Pitamber Prasad, Akhtar, Urdu poet, and *g. s.* of Kayasth-Kul-Bhusan Munshi Devi Prasad, Historian and Anti-quarian; *Educ.*: Had his early education locally; obtained proficiency in Urdu and Persian; contributed much to art and literature. Correspondent of several Indian and foreign papers; a prominent worker, Indian National Congress in Indian States, since 1930; Pres., Jodhpur City Congress Cttee., 1936-46; member, Ex. Body, Ajmer P.C.C., 1939-46; Rajputana P.C.C., since 1946; A.I.C.C., 1940-46; elected member, Jodhpur Municipal Board, 1944; Leader of its Congress Coalition Party, 1947-50; was Secy., Marwar Lok Parishad; was Pres., Jodhpur Civil Liberties Union, arrested and detained in Purbatsar Fort, 1939; first satyagrahi in Rajputana, after clarion call by Mahatma Gandhi offered Satyagraha and sentenced to 15 months' R.I.; kept in Central Jail, Ajmer, 1940-41; during 1942 Quit India Movement arrested under 28 (b) D.T.R. and detained in Matchya Fort, 1942-44; is a popular figure in the public life of Rajasthan and Ajmer-Merwara. *Address*: Jodhpur.



NAJIB-ULLAH, H. E. Sarder Doctor, Ex-Ambassador for Afghanistan in India. *b.* Feb. 24, 1914, in Jalalabad, Afghanistan; *Educ.*: Istekhal College, Kabul; Doctor of Literature from Lyon Univ. Secy., Press Dept., and Asstt. Dir. for Treaties Section, Afghan Foreign Office, 1934; Chief, League of Nations Dept., Foreign Affairs, 1935; General Dir., Political Affairs, 1937-46; temporary missions to U.S.S.R., 1937; to Persia, 1936; member, Trade Delegation in India, Dec. 1938-Jan. 1939; Minister of Education, 1946-49; Head of Afghan Delegation in the Pisco Regional International Conference in Cairo, 1946; Envoy Extraordinary and Special Representative of H. M. The King of Afghanistan in Pakistan, 1947-48; Head of the Afghan Delegation in the General Assembly, UNESCO, Beyrouth, 1948; Goodwill visit to Iran, Dec. 1948; Rep. of Afghanistan on the occasion of transfer of power to the United States of Indonesia, Dec. 1949; Hon. member, Afghan Academy, from 1938; member, Historical Commissions, from 1940; Prof. and Lecturer, Political History of Afghanistan, Univ. of Kabul from 1941; member, Council of Da' Afghanistan Bank, 1942-49; known Persian, Pushtu, French, Arabic and English languages. *Publications*: *Sariana or Afghanistan* (2 volumes) (A Political History of Afghanistan from the Dawn of History until the 13th Century A.C.); *Strabo and Ariana*; *Negotiations with Pakistan*; several poems and poetical prose in Persian. *Address*: C/o Royal Afghan Embassy, 24, Ratendone Road, New Delhi.

NAMBOODIRIPAD, E. M. Sankaran, Member, Political Bureau, C.P.I., since 1941. *b.* June 14, 1909; *m.* Smt. Arya; one *s.* and one *d.*; *Educ.*: St. Thomas' Coll., Trichur. Left College while in B.A. Class to join 1932 Civil Disobedience; formed along with others Congress Socialist Party in Kerala, 1934; joined C.P.I. later; Secy., Kerala Provincial Congress, 1938-40; Congress M.L.A., Madras, 1936-40; *Publications*: Various Books in Malayalam; *Short History of Peasant Movement in Kerala*, etc. in English. *Address*: Raj Bhuvan, Sandhurst Road, Bombay 4.

NAMJOSHI, Waman Moreswar, Decoration Artist. *b.* Sept. 18, 1907, *s.* of Moreswar, Teacher, Ratnagiri and Saraswati (Venu), *d.* of Principal M. S. Gole, Poona; *m.* Vimal; one *s.*, Madhusudan; *Educ.*: Ratnagiri. Started career as Furniture Designer; served in Army & Navy Stores, McKenzies Ltd. and E. Wimbridge & Co., as Interior decoration and Furniture Designer; opened own business with brother Vishnu, under the name Nambros Designers, 1939; designed decorative works for many States, prominent personalities, offices, shops and theatres; designed decorative settings and Furniture for V. Shantaram's "Parvat-pe-apna dera", "Parchhala" and "Teen Batti Char Rasta"; the most note-worthy of his designs being Interior decoration and Architectural Features of the theatres Strand, New Empire, Liberty, Naz, Minerva of Bombay, Minerva, Calcutta, Phul, Patiala; Chhaya, Sholapur; and Rajkumar, Madras, the Academia private preview theatre at top of Liberty being his best piece of design; is now busy with designs to renovate a Cinema House in North India. *Recreation*: Photography. *Address*: 21, Benham Hall Lane, Girgaum, Bombay 4



NANAVATI, Ramesh Chandra Motilal, F.C.I., F.P.C.S., F. Com. Sc. A., F. R. Econ. S., F. S. S. (London), M. Econ. S. (Chicago), Corporate Secretary & Consulting Economist; Proprietor, R. C. M. Trading Corporation; Director, Concord Corporation Ltd. *b.* Jan. 26, 1908; *m.* Vasumati, *d.* of Batilal Achralal Parekh; *Educ.*: Esplanade High School, Bombay; Theosophical College, Madras. Obtained Fellowships of the Commercial Institute, Birmingham, the Faculty of Secretaries Ltd., Guildford, and the Association of Commercial Science, Hull (England). Elected



Fellow of the Royal Economic and the Royal Statistical Societies of London in 1935; appointed Assistant Registrar for India of the Faculty of Secretaries Ltd., in 1936; received by Their Majesties King Carol of Rumania, King Boris III of Bulgaria (1936) and the Governor-General of Australia (1934); Secretary to His Highness the Maharana of Dharampur, 1928-38; recipient of the International Honour of the Order of Officer of L'ordre Universel du Merite Humain of Switzerland (1938); Travel Solicitor to The American Express Co., Inc. (1938-39); Political and Foreign Secretary, Senior member, State's Executive Council and Vice-Pres., State's Legislative Assembly (Raj Praja Parishad), Nagod State, C.I., 1940-43; Manager, Famous Cine Laboratories and Studios Ltd., 1944-47; was responsible for planning and bringing into existence Asia's largest Cine film processing Laboratories and Studios; Constitutional & Economic Adviser, Nagod State (1946-48); practising as consulting Economist and Business Adviser, since 1947; visited Europe several times, cruising, as far as Spitzbergen, Australia, New Zealand, Tasmania, Str. Settlements, China, Japan and Ceylon. *Publications*: *A Few Preluders*. *Address*: *Residence*: "Khalsa Cottage", 14th Road, Khar, Bombay 21; *Office*: Theaonal House, Cowasji Patel Street, Fort, Bombay 1.

NANAVATI, Somesachandra Manilal, *b.* Aug. 23, 1900, *s.* of Sir Manilal B. Nanavaty; *m.* Smt. Sulochana Chinal, *d.* of Jeevanlal Chinal, 1917; one *s.* and one *d.*; *Educ.*: Sydenham College of Commerce, Has made exhaustive study of the Silk and Art Silk Industry; started the National Art Silk Mills Ltd. in

Bombay, 1938; is its Managing Director; concentrates on the production of fine varieties of art silk fabrics; travelled extensively in Japan, Switzerland, Holland, France, England, etc.; member, Managing Cttee. of Indian Merchants' Chamber, Bombay; member, Govt. of India Rayon Advisory Cttee.; Director, Silk and Art Silk Mills' Assoc., Bombay; member, Santa Cruz Residents' Association, Clubs: Willingdon, C.C.I., Radio Club. Address: "Leela," Juhu, Bombay.

NANDA, Gulzarilal, B.A. (Hons.) in English (1918), M.A., LL.B. (1920), Minister for Planning, Irrigation and Power, Govt. of India, since Sept. 24, 1951; Member,



National Planning Commission since Feb. 1953; b. July 4, 1898, Educ.: Forman Christian Coll., Lahore, Agra Coll., Agra; Research Scholar, Allahabad Univ. Joined the non-co-operation movement, 1921; Professor of Economics, National Coll., Bombay; Secy., Textile Labour Association, Ahmedabad, 1922 to 1946; member, National Planning

Cttee.; Imprisoned for Satyagraha, 1932, 1942-44; Trustee, Kasturba Memorial Trust; Secy., Hindustan Mazdoor Sevak Sangh; Chairman, Bombay Housing Board, 1946-48; Parliamentary Secy., Govt. of Bombay, Labour and Excise, 1937-39; Chairman, Standing Cttee. of the Ahmedabad Municipality, 1940-42; went to Geneva as a Govt. delegate to the 30th Session of the International Labour Conference in June-July 1947; worked on "Freedom of Association Cttee.", appointed by I.L.C.; largely instrumental in organising Indian National Trade Union Congress in May 1947; appointed a substitute Govt. Delegate, Asian Regional Conference, Oct. 1947; elected member, Economic Programme Cttee. of the All-India Congress Cttee.; Minister for Labour, Govt. of Bombay, till March 1950; Dy. Chairman, National Planning Comm., 1950-51 and 1952-Feb 1953. Publications: *Some Aspects of Khadi; History of Wage Adjustment in the Ahmedabad Textile Industry*. Address: Secretariat, New Delhi.

NANJAPPA, Venkata Subramani, Capt. A.I.R.O., B.Sc. (Hons.) (Mysore), I.C.S., Chief Commissioner, Tripura. b. Jan. 26, 1911; m. Smt. Lalita Devi, d. of late C. S. Doraiswami, Chief Justice, Mysore State, 1937; two s. and two d. Educ.: Central Coll., Bangalore, Univ. Coll., London; Jesus Coll., Oxford. Entered I.C.S., 1934; posted as Asstt. Collector, Jalgaon, East Khandesh; joined the Army during World War II, 1940-43; Collector and Dist. Magistrate, Nasik and North Kanara districts; appointed Administrator, Kolhapur State, 1948, Chief Commissioner, Cooh-Belhar State, Special Commissioner, Telangana, Hyderabad State. Recreations: Riding, Tennis, Swimming, etc. Address: Chief Commissioner's House, Tripura.

NANJEE, Mrs. Jayavati Pranal Devkar, J.P. and Hon. Presidency Magistrate, b. 1898, only daughter of the late Govindji Jhaverchand, a Munsiff and Magistrate of Jannagar State; m. Pranal Devkar Nanjee in 1911. Prominent in social activities for several years; Founder and Chairman of Fort Hindu Street Mandal and Suman Bal Mandir; takes interest in Santa Cruz Gujarati Hindu Street Mandal, and Bhagini Samaj; Life Member of the Bombay Presidency Women's Council. Recreation: Writes Poems, Plays and Short Stories. Publications: *Suman Sarathi and Sreyast*. Residential Address: "Lalit Vilas," Walkeshwar Road, Malabar Hill, Bombay.



NANJEE, Pranal Devkar, Banker, Merchant, Broker and Landlord. b. 11th June 1894, second son of late Seth Devkar Nanjee, J.P.; m. Jayavati, daughter of the late Govindji Jhaverchand, Munsiff and Magistrate of Jannagar State, 1911; Educ.: St. Xavier's College, Bombay. Joined his father's firm at the age of 18; one of the Senior Partners in the firms of Devkar Nanjee & Sons, and Messrs. Devkar Nanjee; Chairman: Devkar Nanjee Banking Co., Ltd., Devkar Nanjee Insurance Co., Ltd., Denasons Ltd., and Devkar Nanjee Investment Co., Ltd.; twice Pres., Indian Merchants' Chamber, 1944 and 1952; Chairman, Indian Banks' Assoc. since 1949. Fellow of the Indian Institute of Bankers and a member of its Council, was Pres. of Bombay Shroffs' (Bankers) Association Ltd., 1944-48; Trustee of the Indian Merchants' Chamber and also a member of its Managing Cttee. and several Sub-Cttees.; Pres. Swadeshi League; Gujarati Natya Mandal. Address: "Lalit Vilas," Walkeshwar Road, Malabar Hill, Bombay. Office Address: Devkar Nanjee Buildings, Horniman Circle, Fort, Bombay.



NANJJI, Dr. Homi Ruttonji, B.Sc. (Bombay), Ph.D., B. Pharm. (Lond.), F.R.I.C., Managing Director, Habb Ltd.; Director, Pharmad Ltd. Member, the Pharmacy Council of India and



Drugs Technical Advisory Board and Pharmaceutical Enquiry Cttee. b. Dec. 2, 1909, s. of Dr. Ruttonji Dorabji Nanji; m. Miss Marie Helen Silkman; one d.; Educ.: Royal Institute of Science, Bombay; Imperial Coll. of Science and Technology, London. Publications: Several publications in Chemistry and Biochemistry. Recreations: Hockey, Cricket. Clubs: W.I.A. Club, Willingdon Club, Ripon Club. Address: "Sea View", 13, Pali Hill, Bandra, Bombay 20.

NARAIN, Jagat, B.A. Education Minister, Punjab b. 1899, at Wazirabad, s. of L. Lakshmi Dass Chopra, m. Smt. Shanti Devi, two s. and eight d. Educ.: Govt. High School, Lyallpur, D.A.V. Coll., Lahore. Left his studies in Law to join N.C. Movement, 1920; courted jail several times in connection with the freedom movement; acted as a Personal Asstt. to late Lala Lajpat Rai during incarceration; received his political schooling under L. Lajpat Rai and Bhai Parmanand; edited "Akash Vani", 1923; was also interested in the printing press business; after partition started the "Hind Samachar" a daily newspaper in Urdu; has been its Managing Editor since then; member, P.C.C. since 1936; Dy. Leader, Citizens' Party, Lahore Corp., 1946; Gen. Secy., Rakhsa Cttee., 1947; has been a Trustee and later Chairman, Lahore (now Ludhiana) Maternity Hospital, member, Jullundur Municipal Cttee. and the Jullundur Improvement Trust; Gen. Secy., P.C.C. for the last three years. Address: Education Minister, Punjab (India), Chandigarh.

NARANG, Dr. Gokal Chand, M.A., Ph.D. Bar-at-Law, b. Nov. 15, 1878, Educ.: Punjab, Calcutta, Oxford and Berne Universities. Was Professor and Barrister; Ex-Minister, undivided Punjab Government; relinquished his knighthood in protest against Govt.'s attitude towards the legitimate rights of the Hindus, August 1945. Publications: *The Message of the Vedas, Transformation of Sikhism and Real Hinduism*. Address: 5, Cavalry Lines, Delhi.

NARASIMHAM, Mr. Justice Ramaswamy Lakshmi, M.A. (Madras), B.A. (Hons.) (Oxford), Diploma in Economics (Madras), I.C.S., Judge, Orissa High Court, Cuttack since 1948; i. Sept. 27, 1906, s. of late R. Ramaswamy Ayyangar; m. Sreemati Indira Devi; two s. and two d.; Educ.: Presidency College, Madras and New College, Oxford. Joined the Indian Civil Service, Bihar & Orissa, 1931; after holding various administrative posts, joined the Judiciary, March 1939; officiated as Deputy Secretary, Legislative Department, Govt. of India, May-Sept. 1945; Law Secy. to the Govt. of Orissa, Oct. 1945-June 1948. Recreation: Tennis. Club: Cuttack Club. Address: Cuttack.

NARASIMHAM, S. V. L., B.A., B.L., M.P. Advocate, b. May 24, 1911, s. of S. V. Purushottam, Guntur; m. Smt. S. Rajyalakshmi; four s. and two d. Educ.: Guntur, Madras and Trivandrum. Enrolled as Advocate, Guntur Bar; elected to the Municipal Council, Guntur; was Secy., Guntur Bar Assoc.; Dist. People's Food Cttee.; arrested and imprisoned in connection with C. D. movement, is associated with Students, Youths and Labour movement; returned to the House of the People from Guntur Constituency. Recreations: Games. Clubs: L. V. R. & Sons' Club, Guntur. Address: Advocate, Bhoddep, Guntur, 172, North Avenue, New Delhi.

NARAYAN, Jayaprakash, Politician and Bhodan worker, b. Oct. 11, 1902; m. Smt. Parbhavati Devi; Educ.: Bihar and U.S.A. Founder Secy., Socialist Party (India); Head of Labour Dept., Indian National Congress, 1931; imprisoned on several occasions; was member, Congress Working Cttee.; resigned membership due to difference of opinion with the Congress; Pres., All-India Railwaymen's Federation, New Delhi. Address: C/o Praja Socialist Party, 6, Tulloch Road, Bombay 1.

NARAYAN, Mr. Justice Jugal Kishore, M.A. (Economics), B.L., Judge, Patna High Court, since Jan. 1950. b. July 2, 1895 at Rampur village, Saran Dist.; m. Srim. Manmohini Devi; one s. and one d.; Educ.: Mostly at Patna, and for some time at Calcutta; was first class first in B.L. exam. of Patna Univ. Was appointed Munsiff, August, 1920; rose to the position of a High Court Judge by gradual promotion; first man from the Provincial Judicial Service to be appointed a permanent Judge of the High Court; Addl. Judge, Patna High Court, Jan. 1948-Jan. 1950; is a staunch Vaishnava and is the disciple of Pandit Ram Ballabha Saranjanee, celebrated Saint of Ayodhya; is the first to be appointed a permanent Judge of the High Court from the Bengal and Bihar Provincial Judicial Service. Address: 14, Bayley Road, Patna.



NARAYANA, Konda, M.P. Business man, b. Aug. 15, 1915, s. of Venkaiya; m. Smt. Kamalabai; one s., Ravindranath; Educ.: High School, Yadgiri.



Evinced keen interest in Hindi Prachar Sabha early in life; detained in Central Jail, Gulbarga under Hyderabad State Rule 119 for political activities; after release became a member of the Hyderabad Congress Cttee.; took active interest in refugee problems; was member, Refugee Cttee., Hyderabad; was also associated with the Peace Cttee., 1951; Pres., Congress Working Cttee., 1946-49, Recreations: Volleyball; Tennis. Club: Union Club. Address: Yadgiri, Gulbarga, Hyderabad (Da.); 37, North Avenue, New Delhi.

NARAYANAN, K. P., M.A. (Madras), Editor, 'Nagpur Times', Nagpur, since 1939. *b.* June 14, 1909, *s.* of N. Padmanabha Iyer, Mill Owner, Trichur; *m.* Smt. Usha Devi; one *s.* and one *d.*; *Educ.*: St. Thomas' Coll., Trichur; Presidency Coll., Madras. Asstt. Editor, 'Insurance Review', Lahore, 1933; Asstt. Editor, 'Daily News', Nagpur, 1935; member, Standing Cttee. of A.I.N.E.C. and of Prov. Press Advisory Cttee. for number of years; Pres.: Working Journalists Union, M.P., 1952; M.P. Branch of Editors Conference, 1953; member, Railway Users Consultative Cttee. (Divisional); member, International Press Institute, Recreation: Bridge. *Club*: Rotary Club, Nagpur. *Address*: 'Anand Vilas', Dhantoli, Nagpur, M.P.

NARENDRA, Kumar, M.A. (Punjab), Editor, 'Daily Pratap', New Delhi and Jullundur. *b.* April 24, 1914, *s.* of Mahashaya Krishna and Sh. Chanan Devi; *m.* Kamala Malhotra, M.A.; one *s.*, Anil Kumar and one *d.*, Usha, *Educ.*: Govt. Coll., Forman Christian Coll., and Law Coll., Lahore. Joined the Pratap, 1939; ex-Treasurer, All India Newspaper Editors' Conference. *Recreations*: Music, Tennis. *Club*: Chelmsford Club, New Delhi. *Address*: 6, Keeling Road, New Delhi.

NATARAJAN, Dr. Balasubramaniam, M.A., D. Litt., Dip. in Statistics, Certificate of Land Tenure from Univ. of Wisconsin, Economic Adviser and Statistics Authority (Labour Rules) to the Govt. of Madras. *b.* May 13, 1910, *s.* of Balasubramania Pillai; *m.* Srim Jayammal. *Educ.*: Scott Christian Coll., Nagercoil; Sri Meenakshi Coll., Chidambaram; Economic Research Dept., Madras Univ. Senior Lecturer in Economics, Dept. of Indian Economics, Madras Univ.; Asstt. Dir., Co-ordination (Planning and Development) of Industries during War and Transition from War



to Peace, and Post-war Planning and Development under Govt. of India (Ministry of Industries and Supplies), 1944-48; was connected with the work of Planning Industrial capacity for War, and the switch over to peace; made a special study of Crop Insurance and prepared an original scheme for Madras State; studied the working of the Passenger Transport in London, 1949; familiarised with problems of General Economic Development and combined resources development in the U.S.A. during a four months' travel study under the auspices of the U.N.; studied the working of the Federal Crop Insurance Scheme in the U.S.A., Japan and Cottage Industries in Japan; India's delegate to the 1st Conference of Economic Commission of Asia and the Far East, 1948; the Seventh International Conference of Agricultural Economists at Stressa, Italy, 1949; the World Land Tenure Conference at Madison, Wisconsin, 1951; Syndicate Member, Annamalai Univ.; Member: Board of Studies in Economics, Annamalai Univ.; Special Cttee. for Institution of Commerce Degree in Annamalai Univ.; Board of Examiners to adjudicate Univ. Degree; Presidency Coll. Reorganisation Cttee.; Tamil Academy and Tirukkural Research Cttee.; Board of Management, Madras Provincial Co-operative Union; Indian Cotton Forecast Sub-Cttee.; Indian Central Coconut Cttee.; State Compost Development Cttee.; State Cottage Industries Board; Inter Departmental Secretaries' Cttee. on Planning; Board of Industries, Madras; Executive Cttee., Indian Society of Agricultural Economics; Indian Economic Asso.; Central Executive Cttee., Indian Conference of Social Work, Bombay; Canadian Political Science Asso., Canada; American Statistical Asso., Washington; Econometric Society, Illinois, U.S.A.; National Asso. of Soil Conservation, U.S.A.; Secy., Cabinet Economic Cttee.; 10th Session, All-India Agricultural Economic

Conference; Independent Member, Advisory Board, Minimum Wages Act, 1948; Fellow, Royal Economic Society, London; Examiner, Annamalai and Madras Universities. *Publications*: *National Income and Expenditure in India*; *Wealth and Welfare in the Province of Madras*; *A Scheme of Crop Insurance for Madras State*; *Madras Finances*; *Statistical Atlas*; *Food and Agriculture in Madras State* and over 100 papers in academic periodicals in India and abroad. *Clubs*: Social Rescue Service Madras; Cosmopolitan Club; Young Men's Christian Assoc. *Address*: 'Nataraja Bagh', 1, East Spur Tank Road, Egmore, Madras 8.

NATARAJAN, Swaminath, B.A. (Hons.), Journalist, ex-Editor, *Bombay Chronicle*. *b.* April 21, 1907, *s.* of the late Kamakshi Natarajan; *m.* S. U. Sobani; *Educ.*: Cathedral High School; Elphinstone Coll. Editor, *Indian Social Reformer* (1931, 1932 and since 1940); Editor, *Free Press Journal* (June 1916 to Sept. 1947). *Publications*: *West of Suez*; *Lalubhai Samaldas*; *Social Problems and Indian Parties & Politics* (Oxford Pamphlets on Indian Affairs). *Recreation*: Chess. *Address*: Kamakshi House, Bandra, Bombay 20.

NATESAN, P., M.P. Managing Director, South Arcot Electricity Distribution Co. Ltd. *b.* March 4, 1892; *Educ.*: C.S.M. Coll., Madras; Pres., Madras Presidency Electric Licensees' Assoc. was Hon. Presidency Magistrate for some time, Councillor, Corporation of Madras, 1932; elected M.L.A., Madras on Congress ticket, 1936, Resigned following the lead of C. Rajagopalachari who broke from the Congress on the Pakistan issue, resigned from the Congress, 1946, elected M.L.A., Madras, as an Independent by the Southern Indian Chamber of Commerce, 1946; for some time Senior Steward and Chairman, Madras Race Club; returned to the House of the People on Congress ticket from the Tiruvellore Constituency, 1952, travelled widely in England and the continent, 1938, '49 and '50. *Clubs*: Madras Gymkhana Club, Madras Race Club, Cosmopolitan Club. *Address*: 5, Avenue Road, Nungambakkam, Madras.



NATH, Bhola, Education and Separate Revenue Minister, Rajasthan. *b.* June 1911, *m.* Smt. Pushpa Devi, two *s.*, Harish Chandra and Ashok and two *d.*, Lalita and Usha. *Educ.*: Alwar. Active in public life since student days, resigned State service on political ground, Founder-member, Alwar Raj Praja Mandal and its Pres. and Secy.; member, Regional Council and its working Cttee. and General Council, All India State People's Conference, Pres., Alwar Dist. Congress Cttee., General Secy., Rajasthan P.C.C.; member, A.I.C.C., courted imprisonment thrice in connection with political activities of Alwar Raj Prajamandal; connected with several Educational Institutions; toured Malaya and Singapore for educational purposes; Public Works, Civil Supplies and Rehabilitation Minister of Mutaya Union (Alwar); elected M.L.A., Rajasthan from Lachhmangarh-Rajgarh Constituency. *Publications*: *Swatantra Bharat* and *Conquest Sandesh*. *Recreation*: Swimming. *Address*: 10, Civil Lines, Jaipur, Rajasthan.

NATH, Prof. Dr. Madhab Chandra, D.Sc., F.N.I., F.R.I.C., F.I.C. Chitnavis Professor & Head of the Department of Biochemistry, Nagpur University, Nagpur, since 1946. *b.* Oct. 1905 at Hashara, Dacca, *s.* of Nitharan Chandra Nath; *m.* Shrim. Indu Rani Nath; two *s.* and three *d.*; *Educ.*: Jagannath Intermediate Coll., Dacca; Univ. of Dacca; Lady Tata Memorial Scholar,

1934-37. Lecturer in Physiological Chemistry, Dacca Univ., 1937; awarded Elliot Prize for Chemistry for 1941 by the Royal Asiatic Society of Bengal; elected member of the American Association for the Advancement of Science, Washington, 1948, elected member, Soc. Expt. Biol. and Med., New York, 1950; in connected with several Scientific Societies, Learned Bodies, etc. *Publications*: 78 original papers on various problems of Bio-chemical importance published in India and outside; *Carbohydrate metabolism with special reference to the cause, theory and treatment of diabetes*; *Biosynthesis of Vitamins*; *Steroids, Enzymes, Nutrition, etc.* *Address*: Nagpur University, Nagpur.

NATH, Ram, M.A. (Allahabad), Deputy Governor, Reserve Bank of India. *b.* Nov. 13, 1903, *s.* of late Rai Bahadur Pandit Kashi Nath, C.I.E. and Smt. Lilavati; *m.* Dr. (Miss) Kamla Rai, M.B.B.S., L.M., D.G.O. (Dublin), L.R.C.S. (Edin.); one *s.* and one *d.*; *Educ.*: Allahabad Univ. Joined the Imperial Bank of India, 1925; services transferred to the Reserve Bank of India, 1935; Secy., Reserve Bank of India, 1943-48; M.L.A., Centre, 1945-47; member: first Indian Delegation on Sterling Balance, Jan.-Feb. 1947; Indian Delegation to the Second Annual Conference of the International Monetary Fund and the International Bank for Reconstruction and Development, Sept. 1947; Cttee. appointed by Govt. to report on the application of profit sharing to Industry, 1948; Managing Dir., Industrial Finance Corporation of India, 1948-51; Pres., Session of the International Credit Conference in Rome, Oct. 1951. *Recreation*: Walking. *Clubs*: Calcutta Club; Willingdon Sports Club, Bombay; Delhi Gymkhana Club. *Address*: Reserve Bank of India, Bombay.

NAWANAGAR: Lieut.-General His Highness Maharaja Jam Shree Digvijaysinghji Ranjitsinghji Jadeja, G.C.S.I. (1947), G.C.I.E. (1939), K.C.S.I. (1935), the Maharaja Jamsahab Bahadur of, *b.* Sept. 1, 1895; *m.* Princess Gulabkunverba, *d.* of His late Highness Maharao Sahab of Sirohi and *g. d.* of His late Highness Maharao Shree Khengarji Sahab of Kutch, March 7, 1935; one *s.* and three *d.*; *Educ.*: Rajkumar Coll., Rajkot; Malvern Coll. and Univ. Coll., London. Succeeded to the *Jadi*, April 1933;



Chancellor, Chamber of Princes, 1937-44; Capt., late 5th/6th Rajputana (Napier's) Rifles; saw active service with the Egyptian Expeditionary Force, 1920, and with the Wazir Force, Jan. 1922-24; Major, 1936; Colonel, 1942; Lieut.-General, 1948; was elected Rajpramukh or the constitutional head of the United State of Saurashtra, Feb. 15, 1948 and permanent Rajpramukh, 1949; visited the Middle East, 1941; represented Indian Princes on the Imperial War Cabinet and Pacific War Council in London, 1942; Indian delegate at the Annual Sessions of the General Assembly of the U.N.O. at Paris in Sept.-Dec. 1948 and at the 4th Session of the General Assembly of the U.N.O., Flushing Meadows, Lake Success in Sept.-Dec. 1949; again at the 5th Session, 1950; elected member and then Chairman, U.N. Administrative Tribunal at Lake Success, 1950, July-Aug. 1951; at Paris, Dec. 1951; Chairman, Budgetary Cttee., 1950; elected Chairman, U.N. Negotiating Cttee. for Korean Rehabilitation; elected member, Council of the I.A.F. Benevolent Asso., New Delhi; Specialised in Lewis Gun, Machine Gun, Searchlight work and tactics. *Recreations*: Rackets, Cricket, Squash, Tennis and Shooting. *Clubs*: Marlborough; Willingdon Sports Club, Bombay; National Sports Club of India, New Delhi; Jamnagar Rotary Club; Patron-in-Chief, Jamnagar Rifle Club. *Address*: Palace, Jamnagar, Saurashtra.

NAYAR, Dr. Sushila, M.B.B.S., M.D., Dr. P.H., Minister for Health, Rehabilitation and Transport, Delhi State, since 1952. *d.* of Brindaban Nayar, E.A.C. and Smt. Taradevi of Kunjah, Dist. Gujrat (West Punjab); *Educ.*: Lahore Coll. for Women, Lahore; Lady Hardinge Medical Coll., Delhi, M.B.B.S.; John Hopkins in U.S.A. (Baltimore Md.), Dr. P. H.; King Edward Medical Coll., Lahore, M.D. Medical attendant to Mahatma Gandhi and his Ashram; Rural medical work at Sevagram and in Noakhali, Communal Harmony and social work in Noakhali; East and West Punjab and Delhi; Chief Medical Officer, Faridabad; Secy., Medical Board of Kasturba Trust; Secy., Leprosy Board of Gandhi Memorial Trust; Specialisation in Pediatrics. *Publications*: *Kasturba, Kurvas kirkham*, various articles on Gandhian thought or medical subjects. *Recreations*: Painting, writing, etc. *Address*: 19, Rajpur Road, Delhi.

NAYUDU, Lt.-Col. Cottari Kankaiya, Muntazim Bahadur, 1939; Diler Jung, 1940; *WAFADAN-I-DOWLAT* (1944), A.D.C. to H. H. The Maharaja Holkar of Indore; Mil. Secy. to H. H. The C-in-C., Indore Army; All-India Crikoter. *b.* Oct. 31, 1898; *m.* Gunavati; *Educ.*: Hislop College, Nagpur. *Address*: Indore.

NAYUDU, Mr. Justice W. S. Krishnaswami, B.A., B.L., Judge, High Court of Judicature, Madras, since July 16, 1949. *b.* Oct. 25, 1896, in the City of Madras; *m.* W. S. Bangarammah; three *s.*; *Educ.*: Pachalyappa's Coll. and Law Coll., Madras Univ. Enrolled as Advocate, Madras High Court, 1924; was one of the leading Advocates; District Grand Registrar, District Grand Lodge, Madras. *Recreation*: Music. *Clubs*: Cosmopolitan Club, Free Mason, Past Master Lord Justitia. *Address*: "Venkata Baugh", 30, Langs Garden Road, Komaleswaranpet, Madras 2.

NAZARALLY, M. Abdulhussein Nazzar, Scholar in Urdu and Business man; Founder and Proprietor, Salfice Book Mfg. Depot. *b.* Feb. 1911, in Sehore in the State of Bhopal, *s.* of late Mulla Abdulhussein, business man and Hon. Magistrate in Mandhata (Onkareshwar); *m.* Amtubai (deceased); Zehrabi; two *s.* and one *d.*; *Educ.*:



Privately. Started writing poems in Urdu at the age of 15; Pres. of several Urdu Literary Societies. *Publications*: *Moje-Sal-Sabil* in Urdu, containing poems on martyrs of Islam. *Address*: 72, Abdul Rehman Street, Bombay 3.

NEHRU, Brij Kumar, B.Sc. (Allahabad), B.Sc. (Econ.) (London), I.C.S., Executive Director, International Bank for Reconstruction & Development, and Minister, Indian Embassy, Washington, since 1949. *b.* Sept. 4, 1909, *s.* of Pandit Brijlal Nehru, Accountant-General (Retd.); *m.* Magdalena Friedmann, 1935; three *s.*; *Educ.*: Allahabad University; London School of Economics; Balliol College, Oxford; Inner Temple. Joined the I.C.S., 1934; Assistant Commissioner, Punjab, 1934-39; Under-Secretary to the Govt. of India, Dept. of Education, Health and Lands, 1939; Officer on Special Duty, Reserve Bank of India and Under-Secy., Finance Dept., 1940; Dy. Secy., 1944; Joint Secy., 1947; represented India at the Reparations Conference in Paris, 1945, Commonwealth Finance Ministers' Conference, London, 1949-50, United Nations General Assembly, 1949-52, Food & Agricultural Organization, 1949-50 and at the Sterling Balance Conferences, 1947-48-49; deputed to enquire into Australia Federal Finance, 1946; member, U.N. Advisory Cttee. on Administrative and Budgetary questions. *Recreations*: Bridge,

Reading and Conversation. *Club*: Delhi Gymkhana. *Address*: The Westchester, Washington, D.C.

NEHRU, Jawaharlal, M.A. (Cantab.), Bar-at-Law, Prime Minister of India and Minister for External Affairs and Defence. *b.* 1889; *m.* 1916; *Educ.*: Harrow School and Trinity College, Cambridge, Bar-at-Law of the Inner Temple. Advocate, Allahabad High Court; Secretary, Home Rule League, Allahabad, 1918; member, All-India Congress Committee since 1918; imprisoned, 1921; released and again jailed, 1922; General Secretary, All-India Congress Committee, 1929; President, Indian National Congress, 1929-30; underwent imprisonment for Salt Satyagraha, April 1930 and released in January 1931; again imprisoned in 1932 in connection with Civil Disobedience Movement; released and again imprisoned, 1934; released, 1935; President, Indian National Congress, 1936, 1937 and 1946, imprisoned for the eighth time in 1940 under the Defence of India Rules; again, for the ninth time, Aug. 1942; released on 15th June, 1945; was conferred the Hon. degree of LL.D. by Patna Univ., Nov. 1946; represented India as the Prime Minister at the Commonwealth Conference held in London in May, 1949, at which it was agreed to retain India as a member of the Commonwealth even after she becomes a Republic; went to America on a goodwill mission, Oct.-Nov. 1949; attended the Commonwealth Foreign Ministers' Conference, Colombo, Jan. 1950; also visited Indonesia, June 1950; attended the Commonwealth Prime Ministers' Conference, London, Jan. 1951; appointed Chancellor, Vishwabharaati Univ., Santiniketan, May 1951; became Congress President, Sept. 1951, attended the coronation of Queen Elizabeth II and the Commonwealth Prime Ministers' Conference, June 1953; attended the conference of Prime Ministers of S.-E. Asia in Colombo, May 1954. *Publications*: *Autobiography*, *Glimpses of World History*; *Soviet Russia*, *Discovery of India*, etc. *Address*: Prime Minister's House, New Delhi; *Permanent Address*: "Anand Bhavan," Allahabad



NEHRU, Shrimati Rameshwari, Hon'y Adviser and President Central Advisory Board for the rehabilitation of displaced widows, unattached women, the old and infirm and their dependants, the Central Ministry of Rehabilitation. *b.* 1886, *d.* of the late Raja Narendra Nath; *m.* Pandit Brij Lal Nehru; two *s.*, Brij Kumar Nehru, Balwant Kumar Nehru; *Educ.*: Privately. Edited Women's Magazine *Stridharpan* from 1909, Founder-President, Delhi Women's League, 1926; Member, Age of Consent Cttee., 1924, toured England and Continent, 1930-32 and collaborated with League of Nations at Geneva, 1931; President, All-India Women's Conference, 1940; Agent, Kasturba Memorial Fund Cttee. for Punjab and Kashmir; Pres., Children's Aid Society, Lahore, 1946, and Delhi, from 1947; Pres., The Assoc. for Moral and Social Hygiene in India. *Publications*: *Gandhi is my Star*—collection of speeches and writings, edited by Prof. Somnath Dhar. *Recreation*: Work. *Address*: 8, Lodi Estate, Cornwallis Road, New Delhi.

NEHRU, Satam Kumar, B.A. (Oxon.), Foreign Secretary, Govt. of India. *b.* Oct. 10, 1902, *s.* of Pandit Mohanlal Nehru; *m.* Rajan Nehru; two *s.*; *Educ.*: Allahabad and Oxford. Joined I.C.S., 1925; Dy. Commr., M. P.; Deputy Secretary to Govt. of India; Collr. of Customs, Bombay (1936); Commissioner, Central Excises, Northern India (1939-42); Joint Secretary, Supply and Commerce (1942-45); Leader, Indian Delegation to International Trade Conference, London (1946); Representative on U. N.

Commissions (1947); Additional Secy., Finance (1947); Chairman, C.B.E. (1947); Secretary, Communications Ministry (1947); Minister in Washington (1949); Ambassador of India, Envoy Extraordinary and Minister Plenipotentiary of India in Sweden, Finland and Denmark till Sept. 1951; Delegate to 6th Session of U.N. General Assembly. *Recreations*: Hiking; Tennis. *Clubs*: International Club, Stockholm and Gymkhana Club, Delhi. *Address*: External Affairs Ministry, New Delhi.

NEOGI, Kshitish Chandra, Member, Planning Commission, since May 1953. *b.* 1888; *m.* Sreemati Lila Devi; *Educ.*: Presy. Coll., Calcutta; Dacca Coll. Some time a member of the All-India Council of the Nat. Lib. Fedn.; elected member of the Dacca Univ. Court, 1921-24, member (Central) Legislative Assembly, 1921-34; re-elected 1942; Advisor to the Indian States Delegation to the Three Round Table Conferences in 1930-31; Dewan of Mayurbhanj State in Eastern States group, 1935-40; Political Adviser, Mayurbhanj State, 1940-42; elected member, Standing Cttee. of Ministers of the Chamber of Princes, 1940-42; Chairman, Committee of Ministers of the Council of Rulers, Eastern States, 1940-42; Member, Central Assembly, 1946 to 15th August, 1947; Member, Human Rights Commission (U.N.O.), 1946; Chairman, Planning Advisory Board (Government of India); Chairman, Indian Railway Enquiry Committee, 1947 (Government of India); Minister for Commerce, Govt. of India, 1948; resigned 18th April 1950. Chairman, Finance Commission, Govt. of India, 1951-53. *Address*: New Delhi.

NICHOLS-ROY, The Rev. James, Joy Mohon, B.A., Minister, Excise, Jails Registration and Stamp, Assam Govt since 1952; Christian Missionary *b.* June 12, 1884 at



Shella, Khasi Hills, Assam; *m.* N. Evelyn Nichols; *Educ.*: Duff Coll., Calcutta; member, Assam Leg. Council, 1921-36; M.L.A., 1937-52; author of the Assam Students' Smoking Act, the Assam Temperance Act, the Opium Smoking Act, Minister of Local Self-Govt. and Public Health, Excise and Registration, 1927-29; Chairman, Assam Opium Enquiry Committee, 1934; Minister Local Self-Government, Medical and Public Health, 1937-38; P.W.D., Forest, Industry and Co-operative Societies, 1940-47; P.W.D., 1947-April 1950; was member, Consultative Cttee. of the Congress Party in the Constituent Assembly, New Delhi; Member Advisory Cttee. for Minorities, Sub-Cttee. for Excluded and Partially Excluded and Tribal Areas in Assam; A.I.C.C., 1946-47; has travelled widely and visited Singapore, Japan, China, U.S.A., Canada, Honolulu and the British Isles, 1913-15; again from April 1943-Oct. 1945, visited Durban and Cape Town in South Africa, South America and Panama Canal, U.S.A., Canada and Australia. Member of the Constituent Assembly; Deputy Leader, Congress Parliamentary Party in Assam in 1950 and 1951; re-elected to the Assam Leg. Council from the Shillong Constituency in the general elections, 1952; again appointed Minister, Assam, Feb. 1952; has been responsible, as Minister, for the passing of the Assam Liquor Prohibition Act, 1953. *Publications*: *Speech on Christianity: Hours with Jesus Christ: Life of Christ: Clarion Call to Christian Unity; Christian Unity: Hill Districts of Assam; Speech on the British Cabinet Mission Declaration*, etc. *Address*: Shillong, Assam.

NYALINGKPA, Siddavannabelli, B.A., LL.B., M.P., Pres., Karnataka Provincial Congress Cttee., member, Congress Working Committee. *b.* Dec. 10, 1902; *m.* Srim. Musigamma, three *s.* and six *d.*; *Educ.*: Davangere, Chitaldroog, Bangalore

and Poona. Enrolled as advocate of the Mysore High Court, 1926; convicted for political offence, 1939; debarred from practice, 1940; member, Mysore Congress Working Ctee., since 1939; Pres., Mysore Congress, 1945-46; member, Working Ctee. of Parliamentary Board, Indian National Congress, and also of Working Ctee., I.N.C., 1948-53. Recreation: Tennis. Address: Venkateshpura Extension, Chitaldroog (Mysore State).

NIMBKA, Vishnu, B.Sc., M.E. (N. Y. Univ.), M.A.S.M.E. (U.S.A.), A.M.I. Mech. E. (London), A.I. Loco. E. (London), General Manager (India and Pakistan), The Consolidated



Pneumatic Tool Co. Ltd. b. June 25, 1900, s. of Dr. R. K. Nimbka of Phaltan State; m. Miss Elizabeth Lundy of Newtown, Pa., U.S.A.; one s.; Educ.: Deccan Coll., Poona, New York Univ., New York and Columbia Univ., New York. Employed in the Foreign Trade Department of the Chicago

Pneumatic Tool Co., New York, 1927-29; Asstt. Engineer, Consolidated Pneumatic Tool Co. Ltd., Fraserburgh, 1929; Service Engineer, Consolidated Pneumatic Tool Co. Ltd., Bombay, 1929-32; Manager for Bombay, 1932-34; Acting General Manager, 1934-42 and apptd. Resident General Manager, 1943; General Manager, 1945; General Manager, India & Pakistan, 1948; Managing Director, Hindustan Mineral Products Co. Ltd., Bombay; Mineral Mining Co. Ltd., Madras; Director: Bombay Potteries and Tiles Ltd., Bombay; Korula Rubber Co., Ltd., Bombay; BEMCO Engineering Co., Ltd., Belgam. Clubs: C.C.I., Willingdon and Bombay Presy. Golf Club, Bombay; Roshanara Club, Delhi; Mysore Sports Club, Mysore; Century Club, Bangalore; Calcutta Club, Calcutta; National Sports Club, Delhi. Hobbies: Gardening and Agriculture. Address: Liberty Building, 41/42, Marine Lines, Bombay; Residence: Amerind, 15th Road, Khar, Bombay.

NIYOGI, Machiraju Bhawanishanker, M.A., LL.M., LL.D. (Hon.), Kt. (1944), C.I.E. (1938), Ex-Chairman, Public Service Commission, Madhya Pradesh, b. Aug. 30, 1886, s. of M. Sunder Ram & Kanakabai; m. Dr. Indrabai, M.B.B.S. (Bom.); two d.; Educ.: The Hislop College, Nagpur. Started practice at the Bar, 1910; Pres., Municipal Ctee., Nagpur, 1925-28; member, Univ. Court since 1924; Vice-Chancellor, Nagpur Univ., 1932-36; Addl. Judicial Commissioner, 1930-36; Judge, High Court, 1936-46; Chief Justice, 1946; retired, 1946; Pres., Univ. Union, 1928-29; Chairman, Local Board of Directors, Bharat Insurance Co., 1928-33; interested in social and political reforms activities. Recreation: Billiards. Clubs: Gondwana Club, Nagpur; Maharaj-bagh Club; Indian Gymkhana. Address: Amba Vihar, P.O. Nagpur-Ajnta.

NOPANY, Rameshwari, Millowner and Merchant, b. in 1902 at Calcutta, son of late Seth Daulatram Nopany; Educ.: Scottish Church College, Calcutta. Partner: Messrs. Daulatram Rawatmull, Calcutta and Daulatram Nandlal, Bombay; Director: Shree Hanuman Sugar Mills Ltd., Mewar Sugar Mills Ltd., North Bihar Sugar Mills Ltd., Beland Sugar Co., Ltd., Shree Rajnaraj Jute Mills Ltd., Naskarpura Jute Mills Ltd., New Huntodhi Coal Co., Ltd., Mahabir Collieries Ltd., Hind Mills Ltd., United Commercial Bank Ltd., Ruby General Insurance Co. Ltd., Tea Producing Co. of India Ltd., and several other industrial and commercial concerns. Member, Indian Central Sugarcane Ctee. (1944-53) and Indian Central



Oil-seeds Ctee., since 1947. Pres., Indian Chamber of Commerce (1942-48); Indian Hemp Association (1941-43); Indian Sugar Mills' Association (1940-41); Hon. Treasurer, Federation of Indian Chambers of Commerce and Industry (1933-34); takes active interest in social work, has founded Charitable Trusts and Institutions for social and educational uplift and medical relief. Address: 178, Harrison Road, Calcutta.

NORKAY, Sherpa Tensing, Mountaineer: Director, School of Mountaineering, Darjeeling, b. 1914, in Solo Khumboo village, Eastern Nepal, s. of Minga and Kingum, m. Smt. Anglamu; two d., Pempen and Nina. Had a natural love for mountains early in his childhood; began life as a porter attached to party of mountaineers at Darjeeling; participated in expeditions; has taken part in more Everest expeditions than any other person, first visited Everest as a youth of 21 when he accompanied Shipton's Reconnaissance Party, 1933; participated in the expedition under Rutledge, 1936, went with Tilman's party where he earned a name for himself; reached a height of 28,210 feet with Raymond Lambert, March 26, 1952; conquered the summit of Mount Everest at a height of 29,002 ft. with the New Zealand mountaineer E. P. Hillary under the leadership of Col. H. J. C. Hunt of the British Expedition, May 29, 1953, presented by the King of Nepal with the Star of Nepal 1st Class, June 1953; awarded George Medal by Queen Elizabeth; awarded Iran's highest sports medal by the Shah of Iran, presented with a special medal by Dr. Rajendra Prasad, President of India for extraordinary courage and heroism in the Everest Expedition; awarded the U. S. Hubbard Medal, the medal of the National Geographical Society of America, March 16, 1954. Address: Darjeeling.

NORONHA, Socrates, M.B.E., K.I.H., J., M. & S., D.T.M. & Hy. (Eng.), D.T.M. (Lond.), F.C.P.S., Consulting Dermatologist, Bombay, b. 1889; m. Dr. Myrtle Machado, M.R.B.S., F.C.P.S., D.T.M. & Hy. (Eng.), D.T.M. (Lond.), J.P. Hon. Magistrate (died 1943); Educ.: Grant Medical College, St. John's, St. Paul's and St. Thomas Hospitals, London; Royal Infirmary, Edinburgh; St. Louis Hospital, Paris; Wilhelmine Spittal, Vienna. Hon. Surgeon Lt.-Commander, I.N.; Ex-Professor, Dermatology, National Medical College, Bombay; Hon. Consultant Dermatologist, St. George's; Hon. Secretary, Social Hygiene Council, and Mothers & Children Society; President, University Medical Post-Graduate Association; Ex-President, College of Physicians and Surgeons, Bombay; Ex-Venereologist, Municipal Corporation of Bombay (1917-41); represented the University and Municipality of Bombay at various International Congresses in Europe; decorated for distinguished public service with the Order of British Empire, Kaiser-I-Hind Medal, Coronation and Jubilee Medals. Address "Leonor", 45, Lamington Road, Bombay 8.

OBRAI, Mr. Justice Ram Labhaya, B.A., LL.B. (Punjab), Judge, Assam High Court, since Jan. 1949, b. Jan. 22, 1897, s. of late L. Anir Chand; m. Smt. Isher Kaur; three s. and one d.; Educ.: Chakwal Dist., Jhelum; Abbottabad, Dist. Hazara; Lahore. Practised law in the Hazara Dist. for 20 years; then at Peshawar for about four years; managed aided educational institutions at Abbottabad; served as Vice-Pres., Municipal Board; member, Provincial Transport Authority and Provincial Rationing Authority at Peshawar; elevated to the Bench, appointed Acting Judge, Judicial Commissioner's Court, Peshawar, March 1946; after partition, appointed Chief Minister (Dewan) of Chamba State and its Chief Executive Officer after merger of the State; was Judicial Commissioner, Ajmer, for a few weeks. Recreation: Reading, particularly Oriental poetry. Club: Gauhati. Address: Judge, Assam High Court, Gauhati.

OJHA, Jayantilal Manishanker, Chairman, Jayantilal Ojha & Co. b. May 3, 1907 at Anjar, Kutch; m. Srimati Mangala Gouri, d. of Lakshminanker Ojha, 1928; Educ.: High School education, Ahmedabad; while a student, took part in Congress movement and worked at Sabarmati Ashram. Served on E. Rly. Advisory Ctee., Coal Wagon Supply Ctee., Soft Coke Ctee., Indian Colliery Owners Assoc., Joint Working Ctee. of Coal Assoc.; Director: Gourangdhi Collieries Ltd.; Bhurangya Coal Co., Ltd.; Khas Shamrope Coal Co., Ltd.; Shree Diamond Seetalpore Colliery Co., Ltd.; North Dhemo Coal Co., Ltd.; Sarpi Kajora Coal Mines Ltd.; New Joyrampore Coal Co., Ltd.; President: Board of Trustees, Bhawanipur Gujrati Balmundir; Trustee, Shrimati Education Trust, Ahmedabad; Shree Narbheram Madhavji Memorial Trust; Senior Vice-Chairman, Indian Mining Federation; Vice-Chairman: Calcutta Anglo-Gujrati School; Member: Ctee. of Bharat Chamber of Commerce; Calcutta Traffic Advisory Board; Coal Advisory Ctee. Clubs: Calcutta Rotary Club, South Calcutta Club, Calcutta Club and Life Member: Cricket Assoc. of Bengal. Address: 81, Stephen House, Dalhousie Square, Calcutta.



OZA, Ghanashyam Chhotalal, B.A., LL.B., Minister for Rehabilitation, Industry and Commerce, Food Supply and Labour, Govt. of Saurashtra, b. Oct. 25, 1910, s. of Chhotalal Pitambardas Oza and Smt. Savitragauri Chhotalal Oza; m. Smt. Rama Ghanashyam Oza; two s. and two d.; Educ.: Bhavnagar, Poona, and Ahmedabad. Advocate, Saurashtra High Court, Rajkot. Recreations: Reading; Sports. Address: Behind Sardar Baug, Rajkot.

OZA, Keshavlal Karsanji, B.A. (Hons.), LL.B., Ex-Deputy Collector (Gharhked), Zalawad District, b. December 9, 1895; m. Savitri, d. of late Mulshanker J. Trivedi, once a Naib Suba in Baroda State; Educ.: Wankar High School; Bahadur College, Junagadh; and Government Law School, Bombay. Practised as a Pleader in Junagadh State, 1921-22; Sarnayadish, Lakhtar State, 1922-27; Treasury Officer, Wankar State, 1927-31 and 1941; Dewan, Lathi State, 1931-38; Dewan, Mansa State (Mahikantha), 1938-41; Dewan, Vala State, 1943-48; was elected President, Executive Committee of the 11th "Gujarati Sahitya Parishad" convened at Lathi under the Presidentship of Dewan Bahadur Jhaveri Krishnalal Mohanlal, retired Chief Judge, Court of Small Causes, Bombay; on integration of Kathiawar States into the United State of Saurashtra, was first appointed as Officer-in-Charge, Muli and Sayla; District Treasury Officer, Zalawad and Dy. Collector (Gharhked), Zalawad; retired from Govt. service, March 2, 1953. Address: Valabhipur (Saurashtra).



PAI, Ammembal Vittal, B.A., I.C.S., C.I.E. (1940), O.B.E. (1939), Secretary, Ministry of Home Affairs, Govt. of India, since 1st March 1953, b. Oct. 11, 1901; m. Tarabai, only d. of Rao Bahadur Dr. M. Kesava Pai, O.B.E., M.C.D.; Educ.: Causa High School, Mangalore, Presy. Coll., Madras and Wadham Coll., Oxford. Asstt. Collector, North Arcot Dt., Madras, 1926-27; Sub-Collector, Palghat and Kumbakonam, 1928-30; Under-Secy., Govt. of Madras, Public Works and Labour Depts., 1931-34; Addl. Dt. Mgt., Tanjore, 1936; Agent of the Govt. of India in Ceylon, 1936-40; Dy. Secy. to the Govt. of India, Dept. of Indian Overseas, 1941-44; nominated

Official member of the Council of State, 1942, and nominated Official member of the Leg. Assembly, 1943; Joint Secy. to Govt. of India, Commonwealth Relations Dept., and Controller-Genl. of Emigration, 1944-47; Minister-Counsellor, Indian Embassy, Moscow, 1947-48; Principal Private Secy. to the Prime Minister of India, 1948-50; Secy., Ministry of Communications, 1950-53. *Address:* Secretariat, New Delhi.

PAI, Mangalore Parshotam, B.A. (Madras), B.A. (Hons.) (London), Second Member, Board of Revenue, Andhra Govt. 6 December 1, 1906, s. of Rao Bahadur Dr. M. K. Pai, O.B.E., M.D., m.; two s., and three d.; *Educ.:* Madras, London and Oxford. Controller of Coffee, Indian Coffee Board, 1940-42; Provincial Textile Commissioner, Madras, 1942; Controller of Supplies, S. I. Circle, Govt. of India, 1942-45; Joint Secy., Ministry of Industry & Supply, 1946-49; Jt. Secy., Ministry of Works and Supply, 1949-52; officiated as Managing Dir. Sindri Fertilisers and Chemicals Ltd., April-July 1952 and Feb-May 1953. Jt. Secy., Ministry of Production, Govt. of India, 1952-54. *Club:* Delhi Gymkhana, New Delhi. *Address:* Board of Revenue, Andhra Govt., Madras.

PAKES, Ernest John, Chairman, Mackinnon Mackenzie & Co. Ltd., Allahabad Bank Ltd., The India Jute Co., Ltd., and the Megna Mills Co. Ltd., since 1951. b. Jan 28, 1890; m. E. F. Pickering; one s. Deputy Representative, Ministry of War Transport, Karachi, 1945-46; Chairman, Karachi Chamber of Commerce, 1946-47; Vice-Pres., Bengal Chamber of Commerce & Industry, 1952-53; Pres., 1953-54; Pres., Associated Chambers of Commerce of India, 1953-54; Director of Equitable Coal Co., Ltd., and other Coal, Jute, Tea and Engineering Companies. *Recreations:* Tennis, Golf. *Clubs:* Bengal, Calcutta, Tongue (Calcutta); Royal Bombay Yacht Club (Bombay); Oriental (London). *Address:* 3, Alipore Road, Calcutta.



PAKVASA, Mangaldas Manchharam, ex-Governor of Madhya Pradesh, from August 1947 to July 1952. b. May 7, 1882; *Educ.:* Elphinstone High School and Elphinstone College, Bombay; some time Dakshina Fellow, Elphinstone College, and won Dhriraj Mathuradas Scholarship in LL.B. Solicitor for thirty years; was in jail 14 months in connection with the 1932 Satyagraha, 12 months in 1940 and 17 months in 1942-43; went on a world tour and visited Italy, Switzerland, France, Belgium, Germany, Austria, Hungary, England, America, Japan and China, 1935; as Solicitor for the All-India Spinners' Assoc. helped in saving income-tax, and fought up to the Privy Council when it was decided that that body was not liable to income-tax; was the Chairman of Bombay City Adult Education Cttee., Bombay Historical Society, Hindustan Soot Assoc., etc.; President, Bombay Legislative Council from July 1937 to 14th August 1947. *Address:* 29, Doongersey Road, Malabar Hill, Bombay 6.

PAL, Benjamin Peary, M.Sc., Ph.D. (Cantab.), F.L.S., F.N.I., Director, Indian Agricultural Research Institute, New Delhi. b. May 26, 1906, s. of Dr. R. B. Pal; *Educ.:* Rangoon University (1924-29); Cambridge Univ., Downing College (1929-32). Joined the Indian Agricultural Research Institute, 1933; appointed Director, 1950; President, Botany Section of the Indian Science Congress (1945-46); Indian Society of Genetics and Plant Breeding (1947-48); member, Agricultural Mission to China (1944); member, Indian Scientific Delegation to Australia (1949);

Pres., Indian Botanical Society, 1950; Formerly Vice-President, All-India Fine Arts and Crafts Society. *Publications:* Over 60 papers on plant breeding and genetics of crop plants. *Recreations:* Painting and Rosegardening. *Address:* New Delhi.

PALIWAL, Pt. S. K. Datt, M.A. (Economics), Sahitya Rattan (Hindi), Journalist. b. August, 1898, at Tanawra Village, Agra Dist., s. of Pt. Brij Lal Sharma; m. Begam Maqsood Jehon; *Educ.:* Agra Coll., Agra; M.A.O. Coll., Aligarh. Pres., U.P. Congress Cttee. for 7 years; M.L.C. (U.P.), 1924-26 M.L.A. (Central), (1935-48); Minister of Finance and Information, U.P., 1947-48; Leader, U.P. Kisan Mazdoor Praja Party; General Secy., All-India Kisan Congress and Rural People's Federation; Editor: *Prabha*, Monthly Magazine, *Pratap* and *Sainik*, Daily and Weekly; Leader and Pres., People's Congress, U.P.; member, Legislative Council, U.P. *Publications:* *Seva Marg*; *Amarpuri*; *Seva Dham* and *Seva-Marg*, *Hanara Seva-Hansa Sangram*; *Kisan Raj Ka Panchsahasya Programms*; *Marsaad or Gandhivad*. *Address:* 3, Vijaya Nagar Colony, Agra.

PALIWAL, Pandit Tika Ram, B.A., LL.B., Minister for Finance, Public Works, Irrigation, Community Projects, Law and Judicial, Rajasthan. b. 1909; m. in 1936; one s. and two d.; *Educ.:* Village School at Mandawar, Jaipur State; Alwar State; National Commercial High School, Delhi. Took active part in the Salt Satyagrah; was Editor, Congress Bulletin in Hindi; set up practice at Hindaun; joined the Satyagrah movement under the late Seth Jannalal Bajaj; was in succession the Joint Secy., Secy., Vice-Pres. and Pres., Jaipur Rajya Praja Mandal; took particular care to make a study of the Kisans; was Revenue Minister, the first popular Govt., Jaipur State, was member, executive of the Rajputana Provincial Congress Cttee.; became General Secy. when the Rajputana States were integrated; was Revenue Minister in the Vyas Ministry, was the moving spirit behind the Rajasthan Land Reforms and Resumption of Jagirs Act which received the President's assent recently; prohibited unlawful ejectment of the tenants, made basic improvements in the Court of Wards Acts and sanctioned a scheme of summary settlement, first elected Chief Minister of Rajasthan, March 1952; courted jail several times in Freedom movement. *Address:* Jaipur, Rajasthan.

PANANDIKAR, Satyashraya Gopal, M.A. (Bombay), Ph.D. (Econ., London), D.Sc. (Econ., London), Secretary, Indian Banks' Association, Bombay; Retd. Principal and Prof. of Commerce, Sydenham College, Bombay. b. July 18, 1894; m. Indira, d. of S. A. Sabnis, Solicitor, High Court, Bombay; *Educ.:* Elphinstone College, Bombay and School of Economics, Univ. of London. Some time Professor of Political Economy, University of Dacca (1921-23). *Publications:* *Economic Consequences of the War for India*; *Wealth and Welfare of the Bengal-Delta*; *Economic Development of the Great Powers and India*; *Banking in India*; *Industrial Labour in India*. *Address:* Gandhi House, Sandhurst Bridge, Bombay.

PANCHAMUKHI, Vidyaratna R. S., M.A. (Bom.), Vidyaratna (1948), Director of Kannada Research, Dharwar, Bombay, since 1939. b. May 4, 1898, s. of late Swamirayacharya Panchamukhi, Landlord, Kurvinkop, Dharwar; m. three s. and five d.; *Educ.:* B.A. (High II class Hons.) in Sanskrit, 1923; M.A. (High II class) in Sanskrit, 1925; R.B. Deepad Sanskrit Gold Medalist; Dakshina Fellow, Karnatak Coll., Dharwar, 1923-25; entered the Archaeological Dept. after M.A. and worked there in Epigraphy, 1925-39; awarded the title of Vidyaratna by the All-India Dharma-Maha-Mandala, Benares. *Publications:* Several books and

papers on Inscriptions, Coins, Iconography, History, Archaeology, Museum and Kannada Literature. *Address:* Dharwar.

PANDE, Lt.-Comm. Shukdev, M.Sc., Secretary and Rector, Birla Education Trust; Ex-Vice-Pres., Jaipur State Council; Dt. Commisr., Boy Scouts Assoc. b. April 13, 1893; m. on December 3, 1916; three s.; *Educ.:* M.Sc., Muir Central College, Allahabad. Appointed Asst. Prof. of Mathematics, Benares Hindu Univ., 1918; did research work under Dr. Ganesh Prasad and published a few papers; took commission in I.T.F.; organised collection work for the Univ.; deputed by Pandit Madan Mohan Malviya to Pilani as Principal, Birla Intermediate Coll., and as Hon. Secy., Birla Education Trust, 1929; now 'Kulpati', Birla Vidya Bihar; was appointed Hon. Principal, Technical Training Centre and later of H.M.I.S. 'Pilani' which trained Artificers of the R.I.N.; was conferred the honorary rank of Lieut. Commander; elected Vice-Pres., Montessori Assoc. International; travelled extensively in Europe to study modern trends in education. *Publications:* Some books in Hindi on Mathematics for High School and College students; a glossary of Mathematical terms including Astronomy in Hindi. *Address:* Pilani (Jaipur).

PANDIT, Anand Dattatraya, B.Sc. (Alld.), I.C.S., Chief Commissioner, Delhi. b. April 1, 1900, s. of Dattatraya Vinayak Pandit; m. Miss Leela Rawat, M.B.B.S.; one s. and one d. Was Chief Commissioner, Ajmer. *Address:* Chief Commissioner, Delhi.

PANDIT, Keshav Gopal, B.A. (Hons.), Ellis Scholar, M.A., M.L.C., Principal & Senior Prof. of English, Willingdon College, Sangli. b. January 1904, s. of Gopal Balwant Pandit; m. Sau. Vijaya Kumari, d. of Gajanan Bhaskar Vaidya; four s.; *Educ.:* Wilson College, Lifo-Member, D.E. Society; Head of Dept. of English, Fergusson College, Poona (1929-44); Superintendent, Model & Experimental Primary School, Navin Marathi Shala (1932-44); Fellow, Univ. of Bombay and Member, Board of Studios in English Literature, Bombay Prov. School Book Cttee. (1943-46); Recognized Univ. Post-Graduate Teacher; member of the Court, Academic Council, Executive Council and Chairman, Board of Studies in English, Univ. of Poona; member, Bombay Legislative Council; Member, Commonwealth Parliamentary Assoc. *Publications:* *Why English? Introduction to Chaucer: Introduction to Shakespeare; What is Wrong with Secondary Education*; *Phys and Poems in Marathi* and other educational books. *Address:* Willingdon College, Sangli.



PANDIT, Srimati Vijaya Lakshmi, President, U.N. General Assembly; Ex-Ambassador of India in U.S.A. b. 18th August 1900; m. Ranjit Sitaram Pandit, Bar-at-Law (Classicist and Historian), 9th May, 1921; 3 d.; *Educ.:* Privately by tutors and governesses. Elected Chairman, Education Cttee., Allahabad Municipal Board, 1935; elected to U.P. Assembly, 1937; appointed Minister of Local Self-Government and Public Health in U.P. Congress Government; Pres., All-India Congress Conference, 1940-42; Vice-Pres., Women's International League for Peace and Freedom; attended Pacific Relations Conference at Hot Springs, Virginia, U.S.A., as leader of Indian delegation appointed by the Indian Council of World Affairs; toured extensively in U.S.A.; was present in San Francisco at the time of the United Nations Conference, and presented India's case in an unofficial capacity to the world as spokesman for the

India League of America and the National Committee for India's Freedom; Leader of the Indian delegation to the U. N. O., 1947 and 1948 Peace Conference; Imprisoned three times in connection with Congress Civil Disobedience Movements—15 months, 6 months and 11 months respectively; returned unopposed to U.P. Assembly from the old constituency; appointed Minister for second time by Congress Government holding portfolios of Local Self-Government and Public Health; Indian Ambassador in U.S.S.R., 1947-49; Ambassador in U.S.A., 1949-52. *Address:* Allahabad; 2, York Place, New Delhi.

PANDURANGIAH, Vummidi, Partner, Vummidi Ramiah Chetty Guruswamy Chetty & Co., Jewellers and Diamond Merchants, Madras; Managing Director of Vummidiars (Mfrs.) Ltd., Stainless Steel



Fabricators, Madras. *b.* 1908, *s.* of Vummidi Guruswamy Chetty, *m.* Smt V. Sreenagamma; four *s.* and three *d.* *Educ.* Presidency Coll., Madras. Pres., Madras Jewellers' and Diamond Merchants' Assoc., Madras, Southern India Chamber of Commerce, Madras (1947-48), Director, New Guardian of India Life Assurance Co., Ltd., was a Delegate to the International Chamber of Commerce, Paris, 1948, visited Germany and other countries in Europe as Delegate, Govt of India Trade Delegation for Germany, 1948. *Recreations:* Billiards, Tennis, Club, Cosmopolitan Club, Madras. *Address:* Residence, 5, Dr Nair Road, T. Nagar, Madras 17. *Office:* 25 N S C. Bose Road, Madras 1.

PANDYA, Gangashanker Baldevshanker, B.A. (Hons.) (London), M.A. (Allahabad), Dean, Faculty of Arts and Head of Dept. of History, Baroda Univ., since July 1950. *b.* August 24, 1915, *s.* of Pandit Baldevshanker Pandya of Hattia, Dist. Sagar (Madhya Pradesh) and Manekbal, *m.* Prabhavati, *d.* of G. V. Trivedi, M.B.E., P.F.S. of Chhindwara (Madhya Pradesh); one *s.* and one *d.* *Educ.*: The Theosophical National School, Benaras; Benaras Hindu Univ.; The Univ. of Allahabad; London Univ. Professor of History, M.T.B. College, Surat, 1940-42; Professor of Administration and Geography, College of Commerce, Baroda, 1942-49; First Registrar, Maharaja Sayajirao Univ. of Baroda, May 1949 to July 1950. *Publications:* 2 books on Indian Administration and Politics; sundry articles on Politics and History in periodicals. *Recreations:* Hiking; Mountaineering Hockey; Table Tennis. *Address:* Adhyapak Niwas, Pratap Ganj, Baroda.

PANIGRAHI, Mr. Justice Lingaraj, B.A., B.L., Chief Justice, High Court, Cuttack, since 1948. *b.* March 21, 1896, *s.* of Gopinath Panigrahi; *m.* Smt. Swarnamayee; three *s.* and two *d.* *Educ.*: Madras Presidency College. Practised at Berhampur (Ganjam); was a Public Prosecutor for two terms; Advocate-General, 1945-48; attended the Round Table Conference and gave evidence before the Joint Parliamentary Cttee., 1934; one of the prominent leaders responsible for creation of the Orissa Province; a forceful speaker and a writer. *Publications:* Contributor to periodicals. *Recreation:* Tennis. Club: Cuttack Club. *Address:* Keonjhar House, Tulsipur, Cuttack.

PANIKKAR, Kavalam Madhava, Member, States Reorganization Commission. *b.* June 3, 1895; *Educ.*: Madras & Oxford, Scholar of Christ Church, Barrister-at-Law (Middle Temple). Professor, Aligarh Muslim University; Editor, *The Hindustan Times*; Secretary to the Chancellor, Chamber of Princes; Foreign Minister, Patiala; Foreign & Political Minister, Bikaner; Prime Minister, Vice-President of State Council and Foreign

& Political Minister and Minister for Education & Health, Bikaner State (1944); Secretary, Indian States Delegation to the Round Table Conference; official witness on behalf of the States before Joint Select Committee; Indian States' Representative to the Pacific Relations Conference, Canada, 1942 and Commonwealth Relations Conference, 1945; member of Indian Delegation to United Nations General Assembly Session, 1947; Vice-President, Royal India Society, London; Ambassador in China, 1948-52; Ambassador in Egypt, Sept. 1952-Dec. 1953. *Publications:* *Indian States and Government of India*; *Interstate Law*; *Portuguese in Malabar*; *Dutch in Malabar*; *Caste and Democracy*; *Hinduism and the Modern World*; *Kingship in India*; *Education Reconstruction*; *India and the Indian Ocean*; *Future of South East Asia*; *The Basis of Indo-British Treaty*; *Survey of Indian History*, etc.; has also contributed to *The Times*, *The Manchester Guardian*, *News Chronicle*, *Contemporary Review*, etc. and published novels, dramas and poems in Malayalam. *Address:* Ministry of Home affairs, New Delhi.

PANJA, Jadabendranath, M.A. in Pure Mathematics (Cal.), B.L. (Cal.), Minister for Cottage and Small-scale Industries, State of West Bengal. *b.* July 1886, *s.* of Nrisinghamurari Panja, B.A.; *m.* two *d.* *Educ.*: Burdwan Raj College, Ripon (now Surendranath) College, Scottish Churches College, Calcutta. Read Congress literature from early boyhood; joined non-co-operation movement after the Special Congress Session at Calcutta, 1920; suffered imprisonment for 2½ years, 1932-34 and for 6 months in 1942. *Recreations:* Literature on religion, philosophy and economics. *Address:* 8-C, Ramanath Majumdar Street, Calcutta 6.

PANT, Apasahab Balasahab, R.A. (Bombay), M.A. (Oxon.), Bar-at-Law, Jt. Secy., External Affairs Ministry, Govt. of India, since Feb. 1954. *b.* Sept. 12, 1912, of the family of the Pratididhis of Aundh; *m.* Naini Devi Dravid, M.B.B.S., F.R.C.S.; one *s.*, Aniket Kumar and one *d.*, Aditidevi; *Educ.*: Deccan College, Poona; Oxford (B.N.C.); Lincoln's Inn. Started work in the Aundh State under his father Shrimant Bhawanrao Pratididhi. Rajasahab of Aundh; worked as Education Minister; prepared a draft Constitution for the Aundh State, with the consent of Mahatma Gandhi, when his father granted Responsible Govt. to his subjects, 1939; first elected Prime Minister, Aundh State, for six years; was Minister for four years till the State was merged into Bombay State, March 1948; member, A.I.C.C. 1948; represented Govt. of Indl. at the U.N.O. as an alternate delegate, 1951 and 1952; Commissioner for the Govt. of India in British East Africa, July 1948-Feb. 1954, apptd. Consul-General for Belgian Congo & Ruanda-Urundi, Nov. 1950 & Commissioner for Central Africa and Nyasaland, Dec. 1950. *Address:* Amral Camp, Deccan Gymkhana, Poona 4; External Affairs Ministry New Delhi.

PANT, Pandit Govind Ballabh, B.A., LL.B., LL.D. (Allahabad, Banaras and Lucknow), Chief Minister, General Administration, Planning and Co-operation, Uttar Pradesh, since April 1, 1946; *b.* Sept. 10, 1887, in Almora, District; *Educ.*: Almora, Muir Central College, Allahabad; School of Law, Allahabad Univ. Enrolled Advocate, Allahabad High Court, 1909; joined the Bar at Naini Tal; took active part in politics; started Kumaon Parishad in 1916 to study local problems and redress grievances; gave evidence before the Southborough Cttee. and succeeded in bringing the Kumaon districts under the Southborough Committee and the Montford Reforms; elected member, A.I.C.C.



1916; U.P. Leg. Council, 1923, on SWARAJ Party ticket; Leader, Swaraj Party, U.P. Council, for 7 years; elected Pres., U.P.C.C., 1927, and presided at Aligarh Session; took prominent part in anti-Simon Commission agitation; twice imprisoned for C. D., 1930-32; appointed Chairman, U.P. Agrarian Cttee. by the U.P.C.C.; submitted Pant Report, 1931; Member, Congress Working Cttee., since 1931; Genl. Secy., All-India Parliamentary Board, 1934; elected M.L.A. (Central), 1934 and was Deputy Leader of the Congress Party; elected Leader of the Congress Party in U.P. Assembly, 1937 and Premier, 1937-39; resigned on War issue; offered Satyagraha, Nov. 1940 and was jailed for one year; arrested and kept in detention in Ahmednagar Fort, August 9, 1942-March 31, 1945; attended Simla Conference, June 1945, and carried on negotiations with Jinnah; member, Central Parliamentary Board and Chairman, U.P. Parliamentary Board; re-elected to U.P. Legislative Assembly and Leader of Congress Party in the U.P. Assembly; elected member, Constituent Assembly and member of several Committees and Sub-Committees of the Constituent Assembly. *Address:* Chief Minister, Uttar Pradesh, Lucknow.

PARANJPYE, Dr. Sir Raghunath Purushottam, M.A. (Cantab.), B.Sc. (Bombay), D.Sc. (Calcutta), *b.* Murd, 16th Feb. 1876; *Educ.*: Maratha H.S., Bombay; Ferguson Coll., Poona; St. John's Coll., Cambridge (Fell.), 1901-07, and Hon. Fellow, 1945; Paris and Göttingen; Govt. of India Scholar; bracketed Senior Wrangler at Cambridge, 1899. Principal and Prof. of Math., Ferguson Coll., Poona, 1902-24; Hon. Associate of the Rationalist Press Association; has taken prominent part in all social, political and educational movements in Bombay State; Vice-Chancellor of Indian Women's Univ., 1916-20; Bombay Leg. Council, 1913-23, 1927; awarded the Kalash-Hind Gold Medal in 1916; Knighted, 1942; Minister, Bombay Government, 1921-23, 1927; member, Reforms Inquiry Committee, 1924; Auxiliary and Territorial Forces Committee, 1924; Indian Taxation Inquiry Committee, 1924-25; member, India Council, 1927-32; Vice-Chancellor, Lucknow University, 1932-38; President of the National Liberal Federation, 1924, 1939; High Commissioner for India in Australia, 1944-47. *Publications:* *Gokhale*, *Karve*, *The Cruz of the Indian Problem*, *Rationalism in Practice*. *Address:* Poona 4.

PAREKH, Surendra Mangaldas, Mill Agent, *b.* March 8, 1921, *s.* of late Sheth Mangaldas Girdhardas Parekh, a pioneer in textile industry at Ahmedabad; *m.* Smt Pratima, *d.* of Chandrakant Mashruwalla; two *s.* and two *d.* *Educ.*: Ahmedabad. After studies joined his brothers in the management of the Mangaldas Group of Mills and other business concerns of the family; Permanent Dir., Managing Agency Co. of Aryodaya Ginning & Mfg. Co. Ltd., Ahmedabad and Victoria Mills Ltd., Bombay, Partner, Managing Agency and Director, Aryodaya Spg. & Wvg. Co. Ltd., Ahmedabad and Victoria Mills Ltd., Bombay; is a keen sportsman; maintains his own "Surendra Cricket and Tennis Club", ex-Pres. Ahmedabad Tennis, Badminton and Billiard Assoc. and Rifle Assoc.; ex-Vice-Pres. Ahmedabad Cricket Assoc.; is Pres. Camera Pictorialists of Ahmedabad; widely travelled in Europe and United States. *Recreations:* Sports, Riding, Driving, Gardening, Photography, Swimming Clubs; Cricket Club of India; Bombay Presidency Radio Club; W.I.A.A. Club, Bombay; Orient Club; Shalibag Club and Ahmedabad Gymkhana, Ahmedabad. *Address:* Mangal-Bag, Ellis Bridge, Ahmedabad.



PARIKH, Chandulal Pitamberdas, B.A., LL.B., M.P. Merchant. *b.* Jan. 22, 1894; three *s.* and one *d.*; *Educ.*: St. Xavier's Coll., Bombay. Member: Indian Central Cotton Cttee., 1936-41; Cloth Control Production Cttee., since 1948; Representative of the Ahmedabad Millowners' Assoc. in Bombay Assembly, 1946-51; member, Textile Control Cttee., since 1950; Pres., Ahmedabad Millowners' Assoc., 1950-51, 1951-52, 1952-53; Member, Central Advisory Council of Industries, 1952; Member, Council of States, 1952.



Clubs: W.I.T.C. Ltd.; Willingdon Sports Club Ltd.; Cricket Club of India Ltd. *Address*: 40-C, Ridge Road, Malabar Hill, Bombay.

PARIKH, Chantil Navandas, Branch Secretary, The Manufacturers Life Insurance Co. of Canada, Bombay. *b.* Feb. 28, 1903, at Bhavnagar, *s.* of late Narandas Bhikhabhai Parikh, Retired Postmaster, Bhavnagar R. S. and late Smt. Narmadabai; *m.* Smt. Taralaxmi, May 5, 1922; three *s.* and four *d.*; *Educ.*: Samaldas Coll., Bhavnagar; Sydenham Coll. of Commerce & Economics, Bombay. Joined the staff of M. Kanji & Co., former General Agents in Bombay of the Manufacturers Life Insurance Co. of Canada, May 1921; Head of Life Insurance Dept., M. Kanji & Co., 1929-35; has been the senior member of Indian office staff in Bombay since the Company's branch office was opened in Bombay in 1935; appointed Branch Secy., Jan. 1, 1947, is keenly interested in the affairs of his community; member Managing Council of the Jain Education Society, Bombay; Managing Cttee. of the Assoc. of his community. *Address*: Office: 123, Mahatma Gandhi Road, Fort, Bombay; *Residence*: 113, Gaiwadi, Swadeshi Market Building, Room No. 210, 3rd floor, Bombay 2.



PARIKH, Hiralal Maganlal, Merchant and Quarrier. *b.* March 20, 1910, at Nadiad, *s.* of Maganlal Sankalchand Parikh, Railway Contractor, Western Rly. Started career as an independent Quarry Owner in Kotah State; presented a scheme to Kotah Govt. for working quarries on an economical basis which was subsequently accepted resulting in the formation of the Associated Stone Industries (Kotah) Ltd., Ramganj Mandi; Promoter and Director-in-Charge, Associated Stone Industries (Kotah) Ltd., Ramganj Mandi; Director-in-Charge, Rajputana Mining Agencies Ltd., Ramganj Mandi; Director: Western India Industrial Agencies Ltd., Bombay; Great Investment Trust Ltd., Bombay; Tapti Valley Paper Mills Ltd., Bombay. *Address*: Ramganj Mandi (Rajasthan), Western Rly.



PARIKH, Jayantilal Lalubhai, J.P. and Hon. Presidency Magistrate; Merchant and Landlord; Managing Director, Jostie Trading Corporation, Ltd. *b.* November 7, 1914, *s.* of late Lalubhai Premchand Parikh, Income-Tax Officer, Bombay; *m.* Sarladevi, *d.* of Dr. S. V. Shah, B.Sc., Ph.D. (Berlin), Ex-Principal, Dharmendrasinghji College, Rajkot; three *d.*; *Educ.*: Rghada New High School, Bombay and Dava College of Commerce, Bombay. Established the



Jostie Trading

Corporation as a proprietary firm, 1939; converted it into a private limited firm, 1947; established the Jain Sahakari Bank Limited (Co-operative Bank), 1946; was Assistant Managing Director of the Bank; became Managing Director, 1948; visited England, 1946, stayed there for 4 months and developed the electrical trade in which the firm was taking interest since 1939; Committee Member, The Electric Merchants' Assoc., Bombay since 1940; was twice Secretary, 1943 and 1947; was President, 1948; member, Indian Merchants' Chamber, Bombay; Bombay Chamber of Commerce, Bombay; General Secretary, The Bombay Digambar Jain Prantik Sabha, Hiraubaug, Bombay (Provincial Organisation of the Digambar Jain Caste) since 1944; Managing Committee Member of various charitable trusts such as Hirauband Gumanji Jain Boarding School, Tardeo; Hirauband Gumanji Dharmashala, Hiraubaug, C.P. Tank; Sheth Manekchand Hirauband Jubilee Baug Trust; Ratanben and Rukhmaniben Panachand Savlik-Ahram (Ladies' Hostel), Tardeo. *Recreations*: Riding, Tennis and Indoor games. *Clubs*: Life Member, The Cricket Club of India, Ltd.; W.I.A.A. Club House, Ltd.; P. J. Hindu Gymkhana; The Bombay Amateurs' Riding Club; Member, Bombay Presidency Radio Club, Ltd.; Shree Krishna Merchants' Club; Aryan Lodge (Masonic). *Address*: Office: The Jostie Trading Corporation, Ltd., Maskati Mahal, Lohar Chawl, Bombay 2. *Residence*: 1st Floor, Madhavani Building, Sandhurst Bridge, Chowpatty, Bombay 7.

PARIKH, Rasiklal Umachand, B.Com. (Bombay), B.Com. (London), Home & Communications Minister, Saurashtra. *b.* May 18, 1910, *s.* of Umachand Nanchand Parikh of Limbdi and of Surajben; *m.* Sharda, *d.* of Capt. V. J. Doshi of Bhavnagar; two *s.* and two *d.*; *Educ.*: Jaswantiniji High School, Limbdi; Fergusson College, Poona (1926-27); Sydenham College of Commerce & Economics, Bombay; London School of Economics, London. Courted imprisonment thrice in 1930, 1933 and 1942; was Secretary, Kathiawar Political Conference; Member, Constituent Assembly of India, 1948; elected Member, House of the People, Feb. 1952, resigned and elected to Saurashtra Leg. Assembly; Minister, Home, Services, P.W.D., Medical and Health, Information, Printing Press and Stationery and Communications Deptt. at various periods. *Address*: Eastern House, Rajkot.

PARMAR, Shamji Vasmali, B.Sc. (Born). Business man and Manufacturers' Representative; Proprietor, Modern Trading Corpora-



tion. *b.* May 23, 1908 at Bhavnagar; *m.* Smt. Manchha, three *d.*; *Educ.*: Bhavnagar, Ahmedabad, Baroda, Bombay, Poona, Calcutta; was Sir Jaswantiniji Scholar at Samaldas Coll., Bhavnagar. Started business at Bhavnagar dealing in Radlos, Refrigerators, Electrical Goods, Chemicals, etc., with Agencies for Saurashtra territory, 1930, was some time in-Charge, Bhavnagar Port Wireless Station; was Chief Excise Inspector, Bhavnagar State; settled at Bombay doing business in Chemicals, etc., Jan. 1943. Toured extensively on business visiting England, France, Switzerland, Canada and U.S.A., April 1946-April 1947; has been influenced by the writing of the American author Dr. Napoleon Hill. *Recreations*: Books on Psychology, Personal Success, Biographies. *Address*: Office: 79, Meadows Street, Fort, Bombay 1. *Residence*: Palijs Mansion, 193, Vincent Road, Dadar, Bombay 14.

PARMAR, Dr. Yashwant Singh, Chief Minister, Himachal Pradesh. *Educ.*: Forman Christian Coll., Lahore; Lucknow Univ.; took Ph.D. District and Sessions Judge, Simur, 1937-41.

Resigned and exiled from the State due to political differences; entered politics, 1947; elected Pres. Himalayan Hill States Regional Council, All-India States People's Conference; organized Satyagraha in Suket State resulting in the integration of 24 States into Himachal Pradesh; was member: A.I.C.C.; Chief Commissioner's Advisory Council, Himachal Pradesh; Indian Constituent Assembly; Pres., H.P.C.C., 1948-50; Leader, Indian Parliamentary Delegation to the Inter-Parliamentary Conference at Istanbul, Turkey, 1951; elected M.L.A., Himachal Pradesh from Pashua constituency in the general elections. *Address*: Simla.

PATANKAR, Dr. Vasant Sitaram, M.Sc., Ph.D., Principal, Siddharth College, Bombay. *b.* April 21, 1907, *s.* of S. G. Patankar, Deputy Collector, Bombay; *m.* Mr. Putalabai Patankar; one *s.* and one *d.*; *Educ.*: Royal Institute of Science, Bombay. Worked on the Physics Staff of the Khalsa College, Bombay, Baroda College, Baroda and Royal Institute of Science, Bombay; Member, Bombay Univ. Re-organisation Cttee. (1950). *Publications*: Many research publications in Indian and foreign journals. *Address*: Kharkar House, Hindu Colony, Bombay 14.

PATANKAR, Hari Vinayak, B.A., LL.B. (Bombay), M.P. Advocate. *b.* May 15, 1892, *s.* of Vinayak Vaman Pataskar, Civil Judge, Bombay State and Smt. Saraswatibai Vinayak Pataskar, *m.* Smt. Annapurnabai Hari Pataskar, one *d.* Venu Pataskar; *Educ.*: Fergusson College, Poona; Govt. Law Coll., Bombay. Enrolled as an Advocate, Bombay High Court and set up practice in Khandesh, 1917; Congressman since 1920; member, A.I.C.C., 1929, entered Bombay Leg. Council, 1927, resigned as a protest against the incarceration of Gandhiji 1930; elected, M.L.A., Bombay, 1937; elected again, 1945; member, Constituent Assembly of India, 1947, returned to the House of the People, 1952. Jailed for taking part in the freedom movement, 1942, was elected Pres., Borough Municipality, Chalisgaon, continuously and unanimously for 15 years, Chairman, Educational Society, Chalisgaon, since 1922, has been taking part in all social, educational and political activities of Maharashtra, since 1922; Chairman (Local Cttee.), Blind Relief Assoc. (Chalisgaon). *Address*: Chalisgaon, Dist. East Khandesh; 11, Electric Lane, Curzon Road, New Delhi.



PATEL, Babubhai Jashbhai, B.A., LL.B., Dy. Minister, Public Works and Transport, Bombay. *b.* Feb. 9, 1911, *s.* of Jashbhai Makandas Patel, Nadiad, Dt. Kaira; *m.* Smt. Lilavati; two *s.*; *Educ.*: Govt. High School, Nadiad; Baroda; Fergusson, Wilson, St. Xavier's and Govt. Law Colleges, Bombay. Joined Congress movement, 1930; was Parliamentary Secretary to Chief Minister. *Address*: Anand Kutir, Nadiad, Dt. Kaira; *Residence*: A-6, Foreshore Road, Govt. Bungalow, Back Bay Reclamation, Fort, Bombay; Office: Secretariat, Bombay 1.

PATEL, Baburao, Critic, Author, Journalist, Film Producer, Director, Editor, Filmindia and Managing Director, Filmindia Publications Ltd. *b.* April 4, 1904, at Maswan, Thana Dist., Bombay, *s.* of Pandurang V. Patel, Advocate, Bombay High Court. Took up free-lance journalism as a career, 1922; wrote, directed and produced motion pictures simultaneously with journalistic activities; specialised as a critic of art, stage and films; started Filmindia a popular magazine in India, April 1935; agitated against



anti-Indian pictures produced by British and

Hollywood producers; carried the campaign successfully to Europe and Hollywood in 1939 and obtained guarantees from foreign producers to stop films slandering India; lectured in Europe and United States on India's ancient culture and civilisation; launched another campaign against indigenous crime and anti-social pictures, 1940; set up a production code and compelled revision of film censorship; recognized as one of India's foremost critics of art, stage, films and politics; visited America again for sociological study and survey, 1948. *Hobbies:* Music, Gardening and Travelling. *Publications:* 'Grey Dust', wrote and produced the following films: *Kismet, Mahananda, Bala Joban, My Darling, Maharane, Drupadi and Gagan*; wrote numerous articles for several Indian and Overseas periodicals. *Address:* "Girnar," Pali Hill, Bombay 20.

PATEL, Bhagwat Prasad R., M.A., A.I.A., I.C.S., Dir.-Genl. Shipping. *Educ.* Proprietary High School, Ahmedabad and Gujarat College and Baroda College; M.A., 1933; passed I.C.S. Examination, 1935. Became Associate of the Institute of Actuaries, London, 1936. Joined I.C.S., 1936; took service in Sind; served as Asstt. Collector, Asstt. Revenue Officer, Barrage Collector, Dy. Secy. and Secy., Food & Civil Supplies Department, Govt. of India, Ministry of Food, April 1947 to Aug. 1948; was Chairman, Capital Selection Cttee. for Saurashtra and Rajasthan; Chief Secy., PEPSU, Aug. 1948-March 1950. Chief Secretary, Saurashtra, March 1950-May 1954. *Address:* Bombay.

PATEL, Chhotabhai Shankerbhai,* J.P., Millowner and Industrialist. *b.* Oct. 5, 1889, at Sunav, Kaira Dist.; *m.* two *s.* and three *d.* Joined



East Africa, 1909; started own cotton business in Uganda, 1913; returned to India, 1930; Chairman: Bombay State Road and Transport Corporation; Chhotabhai Patel & Co. Ltd., Managing Agents of Asarwa Mills Ltd. Nos. 1 and 2, Ama Ltd., Pure Products & Madhu Canning Ltd., New Era Armoury Ltd. and Gelgy Insecticides Ltd. and New Indian Textile Products Ltd.; Director: Swastik Oil Mills Ltd., Aloo Insurance Co. Ltd., Aluminium Hindustan Ltd., New Great Insurance Co. of India Ltd., Oxy-Chloride Flooring Products Ltd., etc.; Ex-Chairman: Chemical Industries Sub-Cttee. (Bombay Govt.); Oil and Vegetable Mfg. Sub-Cttee. (Central Govt.); Association of Indian Industries (1942); Ex-member: former B.B. & C.I. Railway Local Advisory Cttee.; Indian Oil Seeds Cttee.; Food Standards Cttee.; Bombay Leg. Assembly; Public Accounts Cttee. of Bombay Govt., etc.; Pres., Rotary Club of Bombay (1950); Vice-Chairman, Vanaspali Manufacturers' Assoc. of India; Chairman, Bombay Oilseed Crushers Assoc.; member: Cttee. of Indian Merchants' Chamber; Regional Transport Authority; Bombay Labour Advisory Board; Electric Standing Advisory Cttee.; State Advisory Council of Industries; was appointed J.P. and Hon. Presidency Magistrate, 1948. *Clubs:* Willingdon Sports Club; Cricket Club of India; Bombay Presidency Radio Club; Royal Western India Turf Club and Rotary Club of Bombay. *Address:* Office: Kodak House, Hornby Road, Bombay 1; *Residence:* Malabar Court, Ridge Road, Bombay.

PATEL, Dahyabhai Vallabhbhai. *b.* Nov. 28, 1905, *s.* of late Sardar Vallabhbhai Patel; *m.* Bhanumati, sister of Pashabhai Patel, Baroda; two *s.*; *Educ.* Bombay and later at the Gujarat Vidyā Pith, Ahmedabad. Joined Oriental Govt. Security Life Assurance Co. Ltd. as an Apprentice, 1927; Inspector, 1929; Superintendent of Agents, 1938; Dy. Agency Manager, 1946; Agency Manager, 1947; retired, 1948; elected Policyholders' Director,

June 1949; member, Bombay Municipal Corporation since 1939; Chairman, Standing Cttee., 1946-47; member, B.E.S.T. Cttee. since 1947; Leader of the Congress Party in the Municipal Corporation, April 1949; member: Cttee. of the Indian Merchants' Chamber; Senate of the University of Bombay; Pres.: W.I.A.A.; elected Mayor, Greater Bombay Municipal Corporation, March 1954. *Address:* 68, Marine Drive, Bombay 1.

PATEL, Hiralal Malibhai, B.A. (Oxon.), B.Com. (London), C.I.E. (1946), Secretary, Ministry of Food. *b.* Aug. 27, 1904; *m.* Savita Patel; *Educ.* St. Xavier's High School, Bombay, and St. Catherine's at Oxford. Served as Sub-Divisional and Dt. Officer in Sind; Sind Separation Officer, 1935; Deputy Secy., Finance Dept., Govt. of Bombay; Secy., Stock Exchange Cttee., 1936-37; Trade Commr., Northern Europe, at Hamburg, June 1937 to outbreak of War; Deputy Trade Commr. and Trade Commr., London, 1939 Sept. to 1940 July; Secy., Eastern Group Supply Council, 1941-42; Deputy Director-General, Supply Dept., 1942-43; Joint Secy. and Secy., Industries and Civil Supplies Department, 1943-46; Joint Secy. and Secretary to the Cabinet, 1946-47; Partition Secretary; Defence Secretary, 1949-Oct. 1953. *Address:* 2, Roberts Road, New Delhi.

PATEL, Surgeon Lt.-Commander Dr. Jai R., M.D., F.C.P.S., Professor, Grant Medical Coll., Bombay; Surgeon; Hon. Physician to the President of the Indian Republic. *b.* in Surat; *Educ.* Baroda Coll.; passed M.D. with distinction from Bombay Univ. Was Hon. Physician to the British Military Hospital during the last war; worked for the R.N. Hospital and also for R.I.N. Hospital (Sewri); was appointed Lt. Commander; is Chief Medical Officer among others to: The Tata Industries Ltd., Air-India Ltd., The Times of India Press, The Central Bank of India Ltd.; Examiner: M.D. and M.B.B.S., Lucknow and Bombay Univ.; M.Sc. and M.B.B.S., Madras Univ.; L.C.P.S. and M.C.P.S., College of Physicians and Surgeons; Fellow, Bombay Univ.; Member, Academic Council; Hon. Cardiologist & Physiotherapist (Mily. Hospital, Colaba) for the Defence Service personnel stationed in Bombay; was Mr. Jinnah's personal physician. *Publications:* Paper on the actions of the various official and non-official drugs on dogs' Blood Pressure with special reference to Supra Renal Cortex. *Address:* Mherwan Building, Sir P. M. Road, Fort, Bombay.

PATEL, Jehangir Pestonji, M.A. (Cantab.), Cotton Merchant. *b.* 1st February 1905, *s.* of Pestonji D. Patel; *Educ.* St. Xavier's High School, Bombay and Downing College, Cambridge. Mg. Director of The Patel Cotton Co. Ltd., Director: Bhopal Sugar Industries Ltd., Imperial Bank of India, Bombay. The New Great Insurance Co. of India Ltd., G. Claridge & Co. Ltd., Indian Schering Ltd., The Bombay Steam Navigation Co. (1953) Ltd., The Khatau Makanji Spg. & Wvg. Co. Ltd., and Sindhia Workshop Ltd.; Partner, Messrs. Patel Brothers Cotton Brokers, Bombay and Director, The Patel Cotton Co. (Pakistan) Ltd., and Patel Brothers (Pakistan) Ltd., Karachi; Member: New York Cotton Exchange; New York and Liverpool Cotton Assoc. Ltd., Liverpool; Pres., Aditya Seva Mandal; Trustee, Rustomji N. Wadia Trust Buildings and Nowroji N. Wadia Trust Buildings. *Clubs:* Willingdon, Rotary, Cricket Club of India, Radio Club, The Royal Western India Turf Club Ltd., The Western India Automobile Association, Club House Ltd. and The National Sports Club of India. *Address:* Gandhigram, Juhu, Bombay 23.



PATEL, Shantilal Vithalbhai, B.A., LL.B., India Government Trade Commissioner in Australia. *b.* Aug. 1, 1916, *s.* of late Vithalbhai C. Patel; *m.* Smt. Savitri Patel; one *s.*; Suresh Patel; *Educ.* Gujarat Coll., Ahmedabad; Wilson Coll., Bombay, Sir Lalubhai Shah Law Coll., Ahmedabad. Served under Mafatlal Gagalbhai & Sons, Managing Agents, Gagalbhai Jute Mills Ltd., Calcutta, 1941-49; joined Indian Foreign Service, July 1949. *Address:* Prudential Building, 39-49, Martin Place, Sydney.

PATEL, Mrs. Sushila Rani Baburao, M.A., L.T., Journalist, Associate Editor of *Film-India* and Director, Filmindia Publications Ltd. *b.* Oct. 20, 1918, at Madras, *d.* of Anand-
rao Tombat, Advocate, Madras High Court; *m.* Baburao Patel, Editor, *Filmindia*, Dec. 27, 1945; *Educ.* Had a brilliant first class career; obtained M.A. degree in Science from Madras Univ. with first class honours winning Pulney Andey Gold Medal for Botany, May 1939; passed L. T. (Madras Univ.) in 1941 standing first and won the Univ. Gold Medal. After some experience of teaching, took up journalism in 1942 and joined *Filmindia*; worked in two motion pictures *Drupadi* (1944) and *Gagan* (1948); is keenly interested in classical music; visited America for social studies, 1948. *Hobbies:* Music, Arts, Gardening. *Publication:* *Grey Dust*. *Address:* "Girnar," Pali Hill, Bombay 20.



PATELL, Jehangir J. K., Secretary, W. I. A. Association, Bombay, since 15th April 1939. *b.* 2nd August 1905, *s.* of Jamsheerji Cowasji Patell, Solicitor; *Educ.* St. Xavier's School and College; Davar's College of Commerce and School of Accountancy, London; completed articleship for Incorporated Accountancy with Messrs. S. B. Billimoria & Co., Bombay. Assistant Secretary, W.I.A. Association, 1931-39; contributed articles on various subjects, particularly on 'Motoring' and 'Photography'; Vice-Patron and Life Member of the Bombay Presidency Olympic Association and the Bombay Symphony Orchestral Society. Honorary Treasurer of the Western India Football Association; Life Member of the Western India Automobile Association and the Cricket Club of India, Limited; Member of the Royal Asiatic Society; member, Govt. Traffic Advisory Cttee. *Clubs:* Willingdon; Rotary Club of Bombay; Royal Western India Turf Club; Royal Western India Golf Club, Nasik; President for the last eight years of the W.I.A.A. Staff Sports Club and the W.I.A.A. Staff Association. *Recreations:* Football Motoring and Photography. *Address:* Jer Manor, Chanda Ramji Estate, Colaba, Bombay.



PATERIA, Pandit Sushil Kumar, M.A., M.P., Banker and Agriculturist. *b.* Oct. 28, 1923, at Jabalpur, *s.* of Pandit Gajadhar Prasad Pateria; *Educ.* Model High School, Hitarini Mahavidyalaya and Mahakoshal Mahavidyalaya, Jabalpur. Joint Secy., New Education Society, Jabalpur; member, Hitarini Sabha, Jabalpur, Academic Council, Sagar Univ., Samaj Shiksha Samiti, Jabalpur; was elected to Parliament on Congress ticket from Madhya Pradesh, Jabalpur North Constituency, 1952. *Hobbies:* Music,



* Died on May 29, 1954.

Painting and Photography. *Recreations*: Hunting, Reading literature. *Clubs*: Rotary Club and G. C. F. Club, Jabalpur. *Addresses*: 376, Wright Town, Jabalpur (Madhya Pradesh); 51, North Avenue, New Delhi.

PATIALA, Lieutenant-General His Highness Maharajadhiraj Sir Yadavindra Singh Mahendra Bahadur, G.C.I.E. (1945), G.B.E. (1941), LL.D. (1939), Rajpramukh, Patiala and East Punjab States Union, and Maharaja of b. January 7, 1913, s. of His late Highness Maharajadhiraj Bhupendra Singhji; m. The Princess of Serakolla; two s. and two d.; *Educ.*: Aitchison College, Lahore. *Recreations*: Practically all games, particularly Cricket, Tennis, Horticulture. *Club*: Rajindra Gymkhana Club.



Patiala. Address: Motibagh Palace, Patiala (in Winter); Chall, Simla Hills (in Summer).

PATIL, Bhaurao Payagonda, popularly called 'Karmaveer' Patil, Social worker in educational field; founder, 'Rayat Shikshan Sanstha', Satara. b. 1887, at Altavade Bk., Satara Dist., s. of Payagonda Devagonda Patil, Chaturtha Jain; m. Laxmibai Patil (deceased) of Kumbhoj, Kolhapur Dist.; one s. and one d.; *Educ.*: Rajaram High School, Kolhapur. Started career as Insurance agent; joined Kribskar Bros. Iron Works and Ogale Glass Works as Sales Organizer; took a prominent part in starting Cooper Engineering Ltd.; worked hard to promote education among masses; founded 'Shikshan Prasarak Mandal' at Dudhgaon, 1909; started boardings for children at Kale and Nerle; founded 'Rayat Shikshan Sanstha' (Education Society for Peasants), Kale, 1919; shifted to Satara in 1924 with a modest starting of a boarding house, which was later (1927) named as 'Chhatrapati Shahu Boarding House' at the hands of Mahatma Gandhi; the Sanstha with State and public support, canvasses, educates 30,000 students and runs (in both Satara Districts), 441 Primary Schools, 13 full-grade schools and 30 A. V. Schools, 11 cosmopolitan boardings, 4 Primary Training Colleges (1 for women) and an Arts College teaching upto B.A. at Satara, the guiding principles in all these institutions being manual labour, simplicity of life, self-help and abolition of castes and creeds; the yearly budget (1953-54) is 15 lakhs of rupees. Presented with a purse of over one lakh of rupees by the Satara Dist. Students Congress in appreciation of his selfless services in the educational and social spheres, 1948, which he donated to the Rayat Shikshan Sanstha; runs an education fund the Late Laxmibai Patil Memorial Education Fund in memory of his wife, out of which loan scholarships to the extent of Rs. 10,000 are annually awarded to the poor and deserving students taking secondary and higher education; member, Extra Mural Board appointed by the new Poona Univ.; Trustee, D. C. Mission Society of India; member, Advisory Board of Shree Gadge Maharaj Seva Sangh. *Address*: Rayat Shikshan Sanstha, Satara.



PATIL, Kallanagonda Fakiragonda, B.A. (Bombay), Deputy Minister for Agriculture and Forest Depts., Govt. of Bombay, since 1952. b. April 3, 1905, s. of Fakiragonda & Basamma Patil of village Kakol, Dist. Dharwar; m. Puttamma Herur; two s. and four d.; *Educ.*: Primary education at Kakol and Motabennur; Secondary education at Byadgi and Hubli; Karnatak Coll., Dharwar

& Rajaram Coll., Kolhapur; graduated, 1931. Headmaster, D. S. M. School, Haunsbhavi, 1932; arrested and convicted for 6 months R.I., worked as Secretary, Karnatak Provincial Harijan Sevak Sangh, 1934; Harijan Balikashram, Hubli, 1938-35; member, D. L. B., Dharwar, 1936-43; Chairman, Dist. School Board, Dharwar, 1939-43; Pres., Byadgi Municipality, 1940-43; in Jail (Yeravda & Hindalaga), March 1943-Dec. 1945; elected as M.L.A. from Dharwar South Rural General Constituency, 1946. Founder, *Vishvakarnatak*, Kannada Daily, Hubli; Parliamentary Secy. to Home & Revenue Minister, Bombay, 1946-52; elected M.L.A. (Bombay) from Ranabennur Constituency, 1952. *Publications*: *Philosophy of Village Movement*; *Removal of Untouchability*; *Subhashchandra Bose* (1938); *Satyagraha* (1938); *Our Land Tenure Problem* (1948); *Consolidation of small Holdings* (1949); *Muhammad Paigamber, the Divine Light of Islam* (1949), etc. all in Kannada. *Address*: Bungalow No. 3, Foreshore Road, Bombay 1.

PATIL, Laxmanrao Madharao, B.A., LL.B., Ex-Minister (Excise and Reconstruction), Government of Bombay. b. 16th June, 1907, at the village of Gahu, Taluka Rahuri, District Ahmednagar; m. Urmilabai, d. of Col. R. S. Chavan, Baroda; *Educ.*: Sangamner High School; Deccan College, Poona, Kolhapur Law College. Participated in the C. D. Movement in 1932 and sentenced to two years' R. I.; practised at Ahmednagar; presided over a number of political conferences; President of the District Congress Committee, Ahmednagar; edited local Congress papers *Sangha Shakti* and *Jansewa*, for one year before accepting office under the new Constitution; offered Satyagraha in 1940 and was sentenced to one year's rigorous imprisonment; detained as political prisoner for 21 months under Defence of India Rules on 10th August, 1942; Vice-Pres., Local Self-Govt. Institute, Bombay, since 1937; again elected to the Bombay Legislative Assembly, 1952. *Address*: 8, La Citadelle, Queen's Road, Bombay.

PATIL, Malagonda Panagonda, B.A., LL.B., Minister for Local Self-Govt. and Co-operation, Bombay. b. February 4, 1901; m. Mrs. Laxmibai Patil; *Educ.*: Rajaram Coll., Kolhapur, Fergusson Coll., Poona, Govt. Law Coll., Bombay. Began practice at Hukeri in Belgaum, 1924; Hon. Organizer of the Co-operative Societies in Hukeri; Pres., Taluka Local Board and member, District Local Board; joined the I.T.F. in 1926 and was promoted Lieut.; resigned, 1930 and joined the Satyagraha Movement; took active part in Satyagraha Movement in 1930 and courted imprisonment; organised Karnatak Provincial Political Conference in 1931 of which he was the Reception Committee Chairman; elected to the A.I.O.C.; arrested and detained, 1932; after release again convicted for 3 years; released by the end of 1934; elected M.L.A., Bombay, from Belgaum North General Constituency, 1936; was Parliamentary Secy. to the Revenue, Agriculture and Rural Development Departments; courted imprisonment for one year during individual C. D. Movement; jailed for more than a year in 1942 movement; elected Pres. of the K.P.C.C., 1945; Minister for Agriculture and Forests; again returned to the Bombay Leg. Assembly from his former constituency. *Address*: Secretariat, Bombay.

PATIL, Ramrao Krishnarao, B.Sc., LL.B., Ex-Minister, Planning and Development, Madhya Pradesh. b. Dec. 13, 1907; m. Subhadrabai, d. of Ganpatrao Hublikar; *Educ.*: Morris College, Nagpur; Hindu University, Benares; Law College, Nagpur; competed and passed the I.C.S. examination in England, 1930; called to the Bar, 1931. Served as Asst. Commissioner and Deputy Commissioner in different districts of the province; resigned from the I.O.S., 1943; Secretary of the Kasturba and Gandhi

Memorial Funds for the Marathi districts of Madhya Pradesh; Minister for Food and Agriculture, Madhya Pradesh; Food Commissioner, Govt. of India; Member, National Planning Commission. *Address*: Civil Lines, Nagpur.

PATIL, S. K., M.P., President, Bombay P.C.C., since 1946. b. Aug. 14, 1900 in Sawantwadi State; *Educ.*: St. Xavier's Coll., Bombay and London Univ. Joined non-co-operation movement, 1920 and conducted National Schools till 1924; studied journalism at the London School of Economics and London Univ. Coll. Took part in C. D. movements and was sentenced 8 times; member, Congress Working Cttee., Sept. 1947-51; member A.I.C.C. for last 25 years; Bombay Corporation for 17 years; was General Secy., Bombay P.C.C. for 17 years until he became Pres. in 1946; was M.L.A., Bombay for 10 years; was member: Central Board of Film Censors; Chairman, Govt. of India's Film Enquiry and Censorship Cttees.; member, C.C.I., Central Council, N.S.C.I., W.I.A.A., etc.; Pres.: Local Self-Govt. Institute, Bombay State; All-India Motor Unions Congress, New Delhi; Marathi Grandh Sangrahalaya, Bombay; Founder Member, Auto-India Co-operative Supply Sety. Ltd., connected with various social organisations and educational institutions in the City, toured important cities of Europe, America and Pacific Coast several times to study City Administration and Motion Picture industry and met important personalities; had the unique honour of being elected as the Mayor of Bombay for three consecutive terms, 1949-52; recently elected Fellow of the Royal Geographical Society. *Address*: Shanti Kutir, Marine Drive, Bombay 1.



PATNAIK, Uma Charan, M.A., B.L., M.P., Advocate. b. 1902, s. of Abhimanyu Patnaik, Retd. Govt. Officer and Author; m. Smt.



Durgabati Devi; two s. and one d.; *Educ.*: Ganjam, Madras and Cuttack. Enrolled as an Advocate, Prov. Scout Commr., Orissa; keenly interested in organising labour unions of motor workers, coastal seafarers, agricultural workers, etc.; member, Orissa Leg. Assembly for seven years; Dist. Board Pres., Ganjam, Municipal Councillor, Berhampur, etc.; formerly on the State Advisory Cttee., National Cadet Corps, Orissa; member, Central Territorial Army Advisory Cttee. *Publications*: *Volunteer Organisations*; *The Chitka Scheme*; *Aboriginals of India*; *Planning for India's Manpower*; articles on Defence Organisation in various Indian journals. *Recreations*: Gardening, Field sports, Games. *Addresses*: Berhampur, Ganjam (Orissa); 143, North Avenue, New Delhi.

PATTABHI RAMA RAO, S. B. P., B.A., B.L., Minister for Education, Industries, Excise and Prohibition, Commercial Taxes, Andhra State. b. Dec. 30, 1911; *Educ.*: Presidency Coll., Madras for the Intermediate; B.A. in Pithapur Rajah's Coll., Kakinda; Law Coll., Madras. Joined the High Court as junior to Mr. V. L. Ethiraj; practised for a few years in the Madras High Court; served on the Senate of the Andhra Univ., 1938-52; was on the syndicate, Andhra Univ., since 1944; ex-member, Executive Cttee., Madras Provincial Co-op. Bank; was member, Local Board of the Reserve Bank of India, 1947; elected M.L.A. (undivided Madras) on Congress ticket from Pamaru Constituency, E. Godavari Dist. *Addresses*: No. 136, First Main Road, Gandhinagar, Adyar, Madras 20; Secretariat Kurnool.

PATTANI, Anantrai Prabhashanker, M.A. (Cantab.), ex-Dewan, Bhavnagar State. b. 29th September 1888, d. s. of late Sir Prabhashanker Dalpatram Pattani, K.C.I.E. and Lady Rama Pattani; m. Yashomati L. Vaidya, 1904; one s.; *Educ.*: in England at Elstree, Harrow and Cambridge. Joined Bhavnagar State service in 1911; Controller of State Accounts; Tutor to His Highness the Minor Maharaja and brothers, 1920; Huzur Secretary, 1931; member, State Council, 1935; Dewan, 1937; States



Representative, Constituent Assembly of India, 1947; retired, 1948. *Publications*: Has written two small plays for students in Gujarati. A Gujarati translation of Bernard Shaw's "St. Joan" with an original "Explanation" of same; first fourteen chapters of H. G. Wells' "Outline of History" in Gujarati with original Preface for parents and guardians and Epilogue. *Address*: Anant Wadi, Bhavnagar.

PATWARDHAN, A. S., B.A., LL.B., Speaker, Madhya Bharat Assembly. b. 1909, in an ancient Brahmin family in Dewas; *Educ.*: Had a brilliant career in High School; took LL.B. degree (1st class) from Holkar Coll., Indore, 1933. Started practice at Dewas, 1934; was a leading practitioner in Dewas; was legal adviser to various industrial concerns and public institutions; member, Dewas Raj Sabha, 1934-47; member, popular Executive Council; first elected Speaker of Dewas Assembly; Ex-Pres., Dewas Congress and Dewas Municipality; a prominent Congressman of Madhya Bharat; unanimously elected Speaker, Madhya Bharat Assembly, 1952; Sanyojak, Bharat Sewak Samaj for Madhya Bharat. *Address*: Kusum Kunj, Bajrangpura, Dewas.



PATWARDHAN, Dr. Vinayak Narayan M.Sc. (Bom.), Ph.D. (Lond.), A.I.Sc. (Bangalore), Director, Nutrition Research, Indian Council of Medical Research, Coonoor. b. 10th Jan. 1905; m. Miss Godavari Damle, d. of the late Rao Bahadur P. L. Damle of Buldana; *Educ.*: Ewing Christian Coll., Allahabad, Fergusson Coll., Poona, Indian Institute of Science, Bangalore. Research Asst., Biochemistry Dept. of the Indian Institute of Science, Bangalore, 1927-32; Grocers' Company Research Scholar, Lister Institute of Preventive Medicine, London, 1933-34; Asst. Prof. of Biochemistry, Seth G. S. Medical Coll., Bombay, 1935-46; member, Nutrition Advisory Cttee., I.R.F.A. since 1939; F.A.O./W.H.O. Expert Cttee. on Nutrition. *Publications*: Papers on (1) Cheap balanced diets, (2) Basal metabolism, (3) Metabolism of Calcium, phosphorus fats and proteins, (4) Vitamin action and requirements, etc. *Address*: Director, Nutrition Research, I.C.M.R., Coonoor (Nilgiris), S. India.

PAVRY, Dastursada Dr. Jal, M.A., Ph.D., Spiritual Head of the Liberal Zoroastrian Church of Europe and America; Scion of a distinguished high-priestly family; Orientalist and Author. Received highest academic honours at Bombay Univ., 1916-20, and at Columbia Univ., New York, 1921-25. First scholar from India to be elected a Fellow and appointed a member of Columbia Faculty; awarded the University's most coveted Alumni Medal on his fiftieth birthday, 1950; Delegate to numerous international conferences for establishment of friendly relations between nations; Author of several important works on history and religions of Israel and Iran; delivered lectures upon aspects of Indian and

Iranian civilizations at several leading Universities of Europe and America; well-known figure in literary and political circles of England and on the Continent; has travelled all over the world and has world-wide contacts; received and honoured by Kings and Presidents of most of the countries in Europe and the Near and Middle East; has personal acquaintance of leaders of various nations; Member of Council of various international organizations for World Peace and of several scientific and learned societies; Pres., Columbia Univ. Alumni Assoc. of India; Hon. Member, Institute Littéraire et Artistique de France; Director, Indo-Iranian Society; Vice-Pres., World Alliance for International Peace through Religion, of World Fellowship of Faiths and of All-Inclusive Spiritual Centre of Geneva; has touched life at several points and given himself devotedly to the service of his country and larger humanity, identifying himself with various religious, educational and philanthropic movements; edited *Dastur Pary Memorial Volume* in English, French and German, prepared by 70 savants from 17 countries and published by Oxford Univ. Press in England (1954). *Address*: Malabar Hill, Bombay.

PENDHARKAR, Yeshwant Dinkar, Rajkavi (Poet Laureate) of Baroda (1940), Poet and Author. b. March 9, 1899, at Chafal, Dist. Satara, d. s. of Dinkar Ganesh Pendharkar and Mrs. Ambikabai Pendharkar; m. Kamalabai D. A. Pitre of Kolhapur; 2nd, Gulab Thakur of Tehri-Garwal; three s. and two d.; *Educ.*: Sangli High School. Served as a clerk in the Education Dept. for 17 years; a poet of Maharashtra; Popularly known as "Yeshwant"; Pres., Marathi Literary Conference at Bombay, 1950; Literary Editor, "Dnyanprakash". *Publications*: Seven Collections of Lyrics and 3 longer narrative poems of which one is Bandishala and 2 Kavyakriti. A collection of essays and a novel and 4 books for children (Bal Vangmaya). *Address*: 196/42, Sadashiv Peth, Poona 2.

PERIER, Most Rev. Ferdinand, S.J., Catholic Archbishop of Calcutta, since 1924. b. Antwerp, 22nd Sept. 1875. Joined Society of Jesus, 1897, nominated Superior of Jesuit Mission in Bengal, 1913; consecrated Co-adjutor Bishop, Dec. 1921; Archbishop of Calcutta on June 23, 1924; Grand Cross Order of the Crown; Grand Officer Order of Leopold; Assistant at the Pontifical Throne. *Address*: 32, Park Street, Calcutta.

PEREIRA, (Jr.), F. X., Managing Partner, F. X. Pereira & Sons, Madras. b. Dec. 3, 1921, d. s. of R. G. Pereira, at Colombo; has two children; *Educ.*: St. Joseph's Coll., Bangalore. Has been responsible for securing for the firm of F. X. Pereira & Sons a good place in foreign business as Agents of leading Textile Manufacturers of U.K. and as exporters of Minerals like Manganese Ore to the Continent, Japan and U.S.A.; is popular in business circles; is a keen sportsman (Club: Madras Riding Club). *Address*: 2/21, First Line Beach, Madras 1.



PEREIRA, R. G., Senior Partner, F. X. Pereira & Sons, Madras, Import Agents, Manufacturers, Exporters of Manganese Ore, etc. b. May 21, 1893, at Tuticorin; s. of late F. X. Pereira, has four children. *Educ.*: St. Benedict's Coll., Colombo. Chairman, F. X. Pereira & Sons Ltd., Colombo; Director, F. X. Pereira & Sons (Travancore) Ltd., Quilon and Tuticorin; Partner, Pereira



& Roche, Tuticorin; Director, Associated firm of Narottam & Pereira Ltd., Colombo. has always taken a leading part in public life and given his best for social service, is a large supporter of charitable and educational institutions. *Address*: 2/21, First Line Beach, Madras 1.

PETIT, Sir Dinshaw Manockjee, 3rd Baronet, cr. 1890. b. June 24, 1901, s. of Sir Dinshaw Manockjee Petit, 2nd Baronet, and Dinbai; m. Sylla, d. of late B. D. Tata, 1923; one s. and one d.; *Educ.*: St. Xavier's, Bombay; Trinity Hall, Cambridge. Called to Bar, Inner Temple, 1925; member, Chess Club of India, Bombay. *Heir.*: s. Nasserwanjee Dinshaw Petit, b. Aug. 13, 1934. *Address*: Petit Hall, Malabar Hill, Bombay.

PETRUS I, His Eminence the Most Rev. Mar. M.A., D.Litt., D.D., Lord Bishop of Ambur, Archbishop of India, Primate of all the Indies and Catholicos of the East. b. Oct. 28, 1903; *Educ.*: Voorhees College, Vellore, India; National Theological Seminary, U.S.A.; Western Orthodox Univ., England. Consecrated to the Episcopate, March 6, 1938 and appointed Ex-arch of the Catholicate of the West in the Indies, and Commissary of the Order of Corporate Reunion for the East, 1948. *Address*: Archbishop's Residence, Ambur.

PICKETT, Jarrell Wankom, M.A., D.D., LL.D., Bishop, Methodist Church. b. Feb. 21, 1890, s. of Rev. L. L. Pickett and Ludie Carrington Day (Pickett); m. Ruth Robinson, d. of Bishop and Mrs. J. W. Robinson; one s. and three d.; *Educ.*: Asbury Coll., Wilmore, Ky., U.S.A. Professor of Latin and Greek, Vilonia Arkansas, U.S.A.; Prof. of New Testament Greek, Taylor Univ., Indiana, U.S.A.; Pastor, Lucknow; Dist. Supt., Arrah, Bihar; Editor, "Indian Witness"; Research Secy., National Christian Council; Bishop, Bombay; Bishop, Delhi. *Publications*: *Christian Mass Movement in India*; *Christ's Way to India's Heart*. *Recreations*: Writing, Preaching, Promoting Schools and Hospitals. *Address*: 12, Boulevard Road, Delhi.

PILLAI, J. Shivashunmugam, M.A., Speaker, Madras Legislative Assembly. b. Feb. 24, 1901, s. of T. Jagannathan Pillai and Shree Jayalakshmi Amal; m. Chandra Leela; three s. and one d.; *Educ.*: Loyola College, Madras. Mayor of Madras, 1937-38. *Address*: Mayor Shivashunmugam Pillai Street, Nungumbakam, Madras.

PILLAI, Sir Narayana Raghavan, K.C.I.E. (1946), B.A. (Madras), 1918, B.A., LL.B. (Cantab.), 1922, C.I.E., C.B.E., I.C.S., Secretary-General, Ministry of External Affairs, Govt. of India. b. July, 24, 1898; m. Edith Minnie Arthurs; *Educ.*: Christian College, Madras and Trinity Hall, Cambridge. Entered I.C.S. in 1922 and served till 1927 in Madhya Pradesh; Assistant Collector of Customs, 1927; Deputy Director of Commercial Intelligence, 1929; Deputy Secretary to the Government of India, Commerce Department, 1931; Collector of Customs, 1936; Joint Secretary to the Government of India, 1938; Addl. Secretary to the Govt. of India, 1941; Secretary to the Govt. of India, 1942; Commissioner General for Economic and Commercial Affairs in Europe, Paris, 1948; Secy. to the Cabinet till 1952. *Address*: Ministry of External Affairs, New Delhi.

PILLAI, Dr. Parashottama Padmanabha, Representative of the I.L.O. in India. b. 1894; m. Lakshmi Kutty Menon; two s.; *Educ.*: Maharaja's Coll. and Law Coll., Trivandrum; London School of Economics,

Middle Temple, London; University of Geneva. Member, Economic and Financial Sec. of League of Nations, Geneva, 1924; Senior Member, Dip. Div. of the I.L.O., Geneva, 1927-28; off. Rep., I.L.O. in India, and Director of its Indian Branch, 1929-47; Chairman, I.L.O.'s Asiatic Mission, 1947; Vice-Chairman of Council, Indian Institute of International Affairs, 1942-44; Special Adviser to the Asian Regional Conference, Nuwara Eliya (Ceylon) 1950; Minister Plenipotentiary and Charge d'Affaires of India in France, 1949; Permanent Representative of Government of India to United Nations, July 1947-49; Gazetted Indian Ambassador to Japan, July 1949; Group (Chairman, International Conference of Social Work, 1952. *Publications*: *Economic Conditions in India*; *Banarasi Lectures*, 1929-30; *India and the I.L.O.*; *World Economic Changes since 1914-18*; *Labour in South East Asia*; *Asian Labour Laws*; numerous contributions on social and economic questions. *Address*: Cochin House, New Delhi.

PIZEY, Vice-Admiral Sir Charles Thomas Mark, C.B. (1942), D.S.O. (1942) and Bar to D.S.O. (1943), Commander-in-Chief, Indian Navy, since Oct. 1951. b. June 17, 1890, s. of the late Rev. C. E. Pizey of Mark and



Huntspill, Somerset and Mrs. Pizey of "Sandhills", Burnham-on-Sea, Somerset; m. Phyllis, d. of Alfred D'Angibau; two d.; Midshipman, H.M.S. Revenge, 1916-18; Lieut., 1920; H.M.S. Danae Special Service Squadron, World Cruise, 1921-22; Flag Lieut. to Vice-Admiral Sir Howard Kelly, 2nd in command, Mediterranean Fleet, 1929-30; Destroyer Commands Mediterranean and Home Fleets, 1930-39; Captain, 1939; commanded H.M.S. Ausonia, Atlantic patrol and convoys, 1939-40; Captain (D) 21st Destroyer Flotilla in H.M.S. Campbell, Nore Command, Channel and North Sea operations, 1940-42; C.B. D.S.O. and despatches twice; commanded H.M.S. Tyne and Chief Staff Officer to Rear-Admiral Destroyers Home Fleet, Russian convoys, 1942-43; Bar to D.S.O.; Director of Operations (Home), Admiralty Naval Staff, 1944-45; Chief of Staff to Commander-in-Chief, Home Fleet, 1946; Imperial Defence Coll., London, 1947; Rear-Admiral, 1948; Chief of the U.K. Services Liaison Staff in Australia, 1948-49; Flag Officer Commanding, First Cruiser Squadron, 1950-51; Vice-Admiral, 1951. *Recreations*: Golf, Tennis. *Clubs*: United Services Club, London, S.W.1.; Delhi Gymkhana Club, New Delhi. *Address*: Admiral's House, New Delhi; C/o Admiralty, Whitehall, London, S.W.1.

PODAR, Ramnath Anandilal, M.P., J.P.; J.P. & Hon. Presidency Magistrate (1944) Industrialist and business man. b. Jan. 21, 1910, s. of late Seth Anandilal Podar, Cotton magnate; m. Smt. Panabai; two s. and three d. *Educ.*: Marwari Vidyalaya High School. Joined father's business, 1927; Chairman: Podar Sons Ltd., Board of Directors: The Bank of Jaipur Ltd., The Jaipur Spg. & Wvg Mills Ltd.; Member: Council of States; Ctee. of: The Millowners' Assoc., Bombay; Federation of Indian Chambers of Commerce & Industry; Rajasthan Chamber of Commerce & Industry; Pres., Santa Cruz Education Society; Trustee and Pres., Anandilal Podar Education Society; Member: Senate, Univ. of Rajputana; Bombay Leg. Assembly (1946-52); Bombay Municipal Corporation (1943-52); Constitutional Reforms Advisory Ctee., Jaipur State (1943); numerous Institutions having activities connected with medical relief, social welfare and imparting of education; Member and Dir., many commercial and industrial enterprises; has travelled widely in Europe

and U.K. *Recreations*: Contract Bridge; Chess. *Clubs*: Cricket Club of India; Willingdon Sports Club; National Sports Club of India; Bombay Radio Club; Jaipur Club (Jaipur). *Address*: Podar Chambers, Fort, Bombay 1.

POHOWALA, Miss Coorai Nazimam, Proprietress, Poho Arts Academy, b. 1911, at Navsari. g. d. of late Khan Bahadur Manekji Pehowala, Government Engineer; *Educ.*: Navsari. Served in Govt. recognised Gamadia High School as painting and cutting-out teacher, 1931-46; obtained first Diploma of Tailor and Cutter Academy, London, 1941. prepares students in cutting-out, fancy-work and embroidery for Govt. diplomas; Examiner: S. & C. Board, 1951-53; Board of Technical Education, Bombay, 1949-51. *Publications*: *Stri-ni-Shobha* in Gujarati for ladies and children's garments *Recreation*: Indian Classical Music. *Address*: Jalpali Terrace, Forjett Street, Bombay 26



POONACHA, C. M., Chief Minister, Coorg, in charge of Land Revenue, Excise, General Administration, Forest, Agriculture, Civil Supplies, Appointment, Planning and Development and Budget. b. 1910, South Coorg. *Educ.*: Mangalore. Courted jail in Salt Satyagraha, C. D. Movement and Individual Satyagraha, 1932, '33 and '40; Sub-Editor, *Kodager*, a weekly, 1934-37; elected member, Coorg Dist. Board, 1938; its Pres., 1941, detained in the "Quit India" movement till 1944, elected M.L.C., Coorg and became leader, Congress Party in the Council, 1945; member, Indian Constituent Assembly and subsequently of Parliament; elected M.L.A., Coorg from Bettiahnad Constituency. *Address*: Chief Minister, Coorg.

POTDAR, Datto Vaman, Mahamahopadhyaya (1946), B.A. (Bombay), Educationist and Historical Research Worker. b. Aug. 5, 1890; *Educ.*: Poona. Worked as Professor of Marathi and History in the S.P. College, Poona; Orator, Educationist, Research Worker in the field of Indian History, particularly of the Maharatras; developed the Bharat Itihasa Sanshodhak Mandal, Poona; was its Hon. Secy. for 25 years; started the Indian History Congress in Poona, 1935; presided over the History Congress held at Delhi, 1948 and the Ahmednagar session of the Maharashtra Sahitya Sammelan, 1939; nominated to the Court and Academic Council of the Poona Univ.; Chairman, Shikshana Prasarak Mandal, Poona; Member: Editorial Board, Freedom History of India. Govt. of India; Indian National Commission for co-operation with UNESCO; Kul-Guru of the Tilak Vidyapeeth, Poona; Pres., Maharashtra Rashtra Bhasha Sabha. *Potdar Commemoration Volume*: presented on Oct. 28, 1950. *Publications*: *A History of Marathi Prose Literature*, etc. *Address*: 'Lokakalyan', 77, Shanwar Peth, Poona 2.

PRADHAN, Manohar Gopal, B.E. (Mech.), D.I.C., A.F.E.A.S., Council Member for India on International Civil Aviation Organisation, Montreal, b. January 11, 1906, s. of late Rao Bahadur G. V. Pradhan of Nasik; m. Miss Kamal Karnik, d. of late M. V. Karnik; two s. and two d.; *Educ.*: Royal Institute of Science, Bombay; Engineering College, Poona; Imperial College of Science and Technology, London. Appointed in Civil Aviation Department as Aerodrome Officer, 1932; later Technical Officer (Operations), Deputy Director of Air Routes & Aerodromes and Director. *Address*: 807, International Aviation Building, 1080, University Street, Montreal, Canada.

PRASSE, Sri, B.A. (Allahabad), B.A., LL.B. (Cantab.), Bar-at-Law, Governor of Madras, since March 12, 1952. b. Aug. 3, 1890, s. of Dr. Bhagavan Das, M.A., D. Litt.; m. Anasuya Devi, d. of Govind Prasad, landlord of Sasaram; 2 s. and 2 d. Educationist, Journalist and Politician; connected with the Benares Hindu Univ. (1914-17); *Leader*, Allahabad (1917-18); *Independent*, Allahabad (1919); *Aj*, Benares (1920-43); *National Herald*, Lucknow, since 1938; *Sansar* (Benares) (1945-46); member, A.J.C.C. (1918-45); Foundation member, Kashi Vidyapeeth (1921); Benares Municipal Board (1921-25); General Secy., U.P.P.C.C. (1928-34), and Indian National Congress (1929-31); Pres., U.P. Political Conference (1934) and Pres., U.P.C.C. (1934-35); M.L.A. (Central), 1934; re-elected, 1945; Chairman, Reception Ctee., Indian National Congress, 1938; imprisoned for Congress activities in 1930, 1932, 1941 and 1942; elected member, Indian Constituent Assembly for U.P., 1946; High Commissioner for India in Pakistan, 1947-49; Governor of Assam, Feb. 1949-May 1950; Minister of Commerce, Govt. of India (May 1950-Feb. 1951), Minister for Natural Resources & Scientific Research, Govt. of India, 1951-52; elected M.P. in the 1st general elections, Feb. 1952, subsequently resigned. *Publications*: *Annie Besant, as Woman and as Leader* (in English) and *Grihastha Gita, Sphut Vichar and Nagarik Shashtra* (in Hindi). *Clubs*: Kashi Club and Rotary Club, Banaras. *Address*: Sevashrama, Banaras; Raj Bhavan, Gulindy, Madras; Ootacamund, S. India.



PRASAD, T., Bar-at-Law, Chief Minister, Andhra State, since Oct. 1953 b. 1876, at Ongole Taluk, Andhra; *Educ.*: Rajahmundry; qualified for the bar. Entered municipal politics early in life; was elected Municipal Chairman; set up practice at Madras; was Editor, *Law Times*; gave up practice and plunged into the Satyagraha movement during the anti-Bowlat agitation, took part in all national movements and courted imprisonment several times, edited *Young India* for some time; entered the Central Assembly, 1925; resigned, 1930; became Revenue Minister in the C.R. Ministry, 1937; was responsible for the massive report on the land revenue problem of the zamindari section of the Province; founded the *Swarajya* in his twenties; has been a staunch advocate of zamindari abolition; was Pres., A.P.C.C.; was Premier, Madras for eleven months; one-third of the Province went dry during his office; temples were thrown open to Harijans; foundation for the abolition of the zamindari system was laid by the Estates Land Revenue Bill. *Address*: Kurnool.



PRASAD, Sind Basmi, B.Sc., LL.B., M.A., Ex-Judge, High Court, Allahabad, since 1947. b. Feb. 20, 1893, s. of late M. Kashi Prasad, Magistrate and Collector (U.P.); m. d. of late Kunwar Kamta Prasad, Dy. Collector; practised at bar at Allahabad, 1918-21; entered judicial service, 1921; served as Civil Judge and later as District & Sessions Judge; has served as Chairman of several boards, Ctee. of Courts of Enquiry in Industrial Cases; lately appointed by the President to advise the Govt. of India on the scheme of legislation regarding debts of displaced persons from Pakistan. *Publications*: Translated the U.P. Co-operative Manual and contributed many articles to Co-operative Journals. *Recreations*: Co-operative movement; Education and relief of the poor. *Address*: 3, Mayo Road, Allahabad.

PRASAD, Jamuna, B.A., Hons. (English), Patna, M.A. (Philosophy), Calcutta. Moral Sciences Tripos and M.Sc. (Experimental Psychology), Cambridge; Principal, Ranchi College, since Nov. 1946. *b. Sept. 27, 1898, s. of M. Mewa Lal; m. Smt. Kishori Devi; three s. and one d.; Educ.: Patna, Calcutta and Cambridge Universities. Professor of Philosophy, Patna Coll., 1926-37; Registrar, Patna Univ., 1938-43; Professor of Philosophy, Patna Coll., 1943-46. Publications: The Conscious, the Sub-Conscious and the Unconscious; Psychology of Rumour; Psychology of Class Consciousness; Psychological Study of Hindu Muslim Communal Problems; Psychology of Culture Conflict; A Comparative Study of Rumours in the History of Earthquakes. Recreations: Football, Hockey, Tennis, Cricket, Music. Address: Ranchi (Bihar).*

PRASAD, Dr. Jwala, M.A., Ph.D. (Cantab.), King George V Silver Jubilee Medal, and King George VI Coronation Medal; Principal, Shri Shivaji College, Amravati; Head of the Philosophy Department, Nagpur University; Director, Shri Shivaji Loka Vidyalaya, Amravati. b. Oct. 25, 1890; m. Shreemati Manorama; Educ.: St. John's College, Agra; and Fitz-William House, Cambridge. Professor, St. John's College, Agra; Professor and Principal, Robertson College, Jabalpur and King Edward College, Amravati. Publications: Text-Books of Intermediate Logic, Deduction and Induction; Introduction to Indian Philosophy; Indian Epistemology; Lectures on B.A. Ethics; History of Rome (Hindi); Western Logic (Hindi); and a number of research papers. Address: Camp, Amravati (Berar).

PRASAD, Kamta, Minister for Finance, Commerce and Industries, Labour and Agriculture, Bhopal State, since March 1951. b. Aug. 1912; m. Smt. Rama Dewi of Nagar, M.P., 1937; one s., Subhash Chandra and one d., Kumari Shakuntla; Educ.: Passed Intermediate Examination from Alkharh Univ., 1934; passed two years Govt. Commercial Diploma Course, New Delhi, 1936; Joined Agriculture Dept., Bhopal, 1937; worked in P.W.D.; entered business, 1940 and politics, 1942; organized the State People's Conference; became Pres. Shree Praja Mandal; Bhopal State Harijan Sewak Sangh; organized Youth Kisan and Labour Fronts in the fight for responsible Government against the Nawab; elected member, P.C.C. thrice, became Minister for Agriculture, Forest and Finance in the Coalition Cabinet, Bhopal, 1948; resigned 1949; organized Bhopal Raj Kisan Congress; was Pres. Bhopal State Kisan Congress; Raisen Tehsil Congress Ctee; elected to State Leg. Assembly from Raisen Constituency in the general elections, 1952. Address: Subhash Bhawan, Shahjahanabad, Bhopal

PRASAD, Dr. Mata, M.Sc., D.Sc., F.R.I.C., F.N.I., Director, Central Salt Research Laboratory, Bhavnagar, since June 1953. b. Feb. 1896, s. of Munshi Mathura Prasad; m. Shella Mathur; three s. and two d.; Educ.: Agra, Banaras and London; was the recipient of merit scholarship at the B.Sc. examination; was the U.P. Govt. Scholar for research at Banaras; worked at the Royal Institution, London, 1926 and 1934; Fellow of the Royal Institute of Chemistry, London; Fellow of the National Institute of Sciences, India; Fellow of several societies in India; President, Indian Science Congress, Chem. Sec., 1941; Principal, Institute of Science, Bombay, 1946-53 and Professor of Physical and Inorganic Chemistry, 1925-53. Publications: About 140 original papers published in journals in India and abroad on Colloidal Chemistry, Magneto Chemistry, Photo Chemistry, X-rays and Crystal structure, Chemical Kinetics and many

Industrial topics. Clubs: Rotary Club, Bombay, Radio Club, Bombay. Address: Central Salt Research Laboratory, Bhavnagar

PRASAD, Raj Kishore, M.A., B.L., Senior Advocate, Supreme Court of India and Advocate, Patna High Court, Bihar. b. March 30, 1902 at Isapore, Dist. Patna, s. of late Shashi Bhushan Lal, B.A. (All), B.L. (Pat.). Pleader, Monghyr and Gaya and late Smt. Rama Kuer; m. Smt. Sarojini Devi, 1918. 2nd d. of late Munshi Bishundev Narayan of Gamharla, Pleader, Aurangabad; three s., Shiva Priya, B.A. (Hons.), M.A., B.L., Advocate, Patna High Court, Shankar Priya, B.Sc. and Shambhu Priya and four d. Mrs. Premilata Prasad, Mrs. Snehlata Hajela, M.A. (Pat.), Sahitya Ratan (All), Kanaklata and Hemlata; Educ.: Matriculated in the first division from Palamau Zila School at Daltonganj, 1916; joined Patna Coll. same year, took M.A. degree in English language and literature, 1922; joined Patna Law Coll., 1920 and took B.L. degree, Jan. 1924, having been placed high in the first class at both the Intermediate and Final law Examinations; Secretary, Patna Coll. Chanakya Society and Prefect, Minto Hindu Hostel, 1919-20. Enrolled as pleader and joined Dist. Court, Gaya, 1924; enrolled as Advocate, Patna High Court and set up practice at Patna, 1933; enrolled as Advocate, Federal Court of India, 1939; enrolled as Senior Advocate, Supreme Court of India, 1950; Asstt. Public Prosecutor at Gaya, on Advocate-General's Panel in the High Court, and part-time lecturer at the Patna Law Coll., 1939-43; Member: Bihar Univ. Senate and Syndicate since April 1952; Patna High Court Bar Council, since 1945; Council of All India Federation of Educational Assoc., Governing Bodies of Doogarh Coll. and B. N. R. Trg. Coll. Executive Ctee. of Patna High Court Advocates' Assoc.; Life Member, Bharat Scouts and Guides' State Council, Bihar State; Ex-Pres: Rotary Club of Patna; Kishore Dal, Central Hqs., Bihar State; Ex. Ctee.: Bihar Young Men's Institute, S. P. C. A. State of Bihar; Ex-Asstt. State Commr., Bharat Scouts and Guides, Bihar State; Ex-Member. Governing Bodies of Patna Law Coll., Sachchidananda Sinha Coll. and H. D. Jain Coll., Arrah; Ex. Ctee. of Patna Law Coll. and Patna Coll. Old Boys' Assoc.; Working Ctee. of Lawyers' Assoc., Bihar State; Board of Secondary Education, Bihar State and Patna Univ. Secondary Examination Delegation; Ex-Vice-Pres. Bihar Physical Educational Assoc., Bihar State and Sahishnu, Patna; Member, Old Patna Univ. Senate, 1943-51 and Syndicate, 1948-52; Member, Faculties of Arts and Law, Bihar Univ. and Old Patna Univ. and Examiner in Law (B.L. Exam) and Member, Board of Examiners in Law, Old Patna Univ., Examiner in Law (LL.B. Exam.) and member, Faculty of Law, Univ. of Rajputana. Publications: Law of Torts, 1947, prescribed for B.L. Exam. by the Old Patna Univ. Hobbes: Walking, reading and writing; Public and social work. Address: Shashi Sadan, Patna 3, Bihar



PRASAD, Dr. Rajendra, M.A., M.L., LL.D., President, Indian Republic, since Jan. 28, 1950. b. Dec. 8, 1884; Educ.: Presidency Coll., Calcutta. Prof. of English, G.B.E. Coll., Mussafarpore, 1908; practised, Calcutta High Court, 1911-16; practised, Patna High Court, 1916-20; joined Mahatma Gandhi in Champaran agrarian movement; suspended practice as lawyer and joined non-co-operation movement, 1920; General Secretary,



Indian National Congress; member Congress Working Committee; President, Indian National Congress, 1934, 1939, 1947; imprisoned several times for taking part in Civil Disobedience Movement; last time arrested, Aug. 1942; released, 1945; Member and Minister for Food and Agriculture in Indian Interim Govt and first Indian Government after Independence in 1946 and 1947 respectively; Chairman, Indian Constituent Assembly since formation in Dec. 1946; left Government, Jan. 15, 1948; President of Congress, Nov. 18, 1947-Dec. 1948; other activities include propagation of Hindi, journalism, and social humanitarian and relief work in general; one of the founders of the Patna English daily, Searchlight and the Hindi Weekly, Desh. Publications: India Divided; Atma Katha (autobiography) and Mahatma Gandhi in Champaran. Address: Rashtrapati Bhavan, New Delhi.

PRASADA, Krishna, I.C.S., J.P., C.I.E. (1943), Ex-Director-General, Posts and Telegraphs, New Delhi. b. Aug. 4, 1894; m. Shrimati Bishan Devi; Educ.: Bareilly College, Bareilly, and New College, Oxford. Started service in 1921 in U.P. where he was Collector & District Magistrate till 1934, when he was appointed P.M.G. led the Indian Delegation to the International Telecommunications Conferences, Cairo, in 1938, Buenos Aires 1952 and to the International Postal Congress, Paris, in 1947; Oxford Tennis Blue (1921); played for India in the Davis Cup in 1927 and 1932; Pres., Indian Lawn Tennis Assoc., 1951, retired, July 31, 1953. Address: New Delhi.

PRASADA, Shankar, M.Sc., I.C.S., Chairman, Indian Airlines Corporation, since March 1954. b. March 11, 1905, s. of Kameshri Prasad; m. Radhavati; two d., Mrs. Virendra Kumar and Mrs. L. Nigam. Educ.: Allahabad Univ., Allahabad; Magdalene College, Cambridge. Joint Magistrate, 1930-36; Magistrate & Collector, Shahjehanpur, 1937-38; Dy. Secy., Govt. of U.P. Education & Industries Dept., 1938-41; Settlement Officer, 1941-42; Excise Commissioner, Uttar Pradesh, 1942-46; Magistrate & Collector, Meerut, 1946-47; Chief Commissioner, Ajmer, 1947-48; Chief Commissioner, Delhi, 1948-54. Club: Roshanara Club, Delhi. Address: Delhi.

PRASAD, Dr. Saini, D.Sc. (Punjab et Edinburgh), F.R.S.E., F.L.S., F.Z.S., F.A.S., F.N.I., O.B.E. (1943), Director of Fisheries, West Bengal, Calcutta, since Dec. 1950. b. 13th March, 1894; m. Miss Ram Dass; Educ.: Punjab Univ., Lahore and Edinburgh Univ. Appointed Supdt. of Fisheries, Bengal, Bihar and Orissa, 1917; Offg. Dir. of Fisheries, 1919-20; Asstt. Supdt., Zoological Survey of India, 1920 and again 1921; Offg. Supdt., 1920 and 1923; Offg. Dir., 1924, 1927, and again 1929, confirmed 1933. Fisheries Development Adviser to the Govt. of India, 1944-50. Publications: Progress of Science in India during the past 25 years; English translations of Tabaqat-i-Akbar; Qanun-i-Humayuni; Maathir-ul-Umara and over 150 scientific papers on the zoology of India in various Indian and foreign journals. Address: Writers' Buildings, Calcutta 1.

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PRUTHI, Ram Singh, B.Sc. (Hon.), M.Sc. (First Class), Ph.D. & Sc.D. (Cantab.), O.B.E., Plant Protection Adviser to Govt. of India since 1945. b. Feb. 1897; m. Shrimati Harbans Kour; Educ.: Govt. Coll., Lahore; Peterhouse, Cambridge; M.Sc., Kapurthala; Natural Science Student (Punjab Univ., 1920-23), Charles Abercrombie Research Student of Peterhouse (1924-25). International Education Board (Rockefeller) Research Fellow, 1925-26; Foundation Fellow, National Institute of Sciences of India, Secretary of the Institute since 1947; Fellow and Barclay Memorial Medalist of Royal Asiatic Society of Bengal (for best work in Biological Research). Sectional Pres., Indian

Science Congress, 1940; Pres., Entomological Society of India; Imperial Entomologist, Govt. of India, 1934-44; Director, Imperial Agricultural Research Institute, New Delhi, 1944-45; Director, Locust Control in India, since 1944. *Publications*: About one hundred original research papers on insects and other animals. *Club*: Delhi Gymkhana. *Address*: Ministry of Food & Agriculture, New Delhi.

PURI, Sardar Bahadur Balwant Singh, C.I.E. (1946), O.B.E. (1932), K.B.J. (1948), Secretary-General, Indian Red Cross Society and St. John Ambulance Assoc. and Brigade. b. 1892, s. of S. Kalyan Singh Puri; m. Smt. Rita, d. of H. Kalyan Singh Mehta, 1910; *Educ.*: Sukho, Lyallpur and Amritsar. Hon. Secy., Indian Leprosy Assoc., member; Central Union of Tuberculosis Assoc. of India; Indian Conference of Social Work; Indian Soldiers, Sailors and Airmen's Board; Ex-Services Assoc. of India; represented India at: Advisory Conference of National Red Cross Societies (Geneva), 1945; meetings of Board of Governors of League of Red Cross Societies (Paris), 1945 and (Oxford), 1946; National Red Cross Societies Conference at Geneva, 1946, and XVIIth International Red Cross Conference (Stockholm), 1948; member, Federal Public Service Commission, 1948-49; Leader, Indian Red Cross delegation to the XVIIth International Red Cross Conference, Toronto, July-Aug. 1952; visited on invitation America and Europe, American Red Cross National Headquarters and the International Red Cross Committee's headquarters in Geneva, Sept. 1952; member, Indian Advance Party to Korea in connection with the repatriation of P.O.W.s, Aug. 1953; Pres., Sikh Co-operative Thrift & Credit Society, 1924-49 and its Patron since; awarded Silver Jubilee Medal (1935), and Coronation Medal (1937); Sardar Bahadur, 1926. *Club*: Delhi Gymkhana Club. *Address*: 19, Curzon Road, New Delhi.

PURI, Dev Datt, B.A. (Punjab), M.L.A. (Punjab), Business man. b. August 4, 1914, s. of R. B. Dewan Badri Das, Advocate, and Sh. Basanti Devi; m. Shreemati Kamla Khanna; one s. and one d.; *Educ.*: Central Model School, Lahore; Forman Christian College, Lahore. Started career as an apprentice in 1933 with the Jallakshmi Sugar Mills Co. Ltd., Dohwala; appointed Manager of the Saraswati Sugar Mills, Jamna Nagar (Distt. Ambala), 1935; promoted General Manager, 1937; Managing Director, 1941; appointed



Managing Director of the entire concern, The Saraswati Sugar Syndicate Ltd. owning the Saraswati Sugar Mills, Jamna Nagar (Distt. Ambala) and The Neoli Sugar Factory, Neoli (Distt. Etah), 1946; Managing Director of the Punjab Textile Mills Ltd., Jamna Nagar (Distt. Ambala), 1943; elected Chairman of the Upper India Glass Works Ltd., Ambala City, 1943; appointed Managing Director, The Indian Sugar & General Engineering Corporation Ltd., Jamna Nagar (Distt. Ambala), 1946; Managing Agent of The Pakpattan Electric Power Co. Ltd., Pakpattan (Pakistan); elected member, Punjab Legislative Assembly, 1952. *Address*: "Saraswati House", P.O. Jamna Nagar, Distt. Ambala; Rly. Stn. Jagadhri, Northern Rly.

PURUSEOTAM, Jatavallabha, M.A. (Madras) in Sanskrit and Telugu, Head of the Department of Sanskrit, S.E.R. and C.V.R. College, Vijayawada, since June 1948. b. Aug. 2, 1906, s. of Krishna Somayaji, a Vedic scholar; m. Mrs. Bala Tripura Sundaramma, d. of Dr. M. Narasimha Sastri of Kakinada; three s. and four d.; *Educ.*: Taylor High School, Narasapur; Maharajah's College, Vistanagaram. Principal, S.V.J.V. Sanskrit

College, Kovvur, West Godavari Dist., 1932-48; Congress Detenu, 1948. *Publications*: *Vedic Women*; *Women in the Smritis*; *Hindutem*; *Introduction to Bhagavat Gita*, etc. *Address*: Vijayawada (Bezwada).

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RADHAKRISHNAN, Sir S., Kt. (1931), F.R.S.L., M.A., D.Litt. (Hon.), LL.D., F.B.A., Vice-President, Indian Republic. b. 5th Sept. 1888; *Educ.*: Madras Christian Coll. For some time Prof. of Philosophy, Presidency Coll., Madras; Mysore Univ.; Upton Lecturer in Comparative Religion, Manchester Coll., Oxford; Hibbert Lecturer, 1929-30; Vice-Chancellor, Benares Hindu Univ., 1939-48; Spalding Professor of Eastern Religions and Ethics, Oxford, 1936-52; George V Professor of Philosophy, Calcutta, 1921-39; member, International Ctee. on Intellectual Co-operation, 1931-39; member and leader, Indian Delegation, U.N.E.S.C.O., 1946, 1947, 1948, 1949, 1950; Pres., 1952; elected Chairman of the Executive Board, U.N.E.S.C.O., 1948; Chairman, Univ. Commn., Govt. of India, 1948; Indian Ambassador Extraordinary and Minister Plenipotentiary to Soviet Russia, 1949-52. *Publications*: *Philosophy of Rabindranath Tagore*, *Reign of Religion in Contemporary Philosophy*, *Indian Philosophy*, 2 Vols. *The Hindu View of Life*, *An Idealist View of Life*, *East and West in Religion*, *Kalki or the Future of Civilisation*, *The Religion We Need*, *Gautama the Buddha*, *Eastern Religions and Western Thought*, *India and China*, *Religion and Society*, *Education, Politics and War*, *Bhagavadgita*, *Dharmapada*. Articles on Indian Philosophy and others in *Encyclopedia Britannica*. *Address*: 30, Edward, Elliot Road, Mylapore, Madras; 2, King Edward Road, New Delhi.



RAGHAVAN, H. E. Shri Nedyam, B.A. (Madras), Barrister-at-Law (Inner Temple), Indian Ambassador in China, since 1952. b. June 23, 1900, s. of K. C. Veerarayan Rajah; m. Radha Nambiyar; two s. and one d.; *Educ.*: Christian College, Madras; Council of Legal Education, London. Practised Law in Malaya, 1928-47; Consul-General for India in Indonesia, 1947-48; Indian Ambassador to Czechoslovakia, 1948-50; Ambassador to Belgium and Minister to Luxembourg, 1950-51; Indian Ambassador in Switzerland and Minister to the Holy Sea and Austria, 1951-52. *Recreation*: Tennis. *Address*: "Hermitage", Ormes Road, Kilpauk, Madras; Indian Embassy, Peking.

RAGHAVAN, Dr. V., M.A., Ph.D., Professor of Sanskrit, Madras University. b. Aug. 22, 1908, s. of S. Venkatarama Iyer and Minakshi; m. Smt. Sarada; two s. and two d.; *Educ.*: Govt. High School, Tiruvavur; Presidency Coll., Madras. Supdt., Saraswati Mahal Mus. Library, Tanjore (1931); Senior Asstt., Catalogue Catalogorum, Madras Univ. (1935), Asstt. Editor (1938); Junior Lecturer in charge (1939); Senior Lecturer in charge (1948); Reader and Head of the Department of Sanskrit, Madras Univ. (1950). *Publications*: *New Catalogue Catalogorum*, Vol. I; *Sringara Prakasa*, Pts. I-II; *The Number of Rasas*; *Some Concepts of Alankara Sastri*; *Sringara Manjari of Akbar Shah*; Sanskrit plays and poems; *Vayalakhemi vratam* (Tamil short stories). *Address*: Department of Sanskrit, University of Madras, Madras-5.

RAGHUBIR, Siva Maharaaj Kumar, Dr., M.A., D.Litt., LL.B., M.P. (Council of States), Hon.-Apprent of Sitamau (Malwa), b. Feb. 23, 1908; m. Maharaaj Kumari Mohan Kumari of Parbargarh State (Rajputana), Dec. 2, 1929; two s. and two d.; *Educ.*: At home and the Holkar Coll., Indore; took B.A. (1928), LL.B. (1930) and M.A. (1938) from the Agra Univ.; awarded D.Litt. on the thesis *Malwa in Transition*, 1936. Closely associated with the Sitamau State Administration, 1934-38; High Court Judge, Sitamau State, 1932-40; Pres., Sitamau State Shasan Samiti (Executive), 1939-41, 1945-48; Pres., Sitamau State Rajya Parishad (Legislature), 1939-41 and 1945-46, actively participated in the Chamber of Princes affairs; took a leading part in bringing about the formation of the Madhya Bharat Union, 1948; served in the Indian Army as an Emergency Commissioned Officer, 1941-45; Capt. (1941), Major (1942); an eminent writer of Hindi prose and a historian of great repute; awarded the Mangala Prasad Prize for the year 1945 for his Hindi book *Malwa Men Yugantar* by the Hindi Sahitya Sammelan, Allahabad; owns a library, Shri Raghurib Library, at Sitamau, having a large collection of important historical manuscripts and rare printed books on the Muslim and Maratha periods of Indian history. *Publications*: (Hindi) *Purva-Madhyakalin Bharat*, *Bikhar Phool*, *Napta Deep*, *Malwa Men Yugantar*, *Sheha Smritiyen*, *Jeevan Dhuti*, *Jeevan Kan*, *Rallam*, *Kee Pratham Rajya*, *Purva-Adhunik Rajasthan*; (English) *Malwa in Transition*, *Indian States and the New Regime*, *A Hand-List of Important Historical Manuscripts in Shri Raghurib Library*. Edited, (Hindi) *Kahani*; *Nai-Purani*; (English) Poona Residency Correspondence Series, (Vol. IX) *Daulat Rao Sindhia and Northern Indian Affairs* (1800-1803), (Vol. X) *Treaty of Bassein and the Anglo-Maratha War in the Deccan* (1803-04), (Vol. Extra) *Selections from Sir G. W. Malet's Letter-Book*: 1780-1784. Translated into Hindi Dr. Jadunath Sarkar's *A Short History of Aurangzeb* under the title *Aurangzeb*. *Address*: "Raghurib Niwas", Sitamau (Malwa).



RAGHURAMIAH, K., M.A., LL.B., Bar-at-Law, M.P., Advocate, Madras High Court. b. Aug. 6, 1912, s. of K. Jagannadham; m. Smt. Lakshmi Raghuram; one d. *Educ.*: Guntur, Lucknow and London. Enrolled as Advocate, Madras High Court; was subsequently in Madras Govt. service for some time as Acting Law Secretary. *Recreation*: Tennis. *Club*: Madras Gymkhana Club. *Address*: 55, Harrington Road, Chetpet, Madras.



RAHMAN, Srimati Indrani, Classical Bharata Natyam Dancer. b. Sept. 19, 1930, at Madras, d. of Ramal B. Bajpai and Smt. Bagini Devi, Indian Classical dancer of international reputation; m. Habib Rahman, Senior Architect, Govt. of India; one d.; *Educ.*: India, England and U.S.A.; took the Natyakala Bhusanam Diploma from the Indian Institute of Fine Arts, Madras, Dec. 1950. One of the foremost exponents of Classical Bharata Natyam of Tanjore; studied under Natyakala Vissarada Pandanallur Chokkalingam Pillai; conferred the title of "Miss India 1952", at the first All India Beauty Contest, April 1952. *Address*: New Delhi, India.



RAI, Atab, Barrister-at-Law, Managing Director, Hindustan Machine Tools Ltd., Jalahall. b. Oct. 24, 1893, s. of late Rai Khushwakt Rai, R.C.S., U.P.; m. Krishna; two s. and one d.; *Educ.*: Benares, Glasgow and Dublin. After return from U.K. in 1919, Private Secy. to late Sir Ganga Ram of Lahore; later in business in Lahore; in 1943 appointed as Deputy Director-General (Supplies), Ministry of Industries and Supplies, Materials Economy Officer and Director-General of Disposals; Chairman, Rehabilitation and Development Board and Ex-officio Additional Secy. to the Govt. of India, Ministry of Rehabilitation; was Consul-General for India in Buenos Aires (Argentina); Charge d'Affaires and Minister, Brazil. *Clubs*: Calcutta Club, Calcutta; Delhi Gymkhana Club; Chelmsford Club, New Delhi; Roshanara Club, Delhi. *Address*: Jalahall, Bangalore.

RAJJI, Mrs. Jayashri, B.A. (Bom.), M.P. b. Oct. 26, 1895, d. of Sir Manubhai Mehta; m. N. M. Rajji; two s. and two d.; *Educ.*: Baroda Coll.; Bombay Univ. Justice of Peace and Honorary Magistrate; appointed on the Women's Section, Relief and Rehabilitation Dept., Govt. of Bombay; Member, Children's Aid Society; Chairman, United Women's Organisations Ctee.; was Vice-Pres., All India Women's Conference; Pres., Bhagini Samaj for a long time; member, Syndicate of the S. N. D. Thackersey Women's Univ., Bombay. *Address*: "Arvind", Darobsha Road, off Nepean Sea Road, Bombay 26.

RAJ, Des, B.A., LL.B., ex-Minister for Civil Supplies, Industries and Law, PEPSU. b. July 14, 1914, s. of L. Dhani Ram of Papra Bhal-ka village, Mansa tehsil (PEPSU); m. Smt. Sita Devi, d. of late L. Tilak Ram of Bhadaur; one s.; *Educ.*: Graduated from Mohindra Coll., Patiala; Law Coll., Lahore. Started practice at Mansa, 1941; joined the Civil Supplies Department, Govt. of India, 1942; dismissed from service for his anti-British activities; took active part in 'Quit India Movement' and was detained in District Jail, Delhi; entry banned in Delhi and Punjab States; returned to Patiala State; has been a member of Executive of State Prajamandal and State Congress for the last six years. *Address*: C/o Secretariat, Patiala.

RAJA, Dr. Kishakhe Covilagam Kutty Ettan, L.M. & S. (Madras), L.R.C.P. & S. (Edin.), L.R.F.P.S. (Glasgow), D.P.H. (Cambridge), D.T.M. & H. (Cambridge), Spl. Officer, All-India Medical Institute, New Delhi. b. Aug. 19, 1893; m. Shrim. Parappil Madhavi Amma; two s.; *Educ.*: Madras Medical Coll.; Edinburgh; Cambridge and London at the London School of Tropical Medicine and Hygiene. Medical Officer of Health, Madras Public Health Service for 11 years; Asstt. Professor and Professor of Epidemiology and Vital Statistics, All-India Institute of Hygiene & Public Health, Calcutta, 3½ years; Medical Statistician, Central Health Dept., 1½ years; Asstt. Public Health Commissioner, over 2 years; Dy. Public Health Commissioner, 2½ years; Secy., Health Services and Development Ctee. (Bhore Ctee.), 2 years; Officer, Health Planning & Development, Central Health Dept., 1½ years; Dy. Director-General of Health Services, Govt. of India, about 9 months; Director-General, 1948-52. *Publications*: *A life table for London*; *The Use of Bacteriophage against Cholera in North Arcot District, Madras Presidency in 1933*; *Probable Trend of Population Growth in India*; *A plea for a Forward Public Health Policy in India*; *Health Problems of India*, etc. *Address*: New Delhi.

RAJA, P. S. Kamaraswami, Governor of Orissa State. b. June 1898 in Rajapalayam, Ramnad Dist., s. of late Jagga Raja alias Sanjeevi Raja; *Educ.*: Early education in Rajapalayam; Srivilliputtur; evinced keen interest in social service and public activities even as a student. Pres.: Pudupalayam Co-operative Society, 1920; Srivilliputtur Co-operative Central Bank (1932); Rajapalayam Co-operative Supervising Union, 1924; Bhoopathi Raju Co-operative Bank, Rajapalayam, 1924-46; Rajapalayam Land Mortgage Bank, 1930; Rajapalayam Panchayat Board, 1928-32; Ramnad Dist. Board, 1937-42; Vice-Pres., Srivilliputtur Co-operative Central Bank, 1921; Madras Provincial Co-operative Union for some time; Ramnad Dist. Educational Council, 1934; Ramnad Dist. Congress Ctee. for some time; was member, Executive Ctee., Madras Prov. Co-operative Union; member: Executive Ctee., Tamil Nad Congress Ctee. since 1930; A.I.C.C. since 1931; has closely associated himself with the Congress movement since 1920; elected M.L.A. Central on Congress ticket, 1934; M.L.A. Madras, 1937; again elected M.L.A. Madras and became Minister for Agriculture, Sri Prakasa's Cabinet, 1946; resigned, Feb. 1947; was member, Industrial Planning Ctee.; elected Leader, Madras Congress Legislature Party, March 1949; Chief Minister, Madras State, 1949-52; had as his guest in his house, Mahatma Gandhi, 1927 and 1933. *Address*: Raj Bhavan, Cuttack, Orissa.



RAJA, Tribhovandas Jagjivandas, M.A., LL.B., J.P., retired Dewan of Kutch State, b. Nov. 6, 1893; m. Misa Taralaxmi R. Khandedia; *Educ.*: Bahadurkhanji High School, Junagadh; Bahaduddin Coll., Junagadh; Wilson Coll., Bombay and Govt. Law School, Bombay. Lecturer in History, Wilson Coll., 1914-16; Naib Dewan and Sarnayadish, Wankaner State, 1917-20; Deputy Revenue Commissioner, Junagadh State, 1920-21; Huzur Personal Asstt. and Revenue Minister, Limbdi State, 1921-30; appointed Dewan, Lunawada State, 1930; Foreign, Political and Finance Minister, Bikaner, Jan. 1933; reverted to Lunawada, July 1933; appointed Dewan, Porbandar State, 1934; created a Tazmi Nirdar (Dowdi) of the Porbandar State, July 1936; retired with grant of a special Varshasan (annuity for life), Nov. 1938; appointed Dewan, Partabgarh State, Nov. 1939; elected by the Rajputana Group of States (Rulers) to the All-India Ctee. of Ministers in bye-election, July 1941; re-elected for another term of two years, March 1942; appointed Chief Minister, Ratlam, Nov. 1942; received the decoration of Dohri (double) Tazim and Gold from His Highness of Ratlam, Jan. 1944; elected by the Central India Group of States (Rulers) to the All-India Ctee. of Ministers, 1944; was granted a *Varshasan* of Rs. 1,501-0-0 for life by H. H. of Lunawada, June 1945; appointed Dewan, Kutch State, Jan. 1947; was granted by the Ruler of Ratlam, an annuity of Rs. 3,000 for life on his leaving Ratlam service and a moiety thereof to his heirs and successors from generation to generation in lieu of Jagir; retired from Kutch service, March 1948, on the demise of the late Ruler; Senior Partner, Unity Cotton Co., Bombay; Jt. Promoter, Bharat Salt & Chemical Industries, Ltd., Mundra, Kutch. *Address*: "Dev-kunj", 81, Shivaji Park, Cadell Road, Bombay 28.

RAJABHOJ, Pandurang Nathuji, M.P., Journalist and Agriculturist. b. March 15, 1905, s. of N. D. Rajabhoj at Nadi; m. Smt. Rukminibai, 1919; two s. and two d.; *Educ.*:

Nutan Marathi Vidyalyaya and Maharashtra Education Society's High School, Poona. Left Govt. service to work for the amelioration of the backward classes, 1925; Editor, *Dalit Bandhu*, since 1928; edited *Indian States* for two years; ex-member, I.N. Congress; Secy., All-India Depressed Classes League, 1935-37; represented the depressed classes on the Franchise Ctee. of the Simon Commission; imprisoned several times in connection with satyagraha movement of scheduled castes; one of the signatories to the Poona Pact; General Secy., A.I.S.C.F. since its inception in 1924; attended the 2nd World Buddhist Conference at Tokyo, 1952; Vice-Pres., Depressed Class Mission Society of India; Gen. Secy., Bharatiya Boudh Jana Sangh. *Hobbies*: Reading; Collection of literature about backward classes. *Publications*: *Lashkari Peshu* (Marathi); pamphlets in Marathi on Buddhism; translation of Dr. Ambedkar's books. *Address*: 207, Ghorpade Peth, Poona 2.

RAJADHYAKSHA, Mr. Justice Ganpat Sakharam, M.A. (Cantab.), Bar-at-Law (Gray's Inn), I.C.S., Punes Judge, High Court of Judicature, Bombay. b. Sept. 9, 1896, s. of Rao Bahadur S. V. Rajadhyaksha, formerly Executive Engineer, Bombay; m. Miss Champu Nahar; one s. and one d.; *Educ.*: Elphinstone High School and Coll., Bombay; St. Catherine's Coll., Cambridge; School of Oriental Studies, London Univ. Entered I.C.S., 1920; Asstt. Collector, Patna, 1921; Asstt. Collector and Collector, E.K., 1921-24; Asstt. Judge, Dhulia, 1924-26; District and Sessions Judge, Satara (1926), Bijapur (1927); Dy. Secy., Govt. of Bombay, Legal Dept. and Secy., Bombay Leg. Council, Jan. 1928; Secy., Indian R.T.C., London, 1930-31; member, Franchise Ctee., 1932; Secy., Govt. of Bombay, Legal Dept., and Remembrancer of Legal Affairs, 1934-37; District & Sessions Judge, Dharwar (1935-36), Ahmedabad (1938-42), Poona (1942-43); Addl. Judge, Bombay High Court, 1943; member, Court of Industrial Arbitration, 1940-46; Adjudicator in the Postal Dispute, 1946; Adjudicator in the Rly. Dispute, 1946-47; Commissioner, Income Tax Investigation Commission, 1947-48; Chairman, Indian Air Transport Inquiry Ctee., 1950; Solo Member, Indian Fertilizer Inquiry Ctee., 1951; Chairman, Press Commission, 1952-53. *Recreations*: Tennis, Golf, Photography. *Clubs*: Orient Club, Bombay; Cricket Club of India, Bombay; Willingdon Club, Bombay. *Address*: High Court, Bombay.

RAJAGOPALACHARIAR, C., B.A., B.L., Ex-Chief Minister, Madras. b. 1379 in a village near Hosur, Salem District; *Educ.*: Central College, Bangalore; Presidency College and Law College, Madras. Joined Bar in 1900; joined Satyagraha campaign, 1919 and the Non-co-operation Movement in 1920; edited Mahatma Gandhi's paper *Young India* during the latter's imprisonment; General Secretary of the Indian National Congress, 1921-22; member, working Committee of Congress, 1922-42 and again 1946-47; served sentences of imprisonment on five occasions in Congress campaigns. Member of the Council of the All-India Spinners' Association from the beginning up to 1935; Secretary, Prohibition League of India, 1930; Vice-Pres., Dakshin Bharat Hindi Prachar Sabha; Prime Minister, Government of Madras in charge of Home and Finance Portfolio, July 1937-39; resigned Prime Ministership of Madras, October 1939 with other Congress Ministers; resigned in April 1942, from Congress on account of difference of opinion; assisted Mahatma Gandhi in the Gandhi-Jinnah talks in Sept. 1944; member of Governor-General's Council, September 1940-August 15, 1947, holding the Portfolios of Industries and Supplies, of Education and of Finance for different periods; Governor of West Bengal, Aug. 1947; acted as Governor-General of India, Nov. 1947; Governor-General of India, June 1948-Jan. 26, 1950; Minister Govt. of India, without portfolio, May-Dec. 1950 and Home Affairs, Jan.-Nov., 1951; resigned Chief

Ministership of Madras, March 1954. *Publications*: Tamil books on Socrates, Marcus Aurelius, Bhagavad-Gita, Mahabharata and Upanishads; *Fatal card and other Stories*; (in English) Mahabharata, Bhagavad-Gita, Upanishads and Vedanta; *Prohibition Manual and Way Out and Reconciliation*. *Address*: Bazulullah Road, Thyagarayanagar, Madras.

RAJAGOPALAN, Justice P., B.A. (Hons.) (Madras), B.A. (Tripos) (Cambridge), Judge, High Court, Madras. *b.* April 29, 1901, Fandi, North Arcot Dist., Madras State. *s.* of P. Desikachariar; *m.* Ambujammal Rajagopalan, 1922; three *s.* and five *d.*; *Educ.*: Presidency College, Madras; Queen's College, Cambridge. Joined Indian Civil Service, 1924; Asstt. Collector till Feb. 1926; Sub. Collector, 1926-33; Dt. Judge in various districts, 1933-48. *Recreations*: Tennis, Bridge. *Clubs*: Cosmopolitan Club; Mylapore Club; M.C.C., Madras; Century Club, Bangalore. *Address*: Edward Elliot Road, Mylapore, Madras 4.

RAJAMANNAR, Chief Justice Dr. P. V., B.A., B.L., LL.D., Chief Justice, High Court, Madras, from 18th January 1948. *b.* May 10, 1901; *Educ.*: Christian Coll. and Law Coll., Madras. Apprenticed and later served as junior under his father, Dewan Bahadur P. Venkataramana Rao; Advocate-General, Madras, 1944-45. *Pulse* Judge, July 25, 1945, conferred the Hon Degree of Doctor of Letters by the Andhra Univ., Jan. 1953; Chairman, National Academy of Music, Dance and Drama. *Publications*: Sometime edited a Telugu Journal of Art and Letters called *Kala*, author of many plays in Telugu. *Address*: 16, Victoria Crescent, Egmore, Madras.

RAJENDRASINHJI, General, Maharaj, D.S.O. (1941), American Legion of Merit, Degree of an Officer (1946), mentioned in dispatches, 1941, Commander-in-Chief, Indian Army, since Jan. 15, 1953



b. June 15, 1899. *s.* of Maharaj Devisinhji and Baabhi Nathiba Sahab of Jamnagar; *m.* Bashri Mayakunwar Sabalsinhji; one *s.*, Rajkumar Sukhdevsinhji, and two *d.*, Rajkumari Chandrakunwar and Rajkumari Dhiraj Kunwar; *Educ.*: Rajkumar College, Rajkot; Malvern College, U.K.; Royal Mill College, Sandhurst. Joined 60th Rifles in 1921 and 2nd Royal Lancers; Gardner's Horse in 1922; saw service in Egypt and Western desert, 1941, being awarded the D.S.O. and mentioned in despatches in the same year; on special deputation to U.S.A., 1942-43 and as Military Attache, U.S.A., 1945-46; promoted Brig., 1946; Maj.-Gen., 1947 and Lt.-Gen., Jan. 1948 and posted as G.O.C.-in-C., East Comd.; G.O.C.-in-C., South Comd., May 1948-Jan. 1953; promoted General, 1953. *Recreations*: Rackets, Cricket, Polo, Golf and Shooting. *Address*: Army House, New Delhi.

RAJGARHIA, Seth Babulalji, a prominent business man in Calcutta *b.* Jan. 29, 1903, *s.* of Seth Kedarnathji Rajgarhia; *Educ.*: Privately. Started business career at age of 22; is working a number of mica mines in Bihar; is running a Jute manufacturing establishment; has an engineering workshop for the manufacture of small machinery and industrial tools and implements; has interests in Bajrang Chemical Co. and the Bengal Central Chemical Co.; owns a library having a collection of 15,000 to 20,000 books; a patron of many cultural and academic institutions both in Calcutta and



elsewhere. *Publications*: Frequently contributes to the Hindi and English language press in Calcutta. *Recreation*: Study of books. *Address*: 13, Syed Sailey Lane, Calcutta 7.

RAJU, Dr. P. T., B.A. (Allahabad), M.A. (Calcutta), Ph.D. (Calcutta), Sastri (Govt. Sanskrit Coll., Benares), Univ. Professor of Philosophy and Psychology, Univ. of Rajputana, Jaipur. *b.* Aug. 17, 1903. Some time Reader in Philosophy, Andhra Univ., Waltair; some time Secy., Indian Philosophical Congress; Sectional Pres., Indian Philosophical Congress, 1938; All-India Oriental Conference, 1947; Tata Visiting Prof. of Philosophy, The Asia Institute, New York, 1949; Delegate, East-West Philosophers' Conference, Hawaii, 1949; Woodward Lecturer, Yale Univ., 1950; Visiting Prof. of Philosophy, Univ. of California, 1950; Visiting Prof. for Comparative Philosophy, Univ. of Illinois, Urbana, 1952-53; sometime joint-editor, *The Philosophical Quarterly*, Amalner; Member, Editorial Board, *Philosophy—East and West*, Univ. of Hawaii; Philosophical views: Vedanta and Critical Humanism; authority on Comparative Philosophy. *Publications*: A number of articles in British, Indian and American philosophical journals; *Thought and Reality* (Allen and Unwin Ltd., London); *Comparative Studies in Philosophy* (Allen and Unwin Ltd., London); *Telugu Literature* (International Book House, Bombay); *India's Culture and Her Problems* (Univ. of Rajputana, Jaipur); *Idealistic Thought of India* (Allen and Unwin and Harvard Univ. Press), and chapters in *Essays in East-West Philosophy* (Univ. of Hawaii Press); *Cultural Heritage of India* (The Ramakrishna Mission); *Philosophy Eastern and Western* (Govt. of India) and *Radhakrishnan* (Library of Living Philosophers). *Recreations*: Light reading and walking. *Address*: Jaswant College, Jodhpur



RAJU, Rao Bahadur P. Venkataramana, B.E.C.E. (Hons.), M.I.E. (Ind.), I.S.E. (Retd.), Head of the Dept. of Engineering, Annamalai Univ. *b.* Jan. 14, 1895; *m.*: four *s.* and four *d.*; *Educ.*: Madras Christian Coll.; Engineering Coll., Chempauk; member: International Assoc. for Hydraulic Research; Indian Roads Congress and Assocn. of Principals and Technical Institutions. Served in Madras P.W.D. in I.S.E., 1919-50; Govt. of India's delegate to the International Roads Congress at the Hague (Holland), 1938; toured 14



different countries in Europe; made special study of modern methods of road making, Soil Mechanics Laboratories, construction of high dams and irrigation works, 1938, Madras Govt. delegate at the Indian Roads Congress Sessions, Bombay, 1939, Madras, 1945, Jaipur, 1946, Trivandrum, 1947; conducted special examination of weak bridges along trunk roads in Madras State, 1940-41; A.R.P. Special Engineer, 1941-45; carried out Aerodrome works on behalf of Govt. of India, War Dept., 1942-46; delivered Endowment Lectures under Madras Univ. "Maharaja of Travancore Curzon Endowment" on roads in Holland, Reclamation of the Zuider Zee, Engineering in A.R.P.; Chairman, Board of Examiners in Engineering and Technology, Annamalai Univ.; member, Syndicate, Academic Council, Faculty of Engineering and Technology and Board of Studies, Annamalai Univ.; Freemason and Rotarian. *Clubs*: Presidency Club, Madras; Century Club, Bangalore. *Address*: "Shangrila," 23, Crescent II Road, Gandhinagar, Adyar, Madras.

RAJU, V. B., Diploma in Engineering (Civil), Ex-Minister for Labour, Rehabilitation, Planning and Information, Govt. of Hyderabad. *b.* May 6, 1914, *s.* of Vissem Raju and Punnamma; *m.* Kamala; *Educ.*: Vishakapatnam and Madras. Worked as Consulting Engineer and Architect, 1934-45; joined Hyderabad State Congress, 1946; was in charge of Madras border in the Hyderabad peoples' freedom struggle; member, Hyderabad Pradesh Congress Ctee.; was Pres.: All-India Aero Workers' Federation and N. S. Railway Employees' Union and Tandar Collieries Workers' Union. *Publications*: A book on Hyderabad political reforms in 1946. *Recreation*: Bridge. *Club*: Hyderabad Boat Club. *Address*: 215/6-A, Himayatnagar, Hyderabad-Dn.

RAM CHANDRA, M.A. (Punjab), B.A. (Cantab.), M.B.E. (1919), C.I.E. (1938), Ex-Chairman, Public Service Commission, Punjab (India) *b.* 1st March 1889; *Educ.*: Government College, Lahore; Trinity College, Cambridge. Joined I.C.S., 1913; Assistant Commissioner and Deputy Commissioner in several districts in the Punjab; Colonisation Officer, 1916; Under-Secretary to Punjab Government, 1919; Settlement Officer, 1921; Director of Land Records, 1924; Secretary to Punjab Government, Transferred Departments, 1926; Deputy Secretary, Joint Secretary and Secretary to the Govt. of India, Department of Education, Health and Lands, 1928-36; Finance Secretary to Punjab Govt., 1936-37; Commissioner, 1938-39; Secretary to Punjab Govt., Medical and Local Govt. Departments, 1939-41; Chief Controller of Imports, Govt. of India, 1941-44; Leader of Indian Cotton Delegation to Egypt, 1943; Secy. to Govt. of India, Commerce Dept., 1944-45; Secy. to Govt. of India, Defence Dept., 1945-46; Financial Commissioner, Punjab, 1946-48. *Address*: Forest Hill, Simla E

RAM, Chandrika, M.A., B.L., M.L.A., Parliamentary Secy., Bihar, since Oct. 1952; Advocate, Patna High Court; President, Bihar Provincial Depressed Classes League, Patna. *b.* July 7, 1910, *s.* of Babu Jitan Ram and Shrim Guljari Devi, *m.* Shrim. Prem Kumari Devi (Deceased); Shrim. Uma Kumari, *d.* of Ganesh Prasad, Supdt., I.S.G. Dept., Bihar Govt.; *Educ.*: Bilaspur, U.P. School; Bhore Middle School; Goriakothi High School, 1936-42; Patna Coll., Patna Univ. Joined the national movement, Aug. 1942; Under Secy., Bihar Industry Assoc., Patna, 1944; member, Provincial Harijan Sevak Sangh and Harijan Edn. Board for Bihar, 1944-45; nominated M.L.C. (Bihar), 1946; elected to the Constituent Assembly of India, 1946; elected to Parliament, 1950; member, Bihar Harijan Enquiry Committee & Upliftment Board, Government of India for Scheduled Tribes and other Backward Classes; member, Bihar Enquiry Committee, for Agricultural Labour; Central Wages Board, Government of India; Secy., Bihar P.C.C., since June 1952. *Publications*: *A plan for Harijans*; *Harijans in Bihar*; *The Coming Election*, etc. *Recreations*: Gardening; Volley-ball; Photography. *Addresses*: Village Mahuwa, Bilaspur P.O., Dist. Saran, Bihar; 5/12, 'R' Block, Patna.

RAM, Jagjivan, B.Sc., Communications Minister, Govt. of India, since May 1952. *b.* April 1908; *Educ.*: Benares Hindu Univ.; Calcutta Univ.; B.Sc., 1930. Took active interest in the uplift of Depressed Classes early in life; Provincial Secy., Harijan Sevak Sangh, 1933; Pres., All India Depressed Classes League, 1936-46; nominated Member, Old Legislative Council, Bihar, 1936; Parliamentary Secy., Bihar, 1937-39; Secy., Bihar P.C.C., 1940-44; jailed, 1940; released Oct. 1948 on medical grounds; leader of Indian Delegation to



the I.L.O. Conference, Geneva, June 1947; elected Chairman, Preparatory Asia Regional Conference of the I.L.O. held in New Delhi, Oct.-Nov. 1947; member, Working Ctee., A.I.C.C., 1948-51; Leader, Indian Delegation to 33rd Session of A.L.O. Conference, June 1950 and unanimously elected Chairman of the Conference; Member, Central Parliamentary Board, A.I.C.C., since 1950; Member, Central Election Ctee., 1951; sponsored many bills to better the condition of industrial workers and the following have since been placed on the Statute book: Mica Mines Labour Welfare Fund Act, 1946, Industrial Disputes Act, 1947, Indian Trade Union (Amendment) Act, 1947, Dook Workers (Regulation of Employment) Act, 1947, Employees' State Insurance Act, 1948, Minimum Wages Act, 1948, Labour Plantation Act, 1951; ordered an inquiry into conditions of Agricultural Labour to consider what protective and ameliorative measures should be undertaken to improve their condition; Labour Minister, Aug. 1948-May 1952. Address: 3 Queen Victoria Road, New Delhi.

RAM, Shobha, M.A., LL.B., M.P., Ex-Revenue Minister, United State of Rajasthan, Treasurer, Rajasthan P.C.C. Gave up legal practice, and joined active politics, 1942; observed 17 days' fast in sympathy with Mahatma Gandhi's fast, 1943; Pres. Alwar Raj Prajamandal for 4 years, keenly interested in constructive work of the Congress; recently started Gandhi Vidyalaya at village Harana to impart basic education and to give an impetus to constructive work and Khadi production; member: Rajputana Regional Council; Council of the All-India States Peoples Conference, 1946-47 and 1947-48; Rajputana Provincial Congress Ctee.; A.I.C.C.; Adviser to the Alwar State Govt. and subsequently Chief Minister, United State of Mataya. Address: Alwar, Jaipur.

RAM, Sir Shri, Managing Agent, Jay Engineering Works Ltd., Bengal Potteries Ltd. b. 1884. Director, Central and Local Boards of the Reserve Bank of India, Delhi; Central Electric Power Authority Ltd.; Madan Mohan Lall Shri Ram & Co. Ltd.; Chairman, Kirloskar Oil Engines Ltd.; Delhi Cloth & General Mills Co. Ltd.; Member Textile Advisory Ctee.; member, Trade Mission to Afghanistan, 1934; past President and member, Executive Ctee. of Federation of Indian Chambers of Commerce and Industry; International Chambers of Commerce and All-India Federation of Industrial Employers; Chairman, Reception Committee, Inter-Asian Relations Conference, 1947; Chairman, Industrial Finance Corporation of India; member, Board of Scientific and Industrial Research and Chairman of its Ctee.; Chairman, Governing Bodies and Trusts of the Indraprastha, Ramjas and Hindu Colleges; Food Adviser to the Govt. of India; member, Standing Ctee., Industries Conference. Address: 22, Ourson Road, New Delhi.

RAMACHANDRAN, S. G., B.A. (Madras), Under-Secretary, Ministry of Commerce & Industry, Govt. of India. b. Feb. 24, 1913, s. of late S. S. Gopalakrishnan, Asst. Headmaster, Basel Mission Christian Coll., Calcutt; m. Sow. E. Shanthe, B.A., d. of Rajamanthrapravina A. V. Ramanathan, B.A., Retired Dewan of Bharatpur, one s. and one d.; Educ.: Bishop Heber Coll., Trichinopoly. Auxiliary Secy. to the French Trade Commissioner in India, Burma & Ceylon, 1933-36; Asstt. Gramophone Co. Ltd., Dum Dum, 1936-39; joined Dunlop Rubber Co. Ltd., Calcutta, in 1939; was Asstt. District Manager, Bangalore till 1943; Asstt. Rubber Purchase Officer and ex-Officio Asstt. Controller of Rubber to the Govt. of India, 1943-45; Rubber Purchase Officer, 1945-46; Deputy Director (Co-ordination), Directorate-General of Industries and Supplies, 1946-48; Under-Secretary, Ministry of Industry & Supply, 1948-49; Agent of the Govt. of India

in Malay. Recreations: Football, Volley Ball, Basket Ball, Tennis, etc. Hobbies: Photography; Classical Music. Club: Kuala Lumpur Flying Club. Address: Ministry of Commerce & Industry, Govt. of India, New Delhi.

RAMAMURTI, P., B.Sc., Secretary, Communist Party, Tamilnad Provincial Ctee.; member, Political Bureau, C.P.I. b. Sept. 20, 1909, s. of Panchapakesa Iyer, Vepathur (Tanjore Dt.); Educ.: Banaras Univ. and Presidency Coll., Madras. Courtied Jail in 1930-32 Congress Movement; political worker, ever since; was in the executive of the Tamilnad Congress Socialist Party, 1935-39; member, A.I.C.C. for about 4 years; Working Ctee. member, A.I.T.U.C.; a top ranking Trade Union leader in Madras State; is an orator; went to I.L.O. Conference on behalf of A.I.T.U.C., 1946. Publications: *Kandal Deepavali* (on cloth famine, in Tamilnad); *Open Letter to Kumaramsami Raja*. Address: 3, Anthony Street, Royapettta, Madras.

RAMAN, Bangalore Venkata, F.R.A.S. (1947), M.B.A.S. (1940), Editor, Raman Publications, Bangalore b. Aug. 8, 1913; Educ.: Passed Matric, 1928; underwent training in Astronomy and Astrology under Prof. B. Suryanarain Rao; Central Coll., Bangalore. Started Raman Publications for publishing books on Indian Culture and Astrology, 1936; restarted The Astrological Magazine, 1938; conferred the dignity of Doctor of Science (Honoris Causa) by the Academie et Universite Internationale, 1947; has toured widely all over India; has written a number of books in English on Astrology, Astronomy, etc., some of which have been translated into German and French. Has made several successful predictions in the pages of The Astrological Magazine about national and international events; presided over the Jyotishva Sammelana of the Agamatraya Conference, Bangalore, 1950. Publications: Books in English on Astrology, Astronomy, etc. some of which have been translated into German & French. Recreations: Lawn Tennis and Gardening. Address: "Sri Rajeswari", 115/1, New Extension, Seshadripuram, Bangalore 3.

RAMAN, Sir Chandrasekhara Venkata, Kt., M.A., Hon. Ph.D. (Freiburg), Hon. LL.D. (Glasgow), Hon. D.Sc. (Paris), and Bordeaux F.R.S., Nobel Prize for Physics (1930) Franklin Medalist of the Franklin Institute, Philadelphia; Corresponding member, Soviet Academy of Sciences (1947); Foreign Associate, Paris Academy of Sciences (1949) b. Nov. 7, 1888; m. Lokasundarammal; Educ.: A.V.N. College, Vishakapatnam and Presidency College, Madras. Officer, Indian Finance Dept., 1907-17; British Association Lecturer (Toronto), 1924; Research Associate, California Institute of Technology, 1924; Matteucci Medalist, Rome, 1929; Hughes Medalist of the Royal Society (1930); Hon. Fellow, Zurich Phys. Soc., Royal Hungarian Acad., Royal Irish Acad., Chinese Phys. Soc., Royal Phil. Soc., Glasgow, Optical Society of America, Franklin Institute, Societe Philomathique (Paris); President, Indian Academy of Sciences, 1934; National Research Professor of Physics, 1949. Publications: *Molecular Diffraction of Light*; *Music Instruments* and numerous scientific papers in Indian, British and American Journals. Address: Director, Raman Research Institute, Hobbal, Bangalore.



RAMAN, Radha, M.P., Ex-President, Delhi Pradesh Congress Ctee.; active in Education, Politics. b. August 4, 1904, s. of Joti Prasad, Retired Station Master; m. Shrimati Kaushalya Devi; one s., Ajai Kumar; Educ.: Jamia and Commercial College. Founder, Nation's League of Pen Friends and Young Folks Brotherhood; Founder & Editor of the Magazines, now defunct, *Children's News* & *C. N. Fortnightly*; has been an active participant in all progressive movements, national and international. Women's movements. Boy Scouts, Theosophical Society, Rotary Club, Foreign Relations Society, Indian Council of World Affairs, All-India Children's Association, Youth League and Congress. Publications: *Children's News* and *Pen Friendship*; *Udgar* (Hindi); writes books and pamphlets. Recreations: Badminton and Volley Ball. Clubs: National Club; Constitution Club; Rotary Club. Address: Nai Sarak Delhi.

RAMANLAL, Seth Natvarlal, Mill Agent. b. March 17, 1914, at Ahmedabad, s. of Seth Ramanlal Lalubhai; m. Smt. Indumati; two s.; Educ.: Ahmedabad. Commenced business career after completing studies; took training under his father Seth Ramanlal Lalubhai in the Vikram Mills Ltd. Ahmedabad; travelled extensively in India, Ceylon, China, Singapore, Japan, etc. to acquire experience of textile industry; Dir. of several mills and joint stock companies; member, Advisory Ctee., Hindustan Mercantile Bank Ltd. Clubs: Oriental Club, Ahmedabad; Cricket Club of Ahmedabad, Ahmedabad. Address: Near Parnal Society, Ellis Bridge, Ahmedabad.



RAMANUJACHARI, R., M.A. (Madras), Professor & Head of the Dept. of Philosophy, Annamalai Univ., since 1932. b. Dec. 6, 1902, s. of N. Rangachari and Ranganyaki; m. Janaki; four s. and three d.; Educ.: Presidency Coll., Madras. Chief Lecturer in Philosophy, Sri Minakshi Coll., Chidambaram, 1924-29; joined the staff of the Annamalai Univ., 1929. Publications: *Siddhantaya of Yamaacharya*, with English translation; *Nitimala of Narayanaarya* with translation; *Educational Psychology* (Tamil); *Bhavanopanishad*, etc. Recreations: Bridge. Club: Staff Club. Address: Annamalai Nagar P.O.

RAMANUJAM, K. R., B.E. (Civil), Kx General Manager, Southern Railway, Madras. b. May 15, 1898, s. of K. R. Ramaswami Aiyangar, I.E.S. (Retd.); m. Smt. R. Pankajam; one s. and two d.; Educ.: Presidency & Engineering Colleges, Madras. Joined the old M. & S. M. Rly., 1922; after working at several stations as Assistant & District Engineer, was appointed Deputy Chief Engineer, 1947; General Manager, S.I. Rly., 1949-51. Recreations: Tennis. Club: Cosmopolitan Club, Madras. Address: C/o Southern Railway, Madras.

RAMESWAMI, Perier, E. V., Life President, Dravida-Kashagam. b. 1878; m. Miss Kanthimathi Ammal alias Maniyamayar, Editor, 'Viduthalai', July 9, 1949. Ex-Chairman, Municipal Council, Brode; ex-President, Tamil Nad Congress Ctee.; successfully led Vaikkam Satyagraha as a result of which untouchability and unapproachability came to be abolished in Travancore State; jailed about 13 times for political and social reasons; left the Congress, 1925; fights for eradication of all social evils in general through his Self-Respect Movement and his Tamil papers *Kudi Arasu* and *Viduthalai* and *Revolt* (English); toured Malaya in 1929; toured the Continent, England and Russia in 1931 particularly to study Communism; started Rational Books Publishing

Co. and has published more than 100 books of criticism on God, Religion and Superstition including 10 volumes under the title 'Vulgarity in Ramayana'; founded Dravidian Federation and its ally Black Shirt Volunteer Corps. Address : Erode, Madras.

RAMASWAMI AYYAR, Sir C. P., K.C.S.I. (1941), K.C.I.E. (1925), C.I.E. (1923), Vice-Chancellor, Annamalai Univ., since 1953; ex-Dewan of Travancore, Fellow of Madras University. *b.*



Nov. 12, 1879, only s. of late C. R. Pattabhi Ramayyar, Vakil, High Court and afterwards Judge, Madras City Court; *m.* Sitammal, *g. d.* of C. V. R. Sastri, the first Indian Judge in Madras; three s.; *Educ.*: Wesleyan High School, Presidency College, and Law College, Madras. Joined the Madras Bar, 1903, and led the original side soon afterwards; enrolled specially as an Advocate, 1923; Fellow of University, 1912; member of Madras Corporation, 1911, served on many committees; member, Indian National Congress and was its All-India Secretary, 1917-18; Madras Delegate to Delhi War Conference; Trustee, Pachayappa's College Trusts, 1914-19; gave evidence before the Southborough Commission on Indian Reforms and the Meeson Committee on Finance, also before Mr. Montague and Lord Chelmsford; gave evidence in London before the Joint Parliamentary Committee on Indian Reforms, 1919; University Member of Legislative Council, Madras, 1919; member of Committee to frame Rules under Reforms Act, 1919, member of Legislative Council under Reformed Constitution for Madras, 1920; Advocate-General for the Presidency, 1920; one of the Indian representatives at the Assembly of the League of Nations at Geneva, 1926 and 1927; Rapporteur to the League of Nations Committee on Public Health, 1927; Law Member of Madras Government, 1923-28; Vice-President, Executive Council, 1924; resigned membership of Madras Government, March 1928 and rejoined the Bar, April 1928; delivered the Sri Krishna Rajendra University Lecture at Mysore, 1928; represented the State of Cochin before the Butler Inquiry Committee, 1928; member of the Sub-Committee to draft constitution for uniting British India and the Indian States in a Federation, 1930; Delegate to the Indian Round Table Conference and member of the Federal Structure Committee of the R. T. C., 1931; Acting Law Member, Government of India, 1931; Legal and Constitutional Adviser to the Government of Travancore; member, Consultative Committee of the R.T.C.; delivered the Convocation Address of the Delhi University, 1932; Tagore Law Lecturer, Calcutta University, 1932; Acting Commerce Member of the Government of India, 1932; Chairman of the Committee appointed by the Chamber of Princes to consider the White Paper, 1933; member, Joint Select Committee of Parliament on Indian Reforms, 1933; Delegate to World Economic Conference, 1933; drafted a new constitution for Kashmir, 1934; member, Government of India Committee on Secretariat Procedure, 1935; Dewan of Travancore, 1936-47; conferred the title of "Sachivothama" by His Highness the Maharaja of Travancore; was instrumental in implementing the Temple Entry Proclamation of His Highness, 1936; Chief Commissioner, Travancore Boy Scouts Association, 1937; Vice-Chancellor, Travancore University, 1937; was elected a Fellow of the Royal Society of Arts, London, 1937; was conferred the Degree of Doctor of Laws by the Travancore University, 1939; delivered the convocation address of the Osmania University, Hyderabad, 1942; appointed Member for Information

in the Governor-General's Executive Council, Aug. 3, 1942, resigned on Aug. 20, 1942; re-appointed as Dewan of Travancore, Aug. 28, 1942; Chairman, Indian Rubber Production Board, Nov. 1942; Chairman, Travancore Steam Navigation Co., 1944; Member of the Govt. of India, Post-war Reconstruction Cttee. and of the Central Board of Education, 1944; President, 1st South India Brahmana Conference, 1946; represented the Indian States before the British Parliamentary Delegation and the Cabinet Mission, 1946; member, Negotiating Committee on behalf of the States under the Cabinet Scheme; was invested with the rank and title of Lieutenant-General of the Travancore State Forces by His Highness; relinquished Dewanship of Travancore, August 1947; visited the U.S.A. on a lecturing tour and later travelled in South America, Australia & New Zealand in 1948. Delegate, East & West Philosophy Conference, Honolulu, 1949 (May & June); India, America Conference, Delhi, 1949; Pres., Nilgiri Rotary Club, 1948; President, Nilgiri Rotary Club, 1949; delegate to the International P.E.N. Congress at Edinburgh, 1950; visited Industrial and Univ. Centres in Great Britain under the auspices of the British Council, Aug.-Oct. 1950 and thereafter toured Europe; Indian delegate to the P. E. N. Congress at Lausanne, June 1951; at present Professor, American Academy of Asian Studies in California; lectured in Yale, Stanford and other Universities in U.S.A.; elected Rotary Governor, 1952; member, Press Commission, 1952; Vice-Chancellor, Annamalai Univ., 1953; attended the Commonwealth Universities Conference at Durham and Cambridge; delivered Convocation addresses of the universities of Poona, Annamalai Nagar and Agra. *Publications*: Contributions to various periodicals on political, philosophical, financial and literary topics; a selection of his speeches and writings in two volumes; a volume of essays, broadcasts and other addresses entitled *Pen-Portraits* published in 1948. A second volume of essays on Religious & Cultural topics published in 1949; third volume under the title "Mysticism" and other essays published in 1950; Published *Cultural Freedom* and other Essays, 1950. *Recreations*: Lawn tennis, riding and walking. *Clubs*: National Liberal, Royal Automobile, Madras Cosmopolitan, Ootacamund Club. *Addresses*: The Grove, Teynampet, Madras; 8, Delsile, Ootacamund.

RAMIAH, Krishnasamy, L.Ag., M.Sc., Dip Agri. (Cantab.), M.B.E. (1938), Rice Consultant in East and South-East Asia of the Food and Agricultural Organisation, since Sept. 1951. *b.* May 15, 1892; *m.* Janaki Ammal; *Educ.*: Coimbatore, Madras, Cambridge. Has been connected with Rice Research, Dept. of Agriculture, Madras, 1914-37; the last seven years as Paddy Specialist to the Govt. of Madras; Geneticist and Botanist in charge of research in Cotton, Institute of Plant Industry, Indore, under the Indian Central Cotton Committee, 1937-46; is a successful plant breeder in India, has toured England and Europe several times and U.S.A. once, also rice countries in S. & S.-E. Asia; has served on Technical Mission sent by F.A.O. to Siam; fellow of all the three Academies of Sciences in India; Dir., Central Rice Research Institute, 1946-51; under F.A.O. as Rice Breeding Consultant for S. & S.-E. Asia, since Oct. 27, 1951. *Publications*: has published over 70 papers, mainly contributions to the genetics and agronomy of rice and cotton. *Address*: F.A.O., Bangkok.

RAMPUR, Maj.-Gen. His Highness Mirza Mahkib-ud-Daula, Mirza-ul-Mulk, Amir-ul-Umara, Nawab Os., Sir Syed Raza Ali Khan Bahadur, Mirza-ul-Jung, G.C.I.E. (1944), K.C.S.I. (1950), D. Litt., LL.D., the

Nawab of, *b.* November 17, 1906; *s.* Her Highness Nawab Rafiqat Zaman Begum, *d.* of the late Sahibzada Sir Abdus Samad Khan, Kt., C.I.E., 1921; three s. and six d.; *Heir-Apparent*, Capt. Nawabzada Syed Murtaza Ali Khan Bahadur, M.B.E.; *Educ.*: Rajkumar College, Rajkot. Ascended the *gadi*, June 20, 1930. Hon. Col., 9/11th Jat Regiment, and Hodson's Horse; Pres., Board of Trustees, Shia College, Lucknow; member, East India Assoc. and Marlborough Club, London, the Royal Automobile and the Calcutta Club (India); is entitled to a permanent salute of 15 guns; has been responsible for great progress in commerce, industry in former State; is a Patron of the Delhi Flying Club, P.G.D., Grand Lodge of Scotland, P. Depute G. Master of U.S.F.I.P., P.G.W. of the Grand Lodge of England, Asst. D. G. Master, District Grand Lodge of Bengal; P. G. Scribe 'N', Supreme Grand Chapter of England, D. G. 2nd Principal, Northern India, D. G. 3rd Principal, Bengal; Hon. Col. in 1st King George's Own Gurkha Rifles. *Address*: Rampur (U.P.).

RAMPURIA, Ratanlal, Landlord, *b.* June 20, 1926, s. of late Seth Shobhagmalji and *g. d.* of Seth Hiralalji Rampuria. Is a partner of Messrs. Hazareemulji Hiralal, Calcutta, managing agents of the Rampuria Cotton Mills Ltd.; director of many important industrial concerns; Director: Bank of Bikaner Ltd.; The Great India Trading Co. Ltd.; Rampuria Bros. Ltd.; Rampuria Cotton Mills Ltd.; owns considerable landed property at Calcutta and Bikaner; is simple in habits and is very sociable; takes keen interest in educational affairs; is a prominent figure in the social, economic and political life of Bikaner, Patron, Rajasthan Chamber of Commerce and Life Member, Asiatic Society, Bengal; member, Central Cttee. of the Bikaner State Chamber of Commerce. *Address*: Rampuria Mansions, Bikaner.



RANAWAT, Mr. Justice Jawan Singh, M.A. (Economics), LL.B. (Allahabad Univ.), Judge, Rajasthan High Court, since 1950. *b.* Dec. 4, 1902, s. of Kunwar Randheer Singh; *m.* Smt. Chagan Kumari; four s. and three d.; *Educ.*: Univ. of Allahabad. *City Magistrate*, Udaipur State, 1926-27; *City Munsif*, 1927; District and Sessions Judge, Bharatpur and Bhiwara upto 1932. Judge, Mahad Raj Sabha, Udaipur, 1936-38; Puisne Judge, Chief Court, Udaipur, 1938-40; Puisne Judge, High Court, Udaipur, 1940-47; Chief Justice, Udaipur High Court, 1947-48; Puisne Judge, High Court, United State of Rajasthan, 1948. *Address*: Judge, Rajasthan High Court Bench, Jaipur.

RANGE, Prof. N. G., M.P., Principal, Indian Peasants Institute, Nidubrolu, inaugurated by Mahatma Gandhi in 1933. *b.* Nov. 7, 1900; *Educ.*: Oxford. Chief Professor of Economics and Political Science, Pachayappa's College, Madras, 1927-30; Member, Congress Working Cttee., 1947-51; Pres., All India Kisan Sammelan, Rural People's Federation; Ex-Pres., Andhra Provincial Congress Cttee.; one of the founders of International Federation of Agricultural Producers and member of its Executive (H.Q., Washington) and Colonial People's Freedom Front (H.Q., London) and African, Asiatic and European People's Congress (Paris); Founder, Indian Peasant Movement; member, Congress Economic Policy Cttee., Agrarian Reforms Cttee., National Labour Cttee. and Hindustan Masdoor Sevak Sangh; led the Indian Delegations to the London (1946), the Hague (1947), and Guelph (Canada, 1949) Conferences of International Federation of Agricultural Producers; toured extensively in Europe and

America spreading Gandhian philosophy and ideals; gave a Food Plan to Govt. of India on the request of Pandit Jawaharlal Nehru, to achieve self-sufficiency in food, 1949; resigned from Congress, April 1951; has formed new Party, the Bharat Krishikar Lok Party. *Publications*: 14 books including *Economic Organisation of Indian Villages*, *Colonial and Coloured Peoples*, *World Role of National Revolution*, *Outlines of National Revolution*, *Peasants and Communists and Revolutionary Peasant*. *Address*: Nidubrolu (Post).

RANGANATHAN, Condramaniam Raghunatha, M.A. (Madras), M.A. (Oxon.), I.F.S., President, Forest Research Institute and Colls., Dehra-Dun. *b.* Aug. 15, 1899; *Educ.*: Madras and Oxford Univs. Served in various capacities in the Madras Forest Dept. and in the Forest Research Institute and Colls., Dehra Dun. *Address*: 9, New Forest, Dehra Dun.

RANGANATHAN, Rao Sahab Shiyali Ramaswami, M.A., D.Litt., F.L.A., Professor of Library Science, Delhi University, since 1947. *b.* July 9, 1892; *m.* Sarada; *Pres.*, Indian Library Assoc.; *Secy.*, Madras Library Assoc.; Member, International Library Ctee., United Nations. *Publications*: *Five Laws of Library Science*, 1931; *Theory of Library Catalogue*, 1938; *Reference Service and Bibliography*, 1940; *Bibliographies of Reference Books and Bibliographies*, 1941; *School and College Library*, 1943; *Library Classification: Fundamentals and Procedure*, 1944; *Dictionary Catalogue Code*, 1952; *Classified Catalogue Code*, 1952; *Elements of Library Classification*, 1946; *Organisation of Libraries*, 1946; *Preface to Library Science*, 1948; *Education for Leisure*, 1948; *Rural Adult Education*, 1949; *Library Development Plan for India*, 1950; *Library Catalogue Fundamentals*, 1950; *Library Tour, Europe and America*, 1950; *Colon Classification*, 1950; *Classification and Communication*, 1951; *Library Book Section*, 1952; *Social Bibliography, Social Education Literature and other books*. *Address*: Delhi 8.

RANGASWAMI, Prof. Dr. S., M.A., Ph.D. (Andhra), Dr. Phil. (Basle), University Professor and Head of the Dept. of Pharmacy. *b.* June 15, 1912; *Educ.*: Presidency Coll., Madras; Andhra Univ., Waltair; Basle Univ. (Switzerland). Fellow of the Royal Institute of Chemistry London; Fellow of the Royal Society of Arts, London; member, the Swiss Chemical Society; Fellow of the Indian Academy of Sciences; member, Academic Council and Senate of the Andhra Univ. Member, Pharmacy Council of India. *Publications*: Author of *Chemistry of Vitamins & Hormones* and about 60 scientific papers in Indian and foreign journals. *Address*: Professor, Andhra University, Waltair.

RAO, B. Ramakrishna, B.A., LL.B., Chief Minister-in-charge of General Administration, and Tenancy, Hyderabad. *b.* Padakal village, Mahabubnagar Dist.; *Educ.*:



Graduated from Ferguson Coll., Poona, 1921; took his LL.B., 1923. Set up practice at the Hyderabad Bar, 1923; was one of the Secretaries of the Hyderabad Social Conference; prepared a scheme for the expansion of the State Legislative Council as member, Hyderabad Reforms Assoc.; one of the founder members: Andhra Central Ctee.; Hyderabad Political Conference, Akola; also Executive member, State Congress, 1938; *Secy.*: People's Convention, 1937; Hyderabad Subjects League; was *Pres.*, Andhra Congress for 3 years; imprisoned in connection with the 'Quit India' movement; member, Working Ctee., State Congress; Minister for Revenue and Education, Hyderabad, 1950-52; elected to the State Assembly from Shadnagar Constituency during the general elections. *Address*: 'Dikusha', Somajiduda, Hyderabad.

RAO, B. Shiva, M.A. (Allahabad) in English Literature, M.P. from Madras; *b.* Feb. 26, 1891, *s.* of Dr. B. Raghavendra Rao; *m.* Kitty Verstaendig; *Educ.*: Madras and Allahabad. Was on the Indian Workers' delegation, I.L.O. Conference, Geneva, 1929-30; a delegate to the Round Table Conference in London, 1930-31; A member of the Indian delegation to the U. N. General Assembly in 1947, '48, '49, '50; was member of the Indian Constituent Assembly. *Publications*: *The Industrial Worker in India* (Allen and Unwin, London, 1939). *Recreation*: Tennis. *Club*: Constitution Club, New Delhi. *Address*: 4, Hardinge Avenue, New Delhi.

RAO, Chandra Rajeswar, I Sc., Public Worker. *b.* June 6, 1914 at Mangalapuram, Kistna Dt., Andhra. *m.* Smt. Chandra Savitri Devi, one *s.*; *Educ.*: Hindu High School, Masulipatam; Banaras Hindu Univ.; passed I Sc. and studied up to B Sc.; joined Vizagapatam Medical Coll., 1936; discontinued, 1937. Joined the Communist Party, 1931 at Banaras, worked in Andhra in youth and peasant movements from 1936; member of Central Ctee., C.P.I., since 1948. General Secy., C.P. of India, 1950-51. *Recreations*: Sports, poultry keeping and animal husbandry. *Address*: Andhra Communist Committee, Vijayawada 2.

RAO, Gurty Venket, M.A., LL.B., Professor of History and Head of the Dept. of History and Politics, Andhra University. *b.* Jan. 1896, *s.* of Gurty Subba Rao and Srim. Sitamma; *m.* Srim. Subba Lakshmi; two *s.* and four *d.*; *Educ.*: Ewing Christian Coll., Allahabad (U.P.); Allahabad Univ. Research Scholar and Lecturer, Allahabad Univ., 1919-25, 1929-31; Lecturer, Reader and then Professor, Andhra Univ. since 1931; practised at the Bar, Allahabad Dist. Court, 1925-29. *Publications*: Articles on Historical Topics in History Journals and Proceedings of the Indian History Congress. *Recreation*: Chess. *Club*: Andhra University Faculty Club. *Address*: Official Colony, Maharajpeta P.O., Vishakhapatnam.

RAO, Katre Seshagiri, M.A. (Hons.) (Madras), Controller of Patents & Designs. *b.* Oct. 21, 1898, *s.* of Katre Mangesh Rao, late Asst. Engineer, P.W.D. Bombay; *m.* Smt. Ganga Bai; one *s.* and one *d.*; *Educ.*: Govt. Coll., Mangalore & Presidency Coll., Madras. Research Scholar of the Indian Assoc. for Cultivation of Science, 1920-21; Univ. of Madras Research Scholar under Sir C. V. Raman, Palli Professor of Physics, Calcutta Univ., 1921-23; joined Patent Office, Govt. of India, 1923. *Publications*: Research papers on optics in *Philosophical Magazine*, London. *Address*: 214, Lower Circular Road, Calcutta 17.

RAO, L. Rama, M.A., F.G.S., F.A.Sc., F.N.I. Retired Professor and Head of the Department of Geology, Univ. of Mysore, Principal, Central College, Bangalore. *b.* April 1896, *s.* of L. Raghavendra Rao; *m.* Mrs. L. Seetha Bai; one *s.* and three *d.*; *Educ.*: Central Coll., Bangalore. On the staff of the Geology Dept., Central Coll., Bangalore; Professor, 1934. *Publications*: About 50 research papers on the geology of the Cretaceous & Eocene rocks of India. *Recreations*: Tennis; Billiards. *Address*: "Shantiniketan", Basavangudi P.O., Bangalore City.

RAO, Mosalikanti Thirumala, ex-Deputy Minister for Food and Agriculture, Govt. of India. *b.* Jan. 29, 1901, *s.* of Bayanna Pantulu and Srim. Ramasamma of Kakinada; *m.* Srim. Narasubayamma; one *s.* and two *d.*; *Educ.*: Pithapur Raja's Coll., Kakinada. Has been an active public worker since 1921; is a Congressman; first elected to the Central Legislative Assembly, 1937; elected to the Council of State, 1945; Member, Constituent Assembly; went to England and the Continent as a Parliamentary delegate to the Commonwealth Conference, Oct. 1948; interested in journalism;

Member, Standing Ctees. of Parliament for External Affairs and Railways; Chairman, Grain Procurement Enquiry Ctee. of the Central Govt.; takes active interest in the work of the Legislature; Member, Literary Assocn., Kakinada; Dy. Min., Food and Agri. Govt. of India, 1950-52. *Club*: Constitution Club, New Delhi. *Address*: Gandhinagar, Kakinada.

RAO, Pandurangi Kodanda, M.A. (Hons.) (Madras), Senior member, Servants of India Society, Madras Branch. *b.* Dec. 25, 1889; *m.* Miss Mary Louise Campbell, Poland, Ohio, U.S.A.; *Educ.*: Presidency Coll., Madras. Lecturer in Botany, Central Coll., Bangalore, 1915-21; Private Sec. to Rt. Hon. V. S. Srinivasa Sastri in India, England and South Africa, 1922-32; Editor, *Servant of India*, Poona; Carnegie Scholar, Yale Univ., U.S.A., 1934-35; World Study Tour, 1934-37; Seminar, Conference on Education in the Pacific, Honolulu, 1936; Senate, Academic Council and Executive Council, Nagpur Univ., 1939-42 and 1948; Govt. of India Deputation to Malaya, 1946; Adviser to India's Delegate to the Permanent Migration Ctee. of the I.L.O., Montreal, Canada, 1946; *Secy.*: Society for the Elimination of Beggary, Nagpur, M.P., 1940-48; Vice-President, Indian Council of World Affairs, New Delhi; *Secy.*: Bangalore Branch since 1950; Indian Conference of Social Work, Bangalore, member, Govt. of India's Deck Passenger Ctee., 1950; member, Prohibition Enquiry Ctee., Govt. of Madhya Pradesh, 1951; Member, Mysore Educational Reforms Ctee., 1952-53. *Publications*: *Malabar Tenancy Problem: East Versus West*; *Denial of Contrast*; *Culture Conflicts*; *Cause and Cure*; *Technical Education and Industrial Development in America: Some Aspects*. *Address*: Servants of India Society, Basavangudi, Bangalore 4.

RAO, Raja, Writer. *b.* Nov. 21, 1909, *s.* of Professor H. V. Krishnaswamy, Hyderabad, Deccan. *m.* Madame Camille Mouly, Professor of French, Girls' Coll., Menton, France; *Educ.*: Madras-sai-Aliya, Hyderabad (Dn.); Nizam Coll., Hyderabad (Dn.); Univ. of Montpellier, and the Sorbonne, Paris. *Publications*: *Kanthapura*; *Cow of the Barricades* (Oxford Univ. Press). *Address*: 138, Walkeshwar Road, Malabar Hill, Bombay.

RAO, Raja J. Rameshwar, M.A. (Hons.) (Madras), Raja of Wanaparthi; Commissioner for the Govt. of India in British West Africa. *b.* Feb. 6, 1923, *s.* of Raja Krishna Deo Rao and Rani Saraladevi. *Educ.*: Jagirdars' Coll. Hyderabad Dn.; Nizam Coll., Hyderabad Dn.; Madras Univ. Administered the Wanaparthi Samasthan, 1944-49; brought in Village Panchayat, democracy and land reforms in Wanaparthi State under Gandhiji's advice; enacted a new constitution based on decentralised democracy as approved by Gandhiji; State merged in 1949; joined diplomatic service, 1950; First Secy., Indian Commission at Nairobi, East Africa, Dec. 1950 to Aug. 1952. *Recreations*: Cricket, Tennis, Hunting. *Club*: Secunderabad Club. *Address*: Ramsagar Palace, Wanaparthi, Hyderabad State; Accra, Gold Coast.

RAO, R. Vyas, Industrial Geologist; Founder and Senior Partner, Mysore Industrial Development Co. *b.* Oct. 1881; *Educ.*: Graduated in Geology from the Central Coll., Bangalore 1904. Prospector, Peninsular Minerals Co. Ltd., Bangalore; discovered the Sinduvalli chrome ore deposit near Mysore and also the manganese ores of Chicka-nayakanahalli band at Sinduvalli, Karekurli, etc.; joined Tata & Sons, 1906; proved the value of Gurusalmali and other iron ore deposits of Mayurbhanj; also of Joda ores in Keonjhar and Bastar iron ores; prospected



and proved the value of Bhelatand group of coal properties in Jharia; proved the magnetite deposits of Doodkanya near Mysore and the coal of Kurasia and Chirmiri in Madhya Pradesh (1906-1916); Industrial Geologist to the Govt of Mysore (1917-20); worked out a scheme for the manufacture of porcelain insulators; as Consulting Geologist to Messrs. Dalchand Bahadur Singh (1920-35), proved the Jhagrakhand coal properties and the coking coals of Sardhi and Katkora (Jhillmili Field) in Madhya Pradesh; discovered and proved the valuable Bauxite deposits, west Belgaum and Kolhapur; founded the Mysore Industrial Development Co., 1937; floated the Mysore Stoneware Pipes and Pottery Ltd. Consulting Geologist for the Jhagrakhand Collieries, Ltd. and General Consultant. Address: "Shantikutera", No 122, Central Bank Road, Channaraypet, Bangalore 2

RAO, T. V. Ramakrishna, M.A. (Madras), Ag. Agent of the Govt. of India in Malaya, since Sept 1951. b. May 17, 1916, at Masulipatnam, s. of T. S. Prakasa Rao of Vijayavada, Krishna District; m. Sow. Satyavati Devi, d. of M. Gopalaswamy of Vijayavada; two s. and two d.; Educ.: Hindu High School, Vijayavada; Pachalyappa's Coll., Madras. Asstt. Agent, Govt. of India in Malaya, 1947-51. Recreations: Football, Volley ball, Basket ball, Swimming. Hobby: Photography. Address: Ag. Agent of the Government of India in Malaya, Post Box No. 59, Kuala Lumpur.

RAO, Vijayendra Kasturi Ranga Varadaraja, M.A. (Bombay), B.A., Ph.D. (Cambridge), Univ. Professor and Director, Delhi School of Economics, Univ. of Delhi since 1942. b. July 7, 1908, s. of K. Kasturiranga-char; m. Pramila, d. of D. R. Balaji Row; one s. and two d.; Educ.: Wilson Coll., Bombay; Gonville and Caius Coll., Cambridge. Principal and Professor of Economics, L. D. Arts Coll., Ahmedabad (1937-42); Director of Statistics and subsequently Planning Advisor, Food Dept., Govt. of India (1944-46); Food Advisor to Indian Embassy, Washington (1946-47); Chairman, United Nations Sub-Commission on Economic Development (1947-1948, 1949, 1950); Corresponding Member, Institute de Science Economique Appliquee, Paris, since 1948; member, Governing Council, International Assoc. for Research in Income and Wealth (1947-51); Correspondent, Royal Economic Society in India (1950-55); Pres., Indian Economic Association (1949). Publications: *Taxation of Income in India: An Essay on India's National Income*, 1925-29; *The National Income of British India*, 1931-32; *War and Indian Economy: Post-war Rupee*. Recreation: Walking. Club: University Club, Delhi. Address: 10, Cavalry Lines, Delhi 8.

RAO, Vyakarana Narahari, M.A. (Honours), C.S.I. (1946), C.I.E. (1937), Comptroller and Auditor-General of India. b. July, 1893, s. of Vyakarana Narasimhasastry of Mysore; m. d. of Shamasastri of Madhugiri; two s.; Educ.: Govt. High School, Tumkur; Central Coll., Bangalore; Presidency Coll., Madras; awarded the Arni Gold Medal for Physics by the Madras Univ., 1913 and 1915. Entered I. A. & A. S., 1917; Asstt. A. G. and Dy. A. G. (Posts & Telegraphs), 1917-23; Officer on Special Duty and Under-Secy., Finance Dept., Madras Govt., 1923-27; Asstt. Secy. and Under-Secy., Govt. of India, Finance Dept., 1927-29; in the Govt. of India Foreign and Political Dept., 1929-37 in various capacities; Chairman, Special Cttee. for investigation of financial relations between Indian States and British India culminating in the constitutional changes under the Govt. of India Act, 1935, 1929-37; Crown Finance Officer and Dy. and later Jt. Secy., Political Dept., 1937-44; Addl. Secy., Govt. of India, Finance Dept., 1944-45; Secy., 1946-48; leader,

Indian Sterling Balances Delegation, 1947-1948; Official Adviser to the Sterling Balances Delegation, May and June 1948. Publications: A number of official publications for the Madras Govt., 1924-27. Recreations: Tennis and Golf. Clubs: Delhi Gymkhana Club; East India Association, London; Overseas League, London; Roshanara Club, Delhi; East Punjab Club, Simla. Address: "Armada", Simla.

REKHWALA, Sardar Gyan Singh, Ex-Chief Minister, the Patiala and East Punjab States Union. b. Dec. 1901; Educ.: Mahendra College, Patiala. Started his career as a First Class Magistrate in Patiala, 1928; was attached to the Foreign Office and worked with K. M. Panikkar; had secretarial training, appointed Revenue Commissioner; became Sessions Judge and then District Magistrate; has been associated with a number of social and educational activities in Patiala and Punjab; was Pres., Shri Guru Singh Sabha, Patiala for nine years; founder, Rotary Club, Patiala; acted on a number of Committees appointed from time to time by the State administration, was promoted as Revenue Commissioner, 1942; later appointed as Judge, High Court of Judicature, Patiala; Revenue Minister, 1947; nominated by His Highness as member of the Constituent Assembly; elected member, PPSU Legislative Assembly and Leader of National Front. Address: Patiala.

RASUL, Begum K. Ahsan, Member, Council of States. b. April 2, 1909, d. of late Nawab Sir Zulfiqar Ali Khan; m. Nawab Syed Aliaz Rasul of Sandila (U.P.), M.L.A.; two s. and two d.; Educ.: Queen Mary's Coll., Lahore. Convent of Jesus and Mary Simla. Social work and politics; member, U.P. Leg. Council, 1937-52; Deputy Pres., Council, 1937-41; member, Constituent Assembly, 1946-50; is member of various educational, public health and other institutions; knows Persian and French. Clubs: Sports Club of India, Delhi Gymkhana Club; Mohammad Bagh Club, Lucknow; Dilkusha Club, Lucknow; Boat House Club, Naini Tal. Address: Mall Avenue, Lucknow.

RAU, Sir Benegal Rama, Kt. (1939), C.I.E. (1930), M.A. (Cantab.), Governor, Reserve Bank of India, since July 1949. b. Jan. 10, 1889; m. Miss Dhanvanthi Handoo; Educ.: Presidency Coll., Madras, and King's Coll., Cambridge. Entered I.C.S., Nov. 1913; Under-Secy. and Dy. Secy., Govt. of Madras, 1919-24; Secy., Indian Taxation Cttee., 1925-26; Dy. Secy., Finance Dept., Govt. of India, 1926-28; Financial Adviser, Simon Commission, 1928-30; Jt. Secy., Industries Dept., Govt. of India, 1930-31; Secy., Round Table Conferences and Jt. Select Cttee. of Parliament on India Bill, 1931-34; Deputy High Commissioner for India in London, 1934-38; Agent-General and High Commissioner for India in the Union of South Africa, 1938-41; Chairman, Bombay Port Trust, 1941-46; Indian Ambassador in Tokyo, 1947-48; Leader of Indian Delegation, Commonwealth Conference at Canberra, 1947; Indian Ambassador in United States, 1948-49. Address: Reserve Bank of India, Bombay.

RAU, Karkal Madhava, B.E., D.F.H. (Lond.), A.M.I.E.E., M.I.E.E., J.P. (Greater Bombay), Ex-Chairman, Staff Seniority Cttee., Headquarters Office, Northern Railway; Engineering Consultant. b. June 8, 1897. Educ.: Madras, Univ. and London. Electrical Engineer, Chief Electrical Engineer, Central Railway; Controller of Stores, Central Railway. Publications: Technical Papers. Recreation: Hiking. Clubs: Willingdon Sports Club; Rotary Club. Address: 19, Bhau Daji Road, Matunga (Bombay 19).

RAU, Pandyala Satyanarayana, B.A. (Mad.), M.A. (Oxon.), I.C.S., Chairman, Damodar Valley Corporation, since April 1954. b. July 31, 1905; m. the late Rajeshwari Rau; three d., Mrs. Tara Venugopal, Mrs. Leila Vidyasagar and Mrs. Vimla Nagra Rao; Educ.: Madras Univ. and New Coll., Oxford. Entered I.C.S., 1918 and served as Asstt. Commr., Madhya Pradesh and became successfully Dy. Commr., Settlement Officer, Settlement Commr., Commr. of Excise and Inspector-General of Registration, Financial Secy.; Director-General of Food, Govt. of India; Commissioner, Nagpur Division, 1943-45; Chairman, Provincial Industries Cttee., 1945-46; Financial Commr., 1946. Chief Secy. and Adviser to H.E. the Governor of M.P., 1947-48; Regional Commr. and Adviser to the Rajpramukh of Rajasthan and Dewan of Jodhpur, 1948-49; Regional Commissioner and Adviser to the Rajpramukh and to the Government of Madhya Bharat, 1949-52; Chairman, Damodar Valley Corporation, 1952-53; Adviser to the Planning Commission on Programme Administration, Adviser, PEPSU, 1953-54. Clubs: Gondwana Club, Nagpur; Jiwaji Club, Gwalior; Yeshwant Club, Indore. Address: Calcutta

RAUF, His Excellency Mohamed Abdul, B.A. (Hons. in Jurisprudence), 1924, B.C.L. (Oxon.), 1925, called to the Bar, Middle Temple, Jan. 1924, LL.D. (Dublin), Ambassador for India in Japan. b. 15th November, 1901. m. Maksood Jahan Begum, d. of Syed Mohamed Mir of Delhi & Meerut; Educ.: St. Paul's High School, Bangalore, and Worcester College, Oxford. Practised at the Bar in the Rangoon High Court until end of 1941; practised at the Bar at Allahabad High Court, 1942 to 1945; appointed Judicial member of Income-tax Appellate Tribunal; Representative of the Govt. of India in Burma, Nov. 1946-Aug. 15, 1947; Indian High Commissioner in Burma, Aug. 1947-Jan. 1948; Ambassador in Burma, 1948-52. Address: Tokyo.

RAY, Nihar-Ranjan, M.A. (Cal.), D. Litt. & Phil (Liden), F.L.A. (Great Britain), Baglavari Professor of Indian Art and Culture, Calcutta University. b. Jan. 14, 1904; Educ.: A. M. College, Mymensingh; M. C. College, Sylhet; University College, Calcutta; University College, London; and Liden University, Calcutta University prizeman and gold medalist; Miranini Research Gold Medalist; Frenchand Roy chand Scholar; Griffith Prizeman; Mount Gold Medalist, Calcutta University; and Government of Bengal Research Fellow in Indian Art and Archaeology, 1927-30; University Post-Graduate Lecturer in Indian History, Art and Archaeology, 1931-44; Ghosh Travelling Fellow, Calcutta University, 1935-36; represented Calcutta University at the XIX International Congress of Orientalists, Rome, 1935, the Anglo-American Historical Conference, London, 1936 and the International Numismatists Congress, London, 1936; President, Federation of the Indian Students' Abroad, Prague Session, 1936; Member, Indian National Delegation, Pacific Relations Conference, 1951, Chief Librarian, Calcutta University, 1937-44; Pres., Bengal Library Association, 1939-43; imprisoned for about a year in connection with the Congress movement of 1943; Member, Governing Body, Vivek-Bharati, Santiniketan; Member, Board of Trustees, Indian Museum, Calcutta; General Secretary, Asiatic Society, Calcutta, 1949-52; Vice-Pres., Indian Society of Oriental Art, Calcutta; Visiting Prof., Washington Univ., and Guest Lecturer at U.S. Univ.,



*Due to vacate office in Aug. 1954.

1952-53; Tagore National Prizeman, 1950. *Publications: Brahmanical Gods in Burma, Sanskrit Buddhism in Burma, Theravada Buddhism in Burma, Indo-Burmese Art, Maurya and Sunga Art, Dutch Activities in the East, Rabindranath Tagore's Bhumi in 2 volumes (in Bengali), A People's History of Bengal (in Bengali), etc., etc. Address: The University, Calcutta.*

RAY, Priyada Ranjan, M.A., F.N.I. (1935), Hon. Professor, Indian Assoc. for the Cultivation of Science, Calcutta. *b. January 16, 1888; Educ.: Presidency College, Calcutta. Professor of Chemistry, City College, Calcutta (1918-18); Assistant Palit Professor and Lecturer in Chemistry, Calcutta Univ. (1919-37); Khalsa Professor of Chemistry (1937-45); Palit Professor of Chemistry (1946-52); President, Indian Chemical Society (1947-48); President, Indian Science Congress, Chemistry Section, 1932; Co-operating Editor, *Chemische Analyse*, Leipzig, and of *Microchimica Acta*, Vienna (now defunct); member, Ctee. of New Reactions of the International Union of Chemistry; Editor, Science and Culture. *Publications:* Articles in Indian, German and English Journals on problems of Inorganic, Analytical and Magneto-Chemistry; *The Theory of Valency and the Structure of Chemical Compounds*; Translation of Riesenfeld's 'Anorganisch-Chemisches Praktikum.' *Address:* 50/1, Hindustan Park, Ballygunge, Calcutta.*

RAY, Radha Gobinda, M.A. (Philosophy) (Cal.), Minister for Tribal Welfare, West Bengal. *b. 1891, s. of late Prasanakumar Ray; m. Smt. Nirupama Ray; three d.; Educ.: Bishnupur H.E. School; Bankura Zilla School; Bankura Christian Coll.; City Coll., Calcutta; Calcutta Univ. Joined Indian National Congress, 1906; Non-co-operation Movement launched by Gandhi, 1921; twice elected M.L.C., undivided Bengal; resigned membership in response to the Lahore Congress decision, 1929; suffered imprisonment in picketing movement, 1931-32; kept under police surveillance; Chairman, Reception Ctee. of the Provincial Congress Conference held in Bishnupur, 1938; offered satyagraha, 1942; Principal, Ramananda Coll., Bishnupur, 1946-52; Pres., Subdivisional Congress Ctee. for many years; elected M.L.A., West Bengal, 1952. *Address:* Minister for Tribal Welfare, Calcutta.*

RAYMOND, V. E., Manager for India, Indian Life Assurance Co., Ltd., since Oct. 1, 1947. *b. Oct. 31, 1911, at Karachi, s. of the late E. Raymond, Retired Additional Judicial Commissioner of Sind; Educ.: St. Patrick's High School, Karachi; D. J. Sind Coll., Karachi; St. Xavier's Coll., Bombay. Asst. Secretary, Indian Life Assurance Co. Ltd., April 1, 1940-Oct. 1947. *Address:* Ilaco House, Sir Phiroze Shah Mehta Road, Fort, Bombay.*

REDDI, Berwada Rama Chandra, B.A., M.P., Land Owner and Mica Miner. *b. Nov. 24, 1894, s. of Subba Reddi and Smt. Kamalamma; m. Smt. Sujamma; six s. and five d.; Educ.: Pachalyappa's Coll., Madras. Pres., Dist. Educational Council, 1927-29; Dist. Board, 1929-30; member, Madras Leg. Council, 1923-37; Pres., 1930-37; elected to the House of the People, 1952; member, Economic Enquiry Ctee., Godavari, Kistna and Gunter Districts, 1929-30; Mettur Project Ctee., 1927; Land Revenue Reforms Ctee. (Madras), 1950-51; Land Revenue Enquiry Ctee., 1937; Post-War*

Reconstruction Ctees. (Agriculture) Central and State; Food Advisory Ctees., Central State and Dist.; I.C.A.R. Economic Sub-Ctee.; Central Road Traffic Board (Madras); Vice-Chairman, Mica Mines Labour Welfare Cess Fund Ctee., Madras; Pres., Madras Mica Assoc.; Pres., Madras Chamber of Agriculture; Director and Chairman: Andhra Scientific Co. Ltd., Masulipatnam; Mica-mite and Mica Products Co. Ltd., Gudur; Director: Madras Vanaspathi Ltd., Madras; National Chemicals Ltd., Masulipatnam. *Recreation:* Tennis. *Clubs:* Cosmopolitan Club, Madras; Nellore Club, Nellore. *Address:* Buchireddipalam, Nellore District, Andhra.

REDDI, N. Sankara, Ex-Minister for Local Administration, Govt. of Madras. *b. 1899; Educ.: Pachalyappa's Coll., Madras; underwent training in Swadina Vidyalaya, Madras. Courted imprisonment, 1940 and 1942; member, Kurnool Taluk Board, 1928; Pres., Dist. Educational Council, 1928; Taluk Board, 1932; Dist. Board, 1935-38; Dist. Congress Ctee.; organised Parliamentary Election Ctee., Kurnool Dist., 1935; Parliamentary Secy. in Sri T. Prakasam's Ministry. *Address:* C/o Secretariat, Fort St. George, Madras.*

REDDY, B. Gopala, Pro-Chancellor, Andhra University, since June 1951. *b. August 5, 1907; Educ.: Graduated from Viava Bharathi, Santiniketan; boycotted Government schools in his early age. Actively connected with Congress since 1931; imprisoned several times; was a member of the first Congress Ministry, 1937-39 in charge of Local Administration portfolio; was elected Leader of the House, April 1948; Minister for Finance, Commercial taxes, Elections, Agencies, Motor Transport and Registration, Govt. of Madras; elected Pres., A.P.C.C. *Address:* Buchireddipalam, Nellore District.*

REDDY, H. Nitaram, ex-Minister for Land Revenue and Labour, Govt. of Madras. *b. May 14, 1900; Educ.: Pachalyappa's College, Madras and the Law College. Was a member of the Indian Constituent Assembly; member, Bellary District Board; Senate of the Andhra and Madras Universities, and District Family Ctee.; President, District Educational Council; member, Indian Central Cotton Ctee. and the Indian Council of Agricultural Research; Director, Cuddapah Electric Supply Co. and Prithvi Insurance Co.; member of the Governing Body of the Council of Scientific and Industrial Research of the Government of India; led the Indian Delegation to ECOFEE Session in June 1948 at Ootacamund; led the Indian delegation to the I.L.O. Industrial Ctee. on inland transport, Brussels, May 1949; led the Indian Delegation to the I.L.O. Asian Regional Conference at Nuwara Eliya, Ceylon, Jan. 1950. Leader, the Indian Delegation to the I.L.O. Conference at Geneva, June, 1951; Visited Germany and England to study Lignite mining and its oxidation on behalf of the Govt. of Madras, July 1952. *Address:* C/o Secretariat, Madras.*

REDDY, Konda Venkat Ranga, Minister for Revenue, Excise and Forests, Govt. of Hyderabad. *b. Advocate. b. Dec. 10, 1891, s. of Channa Reddy; m. Smt. Tungabhadramma; seven s. and four d.; Educ.: Private Schools; Normal School, Hyderabad; passed the Law Exam, conducted by the High Court. Practised law, 1908-46; one of the founders of Andhra Movement started in the State, 1923; Pres., Andhra Mahasabha, 1937-42; was on the Working Ctee., Andhra Mahasabha as Treasurer, Member etc.; has taken active interest in the organisation and management of libraries, postels, educational and cultural institutions; M.L.C., Hyderabad, 1937-39; initiated a number of important measures including the abolition of Jagirs, legalisation of inter-caste marriages among Hindus and the right of the*

children to inheritance, removal of untouchability, Hindu women's rights to property, etc., joined freedom movement as a whole-time worker, 1946; was associated with the Andhra Mahasabha till its merger with the Hyderabad State Congress; courted jail in connection with the freedom struggle launched by the Hyderabad State Congress, 1948; Pres., Telangana P.C.C., 1950-52; is on the Executive Ctee. of the Pradesh Congress; M.P., Aug. 1950-Feb. 1952; elected M.L.A., Hyderabad from the Shahabad Constituency; was on the Managing Ctee., Andhra Vidyalaya, Andhra Girls' High School, Reddy Hostel, Vemana Andhra Bhasha Nilayam; is associated with a number of other Andhra institutions; was Founder, Vemana Andhra Bhasha Nilayam; was its Pres. for a number of years; was Pres., Hyderabad State Riyaya-e-Jagir Assoc. *Publications: Principles of Jurisprudence and Criminal Diet of Hyderabad. Recreation:* Gardening. *Address:* Begumpet, Hyderabad. *Permanent Address:* "Sree Sadan", Feekhana, Hyderabad.

REDDY, Kyasambally Chengalaraya, B.A., B.L., Minister for Production, Govt. of India. *b. May 4, 1902, s. of B. Venkata Reddy; m. Sreemathi Sarojamma, B.A.; five s. and one d.; Educ.: Pachalyappa's Coll. and Law College, Madras. Pres., Mysore Peoples' Federation, 1935-37; Pres., Kolar Dist. Board, 1933-37; was for some time Editor of *Jananani*; effected a coalition of the Peoples' Federation with Mysore Congress, Oct. 1937; Pres., Mysore Congress, 1937-38; and 1940-47; was incarcerated four times; went to England and the Continent as representative of the All-India States Peoples' Conference and Miners' Conference to attend the International Miners' Conference, 1946; elected Pres., Mysore Congress and successfully launched Satyagraha for the establishment of Responsible Govt. in Mysore; elected Leader of the Assembly thrice since 1947 and was Chief Minister, 1947-52; was member, Indian Constituent Assembly, 1947-50; elected again to the State Legislative Assembly in 1952; member: Council of States; Ex-Ctee., All-India States People's Conference, 1944-45; Working Ctee., Mysore Congress, since 1937; Pres., Rashtrabhasha Prachar Samiti of Wardha, Delhi Centre, since 1952; Founder Member, Delhi School of Economics. *Address:* Kyasambally Village, P.O. Via K.G.F., Mysore State, S. India; 9, Queensway, New Delhi.*

REDDY, Neelam Sanjiva, Deputy Chief Minister, Andhra State, since Oct. 1953. *b. May 19, 1913, s. of Neelam Chinnappa Reddy; m. N. Nagarathamma; two s. and three d.; Educ.: early education at Adyar (Madras); higher education in the Arts Coll., Anantapur. Discontinued his studies and joined the Congress movement; elected Secy., Andhra Provincial Congress Ctee., 1938-46; convicted and imprisoned for 6 months in connection with the Satyagraha movement, Dec. 1940; arrested again after his release, was transferred to the Vellore Jail as a detenu; released, March 1942; imprisoned, Aug. 1942; released, 1945; after release, organised Congress activities and was elected General Secy.; became Secy., P.C.C. on lifting the ban on Congress; elected M.L.A., Madras 1946; has been Secy., Madras Congress Legislature Party; elected to the Constituent Assembly, 1947; was associated with voluntary Prohibition work carried on in villages in Anantapur Dist. from 1921; Minister for Prohibition, Housing and Forest, Madras till April 1951, when he resigned and was elected Pres., A.P.C.C.; President, Andhra Provincial Congress Ctee., 1951-53; member, Congress Working Committee. *Recreations:* Hockey and Cricket. *Address:* Kurnool.*



REDDY, Mr. Justice P. Chandra, B.A., B.L., Judge, High Court, Madras, since July 1949. *b.* July 1, 1904. *s.* of Malla Reddy and Smt. Subbamma; *m.* Smt. Venkataramanamma, *d.* of late Dewan Bahadur C. Veeraswamy Reddy, District & Sessions Judge, Madras; one *s.* and two *d.*; *Educ.* V. R. High School, Nellore; Pachaiyappa's Coll., Madras; Law Coll., Madras; took law degree, 1927. Enrolled as an Advocate, Madras High Court, Aug. 1928; acted as Crown Prosecutor, 1940. President of the Republican Art Theatres. *Publications*: Commentary on the Madras Hindu Religious Endowment Act and the Madras Estates Land Act in the early years of the professional career. *Recreation*: Gardening. *Clubs*: Madras Cosmopolitan Club; Gandhinagar Club. *Address*: Gandhinagar, Adyar, Madras.

REDDY, T. N. Viswanatha, B.Sc. (Hons), M.P., Business man and Agriculturist. *b.* July 1, 1919, *s.* of late T. N. Ramachandra Reddy; *m.* Smt. Pushpavani; one *s.* and two *d.*; *Educ.* Loyola Coll. and Christian Coll., Madras; took B.Sc. (Hons), 1942. Took to business and Agriculture. *Recreations*: Tennis, Cricket, Bridge and light literature. *Clubs*: Indian Union Club, Madampalli; Masonic Lodge, Chittoor. *Address*: Thamballapalli, Chittoor Dist., Andhra.

REGE, Dattatraya Vaman, B.A. (Cantab.), Bar-at-Law, I.C.S. (Retd.), Chairman, Public Service Commission, Madhya Bharat. *b.* Sept. 18, 1897; *m.* Miss Ambulati Telang; *Educ.*: Elphinstone College, Bombay, Deccan Coll., Poona and Fitzwilliam Hall, Cambridge; obtained double first class in Oriental Languages Tripos. Entered I.C.S., 1921; held charge as Dy. Commr. of various districts, *e.g.*, Nimar, Bilaspur, Buldana, Akola; established Lady Butler Hospital for women and children at Khandwa and Jubilee Memorial Hospital for women and children, Khamgaon; Chairman, Labour Investigation Cttee., Govt. of India, 1944-46; Commissioner, Jabalpur Division, M.P., 1946-48; Chief Commissioner, Mayurbhanj, Nov. to Dec. 1948; Adviser for Orissa States, Jan. to June 1949; Chairman, Labour Investigation Cttee., Hyderabad, July to Dec. 1949; Regional Commissioner and Adviser, Saurashtra, 1950-52. *Publications*: Reports on Labour conditions in Plantations, Dockyards, Mineral oils, Bidi, Cigar and Cigarette Industries, etc. *Address*: Jalvihar, Gwalior.

REID, H. E. Mr. Escott Meredith, B.A. (Toronto), M.A. (Oxon), High Commissioner for Canada in India. *b.* Jan. 21, 1905, *s.* of the Rev. A. J. Reid, Toronto, Ontario, Canada; *m.* Ruth Herriot, three children; *Educ.*: Universities of Toronto and Oxford. National Secy., Canadian Institute of International Affairs, 1932-38; Department of External Affairs, Canada, since 1939. *Address*: 4, Aurangzeb Road, New Delhi.

RENU, Laddu Nath, M.A. (Politics), Dip. S.S.A., 1940, Development Officer, Small Scale Industries Directorate, Govt. of India. *b.* Dec. 31, 1914, *s.* of Raghubar Dayal; *m.* Smt. Indra Renu (née Bellimal); *Educ.*: Meerut upto High School; Univ. of Allahabad. Tata Institute of Social Sciences, Bombay. Secy., Industrial Co-operatives' Organising Cttee., Bombay; Provincial Industrial Co-operative Assoc. Ltd., Bombay; member, Sub-Cttee. on Small Scale & Village Industries set up by the Economic Programme Cttee. of the A.I.C.C. *Publications*: Wrote and edited many articles and pamphlets on Industrial Co-operatives and Cottage Industries in Hindi and English. *Address*: Development Officer, Small Scale Industries Directorate, Development Wing, Shahjahan Road, New Delhi.

REWA: His Highness Sandhawesh Maharajadhiraj Martand Singh Ja Deo Bahadur, Maharaja of. b. 1923; m. the d. of His late Highness Maharao Shri Vija Raj Singh Ji Sawal Bahadur of Kutch, August 23, 1943; Educ.: Daly College, Indore; Mayo College, Ajmer; received training at the I.C.S. Probationers' Course, Dehra Dun, 1942; Administrative training in Mysore for over a year. Ascended the *gadi*, Feb. 7, 1946; was invested with full ruling powers, April 1, 1946; acceded to the Indian Union, Aug. 1947; agreed to the formation of the United State of Vindhya Pradesh consisting of Rewa and thirty-four Bundelkhand States, Feb. 1948; unanimously elected Raj Pramukh when Vindhya Pradesh was inaugurated, April 1948; is a keen sportsman; bagged his first tiger at the age of 13; has shot 90 tigers—the record being 10-9—shot when he was only 13; member, General Council, Daly College; Managing Cttee., King Edward Medical School, Indore. *Address*: Fort, Rewa (Vindhya Pradesh).

ROW, Kavi Sadashiv Jagannivas, Partner, Basant Film Distributors, Bombay. *b.* at Mangalore in a family of poets; *Educ.*: Completed school education at the early age of 15; had special interest in his pet subjects science, mathematics and electricity. Started career as a stenographer; came to Bombay and took a job with a film distribution organisation, 1940; opened his own distribution concern in partnership with Mr. Homi Wadia, June 1946; has been on the Executive Cttee. of the Indian Motion Picture Distributors' Assoc. for the last several years; takes keen interest in the activities of the Assoc.; is a man of multiple activities and works during his spare time for social and welfare organizations; is on the Managing Cttees. of a number of such institutions; studies mechanics, science, photography and electronics during leisure; has built up a small library of books on these subjects; is an amateur cine and still photographer; has a large collection of films and photographs both colour and black and white, with a wide range from a flying bird to a steady rock, has been experimenting on 16 mm. colour with a view to enlarging its scope in the country; ambition is to write and produce pictures which would put Indian films on world market, entered the production field, March 1953; completed his maiden venture in a month's time; always takes pains to carry out his plans according to schedule; has earned a name for himself as a front-rank producer. *Address*: Basant Film Distributors, 2 C & D, Naaz, Lamington Road, Bombay 4.

ROWJEE, Mahomedbhooky Ibrahim-khoy, B.A., M.Sc., C.E. (U.S.A.), *b.* Sept. 28, 1900. Ex-Mayor and ex-Sheriff of Bombay. Diwan to H.H. the Aga Khan and President, H.H. the Aga Khan's Federal Council for India; Bombay Municipal Corporation 1932 to 1948; worked in the Standing Committee of Bombay Municipal Corporation for 11 years and also served in various special Committees of the Corporation; at 21, began serving H.H. the Aga Khan and the Ismaili Khoja Community in various capacities; Vice-President, Shia Ismaili Khoja Bombay Council; President, H.H. the Aga Khan's Supreme Council for

Bombay State, and for India; built a Sanatorium and a Jamathana at Matheran for the use of the Shia Ismaili followers of H.H. the Aga Khan; Sheriff of Bombay, 1937-38; Mayor of Bombay, 1946-47. *Address*: Moobarak Manzil, 50-52, Hughes Road, Bombay.

ROY, Sir Asoka Kumar, M.A., B.L., Barrister-at-Law, Kt. (1937), ex-Law Member, Govt. of India. *b.* Sept. 9, 1896; *m.* Charu Hashini, *d.* of late Taraprasad Roy Choudhury; *Educ.*: Doveton College, Presidency College and Ripon College, Calcutta; called to the Bar, Middle Temple, 1912 (First Class Honourman at the Final Bar Examination). Standing Counsel, Bengal, 1929; twice acted as Judge of the High Court of Calcutta; Advocate-General of Bengal, 1934-43; Law Member of the Government of India, 1943-46; Director Jardine Henderson Ltd., Bengal Coal Co. Ltd.; Titagur Paper Mills Co. Ltd.; Indian Copper Corporation Ltd. and several other companies, Member, Local Board, Imperial Bank of India. *Address*: 3, Upper Wood Street, Calcutta 16.

ROY, Dr. Bidhan Chandra, M.D. (Cal.), M.R.C.P. (London), F.R.C.S. (Eng.), D.Sc. (Cal. & Allahabad), Chief Minister, West Bengal, since Jan. 21, 1948. *b.* July 1, 1882, *s.* of late Babu Prokash Chandra Roy; *Educ.*: Patna, Calcutta, England, Calcutta Medical Coll., Calcutta, and St. Bart's Hospital, London; Pres., R. G. Kar Medical Coll., Belgaia; Professor of Medicine, R. G. Kar Coll. Founder of medical and educational institutions; Vice-Chancellor, Calcutta Univ., 1942-44; Pres., All-India Medical Council, 1939-45; Mayor, Corporation of Calcutta, 1931-33; member, Congress Working Cttee.; Pres., National Council of Education and Jaydevpur Technical Coll.; Calcutta Medical Club and also Indian Medical Assoc.; Chairman, Higher Institute of Technology, Govt. of India. *Address*: 30, Wellington Street, Calcutta.

ROY, Sir Bijoy Prasad Singh, Kt. (1933), K.C.I.E. (1943), M.A., B.L., Ex-President, Bengal Legislative Council, formerly Minister-in-Charge, Local Self-Govt., and Revenue Department, Bengal, 1937-41; Sheriff of Calcutta, 1952. b. 12th January 1894; m. Billwabashini Devi; Educ.: Chakdighi S. P. Institution; Hindu School, Calcutta; Presy. Coll., Calcutta; Univ. Law Coll., Calcutta; member, Calcutta Volunteer Rifles, 1913-19; awarded King's Commission of Hon. 2nd Lieut., 1918; member, Bengal Leg. Council, 1921-36 and 1940; Bengal Leg. Assembly, 1936-40; Councillor, Calcutta Corporation, 1924-30; elected President, National Liberal Federation of India, 1942; Chairman, Board of Directors, Basanti Cotton Mills Ltd.; National Insulated Cable Co. Ltd.; Bengal Provincial Rly. Co.; Director: Belvedere Jute Mills Co. Ltd.; Imperial Bank of India, Ltd.; Hindustan Development Corporation Ltd.; India Steamship Co. Ltd.; Birmkmyre Bros. Ltd.; Managing Director, Lionel Edwards Ltd. *Clubs*: Calcutta Club and Darjeeling Gymkhana Club; Royal Calcutta Turf Club. *Address*: Chakdighi, Dist. Burdwan, W. Bengal; 15, Lansdowne Road, Calcutta 20; 5/1, Hungerford Street, Calcutta 16.

ROY, Chittaranjan, M.Sc., LL.B., M.L.C., Dy. Minister for Co-operation, Cottage and Small Scale Industries, Govt. of West Bengal. *b.* May 1896, *s.* of Uday Narain Roy and late Smt. Shyam Sundari Devi; *m.* Smt. Saroja Roy; four *s.* and one *d.*; *Educ.*: Calcutta Univ.; Hon. Director: Free Land Talks

Ltd., Kharagpur, W. Bengal; Jhargram Electric Supply Co. Ltd., Jhargram, West Bengal; Midnapur Central Co-operative Transport Society Ltd.; Midnapur Co-operative Printing & Publicity Society Ltd. *Publications:* Bengali book *Monna Vana*, an adaptation from Maeterlinck's *Monna Vana* articles on ethnological character of Midnapur District. *Address:* P-8, Bellaghata Main Road, Calcutta 10.

ROY, S. C., M.B.E., M.Sc., B.Sc. (Agri.) (Lond.), Dip. Agri. (Wye), Dip. I.A.R.I., Agricultural Extension Commissioner to the Govt. of India, Ministry of Food and Agriculture, New Delhi. Ex-Director, The Indian Institute of Sugar Technology, Kanpur; Director of Intensive Cultivation, Ministry of Food & Agriculture, New Delhi, Jan. 3, 1950-Oct. 31, 1951; b. Sept. 21, 1901, s. of L. M. Roy and Mrs. S. Roy; m. Chaya Roy; two s. and two d.; *Educ.:* A. B. School, Allahabad; The Wye College (London University); Univ. of Allahabad; Post-graduate training in Agricultural Botany, Indian Agricultural Research Institute, Professor of Botany and Head of the Department of Biology, Agricultural College, Kanpur, 1930-31; Asst. Director and later Dy. Director of Agriculture, Uttar Pradesh, 1931-40; Asst. Agricultural Commissioner to the Govt. of India, 1940-44; Secy., Indian Central Sugarcane Cttee., New Delhi, 1944-46. *Publications:* On various subjects. *Address:* New Delhi.

RUDRA, Major-General Ajit Anil, O.B.E. (1946). b. 1898, s. of the late Principal S. K. Rudra of St. Stephen's College, Delhi; *Educ.:* Trinity College, Kandy. Enlisted as a private, 18th Bn. Royal Fusiliers, saw service in France and Flanders during World War I; promoted L/Corporal, then Corporal and finally Sergeant; led the British troops against the Germans in the fierce battles along the Somme, 1915; was wounded; commissioned, 1919; joined the 4/15th Punjab Regt. in Palestine; took part in the Afghan War, 1920, in the relief of Wana, 1921, and other Frontier operations; has held every regimental appointment in succession in his Bn.; was Q.M. for four years, Adjutant for four years and then a Company Commander; appointed 2nd in Command of his Bn., 1941; promoted Lieut.-Col., 1943; joined the G.H.Q., India as Liaison Officer, South East Asia Command, 14th Army and Eastern Command H.Q.s.; full Colonel, May 1945; appointed Director of Morale at G.H.Q. with the rank of Brigadier; was Military Secretary, Indian Army; G.O.C. Madras Area (Retired, March 1, 1952) *Address:* C/o Grindlay's Bank Ltd., New Delhi.

RUIA, Madanmohan Ramnarain, B.A., Merchant, Banker and Millowner. b. in Samvat 1971, second s. of the late Seth Ramnarain Harnandral of Ramgarh (Rajasthan) and



Bombay; m. one s. and two d.; *Educ.:* Marwari Vidyalaya and St. Xavier's College, Bombay. Director: Ramnarain Sons Ltd., Phoenix Mills Ltd., Vinaya Trading Co. Ltd., Cotton Export & Import Ltd., East India Cotton Association Ltd., United Commercial Bank Ltd., United Agencies Ltd. (Kolhapur), United Sales Ltd., Bombay Potteries and Tiles Ltd., Chopda Electric Supply Co. Ltd., The Rajputana Commercial and Industrial Investment Trust Ltd., Ramnarain Sons (Pakistan) Karachi Ltd., The Great Eastern Shipping Co. Ltd., The Marine General Insurance Co. Ltd., The Evening Star Publication Ltd., Bradbury Mills Ltd., Dawn Mills Co. Ltd., Precision Engineering Works Ltd., Cotton Importers Advisory Cttee., Board of the Bombay Port Trust, Provincial Industrial Co-op. Assoc.; Jagat Trading Co.; Century Spg. and Mfg. Co.; Cttee. member, Indian Merchants' Chamber,

Western India Chamber; Pres., Cotton Buyers' Assoc. Clubs: C.C.I.; Willingdon; Orient; Cttee. member, National Sports Club of India. *Address:* Imperial Bank Building, Bank Street, Fort, Bombay.

RUIA, Radhakrishna Ramnarain, B.A., Merchant, Banker and Millowner. b. Samvat 1978, third s. of the late Seth Ramnarain Harnandral of Ramgarh (Rajasthan) and Bombay; m. Miss Rajkumari, daughter of Sahu Ramnarain, Rals and Zemindar of Bareilly; three d. and two s.; *Educ.:* Marwari Vidyalaya and St. Xavier's College, Bombay. Director: Ramnarain Sons Ltd., Phoenix Mills Ltd., Bradbury Mills Ltd., Dawn Mills Co. Ltd., Vinaya Trading Co. Ltd., Upper Doab Sugar Mills Ltd., Bombay Yarn Exchange Ltd., Hind Steel Corporation Ltd., United Sales Ltd., Nilambur Mines Ltd., United Agencies Ltd., Kolhapur Sugar Mills Ltd. (Kolhapur), Bank of Jalpur Ltd., Ramnarain Sons (Pakistan) Karachi Ltd., The Rajputana Commercial and Industrial Investment Trust Ltd., Ruia Industries Ltd., Kolhapur, Noble Steel Products Ltd., Industry House Ltd.; Member, Millowners' Association Cttee. Clubs: C.C.I.; Willingdon; Orient *Address:* Imperial Bank Building, Bank Street, Fort, Bombay.



RUIA, Ramgopal Ganpatral, Landlord, Philanthropist and Millowner. b. 1906, s. of Ganpatral Ramrikhdas Ruia of Ramgarh, Jalpur; m. Ratulbal, d. of Jwaladutt Singhania of



Fatehpur; one s. and two d.; *Educ.:* Marwari Vidyalaya High School and St. Xavier's Coll., Bombay. Joined his father's firm, Gorakham Ganpatral, Bombay in 1921; expanded his business after his father's death; floated in 1943 two limited liability concerns, Ramgopal Ganpatral & Sons Ltd., and Ramrikhdas, Balkrishna & Sons Ltd. Partner, Gorakham Ganpatral; Director, Ganpatral Ruia Charitable Trust, Ramgopal Ganpatral Charitable Trust. Has given generously to deserving causes: built the Laxminarayn Temple at Vile Parle; maintains a free school and dispensary at Ramgarh; gives free food to cows and poor. Member: Millowners' Assoc. and its Arbitrators' Panel; Hindustani Native Merchants' Assoc.; the Marwari Samelan; the East India Cotton Assoc.; Indian Merchants' Chamber and Bombay Chamber of Commerce. *Recreations:* Tennis, Riding and Swimming. Clubs: Radio, Willingdon, C.C.I., Poona Club, etc. *Address:* Residence: 67, New Woll, Bombay. Office: Dhanraj Mills, Ltd., Sun Mills Road, Lower Parel, Bombay.

RUIA, Ramnivas Ramnarain, Merchant, Banker and Millowner; Senior Partner, Ramnarain Sons Ltd., Bombay. Is the s. of the late Seth Ramnarain Harnandral of Ramgarh (Rajasthan) and Bombay; m. Miss Kamalabai, g. d. of the late Rai Bahadur Sir Hariram Goenka of Calcutta; two s. and one d.; *Educ.:* Marwari Vidyalaya, Bombay and privately. Entered business at an early age; Director: Ramnarain Sons Ltd., Phoenix Mills Ltd., Finlay Mills Ltd., Swan Mills Ltd., Gold Mohur Mills Ltd., Bank of India Ltd., Andhra Valley Power Supply Co. Ltd., United Power Co. Ltd., Bachhraj & Co. Ltd., Bachhraj Factories



Ltd., Oudh Sugar Mills Ltd., Hindustan Sugar Mills Ltd., Mukund Iron & Steel Works Ltd., Hind Cycles Ltd., New India Assurance Co. Ltd., Oxy-Chloride Flooring Products Ltd., Mining Management Syndicate Ltd., Oriental Industrial Investment Corporation Ltd., United Agencies Ltd. (Kolhapur), Dawn Mills Co. Ltd., Kolhapur Sugar Mills Ltd. (Kolhapur), Praga Tools Corporation Ltd. (Secunderabad), United Sales Ltd., Jalpur Mining Corporation Ltd., Jalpur, Brady Engineering Co. Ltd., The Machinery Paints & Chemicals Ltd., New Hindustan Cementa Ltd., Indokem Ltd., New Consolidated Construction Co. Ltd., Rewa Pulp and Paper Mills Ltd., The Rajputana Commercial and Industrial Investment Trust Ltd., Jalpur, Association of Indian Trade & Industry, Bradbury Mills Ltd., Saraf Oil Mills Co. Ltd., Hollerith (India) Ltd.; Carona Sahu Co. Ltd.; Carona Shoe Co. Ltd.; Committee Member of Royal Western India Turf Club Ltd. Clubs: C. C. I.; Willingdon Orient; Hindu Gymkhana. *Address:* Imperial Bank Building, Bank Street, Fort, Bombay.

RUKMINI Devi, M.P., President, Kalakshetra International Arts Centre, Adyar, Madras. b. 1904, Madura, d. of Pandit Nilakanta Sastri; m. 1920, late Dr. G. S. Arundale, Pres., Theosophical Socy., 1934-45. Started dancing under personal guidance of Anna Pavlova; travel and research in dance, music, drama in many countries; extensive tours in N. and S. India with dance recitals and lectures; works through Art and Education for India's cultural renaissance specialising in Bharata Natya, music, drama, painting and crafts. Dramatic productions include *The Light of Asia*; *Incidents from the Life of Bhishma*; *Karakal Ammayar* (Tamil); *Rukmini Swayamvaram* (Kathakali); *Kutirala Kuravanji* (Temple drama); *Kumara Sambhavam*; Lectures and writes on Theosophy, Religion, Art, Culture, Education, etc.; Pres., World Federation, Young Theosophists; Director: The Besant Theosophical School, Adyar; the Dr. V. Swaminatha Iyer Tamil Library; Pres., The Bharata Samaj; Gen. Secy., All-India Cttee., Besant Centenary Celebrations; Director, The Arundale Training Centre for Teachers, Adyar; Vice-Pres., S.P.C.A.; Member, Indian National Commission for Co-operation with UNESCO; nominated member, Council of States representing Art. *Address:* Adyar, Madras 20.

RUPCHAND, His Excellency Wing Commander, Aitchison Chief's College Diploma, Ambassador of India to Afghanistan, Kabul. b. June 16, 1900, s. of late Hon'ble Rai Bahadur Ram Saran Das, Member, Council of State (India); m. Vilas Kanta, d. of late Dewan Ajudhia Das, Foreign Minister, Kapurthala State; two s.; *Educ.:* Aitchison Chief's College, Lahore. Visited Europe a number of times; took interest in international politics; was a member of Council of State, India representing whole of undivided Punjab. *Recreations:* Polo, Big game shooting, Tennis. Clubs: Aero Club of India & Burma; Imperial Gymkhana, New Delhi; Gymkhana Club, Lahore; Gulmarg Club, Gulmarg; Cricket Club of India, Bombay. *Address:* Kabul.

RUTHEESWAMY, Mariadas, B.A. (Madras), M.A. (Cantab.), Bar-at-Law (Gray's Inn), C.I.E. (1930), K.C.S.G. (1938). Ex-Vice-Chancellor, Annamalai Univ. b. 15th August, 1885; m. Marie Dhyrinnathan, 1914; *Educ.:* St. Joseph's Coll. (Cuddalore); St. Joseph's Coll. (Trichinopoly); Nizam Coll. (Hyderabad); Downing Coll. (Cambridge). Asst. Professor of English and History, Baroda Coll., 1913-18; Prof. of History, 1918-27 and Principal, Pachaiyappa's Coll., 1921-27; Principal, Law Coll. (Madras), 1928-30; Councillor, Madras Corp., 1921-23; member, Madras Leg. Council, 1921-26; Pres., Madras Leg. Council, 1925-26; M.L.A. (Con.), 1927; member, Madras Public Service Commission, 1930-42; Pres., Catholic Indian Assoc. of Madras; Catholic Union of

India; Joint Cttee. of All-India Conference of Indian Christians and Catholic Union; Vice-Chancellor, Annamalai Univ., 1942-48. *Editor, Democracy*, 1950, Tamilnad, 1951. *Publications: The Political Philosophy of Mr. Gandhi* (1923); *The Political Theory of the Government of India* (1928); *The Making of the State* (1933); *Some Influences that Made the British Administrative System in India* (1939); *India from the Dawn* (1949). *Address*: 115, Munichalai Road, Madurai.

SACHAR, Bhim Sen, B.A., LL.B., Chief Minister, General Administration, Law and Order, Jails, Justice and Publicity, Punjab (India), since April 1952. *b.* 1st Dec. 1893; *m.* Shrim. Lalita Devi, *d.* of Ral Bahadur Mukand Lal Puri; *Educ.*: Punjab University. Joined the Bar in 1918; joined Non-co-operation Movement, 1921; Secretary, Punjab Provincial Congress Committee, 1921; Registrar, National University, Lahore; Secretary, Municipal Committee, Gujranwala, 1922-24; Municipal Commissioner, Gujranwala, 1924-33; founded the Sunlight of India Insurance Co. Ltd. in 1932; Director, Gujranwala Electric Supply Co. Ltd. and Local Director, Punjab National Bank, Ltd.; elected member, Punjab Legislative Assembly on Congress ticket, 1936-46; re-elected in 1945; member, East Punjab Assembly; elected leader, Congress Party, Punjab Legislative Assembly, 1940; elected member, Constituent Assembly of Pakistan from West Punjab in 1947 and Deputy Leader of the Congress Party in the Pakistan Constituent Assembly; Finance Minister, Punjab Government, 11th March 1946 to 3rd March 1947; elected leader, Congress Legislature Party, East Punjab, April 1949; Chief Minister, East Punjab, 1949. *Address*: Simla.



SACHDEV, Malk Raj, B.A. (Hons.) (Punjab), M.A. (Cantab.), I.C.S., Secy., Ministry of Works, Housing and Supply, Govt. of India, since April 1954. *b.* Oct. 12, 1903, *s.* of late R. S. Ladharam Sachdev of Quetta; *m.* Savitri, *d.* of late R. B. Arjandas Vasudev; one *s.*, Nareah; *Educ.*: Quetta, Lahore and Cambridge. Asst. Commissioner, D. C., Controller of Supplies, Bombay; Deputy Director-General, Supply Dept.; Director-General, Civil Supplies, Punjab; Exchequer and Taxation Commissioner; Secy. to Govt., Punjab; Chief Secretary, Govt. of East Punjab till April 1954. Partition Commissioner. *Clubs*: Willingdon Club, Bombay; East Punjab Club, Simla. *Address*: Ministry of Works, Housing and Supply, New Delhi.

SADGOPAL, Dr., M.Sc. (Tech.), D.Sc., F.C.S., F.R.H.S., F.R.I.C. (Lond.), Senior Research Officer (Chemist), Forest Research Inst., Dehra Dun, since 1950. *b.* Aug. 26, 1908, *s.* of late Diwan Chand of Jullundur (Ph.); *m.* Smt. Kamala, B.A., *d.* of late Prof. Shiva Dayal, Lahore; one *s.* Anil and two *d.* Mrdula and Achala; *Educ.*: Jullundur; Banaras Managing and Technical Dir. Hindusthan Aromatics Co., Naini-Allahabad, 1936-47; Prof., Oil and Soap Technology, Banaras Hindu Univ., 1947-50. *Publications*: About 120 Research publications on Indian Oils and Fats, Soaps and Essential Oils and Perfumes, etc. *Recreations*: Gardening; Social Work *Clubs*: Scientific and Literary. *Address*: Forest Research Inst., Dehra Dun.

SADGOPAL, Dr., M.Sc. (Tech.), D.Sc., F.C.S., F.R.H.S., F.R.I.C. (Lond.), Senior Research Officer (Chemist), Forest Research Inst., Dehra Dun, since 1950. *b.* Aug. 26, 1908, *s.* of late Diwan Chand of Jullundur (Ph.); *m.* Smt. Kamala, B.A., *d.* of late Prof. Shiva Dayal, Lahore; one *s.* Anil and two *d.* Mrdula and Achala; *Educ.*: Jullundur; Banaras Managing and Technical Dir. Hindusthan Aromatics Co., Naini-Allahabad, 1936-47; Prof., Oil and Soap Technology, Banaras Hindu Univ., 1947-50. *Publications*: About 120 Research publications on Indian Oils and Fats, Soaps and Essential Oils and Perfumes, etc. *Recreations*: Gardening; Social Work *Clubs*: Scientific and Literary. *Address*: Forest Research Inst., Dehra Dun.

SADOC, Dr. William Merrill, German Interpreter to the Govt. of India, Ministry of External Affairs, *b.* Dec. 15, 1909; *Educ.*: Graduated from Gordon Coll., Rawalpindi and Univ. Law Coll., Lahore; Doctorate with distinction in Economics, Ludwig Maximilians Univ., Munich. Was Professor of Economics, Christian Coll., Lucknow; practised law at Jhelum and Calcutta; was commissioned during the last War; broadcast a number of

talks from the A.I.R. against the scourge of Nazism; served as A.D.C. to H.H. the Maharaja of Jind; was Secy., Roller Flour Millers' Federation of India; managed own farm "Sadoc Estate" at Nainpur; Prize man in Oratory, Marksmanship and Equestrian skill. *Publications*: Pamphlets on: *The Great Menace, The Technique of Terror, The Price of Peace, The New World Order, If Hitler Came to India*, etc., etc. *Recreations*: Tennis; Riding; Farming; Travelling; Motoring; Big game hunting; Lecturing. *Address*: German Interpreter to the Govt. of India, Ministry of External Affairs New Delhi.

SAGGI, Parashram Das, Editor, The Indian Outlook, Bombay, *b.* 1913, in Bajwara; *Educ.*: Graduated with honours from Forman Christian Coll., Lahore, 1934. Travelled widely to study and acquaint himself with the peoples of India, Burma, Ceylon, Singapore and Malaya; edited the *Literary Star* and the *Punjab Times*. Responsible for formally establishing the Indian Nationals Overseas Congress, a movement enthusiastically endorsed by Mahatma Gandhi and Pandit Nehru; as Pres. of the Indian Nationals Overseas Congress, London, attended the United Nations Peace Conference of 1946 in Paris; launched and edited *The Indian Outlook* a monthly journal, from London, 1947; since then, travelled extensively in Europe, United States and the Caribbean area; acted as Observer at U.N.O. at Lake Success, 1950; after his return to India started *The Indian Outlook* in Bombay, Convenor and Gen. Secy., All-India Convention of Race Relations, Oct. 1952; Northern India Convention of Race Relations, Feb. 1953; Editor-in-Chief, *Indians Overseas Year Book and Who's Who and Struggle for Human Rights*. *Address*: "Sohrab House", 235, Hornby Road, Bombay 1.



SAGGI, Parashram Das, Editor, The Indian Outlook, Bombay, *b.* 1913, in Bajwara; *Educ.*: Graduated with honours from Forman Christian Coll., Lahore, 1934. Travelled widely to study and acquaint himself with the peoples of India, Burma, Ceylon, Singapore and Malaya; edited the *Literary Star* and the *Punjab Times*. Responsible for formally establishing the Indian Nationals Overseas Congress, a movement enthusiastically endorsed by Mahatma Gandhi and Pandit Nehru; as Pres. of the Indian Nationals Overseas Congress, London, attended the United Nations Peace Conference of 1946 in Paris; launched and edited *The Indian Outlook* a monthly journal, from London, 1947; since then, travelled extensively in Europe, United States and the Caribbean area; acted as Observer at U.N.O. at Lake Success, 1950; after his return to India started *The Indian Outlook* in Bombay, Convenor and Gen. Secy., All-India Convention of Race Relations, Oct. 1952; Northern India Convention of Race Relations, Feb. 1953; Editor-in-Chief, *Indians Overseas Year Book and Who's Who and Struggle for Human Rights*. *Address*: "Sohrab House", 235, Hornby Road, Bombay 1.

SAN, Roop Narain, Proprietor, National Motors, Jodhpur, with branch at Kotah. *b.* July 21, 1926, *s.* of R. B. Sah Madan Mohanji, Jagir-dar; *m.* Smt. Ayodhya Kumari; two *s.*; *Educ.*: Graduated in science from the Lucknow University. Partner: Brij Talkies Kotah, National Tractors, Jodhpur; Bundi Electric Supply Co. Ltd., Bundi; Mg. Director: City Light Theatres Ltd., Palanpur, Abu Motor Service Co. Ltd., Abu Road; Licensee, Olympic Cinema, Jodhpur; member, Marwar Chamber of Commerce. *Address*: National Motors, Jodhpur.



SANE, Jogendra Mohan, B.Sc., M.Sc. (1st Class), F.I.C., Director, Indian Institute of Sugar Technology, Kanpur. *b.* Nov. 1, 1899, *s.* of G. P. Saha (late), and Smt. N. R. Saha; *m.* Smt. Nilima Das; two *s.* and one *d.*; *Educ.*: Scottish Churches Coll., Calcutta; Univ. Coll. of Science, Calcutta. Manager & Chief Technologist, Sugar Factories, 1930-38; Chemical Examiner, Central Excises & Salt, Delhi, 1939-42; Dy. Director, Chemicals & Supply Dept., New Delhi, 1942-46; Dy. Director, Chemical Industries Section, Inter-Allied Reparations Agency, Brussels, Belgium; Professor of Sugar Technology, Kanpur; holder of patents for inventions; awarded Rs. 85,000 by the Govt. of Jodhpur for discovery of Sodium Sulphate. *Publications*: Several on Sugar Technology and other subjects. *Address*: Indian Institute of Sugar Technology, Kanpur.

SANE, Moqhammad, D.Sc., F.R.S., F.R.A.S.E., F.N.L., M.P., Palit Professor of Physics, Calcutta University, *b.* 1898; *Educ.*: Dacca and Presidency College, Calcutta. Khadra Prof. of

Physics, Calcutta Univ., 1921-23; Prof. of Physics, Allahabad Univ., 1923-38; Dean of Science Faculty, Allahabad Univ. (1931-1934); President, Indian Science Congress, 1934; President, National Institute of Sciences, India, 1937-38; Carnegie Travelling Fellow, 1936; Palit Professor of Physics, Calcutta University (1938); member, National Planning Committee of the Indian National Congress; member, Indian Scientific Mission (1944-45), sent by the Govt. of India to visit U.K., U.S.A. and Canada; member, Univ. Commission, Govt. of India, 1948-49. Founder-Director, Institute of Nuclear Physics, Calcutta Univ.; Pres., Council of the Indian Assoc. for Cultivation of Science, 1947-51; elected member of the House of People, 1952; Chairman, Calendar Reform Cttee., Govt. of India. *Publications*: On the Fundamental Law of Electric Action deduced from the Theory of Relativity, 1918; On Measurement of the Pressure of Radiation, 1918; Selective Radiation Pressure, 1918, etc. and numerous scientific papers, English, Continental and American; On a physical theory of the Solar Corona; Author of a Treatise on the Theory of Relativity; Author of a Treatise on Modern Physics; a Treatise on Heat; a Junior Text-book of Heat. Founder-Editor of *Science and Culture*. Author of *My Experiences in Russia*. *Address*: Institute of Nuclear Physics, 92, Upper Circular Road, Calcutta.

SANHI, Srimati Tribeni, Social Worker. b. 1905, at Meerut, *d.* of S. S. Bisaria; *m.* late Ral Sahib Tribeni Sahai. District Magistrate; three *s.* and four *d.*; *Educ.*: Meerut. As a social worker, has created new spirit in women; formed "Mahila Samiti", Bareilly, 1946; its Pres., since its inception; member: Executive of the City Reform League and Orphanage; Education Cttee., Municipal Board; City Congress; is working for improving women's education and for the uplift of women. *Publications*: *Ananya Ratna*; *Hindu-Muslim Unity*; etc. *Address*: Tribeni Bhawan, Tribeni Sahai Marg, Bareilly (U.P.).

SANAY, Anand Mohan, Commissioner for the Govt. of India in Mauritius. b. 1898, at Bhagalpur (Bihar), *s.* of Lal Mohan Sanay; *m.* Smt. Sati Sen, 1927; gave up study of medicine and joined independence movement started by Gandhiji, 1920. Private Secy. to Dr. Rajendra Prasad, 1921-23; was Professor in Y.M.C.A. Foreign Language Coll. for 16 years; organised Japan Branch of the Indian National Congress, 1928; organised and edited a monthly journal "Voice of India" in English and Japanese, 1930; started "India Lodge," a home for Indian students who came to Japan for industrial and technical training, 1938; wrote number of books on Indian Freedom Movement in Japanese and English; one of the chief organisers of the Indian Independence Movement in the Far East during World War II; was Minister and Secretary-General in Subhas Chandra Bose Govt.; twice imprisoned; Pres., East Indian Railway Employees' Assoc., 1947; nominated member, Central Advisory Council of the Govt. of India on labour, 1948; Pres., of several educational institutions in Bihar; organised a degree college for women in Bhagalpur, 1949; Commr. for the Govt. of India in the British West Indies, 1950-54. *Address*: Champ-de-Mars, Port Louis.

SANAY, Bhagwan, B.Sc. (Allahabad), I.C.S., Chief Commissioner, Bhopal, since 1952. b. Feb. 15, 1906; *m.* Smt. Dayawati; one *s.* and one *d.*; *Educ.*: Univ. of Allahabad; School of Oriental Studies, London. Jt. Magistrate, U.P., 1929; Dy. Secy. to Govt., U.P., 1936-39; Supdt., Census operations, 1939-41; Secy., Indian Council of Agricultural Research, 1941-43; Joint Secy., Govt. of India, 1944-45; Commissioner, Food & Civil Supplies, 1946-49; Chief Secy., U.P. Govt., 1949-51; Chief Commissioner, Himachal Pradesh, 1951-52. *Address*: Chief Commissioner, Bhopal.

SARAY, Jagatnandan, M.A. (Patna), T.D. (London), Registrar, Patna University. b. July 1, 1912, s. of the late Ranajit Prasad, B. & C. Civil Service; m. Srim. Indumati; one s.; Educ.: Science Coll., Patna; Patna Coll., Patna; Institute of Education, London Univ.; Bihar Educational Service; Lecturer in English Language and Literature. Address: Patna 5.

SARAY, Kishna Balhabh, Minister for Revenue, Excise, Govt. of Bihar since 1946. b. Dec. 31, 1898; m. Srimati Kallashpati Devi; Educ.: St. Columbus Coll., Hazaribagh; passed B.A. with Honours in English, coming 1st in the Univ. and obtaining Gait Gold Medal. Prof. of English in Bihar Vidyapith, 1921-23; Member, Bihar Leg. Council, 1924-29; jailed four times between 1930 and 1934 in connection with Congress C. D. Movement; Secy., Bihar Earthquake Relief, 1935-36; elected M.L.A., Bihar, in Jan. 1937 and was appointed Parliamentary Secy. to Minister in-Charge of Political Appointment, Land Revenue and Forest; courted imprisonment, 1940-41 and 1942-44 in connection with individual Civil Disobedience Movement and 1942 movement; elected uncontested to Bihar Leg. Assembly from Hazaribagh Central Constituency in 1946. Editor: *Motherland*, 1921-22; Hindi Weekly named *Chota Nagpur Darpan*, 1940-42. Address: Hazaribagh and Patna.

SARAY, Vishnu, B.Sc. (Allahabad), Secretary, Ministry of Labour, Government of India. b. November 22, 1901, s. of Banke Bihari of Amroha, District Moradabad; m. Radha Rani; one s. and two d.; Educ.: Allahabad and Oxford. Deputy Commr.; Registrar, Co-operative Societies; Director of Agriculture, Uttar Pradesh; Director-General, Food; Secretary, Govt. of India, Ministry of Food and Agriculture, 1951-53. Recreation: Golf. Address: Ministry of Labour, Govt. of India, New Delhi.

SAHUKAR, Nariman Dinsha, B.A., Manager, Godrej & Boyce Mfg. Co., Ltd. b. Feb. 2, 1902, s. of Dinsha Dossabhai and Motilal Dinsha; m. Mani N. Chubb, B.A.; Educ.: St. Xavier's College, Bombay. President, Engineering Association of India, Bombay Br., 1947; President, Assoc. of Indian Industries, 1948; Vice-President, All-India Manufacturers' Organization, 1949. Club: W.I.A.A., Club House Ltd. Address: 39-F, Hill Road, Bandra, Bombay.



SAIYEDNA, Taher Saifuddin Sahab, His Holiness (Mulla) Sahab, Head of Dawoodi Bohra Shia Muslim Community, a business community having interests and connections practically all over the world; till the inauguration of the Indian Republic on 26th Jan. 1950, was a First Class Sardar of the Deccan and enjoyed all the privileges of that status. b. Aug. 5, 1885, at Surat; succeeded to his office, 1915; m.; is the 51st incumbent of the office of Dail-Mutlaq; derives his succession from Prophet Mohammed (peace be upon him) through his descendants the Fatimid Caliphs of Egypt; is an eminent Arabic Scholar and one of the greatest exponents of Islamic culture and literature; his annual Arabic brochures on religious and philosophical subjects published during the month of Raman, are acknowledged as masterpieces of Arabic literature; received the Honorary Degree of Doctor of



Theology from the Muslim Univ. of Aligarh at a special convocation in 1946; widely travelled in India and the Middle Eastern countries; keenly interested in Indian and world problems; a liberal patron of education, arts and industries; has made suitable arrangements to conduct about 350 Madrasahs or schools including High Schools with attached hostels; maintains at Surat an Arabic College the El-Jameatu-s-Saifiyah, where more than 300 students are given free education and are also provided with free boarding and lodging; instances of his munificence are, preparation of Klawat, i.e. an artistic carpet of silver brocade for the covering of the inner walls of the Holy Kaaba at Mecca, the presentation of gold and silver Zarih to the Manoleas (sepulchres) of the saints of Najaf and Kerbala in Iraq and the erection of a Minaret outside the shrine of Maulana Hussain, the Martyr of Islam, and substantial donations to several institutions in India including Aligarh Muslim Univ. and the Shia Technological Institute at Lucknow; is a patron of the Assoc. of Muslim Education, Mombasa (Kenya); was unanimously elected Chancellor of the Muslim Univ., Aligarh, by the Univ. Court, April 1953; Heir-apparent: Abil Qaued Johar Mohammed Burhanuddin Sahab, appointed to succeed as 52nd Dail-Mutlaq in the line. Address: Salfy Mahal, Pawal Road, Malabar Hill, Bombay 6.

SAIYEDAIN, Khwaja Ghulam, B.A., M.Ed., Joint Educational Adviser and Joint Secy. to the Ministry of Education, Govt. of India. b. Oct. 16, 1903, s. of Khwaja Ghulam Saqlain; m. Aziz Jahan Begum; four d.; Educ.: Univ. of Aligarh and Leeds (England). Professor of Education, Aligarh Muslim Univ.; Director of Education, Jammu and Kashmir State, Educational Adviser to Rampur Govt., Educational Adviser to Bombay Govt. Publications: *The School of the Future*, *Principles of Education*; *Iqbal's Educational Philosophy*, *Problems of Educational Reconstruction*, *Education for International Understanding*, *Education, Culture and the Social Order*, *Aligarh Movements in Education*; *The Education of the National Character*, *Activity School*; *The Spirit of Culture*. Recreations: Reading, Writing. Address: 18, Willingdon Crescent, New Delhi.

SAKSENA, Mohanlal, B.Sc., I.L.B., M.P., Advocate, Supreme Court of India and Ex-Minister, Govt of India. b. Oct. 25, 1896. Educ.: Canning College, Lucknow, University School of Law, Allahabad. Lecturer. Isabella Thoburn College, Lucknow, 1919-20; joined N.C.O. in 1920; member, Municipal Board, Lucknow, 1923-25; member, U.P. Leg. Council and Chief Whip, Swaraj Party, 1924-26; General Secretary, U.P. Provincial Congress Committee, 1928-35; elected member, Indian Legislative Assembly, 1935-45; re-elected unopposed, Nov. 1945; President, U.P. Provincial Congress Committee, 1938-39; Managing Director, the *National Herald*, 1939-40; Member, All-India Congress Committee; has undergone imprisonment several times since 1921 for national cause; Secy., All-India Political Prisoners' Relief Ctee., Lucknow; Sec., Congress Party, Central Leg. Assembly, 1946-47; Member of the Constituent Assembly of India, July 1946; Secretary of the Congress Party in the Dominion Parliament, 1947-March 1949; Chairman, Railway Grainshops Enquiry Ctee.; Minister for Rehabilitation, Govt. of India, 1948-50; Elected to the House of the People from Lucknow-Barabanki Constituency; interested in village industries; Pres., All-India Housing Assoc. Address: Udyog Batika, Hardol Road, Lucknow; Ferozshah Road, New Delhi.

SAKSENA, Premchandra, B.Sc., Inspector-General of Police, Madhya Pradesh. b. Dec. 26, 1900; m. d. of Raja Sir Oudh Narain Bisarya, Prime Minister, former Bhopal State; two s., eldest is Officer in Indian Armed Forces, and one d.; Educ.: Robertson

College, Jabalpur; Muir Central College, Allahabad. Joined the Indian Police as a result of competitive examination, 1925; District Superintendent of Police in several districts; was for some time Central Intelligence Officer, Madhya Pradesh, under the Govt. of India; promoted D.I.G. of Police, August 1947; officiating as I.G. of Police since Feb. 1948; awarded the Indian Police Medal in 1947. Recreations: Riding, Tennis and Golf. Address: Nagpur.

SAKSENA, H.E. Ramji Rama, B.Sc., M.A., I.L.B., Indian Customs Service, High Commissioner for India in Canada, since June 1951. b. June 15, 1897, Sultanpur, U.P.; Educ.: Allahabad University. Professor of Economics, Allahabad University, 1920-21; joined Income-tax Department, 1922; Imperial Customs Service, 1923; First Secretary, Central Board of Revenue and Under-Secretary to the Government of India, Finance Department, 1934; Officer on Special Duty, Finance Department, Government of India, for the revision of the official publication "Handbook of Commercial Information for India," Third Edition, 1936; Indian Government Trade Commissioner in Japan, April 1937 to September 1940; Indian Government Trade Commissioner in Australia and New Zealand, February 1941-47; Joint Secretary, Ministry of External Affairs and Commonwealth Relations, July 1947 to April 1948; Indian Consul-General in New York, May 1948-May 1951. Recreations: Tennis, Bridge. Address: C/o Ministry of External Affairs, New Delhi.

SALIM, Mufti Mohd., B.A., Member, Society of Automotive Engineers, Member, Institute of Aeronautical Sciences, Associate Fellow, Royal Aeronautical Society, General Manager, Orient Airways Ltd., since Feb. 1952. b. Aug. 12, 1913, at Bilaspur (M.P.), s. of Mufti Abdul Majid; m. Zubeda Begum; two s. and two d.; Educ.: Jabalpur and Gujarat (Pb); graduated from Islamia Coll., Lahore; Aeronautical Training Centre of India, New Delhi (1935-1937). Served Tata Air Lines (now Indian Air Lines Corporation), 1938-42; incharge 7 C.M.U. and Eng. 1/c Airframe Overhaul Section, I.N.A. 1942-46; Inspection Division, Govt. of India, 1946-March 47; Chief Inspector, Orient Airways Ltd., 1947-48; Chief Engineer, 1948-52. Recreation: Photography. Address: C/o Orient Airways Ltd., New Delhi.

SALONKE, Dattatraya Maruti, Managing Director, F. & T. Corporation Ltd., Kolhapur. b. Nov. 30, 1909; m. Smt. Nanibai, d. of Ramchandra Baganikar; one d.; Educ.: Kolhapur. After completing his secondary education at Kolhapur, served as a compositor in a printing press; was a clerk in the Shahu Mills; resigned and took up commercial line by opening the Shradhanand Stores of stationery, etc.; also carried on the co-operative movement by opening a petty bank; converted the bank and the stores into a corporation named the Shradhanand Financing and Trading Corporation Ltd., Kolhapur; entered political career, 1939; active and prominent member, Kolhapur Praja Parishad; elected Director, Urban Bank; Chairman, Agricultural Produce Marketing Ctee. and member, Kolhapur Municipality; was Chairman Standing Ctee., Kolhapur Municipality; Vice-Pres. and Pres., 1950; as Pres. made several improvements in Kolhapur such as tarring of roads, laying foundation of the Bagal market, opening of a maternity home and erecting the statues of Shahu Maharaj, Mahatma Fule and Dr. Ambedkar; Treasurer, Karveer Nagar Vachan



Mandir, since 1949. *Recreations*: Football, Hockey. *Club*: Dival Club, Kolhapur. *Address*: Raviwarpath, Ward B-662, Kolhapur.

SAMPURNANAND, B.Sc. (Ald.), L.T. (Ald.), Minister, Home and Labour (U.P. Government). *b.* Jan. 1, 1891; *m.* Savitri Devi (deceased); *Educ.*: Queen's College, Benares; Training College, Allahabad. After graduating, worked as a teacher in the Prem Mahavidyalaya, Brindaban and the Harishchandra High School, Benares; worked at the Dely (Rajkumar) College, Indore, 1915-18; Headmaster, Dugar College, Bikaner, 1918-21; was Editor, *To-day* (Eng. Daily now defunct) and *Maryada* (Hindi monthly); Professor, Kashi Vidyapith, 1922; Member, A.I.C.C. since 1922; thrice Secy., U.P. Provincial Congress Committee; President, second All-India Socialist Conference, Bombay; President, 29th Hindi Sahitya Sammelan, Poona Session, 1940; Minister of Education, U.P. Govt., 1938-39. *Publications*: Fifteen books in Hindi on political, historical and philosophical subjects, and in English on Politics and Philosophy; received Mangala Prasad prize of Rs. 1,200 for his book 'Samajwada' (Socialism). *Hobby*: Gardening and Astronomy. *Address*: Jalpa Devi, Benares; Secretariat, Lucknow.

SANGHI, Seth Motilal Ghanshyamdas, Chairman, Western Indian States Motors Ltd., Jodhpur, Sanghi Motors (India) Ltd., Indore, Mewar Oil and General Mills Ltd., Udaipur; Director, India Motors Ltd., Ajmer. *b.* Dec. 7, 1899 of the Sanghi family of Jodhpur. Founder of FIRM Sanghi Brothers in Jodhpur with offices and cinemas in Rajasthan and Central India; toured extensively round the world. *Address*: Jodhpur.

SANIVAYYA, D., B.A., B.L., Minister for Public Health, Co-operation and Housing, Labour, Rural Development, Harijan Uplift, Re-settlement of ex-Servicemen, Khadi and Planning, Govt. of Andhra. *b.* Feb. 14, 1921; *Educ.*: B.A. from Govt. Arts Coll., Anantapur; B.L. from Madras Law Coll. Enrolled as an Advocate, 1950; joined the Congress and was elected to Parliament from the Madras Legislature as a Congress nominee; elected M.L.A. (Madras) from Kurnool Reserved Constituency as a Congress candidate in the general elections, 1952; Minister for Co-operation and Housing, Govt. of Madras, 1952-54. *Address*: Secretariat, Kurnool.

SANKALIA, Dr. Hasmukh Dhirajlal, M.A., LL.B., Ph.D. (London), Professor and Head of the Dept. of History, Deccan Coll. Post Graduate and Research Institute, Poona. *b.* Dec. 11, 1908, *s.* of Dhirajlal V. Sankalia, Advocate, Bombay and Mrs. Motigauri Dhirajlal Sankalia; *m.* Sarla Chhaganlal Marfatia, Bombay; *Educ.*: Elphinstone High School; St. Xavier's Coll. and Law Coll., Bombay; Univ. Coll., London; Bhagwanlal Indraji Prizeman (1933), Silver Jubilee Medal, Bombay Branch, Royal Asiatic Society (1944). Some time Hon. Lecturer, St. Xavier's Coll., Bombay; conducted excavations and explorations in prehistory and early history relating to Gujarat, Maharashtra, Karnatak and Madhya Bharat. *Publications*: *The University of Nalanda; Archaeology of Gujarat; Investigations into the Pre-historic Archaeology of Gujarat; Historical Geography & Cultural Ethnography of Gujarat; The Godavari Palaeolithic Industry; Excavations and Brahmapuri* (Kolhapur) and over 80 papers on Indian History, Epigraphy, Iconography and Pre-history. *Recreations*: Hiking, Tennis, Boating, Cricket. *Address*: Deccan College Post Graduate & Research Institute, Poona 6.

SANTHANAM, K., Lieut.-Governor, Vindhya Pradesh, since March 1, 1952. *b.* 1895, *s.* of Kasturiranga Iyengar; *m.* Soundarammal; four *s.* and one *d.*; *Educ.*: Graduated with Honours in Mathematics in 1917. Enrolled in High Court, Madras, 1920; non-co-operated in the same year and gave up practice; did Khadi work, 1920-30; was in jail in the non-co-operation campaigns of 1921-1922, 1930-1932 and 1941; was Editor, *Indian Express*, 1933-40; Member, Indian Legislative Assembly, 1937-42; Joint Editor, *Hindustan Times*, 1943-48; Member, Constituent Assembly from 1946; Minister of State for Railways and Transport, Govt. of India, Oct. 1948-Feb. 1952. *Publications*: Eng.: *Cry of Distress, Ambedkar's Attack, The Constitution of India, and Problems before the Indian Republic*; Tamil: *Pongyum, Meyyum, Podunala Samudayam, Rajyam and Kannin Kanavu*. *Address*: Raj Niwas, Rewa.



SARAF, Govind Vithal, B.A., LL.B., Pleader, Shahapur, Belgum. Director, Belgum Bank Ltd., Belgum. *b.* 1909; *m.* Miss Indirabai Divekar, *d.* of Dr. I. B. Divekar of Hubli; 2 *s.* and 2 *d.*; *Educ.*: Deccan College, Poona; graduated in 1931. Director, Belgum Bank Ltd. since 1940; Vice-Pres., Belgum District Primary Education Socy., running 135 voluntary schools in villages and a Marathi Training Coll. at Belgum; ex-Member, Shahapur Taluka Local Board; Proprietor, New Hindustan Metal Works, Shahapur; Pres., Shahapur Municipality, 1943-46; was Chairman, Belgum Bank Ltd., 1952; active social worker; takes keen interest in public affairs; office-bearer of various public institutions; Division Commander, Home Guards, Shahapur; fond of literary pursuits and physical culture; has contributed generously to various public institutions. *Address*: 145, Thalakkwadi, Belgum (Southern Rly.).



SARAF, P. Shamal, Minister for Development, Jammu and Kashmir State. *b.* July 4, 1904, *s.* of P. Samsar Chand Saraf; *m.*, *d.* of P. Ramchand Budki of Srinagar, Kashmir; one *d.*; *Educ.*: Sri Pratap College, Srinagar. Joined business after studies; organised many concerns; was Hon. Secy., Chamber of Commerce for several years; took active part in Kashmir's political activities; joined National Conference and courted arrest many times. *Clubs*: Amar Singh Club, Srinagar. *Address*: Rainawari, Srinagar.

SARAIYA, Jayant Varjivandas, B.A. (Hons.), Cotton Merchant. *b.* November 15, 1916, 2nd *s.* of Seth Varjivandas Motilal, Cotton Merchant and ex-Partner of Narandas Rajaram & Co., Bombay; *m.* Manorama V. Shah, niece of Seth Sakerial Balabhai, Millowner, Ahmedabad; *Educ.*: Elphinstone College, Bombay. After graduation joined Narandas Rajaram & Co., 1938; travelled in Kenya, Uganda, Tanganyika, Ceylon and extensively in India on business; started his own firm of India Cotton Supplies Ltd. in partnership with Messrs. Beharilal Ramcharan, Millowners & Bankers of Kanpur; became its Managing Director; recently visited Egypt and Europe for pushing the firm's business in cotton. *Recreations*: Sports



and Motoring. *Clubs*: C.O.I. Ltd.; W.I.F.A. Ltd.; Orient Club. *Address*: Swastik Court, 132, Queen's Road, Bandstand, Bombay 1.

SARAIYA, Ramanlal Gokaldas, B.A., B.Sc., O.B.E., J.P., Hon. Presidency Magistrate, Cotton Merchant and Vice-Chairman, Narandas Rajaram & Co., Ltd., Bombay. *b.* Jan. 16, 1898; *m.* Padmavati, daughter of Sir Purshotamdas Thakurdas, Kt., of Bombay, 1920; 3 *s.*; *Educ.*: Gujarat College, Ahmedabad; Wilson College, Bombay and Imperial College of Science and Technology, London; Matric (1914); B.A. (Hon.), 1919; Dakshina Fellow, Wilson College, 1919-20; B.Sc. (1920); took post-graduate course in Chemical Engineering in England and diploma of City and Guilds of London Institute in oils and fats and also in soap manufacturing; elected Fellow of the Chemical Society, London. After return to India, joined Narandas Rajaram & Co. in 1922; became its partner in 1926 and Vice-Chairman since its conversion to limited company in 1944; Chairman of the All-India Co-operative Planning Committee, 1944-45; member, Agricultural Finance Sub-Committee of the Govt. of India, and Co-operative Training Committee appointed by Govt. of Bombay and of the Expert Cttee. on Futures Markets (Regulation) Bill, 1950; Chairman, Bombay State Co-operative Bank Ltd., Bombay Co-operative Banks Association, Bombay Board of the United Commercial Bank Ltd.; Pres., Federation of Indian Chambers of Commerce and Industry; Director, Hind Cycles Ltd., The United Salt Work and Industries Ltd., Sutlej Cotton Mills Ltd., Narandas Rajaram & Co. (Africa) Ltd., etc.; Pres., Indian Merchants' Chamber, 1950; Vice-President, Indian Central Cotton Committee, 1947-52; Member: Bombay State Rural Development Board, Council of the Indian Institute of Bankers; Cttee. of the Indian Merchants' Chamber; Leader of the Indian Delegation to the International Cotton Advisory Cttee., 1948, 1949 and 1950, at Cairo, Brussels and Washington, respectively. *Clubs*: Orient, Willington, Cricket Club, Rotary Club, Bombay. *Address*: Vasant Vihar, 85, Nepean Sea Road, Bombay 6.



SARAN, Prof. Ram, M.A., LL.B., M.P., Social Worker *b.* Sept. 1894, *s.* of late Bansindhar, *m.* Smit Omvati Devi; one adopted *d.* Kumari Pushpa Gupta; *Educ.*: Mission School, Moradabad; Agra Coll., Agra; Christian Coll. and Univ. School of Law, Allahabad. Served as a volunteer in the 1916 Lucknow Congress Session; organised the Moradabad Sewa Samiti; captained volunteers at the U.P. Prov. Conference at Moradabad, 1920; gave up legal practice and joined the N. C. movement, 1921; imprisoned, Jan. 1922 and released; Prof. of Economics and Principal, Kashi Vidyapith, 1923-39; also worked on the Reception Cttee. of the Cawnpore 1926 and Lucknow 1936 sessions; organised the 1930 and 1932 movements; imprisoned 1930, 1932; imprisoned in the Individual Satyagraha Movement, 1940; detained in Moradabad Dist. and Bareilly Central Jails, Oct. 1942 to July 1945; has been member, U.P.C.C. and A.I.C.C. for several years; elected M.L.A. representing Moradabad Dist. Municipalities, 1937 and 1946; elected to the House of the People from the Moradabad Dist. West Constituency; member, Sarwodaya Samaj. *Recreations*: Spinning, Walking. *Address*: Mohalla Ganj, Moradabad; 26, Queensway, New Delhi.



SARAN, Sankar, M.A. (Oxon.), Barrister-at-Law, Custodian General, Evacuee Property, India, since 1953. b. March 31, 1893, s. of Munshi Iswar Saran and Shrimati Shivarani Devi; m. Shrimati Shilavati Devi; two s., Chandra Bhushan and Shaahli Bhushan, and one d., Vijay Lakshmi; Educ.: Central Hindu College, Banaras, 1904-13; Univ. of Oxford, 1914-19; called to the Bar by the Hon'ble Society of Inner Temple, 1918. Govt. Pleader, High Court, Allahabad, 1921; Dy. Govt. Advocate, 1937; Govt. Advocate, 1944; Chief Warden, A.R.P., during World War II; Pros.: Annie Besant School, Allahabad; Madan Mohan Malaviya Coll., Allahabad; Harijan Ashram, Allahabad; Ex-Chief Commr., U.P. Bharat Scouts and Guides; member, Allahabad Univ. Court; Judge, Allahabad High Court, 1940-53; Acting Chief Justice, 1952. Publications: (contributes to the press on current problems. Recreations: Scouting; Education; Special Service. Club: Flying Club. Address: New Delhi.

SARAWOI, Dharam Chand, Proprietor, Jokhiram Bajinath; Director, Steel Syndicate Ltd. and Hindustan Luce Manufacturing Corporation Ltd. b. in 1905 at Ranchi in a philanthropic Jain family; s. of Bajinath Sarawoi; m. (1st), Gliniya Debi, d. of Basidram Sontholia; (2nd),



Moti Debi, d. of Paresch Das Jain of Arrah; two s., Nirmal Kumar & Chandra Kumar and two d., Shanti Devi & Lachmi Kumari; Educ.: privately by guardian tutors; efficiency in English, Hindi & Bengali, besides working knowledge of Mahajani, Gujarati and Rajasthani. Made an extensive tour of Europe including Russia, 1929; had an air-trip round-the-world with his wife, in 1947; again went to the Sanitary Health Congress, Hastings (U.K.) as delegate of Calcutta Corporation and also visited several Nature Cure Centres in the Continent, 1953; got A' Class Pilot Licence, 1930, Secy., Marwari Relief Society (1936 & 1937), again elected as Gen. Secretary, Marwari Relief Traders' Association (1938); Vice-Pres.: Marwari Relief Society, 1947-50; Merchants' Cttee., 1949-50; Jain Sabha and Burrabazar Yubak Sabha, Pres.: Digambar Jain Navajuvak Samiti and Mahabir Pustakalaya, 1931-44; Calcutta Marwari Sammelan and Jugantar Club, 1949-50; Kumar Sabha Pustakalaya (1949-51) and Merchants' Chamber of Commerce; recently elected Councillor, Calcutta Corpn. (uncontested). Publications: Seven months in Europe (Europe Men Sat Mas), Gharelu Pratikrit Chikitsa, Nerog Rakhe Ke Pratikrit Upay, besides numerous articles of literary value on varied and interesting subjects contributed to and published in Hindi periodicals of repute. Recreations: Motoring, Travelling, Flying, Swimming, Photography, Naturopathy. Clubs: Bengal Flying Club; College Square Swimming Club. Address: Jokhiram Bajinath, 8/1, Esplanade East, Calcutta; Residence: Jain House, 8/1, Esplanade East, Calcutta.

SARDA, Dewan Bahadur Har Bilas, F.R.S.L., M.B.A.S., F.S.S. b. 3rd June 1867. Apptd. Guardian to H. H. the Maharaja of Jaisalmer in 1894; was Subordinate Judge, First Class, at Ajmer till 1919 and was Sub-Judge and Judge, Small Causes Court, Beawar, till 1921; Judge, Small Causes Court, Ajmer, 1921-25; officiated as Addl. Dist. and Sessions Judge, retd., 1925; Senior Judge, Chief Court, Jodhpur, 1925; member, Leg. Assembly, 1924, re-elected, 1927 and 1930; was Dy. Leader, Nationalist Party in Legislative Assembly; was one of the Chairmen of the Leg. Assembly; presided over Indian National Social Conference at Lahore, 1929 and All-India Vaisak Conference at Bareilly in 1925; Diwan Bahadur, 1932; awarded Silver Jubilee Medal, 1935 and Coronation Medal; author of Child Marriage Restraint Act, popularly known as the "Sarda Act". Publications: Life of

Dayanand Saraswati; Hindu Superiority; Ajmer: Historical and Descriptive; Maharana Sanga, Maharana Kumbha, etc. Editor of the Dayanand Commemoration Volume. Commemoration volume was presented to him in Oct. 1937. Address: Harniwas, Civil Lines, Ajmer.

SARKAR, Mr. Justice Amal Kumar, Barrister-at-Law, Judge, High Court, Calcutta. b. June 29, 1901, s. of Kali Kumar Sarkar and Basanta Kumari; Educ.: Scottish Churches and Bangabasi Colleges; Univ. Law College. Practised as an advocate in the High Court, at Calcutta. Club: Calcutta Club. Address: 55, Bagbazar Street, Calcutta 3.

SARKAR, Sir Jadunath, Kt., C.I.E., M.A., Premchand Roychand Scholar, D. Litt., Hon. Member of Royal Asiatic Society (London), Hon. mem. American Hist. Assoc., Hon. F.R.A.S.B. Member of Indian Hist. Records Comm. (1919-41), Corr. Member, R. Hist. S. (London), Campbell Gold Medalist (Bom. Br. R.A.S.). b. Dec. 10, 1870; m. Kadambini Chaudhuri; Educ.: Presidency Coll., Calcutta. Vice-Chancellor, Calcutta University, 1926-28; Indian Educational Service (retd.); Professor of Modern Indian History, Hindu Univ. of Benaras (1917-19), Sir W. Meyer Lecturer, Madras Univ. (1928), Reader in Indian History, Patna University (1920-1932 and 1932). Publications: India of Aurangzeb—Statistics Topography, and Roads; History of Aurangzeb, 6 Vols.; Shiroji and His Times; Mughal Administration; Studies in Aurangzeb's Reign; Anecdotes of Aurangzeb; Chaitanya; India Through the Ages; Fall of the Mughal Empire, 4 Vols.; House of Shiroji. Edited Irvine's Later Mughals and Poona Residency Records. Address: 10, Lake Terrace, Calcutta 29.

SARMA, Debeswar, M.P. b. 1897, s. of late Tanqueswar Sarmah of Kenduguri, Jorhat, Assam; Educ.: Graduated from Cotton Coll., Gauhati; law degree from Ripon Coll., Calcutta. A sportsman, secured all Assam Tennis Championship Cup in 1916; joined Non-Co-operation movement, 1920; was imprisoned; took leading part in 1930-33 and 1940-42 movements and imprisoned; elected to Assam Leg. Assembly, 1937; elected Chief Whip of the Congress Party and then of the Congress Coalition Govt. in Assam, 1938; member, Tea Garden Labour Enquiry Cttee., Assam, 1938; offered Individual Satyagraha, 1940 and was imprisoned; was arrested, 9th Aug. 1942 and detained as Security prisoner till March 1945; elected Speaker, Assam Leg. Assembly, March 1946; resigned, Sept. 1947; Dominion Agent in Manipur State, Sept. 1947-June 1948; Pres. Assam P.C.C., 1949-50; member, Working Cttee., Indian National Congress, 1949-50; elected to the House of the People from Golaghat Jorhat Constituency, 1952, member Estimates Cttee. Address: Nehru Park, Jorhat, Assam.

SASTRI, Ballapinnai Nanjunda, M.Sc., A.B.C.S., A.I.I.Sc., F.I.A.Sc., Chief Editor, "Wealth of India", "CSIR News", "Journal of Scientific and Industrial Research", "Vignam Pragathi" and other publications of the Council of Scientific & Industrial Research, India b. Dec 5, 1905, of a Brahmin family of Sanskrit scholars and poets; m. Bhagratthamma; two s. and one d.; Educ.: Central College, Bangalore, B.Sc. (Mysore Univ.); Merit Scholar (Chemistry); Post-graduate research in Biochemistry at the Indian Institute of Science, Bangalore. M.Sc. (Bombay Univ.); Research Biochemist, Tea Research Institute, Ceylon (1930-32); Lecturer in Biochemistry, Indian Institute of Science, Bangalore (1932-42); Lecturer, History of Science & Scientific Method, Delhi Univ. (1946-49); Member, Documentation Cttee., I.S.I., since 1948; Publisher, Current Science (1932-42). Publications: Over 40 research papers in Biochemistry, Plant Physiology and Plant Products. Recreations: Study of Sanskrit classics. Address: Publications Division, Council of Scientific and Industrial Research, Old Mill Road, New Delhi 2.

SASTRI, M. Patanjali, B.A., B.L. (Madras Univ.), Ex-Chief Justice of India. b. Jan. 4, 1889, s. of Pandit Krishna Sastri, formerly Senior Sanskrit Pandit, Pachalyappa's Coll., Madras, m. Srimathi M. Kamakshi Ammal; three s. and four d.; Educ.: Pachalyappa's College and Law College, Madras; practised as Advocate in the High Court at Madras; elevated to the Bench, 15th March 1939; Judge, Federal Court, Dec. 6, 1947; Judge, Supreme Court, Jan. 26, 1950-51; Chief Justice of India, 1951-53. Address: 5, York Place, New Delhi.

SATHAYE, Dr. Diakar Dhondo, F.R.F.P.S. (Glas.), Ophthalmic Surgeon, Bombay and Poona. b. 1874, at Poona, s. of R. S. Dhondo Sakharam Sathaye, Executive Engineer, Madhya Pradesh; Educ.: Poona City School; Morris Coll., Nagpur; Grant Medical Coll., Bombay; Edinburgh, Glasgow, London, Berlin, Vienna. Congressman since 1891; Satyagrahi since 1919; Disciple of Dadabhai Nawroji, Lok. Tilak, Mahatma Gandhi; organised the First Labour Union of Railwaymen, 1917; is specially interested in public health and allied problems; founded in Bombay: Haji Bachooji Free Ophthalmic Hospital, Parel, 1914; Bhoomaya Poshetti, Ashanai Free Municipal Eye Hospital, Kamathipura, 1920; National Medical Coll., 1921; People's Free Hospital, 1922; Ayurvedic Dharmarthya Deyakhana Mandal, 1925 with seven free Ayurvedic Dispensaries; Congress Free Hospital, 1930; in Poona, Mahatma Gandhi Free Eye Hospital, 1948; Secy., Bombay National Union, since 1908; Indian Home Rule League, 1915; Bombay Provincial Congress Cttee., 1916; Influenza Epidemic Relief Cttee., 1918; Satyagraha Cttee., All-India Congress Cttee., 1919; Indian Medical Assoc.; Bombay Citizens Peace Cttee., 1928; member, Congress Deputation in England, 1919; edited Ophthalmic Bulletin; founded Bombay Ophthalmological Society. Publications: A book on Ophthalmology in Hindi and Marathi. Address: Ophthalmic Surgeon, 502, Narayan Peth, Poona 2.



SATHIANATHAIAH, R., M.A., L.T., Diploma in French, Professor of History and Politics and Dean of the Faculty of Arts, Annamalai University. b. Feb. 9, 1896, s. of P. V. Ramalar; m. V. S. Lakshmi Ammal (died, 1932); S. Ponnammal; three s. and two d.; Educ.: St. Joseph's Coll., Trichinopoly; Teachers' Coll., Saidapet, Madras. Research Scholar and Sankara Parvati Lecturer (1944), Univ. of Madras; Asst. Professor, St. Joseph's Coll., Trichinopoly; member: Indian Historical Records Comm. and Regional Records Survey Cttee., Madras; Syndicate, Senate and Academic Council, Annamalai Univ.; Chairman, Board of Studies in History and Politics, and Convener, Research and Publication Cttee., Annamalai Univ.; Hon. Correspondent, Madras Museum. Publications: History of the Nayaks of Madura, Studies in the Ancient History of Tondamandalam; A Political and Cultural History of India, 3 Vols. Address: 10, Professors' Quarters, Annamalai Nagar P.O. (S. India).

SAWANTWADI: Her Highness Rajmatoshri Fardatdevi Shensle of. b. 1907, g.d. of His late Highness Sayajirao Gaekwad of Baroda, m. Major H. H. Sir Khem Sawant V, the late Rajasahab of Sawantwadi in 1922; Educ.: Baroda; Bently Priory Girls' School, Middlesex, England. War invested with full ruling powers and appointed the Regent of the State, by the Crown till May 1947; successfully shouldered the responsibility with a view to following explicitly in the footsteps of her husband; was responsible for



considerable progress in all branches in the State administration; had taken special interest in medical relief, and in rural development in the State. Address: Sawantwadi.

SAWANTWADI: His Highness Raja Bahadur Shrimant Shivram Sawant Bhonsle, the Raja of. b. 1927; m. Princess Sarla Raje 2nd d. of H. H. the Maharaja of Baroda,



Dec. 8, 1951; Educ.: Doon School, Dehra Dun, Wadia College, Poona, had a long and strenuous course of military training. Succeeded to the *gadi*, 1937; was invested with full ruling powers, May 12, 1947; successfully held responsible posts in the military; has also acquired sufficient knowledge of administrative matters by undergoing training with the Commissioner, Southern Division, Bombay; has fallen in line with the rulers of other Indian States in having his State, with an area of 930 sq miles, a population of 252,170 and a revenue of Rs 10,34,597, merged into the Union of India; is a keen sportsman, an excellent musician, an artist, a soldier and an administrator. Address: Sawantwadi.

SAYED, Mr. Justice Saheer Ahmed, M.A., B.L., Puisne Judge, High Court of Judicature, Madras, since July 1949. b. Feb. 20, 1900 at Madras; m. Fatima Akhtar, B.A., 1941; three s. and two d.; Educ.: Madras Christian Coll. and the Madras Law Coll. A practising lawyer from 1925; Publicist from 1921; was Secy., Tamil Nad Provincial Congress Ctee. and the Madras Dist. Congress Ctee.; member, Madras Legislature, 1926-48, Madras Corporation for 5 terms, representing the National Congress Party; member, Madras Law Coll. Council since 1939; Syndicate and other authorities of the Madras Univ., since 1933; also of Annamalai Univ. for over 20 years; was member, Madras Bar Council for 2 terms; was on the Court of the Aligarh Univ. for 2 terms, Chairman, Southern India Education Trust, Madras; forceful speaker and debator in English, Tamil and Urdu. Address: "Sadhr Gardens", Alwarpet, Madras 18.

SCOTT, Sidney Murray, Branch Manager, Burnish Shell, Bombay. b. Feb. 17, 1908, s. of James Scott; m. Edith Mary MacDuff; one s. and two d.; Educ.: Dulwich Coll., London. Recreations: Golf, Tennis. Clubs: Royal Bombay Yacht Club, Delhi Gymkhana Club, Bombay Gymkhana Club. Address: Pedder House, Pedder Road, Cumballa Hill, Bombay.

SELWYN, Joseph Francis, Electrical and Mechanical Engineer, Industrialist and Government Contractor; Proprietor, Great Western Engineering Works, and Electro Engineering Co.; Director, Stainless Products Ltd. b. July 22, 1909, s. of Edward Francis Selwyn; Educ.: St. Xavier's and V. J. T. I., Bombay. Served indentured apprenticeship in the former G.I.P. Railway Electrical Dept.; widely travelled in European industrial centres, 1933; owns and personally manages large and well-equipped workshops specialising in structural construction and fabrication of railway equipment and fittings, welding plants and industrial equipment. Recreations: Driving, Racing, Swimming. Clubs: B.W. I.T.C., Catholic Gymkhana; W.I.A.A. Clubhouse, A.A. (England). Address: "Frapoonia", Dubash Estate Road, Colaba, Bombay 5.



SEN, H.E. Shri Binay Ranjan, C.I.E., I.C.S., Indian Ambassador to Italy and Yugoslavia, Rome. b. Jan. 1, 1898; m. Chiroprova Chatterjee (1931); Educ.: Calcutta and

Oxford Univ. Dist. Magistrate, Midnapore, 1937-40; Revenue Secy. to Govt. of Bengal, 1940-43; Director of Civil Evacuation, Bengal, 1942-43; Relief Commr., 1942-43; Director-General, Food, Govt. of India, Dept. of Food, New Delhi, 1943-45; Secy. to the Govt. of India, Dept. of Food, 1945-47; First Counsellor and Minister to the Embassy of India in the U.S.A., 1947; Secy., Ministry of Agriculture, Govt. of India, 1948; Charge d'Affaires ad interim and Minister Plenipotentiary to the Indian Embassy in Washington till Feb. 1950; Indian Ambassador to Italy and Yugoslavia, Feb. 1950-Nov. 1951; Indian Ambassador in U.S.A., 1951-52. Address: Embassy of India, Rome.

SEN, Mrs. Hannah, B.A. (Hons.), B.L. (1st Class) (Calcutta Univ.), Teachers' Diploma (London), Hon. Development Secy., Lady Irwin College, New Delhi. Principal, New High School for Girls,



Bombay, 1922-25; was in England, closely associated with British women's organisations and engaged in activities of a socio-political character, 1925-32; was invited to return to India to take charge of the Lady Irwin College, New Delhi, which was about to be established in 1932; its Directress till Nov. 1947; is deeply interested in educational problems and women's activities; Patron, All-India Women's Conference, member, Central Maternity and Child Welfare Bureau; Central Ctee. of the All-India Conference of Social Work; Executive Board of the All-India Assoc. for Moral and Social Hygiene; Nursing Council of India; United Council for Relief and Welfare, recently as Chairman of the Clothes Collection and Work-Parties Sub-Ctee. of the United Council for Relief and Welfare, she was engaged in intensive relief work in an endeavour to meet the clothing requirements of millions of displaced persons and victims of disturbances, as Hon. Adviser to the Ministry of Relief and Rehabilitation, helped to rehabilitate the several thousands of unattached and destitute women and children, who came to India in the wake of the partition, Hon. General Secy., Indian Council for Child Welfare; attached to the United Nations' Educational, Cultural and Scientific Organisation, as member, Executive Board and the Text Book Ctee. of the Indian National Commission; acted as one of the representatives of the Indian Conference of Social Work at the International Conference of Social Work held in Atlantic City and New York, 1947; Sole Representative of the All-India Women's Conference, of which she was a Vice-Pres., at the U.N.O. Conference of Non-Governmental Organisations in Geneva, May 1947; has been selected by the Govt. of India to represent India on the U.N. Commission on the Status of Women. Publications: The Section of Education in *Our Cause* published by Kitabistan as well as several articles in educational and social welfare journals. Address: 5, Sikandra Road, New Delhi.

SEN, Kahitish Chandra, B.A. (Calcutta), 1909, B.A. (Cambridge), 1912. Ex-Pres., Industrial Court, Bombay. b. 1888; m. Lila Das Gupta, Educ.: Presidency Coll., Calcutta, and Trinity Hall, Cambridge. Joined I.C.S., 1913; Assistant Collector, Nasik and Dharwar districts, 1913-20; Assistant Judge, Dharwar, Sholapur, Khedesh and Thana districts, 1920-25; Assistant Remembrancer of Legal Affairs and Secretary to Legislative Council, 1923-24; Deputy Secretary, Legal Department, 1924-25; District and Sessions Judge, Thana and Kamara districts, 1923 and 1925-28; Registrar of High Court, Appellate Side, 1928-31; District and Sessions Judge, Hyderabad (Sind), 1931-34; Remembrancer of Legal Affairs, 1935-37;

officials as Judge, High Court of Bombay in 1934, 1936 and June 1937 to February 1939; Additional Judge, High Court of Bombay, March 1939 to 1941, when confirmed as a permanent Judge; retired from High Court, October 1948. Address: Mafatlal Park, Bhulabhai Desai Road, Bombay.

SEN, Kahitish Chandra, D.Sc., Fellow of the National Institute of Sciences of India, Vice-Pres., Indian Dairy Science Association; Director of Dairy Research, Govt. of India. b. January 31, 1899; Educ.: Rangabasi College, Calcutta; Muir Central College, Allahabad; Biochemical Laboratory, Cambridge; Rowett Research Institute, Aberdeen. Demonstrator, Chemistry Department, Allahabad Univ., 1924-29; Biochemist, Indian Veterinary Research Institute, Mukteswar-Kumaon, 1929-36; Officer-in-charge, Animal Nutrition Section, Indian Veterinary Research Institute, Izatnagar, 1936-44; Director, Indian Dairy Research Institute, Bangalore since 1944. Publications: Over 100 original papers in colloid chemistry, general biochemistry, animal nutrition and dairy science; Author of a monograph on *Animal Nutrition Research in India* (in Press). Chief Editor, Indian Journal of Dairy Science. Club: Bangalore Club. Address: Indian Dairy Research Institute, Bangalore.

SEN, Dr. Nikhilaranjan, D.Sc. (Cal.), Dr. Phil. (Berlin), F.N.I., Ghosh Professor of Applied Mathematics, University of Calcutta. b. May 28, 1894; s. of Kalimohan Sen, Pleader, Dacca (East Bengal); m. Binarani Sen, d. of N. C. Sen, Barrister, Rangoon, and g. d. of Nabinchandra Sen, Bengali Poet; two s. and one d.; Educ.: Dacca Collegiate School; Rajshahi Collegiate School and College; Presidency College, Calcutta (1911-15); Universities of Munich and Berlin. Joined University College of Science, Calcutta as lecturer in Applied Mathematics (1917); elected to Ghosh Chair in Applied Mathematics (1923); (foundation) Fellow, National Institute of Sciences of India. Publications: Contributions to research journals on Relativity and Astrophysics. Address: University College of Science and Technology, Calcutta.

SEN, Satiswar, M.A. (Calcutta), D.Litt. & Phil. (Amsterdam), Professor & Head of the Dept. of Philosophy, Andhra University, since 1932. b. June 29, 1897, s. of Ekkari Sen and Kunjakamini Devi; m. Renu Devi; one s. and one d.; Educ.: Calcutta Univ. (Oriental Seminary, Scottish Church Coll. & Univ. Coll.); Amsterdam Univ. Lecturer in Logic, Uttarpara Coll., 1924-25; District Inspector of Schools, Bengal Edn. Service, 1926-29; Reader in Philosophy, Annamalai Univ., 1929-32. Publications: *A Study on Mathuranatha's Tatvacintamantrahasya*, *Bharatirtha's Vivaranapramayasangraha* (in collaboration with S. S. Sastri); *Sankhya Darshana* (in collaboration with K. S. Sastri); Several articles in learned journals. Club: Vizagapatam Century Club. Address: Maharanipeta P.O., Vizagapatam.

SEN, Sukumar, B.A. (Calcutta), Chief Election Commissioner, Govt. of India, since March 1950. b. Jan. 2, 1898, s. of late Akahoy Kumar Sen, Retired Bengal Civil Service; m. Gouri Sen, d. of late Jagadish Chandra Sen, Retired District Judge, Bengal; two s. and two d.; Educ.: Presidency College, Calcutta and Univ. College, London. Passed I.C.S., 1921; joined Service, 1922; S.D.O., Chudaganj (Nadia) and Bealgunj (Pabna), 1924-27; District & Sessions Judge, 1928-47; Chief Secy., West Bengal, Aug. 1947-March 1950; organised and conducted the first general elections in India on universal adult suffrage in 1951-52; Chairman from March 1953, Sudan Electoral Commission, Khartoum, for the duration. Recreations: Tennis. Clubs: Calcutta Club and Delhi Gymkhana Club. Address: 3, Sadarjung Road, New Delhi.

SEN, Mr Vaha Nath, Kt. (1944), O.B.E. (1931); Adviser, Press Trust of India, New Delhi. b. 6th October, 1880; Educ.: Ripon College, Calcutta. Address: The Western Court, New Delhi.

SENGUPTA, Menoranjan, B.Sc. (Cal.), B.Sc. (Eng.) (Hons.) Glas., C.P.E. (Glas.), M.I.E.E. (Lond.) M.I. Mech. E. (Lond.), M.I.E. (Ind.), F.I.P.S. (Ind.), Univ. Professor and Head of the Dept. of Electrical Engineering and Principal of the Engineering College, Benares Hindu Univ. b. June 28, 1908, at Rangpur, Bengal; Educ.: Rangpur Zilla School, Bengal; Ananda Mohan College, Mymensingh; Rajshahi College, Bengal; Glasgow University. Prof. & Head of the Dept. of Electrical Engineering, Bengal Engineering College, for over ten years; Principal, Engineering College, Benares Hindu Univ. and Officer-in-Charge, Technical Training Centre, Dept. of Labour, Govt. of India, since September 1944; Member, Board of Studies in Engineering and Metallurgy Section, All-India Council of Technical Education; Different Boards of Studies of various Universities; Development Board, Post-war Reconstruction Scheme, Govt. of Bihar; Development Board, Roorkee Univ. Publications: Several scientific papers read and published. *Statistics for Engineering Production in India*, indicating uses of raw materials available in the country. *Utilisation of Photo Electric Tubes in Industry, Modern Traction System; Training of Post-graduate Engineers; Design and Performance of High-gain Amplifier; Comparison of British Grid System with other existing Transmission Systems in the World*. Presidential Address delivered at the Annual Conference of the Indian Science Congress at Allahabad as Pres. of its Engineering and Metallurgy Section, 1949. Address: Banaras

SESHACHAR, Rajasevasakta (1916), Diwan Bahadur (1931), K. R., B.A., B.E., M.L.C., Retired Chief Engineer, Mysore b. Nov. 1, 1870, in a village in Hasacote Taluk, Bangalore Dist.; Educ.: Had a brilliant academic career; B.A. from Central Coll., Bangalore, 1892; C.E. of the Coll. of Engineering, Madras, 1896; B.E. (Madras Univ.), 1897. Joined Mysore P.W.D. service, 1898; rose from the grade of Sub-Assst Engineer to Chief Engineer, 1924; Organizer and Principal, Coll. of Engineering, Bangalore, 1917-23; worked in preparing Krishnarajasagara Reservoir and Canal Projects and in executing those works, 1910-23; awarded the titles of Rajasevasakta by the Mysore Palace and Diwan Bahadur by the Govt. of India, for the successful completion of the above works; retired from Govt. service, 1931; has been working on several Engineering Cities since then, nominated M.L.C., Mysore, 1952-3 Address: No. 34, 3rd Cross Road, Basavangudi, Bangalore.



SETALVAD, Venkatrao Chimanlal, B.A., LL.B., Managing Director, The Industrial & Prudential Assurance Co. Ltd. and Director-in-charge, The Vulcan Insurance Co. Ltd. b. 1897, s. of late Sh Chimanlal H. Setalvad, K.C.I.E., Advocate, High Court and Lady Krishnagauri; m. Smt. Jasumati, d. of Dhrajlal Thakore, Bar-at-law; two s., Anant and Harendra; Educ.: Wilson Coll. and Govt. Law Coll. Bombay. Member: Bombay Municipal Corporation, 1930-33; Schools Cttee., 1930-39; Committee of the Western India Automobile Assoc.; was at one time its Pres.; was for some time member, Film Censor Board, Govt. of Bombay; has been Secy., Radio Club for a long time; Pres. for two years; was Hon. Presidency Magistrate for a long time. Club: Radio Club. Address: Setalvad Bungalow, 9, Setalvad Road, Nepean Sea Road, Malabar Hill, Bombay.

SETH, Kunj Beharilal, M.A., B.Sc., LL.B., I.C.S., Chief Secretary to Govt., Madhya Pradesh. b. 1895, s. of Mohanlal Seth; m. Shrimati Mahalakshmi Seth; Educ.: Nagpur and Oxford. Assistant Commissioner, District and Sessions Judge, Deputy Commissioner, Senior Deputy Registrar, Co-operative Societies, Revenue Secretary to Govt., Prime Minister, Alwar State, Prime Minister, Kotah State, Commissioner, Chattisgarh Division, and Administrator, Mataya Union. Club: Gondwana Club, Nagpur. Address: "Nilaya", Amraoti Road, Nagpur

SETHI, Seth Lalchand Balchand, Rai Bahadur Vanilja Bhushan, Jain Ratna, Tajir-ul-Mulk, Tasimi Sardar and Jagirdar of Jhalawar State now merged in Rajasthan Union, Banker and Millowner. b. 1893, s. of Seth Balchandji; m. Ratna-prabha, d. of Sir Hukumchand, Kt., Indore, 1910, one s. Lt. Bhupendra Kumar, B.A. Head of the firm of Seth Binodiram Balchand, Bankers, Managing Agents, the Binod Mills Co. Ltd. (including Deepchand Mills); Narendra Chemical Works; Bhupendra Iron and Metal Works & other concerns; President, All-India Khandelwal Digamber Jain Mahasabha, 1919; President, The Municipal Board, Ujjain, 1935-1947; The Cotton Merchants' Association; Vikram Education Public Trust; Yuvraj General Library, Ujjain; Vice-President, The Forward Cotton Association; The Chamber of Commerce, Ujjain; The Hindi Literary Society of Central India, Indore; The Digamber Jain Sabha, Malwa; General Secretary, The Rajputana Hindi Sahitya Sabha, Jhalrapatan City; Managing Director and Chairman, Board of Directors, The Binod Mills Co. Ltd., Ujjain; Director, The Hukumchand Mills Ltd., The Central India Insurance Co. Ltd., Indore, The Vulcan Insurance Co. Ltd., Bombay, New Manekchowk Spinning & Weaving Mills Ltd., Ahmedabad; Chairman, Managing Board, Model High School, Ujjain; is a regular contributor to charitable institutions. Recreation: Reading. Clubs: The Cricket Club of India, The Willingdon Sports Club, The Radio Club, Bombay; Jiwalji Club, Gwalior; Shri Yeshwant Club, Indore; Shri Madhav Club, Ujjain. Address: Binod Bhawan, Ujjain (M.B.).

SETHI, Ram Lal, Rai Bahadur, M.Sc. (Punjab), 1917; B.Sc., Agriculture (Edin.), 1921, I.A.S., Director, Institute of Plant Industry, Indore, since Jan. 1953. b. April 20, 1894; Educ.: Govt. College, Lahore and Univ. of Edinburgh Economic Botanist to Govt., U.P., 1922-36; Secy. Adviser to Sir John Russell, 1936-37; Assistant Agricultural Commissioner, Govt. of India, 1937-40; Professor of Agriculture and Principal, Govt. Agricultural College, Kanpur, 1941; Cane Commissioner to Govt., U.P., 1941-45; Director of Agriculture, Sind, 1945-47; awarded title of Rai Bahadur, June 1937; Agricultural Commr to the Govt. of India, 1947-52 Publications: About twenty-four scientific papers on different subjects. Address: Director, Institute of Plant Industry, Indore.

SETNA, Dr. Minocher Jehangirji, Ph.D. (Bom.), Philosopher, Writer, Professor and Counsel. b. November 1, 1911, s. of late Dr. Jehangirji Muncherji Sethna, D.V.S., (U.B.V.C.), Professor of Biology; Educ.: Master's Tutorial High School, Wilson College, The Bombay University and at Middle Temple, London. Is a Professor at Govt. Law Coll., Bombay, a keen writer and a scholar who has dedicated his life to writing and to philosophical research. Publications: *Society and the Criminal; a Standard Text Book on*



Indian Company Law; a Standard Text Book on Indian Mercantile Law; Civil Wrongs and Their Legal Remedies; and some philosophical writings Address: Sethna House, 251, Tardeo Road, Bombay.

SEAH, Anabhai Narottamdas, B.A. (Bom.), B.A., LL.B. (Cantab.), Bar-at-Law, President, Income-tax Appellate Tribunal, Bombay. b. September 29, 1896, s. of N. K. Shah, retired Suba, Baroda District and Mrs. N. K. Shah; m. Kamla Banker; one s. and two d.; Educ.: Baroda College; Riphinstone College, Bombay, Queen's College, Cambridge; passed I.C.S. Examination in 1920 and returned to India in 1921. Assistant Commissioner, Madhya Pradesh; Under-Secy. to Govt., Madhya Pradesh; Deputy Commissioner; Town Settlement Officer; Registrar of Co-operative Societies and Director of Industries; District and Sessions Judge, Nagpur; Legal Remembrancer and Secy. to Govt., Madhya Pradesh, Legal Adviser to the Military Governor, Hyderabad (Deccan). Recreation: Club games. Clubs: Gondwana Club, Nagpur; Willingdon Sports Club, Bombay. Address: Mafatli Park, Warden Road, Bombay 26.

SEAH, Amritlal Popatlal, B.A. (Hons.), Dewan, former Lunawada State (Gujarat), b. June 11, 1906; m. Miss Shantadevi, d. of Lallubhai N. Shah; Educ.: Dhandhuka High School, Dhandhuka, Bahaudin College, Junagadh. Brilliant career both at the High School and College. A good speaker and debater. Won several elocution prizes at the College. Advocate, High Court of Judicature at Bombay. Joined Lunawada State Services in 1929 under British Administration. Worked as Revenue Officer, Customs Officer, Excise Secretary, Special First Class Magistrate & Nyayadshah, and member of the Executive Council. His services were taken on loan by the Balasnor State in 1935 as Office Superintendent; won the love and esteem of people there and reverted to Lunawada State service again; satisfied all concerned including the Ruler and the ruled and appointed Dewan on March 18, 1944; conducted the administration efficiently during the Ruler's absence on the Italian front; retired on the dissolution of the Executive Council by the Lunawada Govt. on the eve of constitutional and political changes; awarded the grant of "Double Tasim" in recognition of his long service to the Ruler and subjects of Lunawada; has studied and expanded the industries in the State; is working as the Secretary, Saurashtra Millowners' Association; has been reorganizing the office on modern lines and his work has been greatly appreciated by the Millowners. Address: Shiv Kunj, Behind Jani Building, Jorawarnagar (Saurashtra).



SEAH, Babubhai Bhailal, B.Com (Bom.), Partner, Bharat Rope & Lace Manufacturing Co., Ahmedabad. b. June 1, 1921, s. of Bhailal Bulakhidas Shah and Smt. Parvati Bhailal Shah; m. Smt. Sarojnee, one s.; Educ.: H. L. Coll. of Commerce, Ahmedabad. Joined his father's business, 1945; is deeply interested in manufacturing cotton ropes and bandings, cotton spindle tapes, etc., formed and established the firm of Praashant Gautam & Co., 1949; established branches of Bharat Rope & Lace Mfg. Co. in Bombay, Indore, Kanpur, Delhi, Calcutta, Amritsar and Jaipur. Address: 1138, Devji Saraiya's Street, Sankadi Shery, Ahmedabad



SHAH, Chandulal T., Hon. Presidency Magistrate & J.P., Chief Agent, Crown Life Insurance Company (of Canada). b. in Wadhwan, Jan. 29, 1906. After completing his education, entered



insurance business in 1926 as independent Chief Agent for several British and American Fire Insurance Companies; joined "Crown Life" in August 1931; appointed as Chief Agent for Bombay Presidency in 1932; admitted into partnership in the Chief Agency for the All-India Organisation of the Company in Jan. 1936; Deputy Manager for India & Ceylon, 1945; takes keen interest in social activities and contributes generously to deserving causes, his total charities so far amounting to over Rs. 2,00,000; has recently donated Rs. 10,000 to Dr. Balabhai Nanavati Hospital and Rs. 15,000 to the Kumarika Stree Mandal, Vile Parle; Rotarian, Freemason, Lodge Aryan, Lodge Bombay and Lodge J.P. Member of Managing Cttee. of various social, charitable and educational institutions. **Clubs**: Bombay Presidency Radio Club Ltd.; Rotary Club; C.C.I.; Krishna Hindu Merchants. **Address**: (Residence) "Kum Kum," Opp. Aerodrome, Vile Parle, Bombay 24; (Office) Fazalbhoy Bldg., Flora Fountain, Fort, Bombay 1.

SHAH, Himatlal Mohanlal, Prominent Paper merchant, Bombay; Proprietor, Himatlal & Co. b. Feb. 9, 1916, at Cambay; **Educ.**: Cambay High School; St. Xavier's Coll., Bombay. Started his career as an Assistant in a firm dealing in paper; joined another paper-firm as a partner, 1940; started his own business in paper under the name and style of Himatlal & Co., 1943; toured Europe, U.K., U.S.A. and Canada several times for business purposes; has donated to many charitable institutions and worthy causes; member: Indian Merchants' Chamber; Paper Traders' Association; Indian Stock Exchange. **Clubs**: C.C.I.; National Stadium, Delhi; W.I.A.A.; National Sports Club. **Recreations**: Badminton; travelling. **Address**: Himatlal & Co., 26, Noble Chambers, Parsi Bazar Street, Fort, Bombay.



SHAH, Mr. Justice Jayantilal Chhotalal, LL.B., Judge, High Court, Bombay. b. Jan. 22, 1906, s. of Chhotalal A. Shah and Ruxmani C. Shah; m. Mrs. Madhuben J. Shah; two s. and two d.; **Educ.**: R. O. High School, Ahmedabad; Gujarat Coll., and Elphinstone Coll., Bombay. Practised at Ahmedabad District Court and at Bombay High Court. Advocate (O.S.). **Clubs**: Orient Club; W. I. A. A. Club. **Address**: Flat No. 2, Shangri-La, Carmichael Road, Bombay No. 26.

SHAH, Jayvaden Anupchand, B.Sc. (Econ.) (Lond.). Bar-at-Law, I.F.S., First Secy. (Commercial), High Commission of India, London, since May 5, 1952. b. Nov. 20, 1906, s. of Anupchand M. Shah and Manek Shah, m. Vidya M. Kapadia; one s. and one d. **Educ.**: France and later in the London School of Economics and Middle Temple; called to the Bar, 1931. Joined the Bombay Bar and practised for 16 years till April 1949; joined Indian Foreign Service, April 1949; appointed First Secy. (Commercial), Embassy of India, Rome; First Secy., Embassy of India, Rio de Janeiro, Aug. 1950-Jan. 1951; was made Envoy Extraordinary and Minister Plenipotentiary for the occasion of President Getulio Vargas's inauguration; Charge d'Affaires, Embassy of India, Rio de Janeiro 1951. **Address**: India House, Aldwych, London W.C. 2.

SHAH, Manharlal Mansukhlal, B.Sc. (Hons.), B.Sc. (Tech.), Minister for Finance, Govt. of Saurashtra. b. Nov. 1, 1915; m. Shrim. Vidyaben Mehta, B.A.; two s. and one d.; **Educ.**: Baroda Coll., Baroda; Royal Institute of Science, Bombay. Served in high technical and administrative posts in the Delhi Cloth & General Mills Co. for over 12 years. **Address**: Rajkot.

SHAH, Chief Justice Mohanlal Chuntlal, B.A., LL.B., Chief Justice, High Court of Saurashtra. b. Dec. 30, 1898; has one s., Madhusudan M. Shah; **Educ.**: Wilson Coll., Bombay. Taken up in Bombay Judicial Service, July 1925; appointed Asst. Judge & Additional Sessions Judge, April 1939; District and Sessions Judge till Oct. 1947; was member of the Industrial Court, Bombay, Oct. 1947 to end of Dec. 1950; was appointed Judge, Saurashtra High Court. **Address**: Chief Justice's Bungalow, Rajkot.

SHAH, Mohanlal L., Prominent business man and industrialist of Calcutta. b. August 1892. Partner in the firm of Managing Agents, for The Mohini Mills, Ltd. Nos 1 and 2 and Chhimanlal Vadilal & Co.; Ex-President, Indian Chamber of Commerce and Bengal Mill-owners' Assn., Calcutta; Director of several banking, jute, tea and insurance institutions in Calcutta; Pres., Bengal Millowners' Assn. and All-India Organisation of Industrial Employers; Member: Cttee. of the Federation of Indian Chambers of Commerce and Industry; Cotton Textiles Fund Cttee.; Indian Companies Law Amendment Cttee.; Cotton Advisory Board; Ex-Commissioner for the Port of Calcutta; Member, West Bengal Textile Advisory Board; West Bengal Provincial Civil Supplies Advisory Board; Assessor to the Industry and Trade Panels of the Railway Rates Tribunal, etc.; takes great interest in social and cultural activities. **Address**: 22, Canning Street, Calcutta.



SHAH, Ramanlal Nathalal, B.E. (Civil) (Bom.). Contractor and Engineer; Partner, Shah Mehta & Co. b. Sept. 15, 1909, s. of Nathalal Mansukhlal Shah; m. Smt. Taralaxmi Maganlal Shah; three s. and four d.; **Educ.**: Ahmedabad and Karachi; graduated in Civil Engineering, Bombay Univ. from Karachi N.E.D.C.E. Coll., 1930. Working as Civil Engineer and Contractor for Roads, Buildings, Bridges, etc. In the name of Shah Mehta & Co., since 1931; carried out important works like Coll. of Agriculture, Govt. Housing Colony, Ahmedabad, Ananthashram Buildings, Ahmedabad, etc.; Municipal and Govt. Contractor. **Address**: Jamalpur, Tokresha's Street, Ahmedabad.



culture, Anand, Govt. Housing Colony, Ahmedabad, Ananthashram Buildings, Ahmedabad, etc.; Municipal and Govt. Contractor. **Address**: Jamalpur, Tokresha's Street, Ahmedabad.

SHAH, Ratilal Dahyabhai, J.P. and Hon. Presidency Magistrate; prominent business man, Bombay. b. 1910 at Manas (Gujarat). Entered business at the young age of 21; has made his mark in the yarn trade having been a member of the Managing Cttee. of the Yarn Merchants' Assn., since its inception; Vice-Pres., 1937-46 and Pres., 1947-48 and 1949-50; has ventured into foreign trade, having founded Ratilal D. Kheteey & Co.; has been associated with many important commercial organisations in the city in various capacities, chief among which was his work as Hon. Secy. and



Treasurer of the All-India Cloth & Yarn Federation in 1943 and 1944 and services rendered to the trade as a member of the Govt. Advisory Cttee. on yarn distribution, 1945-47; represented the Assn. on the Cttee. of the Indian Merchants' Chamber, Bombay, 1937; was member, Standing Cttee. of Shri Jain Swetamber Conference, Bombay, 1941-50; also member, Editorial Advisory Board of the Industrial & Commercial Publishing Co., Calcutta for some time; was Secy., Manas Mahajan Panjarapole, Bombay for 10 years; Patron, Shree Bombay Jain Swayamsevak Mandal. **Address**: Hanuman Bldg., Tambakanta, Bombay 3.

SHAH, Sankalchand Kalidas, Business man.

b. Sept. 10, 1916; m. Smt. Kantabhen; two s. and one d. **Educ.**: Privately. **Address**: C/o India Rope Manufacturing Co., Companywala Market, Kapadia Bazar, Ahmedabad.



SHAH, Shantilal Harjivan, B.A., LL.B., Minister for Labour and Public Health, Govt. of Bombay; Solicitor. b. July 30, 1898; m. Hiralaxmi; one s. and two d.; **Educ.**: Gujarat Coll., Ahmedabad; Elphinstone Coll., Bombay. Congress worker in the Bombay Suburban District; was convicted and jailed for 18 months, 1932 and for 9 months, 1941; arrested and detained for 33 months, 1942; member, Bombay Legislative Assembly; Partner, Messrs Bhaisanker Kanga and Urdharlal, Solicitors, Bombay; Managing Trustee, Saurashtra Trust. **Address**: Secretariat, Bombay.

SHAH, Soomatchandra S., Managing Director, Kooverji Devshi & Co., Ltd. b. June 30, 1905, s. of Shivji Devshi Shah, Social Worker, Author and Theologian; m. Smt. Narula, Gujarati Novelist, Bombay; two s. and one d. After completing his education, joined his father's business and developed it to its present position, has travelled widely in India; member: Assn. of Merchants and Manufacturers of Textile Stores and Machinery; Indian Standards Institution. All-India Manufacturers Assn. **Clubs**: Hindu Gymkhana, W.I.A.A. Club House Ltd. **Address**: 164, Lohar Street, Bombay 2.



SHAHANI, Ram Tejmal, M.A. (Bombay), Secretary to the General Manager, Central Railway, Bombay, since Jan. 1949. b. Dec. 19, 1915; m. Dolly Thadani, d. of N. P. Thadani, I.C.S.; two d., Rekha and Gita; **Educ.**: Samaldas Coll., Bhavnagar. Appointed to the Indian State Rly. Service, Sept. 1941; promoted Dist. Officer, Jan. 1945; worked in the various branches of the old G.I.P. Rly. in Bhusawal, Jabalpur, Jhansi and Bombay; Secy., Rly. Staff Benefit Fund; Rly. Staff Councils; Local Advisory Cttee., Bombay; Managing Editor, Central Rly. Magazine, since Jan. 1950. **Recreations**: Tennis, Badminton, Billiards, Cards. **Clubs**: Bombay Presidency Radio Club; National Sports Club of India. **Address**: C/o General Manager, Central Railway, V.T., Bombay.

SHAHMIRI, Mr. Justice Khwaja Musaffar-ud-Din Ahmad, B.A. (Hons.), LL.B. (Punjab), LL.M. (London). Bar-at-Law, Judge, High Court, Jammu and Kashmir and Constitutional Adviser to the State and Constituent Assembly. b. March 23, 1898, s. of Maqbul Feroze-ud-Din Ahmad Shahmiri, Vakil, High

Cougt, Kashmir; m. Zuhra Bano; four s. and one d.; *Educ.*: S. P. Coll., Srinagar; Law Coll., Lahore (Punjab Univ.); King's Coll.; Univ. Coll.; London School of Economics; School of Oriental Studies, London, and Inns of Court (Middle Temple); Lord Hardinge and Mannersmith Gold Medals (S. P. College, 1921); Kashmir Govt. Scholar, 1918-21; Punjab Govt. Scholar, 1921-23; LL.B. First Class (1925); Foster Campbell Prize, Hilary Term, 1930; First Class first in Hindu and Mohammadan Law, Trinity Term, 1930. Pleader and Vakill, High Court, 1923-29; Public Prosecutor, 1928-29; Special Sessions Judge, Naushera and Mirpur, 1932-33; Sessions Judge, Mirpur, 1940; deputation to Madras for Legal Drafting, 1941-42; Law Secy. and Legal Remembrance to Govt., 1942-43; Chief Secy. to Govt. (March-June 1942); Governor, Jammu Province, 1944-45; Chief Secy. to Govt., Aug.-Oct. 1945; Director and Controller-General of Civil Supplies, Textile Commissioner and Ex-Officio Supplies Secy., 1945-47, Governor of Kashmir Province, 1947-48; Dist. and Sessions Judge, Kashmir Province and then of Jammu Province, 1948-49, Member, Leg. Assembly, 1934-47; Senator and Syndic, Jammu and Kashmir Univ. *Recreations*: Badminton; walking. *Clubs*: Amar Singh Club, Srinagar and Jammu. *Address*: Judge, High Court and Constitutional Adviser, "Chaman", Aerodrome Road, Srinagar.

SHAIKH, Mahmood Hasan Khan Haji, Khan Bahadur, Landlord, Hon. Magistrate, Dist. Patna, Bihar; Member, Legislative Assembly, Deputy leader of Opposition in Bihar Assembly and Leader of Muslim League Group in Assembly. b. 1898; m. Musammat Bibi Mariam-un-Nisani; *Educ.*: M.A.O. College, Aligarh, U.P. Was Chairman of the Barh Municipality, Chairman of the Local Board, Secretary of the Central Co-operative Bank, Barh; Director of the Provincial Co-operative Bank, Bihar and Orissa; Member of the Patna District Board; Secretary of the Bayley H.E. School, Barh and Secretary of male and female hospitals; founder of the Lucas Moslem Girls' Schools; Family enjoys the hereditary title of "Khan" from the time of Shah Alam II, Moghul Emperor, and had been granted considerable landed properties with 10,000 cavalry and infantry; his ancestors were among the last Governors of Bihar, Finance Ministers and Commanders-in-Chief in Moghul Emperors' time; Khan Sahib (1924). *Address*: Khan Bahadur Mahmood Garden, Barh, District Patna, Bihar.

SHANKAR, Vidya, M.A., I.C.S., Jt. Secy. to the Ministry of Defence since Aug. 1952. b. November 10, 1909 at Partabgarh (Oudh), s. of Rai Bahadur Avadh Behari Lal and Kaushalya; m. Kantirani, d. of Rai Bahadur Ganga Nath; two d.; *Educ.*: Govt. High School, Partabgarh (Oudh); D.A.V. College, Kanpur; Univ. School of Arts, Allahabad and St. John's College, Oxford. Appointed to I.C.S. (1933); Asstt. Collector, Dharwar (1933-37); West Khandesh (1937-38); Poona (1938-39); Under-Secy. to the Govt. of Bombay, Rev. Dept. (1939-40); Dy. Secy., Finance Dept. (1940-41); Under-Secy. to the Govt. of India, Home Dept. (1941-43); Deputy Secy. (1943-46); Private Secy. to the Home Member (1946-47); Private Secy. to Hon. the Dy. Prime Minister, Aug. 1947-50; Jt. Secy., Ministry of States, March 1948-Aug. 1952. *Recreations*: Tennis, Books, Badminton, and other games. *Clubs*: Delhi Gymkhana Club, Cricket Club of India, B.W.I.T.C., National Sports Club of India. *Address*: 27, Safdarjang Road, New Delhi.

SHANKARSHASTRI, Narasinhbhabstri Pandit, Jodhpur, Jyotir Vidyabhar-kar conferred in the annual meeting of Sanskrit Sabha at Benares, Bishnugmani, Phalitacharya, Sanskrit Parishad, Rawah,

1950-51, "Daivajnamukutalankar". Kaiser-i-Hind (Bronze Medal), 1942; Astronomer, Astrologer and Landlord. b. Dec. 19, 1884; m. Annapurnabai, d. of Vedamurti Chendramadixit of Laxmeshwar; *Educ.*: Hosaritti; Compiler of the Annual Indian Calendar known as "Hosaritti Panchang". *Publications*: Annual Indian Calendar; *Bhamini-Dipika in Sanskrit* (a treatise on Astrology); *Kalachandrika in Sanskrit*, *Nanhita Tajak-Sara* (a treatise on Astrology) with Commentary in Marathi; *Daivajna-Ratnakar* in Sanskrit (a treatise on Astrology); *Griha-Ratna-Mala* in Sanskrit (a treatise on Astronomy). Water-diviner in Sanskrit; History of Canopus (Agastya Star); History of Ursa Major (Saptarshi Malika); Life of His Holiness Tembe Maharaj; Life of Pant Baleskundri Maharaj of Belgaum. *Address*: Haveri, Dharwar Dist.

SHANNON, Godfrey E. B., C.M.G. (1951), Deputy High Commissioner for the United Kingdom, Calcutta, since 1950. b. Dec. 14, 1907, s. of late W. B. Shannon; *Educ.*: Wellington and St. John's College, Cambridge. Appointed to Dominions Office, 1930; Official Secy., United Kingdom High Commissioner's Office, Wellington, New Zealand, 1939-41; Deputy High Commissioner for the U.K. in Canada, 1948-50. *Clubs*: United Univ., London; Bengal Club; Calcutta Club, Calcutta. *Address*: 1, Harrington Street, Calcutta 16

SHANTILAL, Mangaldas, B.A. (Bom.), Managing Director, The Jehangir Vakil Mills Co., Ltd., Ahmedabad. b. 1901. Managing Director: New Jehangir Vakil Mills Co., Ltd., Bhavnagar, Navjivan Mills Ltd., Kalol (N.G.); Director of several other concerns; Pres.: Saurashtra Millowners' Assoc.; Ahmedabad Millowners' Assoc. for 1946; Member, Executive Cttee. of the Federation of Indian Chambers of Commerce and Industry; Sitting Member, Senate of the M. S. Univ. of Baroda; Member, Senate of the Univ. of Bombay, 1923-43; attended the Textile Cttee. meetings of the International Labour Organisation at Brussels, 1946 and at Geneva, 1948 as Employers' delegate; takes interest in social work and education. *Address*: Near Police Lines, Shah-i-Bag, Ahmedabad.



SHARMA, Achaleshwar Prasad, Veteran Congressman and Journalist, Jodhpur. b. June 1908, of an orthodox Puskarika family; *Educ.*: Completed his early education, 1923. Teacher, Education Dept., 1923-28; Asstt. Editor, *Tarun Rajasthan*, Beawar, 1929; took leading part in Salt Satyagraha movement at Ajmer and jailed for 1½ years; joined subsequent Satyagraha movements and confined several times in Ajmer jail; participated in the historic Bijolia (Mewar) agrarian movement, 1931; sentenced to hard labour for several months; edited *Sainik (Ajmer)*, *Nava Rajasthan* (Akola) and *Rajasthan Sandesh* (Ajmer) established in Jodhpur, 1936; was several times Secretary and President, Marwar Praja Mandal and Lok Parishad and jailed four times in Jodhpur, 1937-44; detained in different forts of Marwar for 4½ years; widely known throughout Rajasthan for active interest in Responsible Government Movements in different Covenanted States of Rajasthan; founded his own paper *Praja-Sewak*, in Hindi, 1940; member, Municipal Board, 1941; recently elected Pres., Jodhpur City Congress Cttee. *Address*: Praja-Sewak, inside Sojati Gate, Jodhpur.



SHARMA, Baldev Prasad, B.A., Principal Information Officer, Jammu and Kashmir Govt., since April 1950. b. Jan. 1, 1909; m. Shrim. Kaushalya Devi; four s., two d.; *Educ.*: Sri Pratap Coll., Srinagar. Correspondent: *The Times of India*, 1931-42; *The Hindustan Times*, *The Tribune*, *The Amrit Bazar Patrika*, *The Civil and Military Gazette*, 1934-40; Reuters and Associated Press of India; Founder and Editor, *Kashmir Times*, 1934; joined State Publicity Dept. as Information Asstt., 1942; promoted Under-Secy., Information and Broadcasting, Jan. 1948; Station Director, Radio Kashmir, Oct. 1948. *Address*: Srinagar-Jammu.

SHARMA, Pandit Balkrishna, M.P., Journalist. b. Dec. 8, 1897, s. of Pt. Jamnadas and Shrin. Radha Devi Sharma; m. Shrim. Sarala Thakurdas, July 1949; *Educ.*: Madhava Coll., Ujjain (C.I.); Christ Church Coll., Kanpur (Uttar Pradesh). Has been taking prominent part in political activities; writes poems in Hindi, also short stories and articles on topical subjects. Has courted jail some six times and has spent over nine years in prison. *Publications*: Four Anthologies of Poems named *Kum Kum*, *Rashmi Rekha*, *Apalak* and *Quasi*; others are under preparation. *Address*: The Pratap Office, Kanpur; 5, Windsor Place, New Delhi.

SHARMA, Brij Lal, B.A. (Hons.), Principal Information Officer, Press Information Bureau, Govt. of India, since Feb. 1949. b. April 6, 1906; *Educ.*: Graduated with Honours from F. C. College, Lahore, 1927. Was in England including a few years spent in Fleet Street, 1927-33; on the staff of *Hindustan Times*, 1934; Correspondent of *Statesman*, *Civil & Military Gazette*, *Times of India*, *Pioneer*, and *British United Press*, 1935-38; joined Press Information Bureau as Asstt. Information Officer, Sept. 1938; promoted Information Officer, 1939; Additional Deputy Principal Information Officer, 1942; Deputy Principal Information Officer, 1944; Publicity Co-ordination Officer, Ministry of Information and Broadcasting, 1948; member, Indian Delegation to the Security Council on the Kashmir issue, 1948; appointed Deputy Secy., Information and Broadcasting Ministry, October 1948; Adviser to the Indian Delegation to the 5th Session of the U.N. General Assembly, 1950; Adviser to the Indian Delegation on Kashmir to Geneva, 1952. *Address*: New Delhi.

SHARMA, Brij Mohan Lal, B.A., LL.B., Minister for Law, Labour, Education, Relief & Rehabilitation, Transport, L.S.G. and Food, Ajmer. b. 1913; m. Smt. Rathi Devi; four s. and one d.; *Educ.*: Mission High School Beawar; Maharaja's Coll., Jaipur; Agra Coll., Agra. Started practice at Beawar, 1939, courted imprisonment in connection with the individual Satyagraha Movement, 1940 and Quit India Movement, 1942; elected Gen. Secy., Beawar Town Congress Cttee., 1941; Pres., Beawar Town Congress Cttee., since 1946; Founder, Rashtriya Mill Mazdoor Sangh at Beawar and Bijalgar and Rashtriya Oon (Wool) Mazdoor Sangh and the Employees Assoc. at Beawar; elected to the Ajmer State Leg. Assembly from Beawar. *Address*: Ajmer.

SHARMA, Prof. Diwan Chand, M.A. (Cal.), M.P., Hony. Professor of English, Punjab Univ., Hoshiarpur. b. March 6, 1896, s. of Pt. Nihal Chand; m. Smt. Raj Rani; five s. and three d.; *Educ.*: D. A. V. Coll., Lahore; Calcutta Univ. Prof. of English. *Publications*: *Men and Manners*; *Prophets of the East*. *Recreation*: Walking. *Clubs*: Burton Club and Services Club, Hoshiarpur. *Address*: Rawal Buildings, Hoshiarpur.



SHARMA, Mahadeo Prasad, M.A., D.Litt., Professor and Head of the Department of Studies in Public Administration and Local Self-Government, Nagpur University. b. Dec. 7, 1904, s. of Pt. Jagannath Prasad; m.; one s. and four d.; *Educ.*: Govt. Intermediate Coll., Fyzabad (U.P.); Univ. of Allahabad. Lecturer in Political Science, S. D. Coll., Kanpur and in Local Self-Govt. at Allahabad Univ. *Publications*: *Reform of Local Government in India*; *Government of the Indian Republic*; *Local Government and Finance in the U.P.*; *Rajniiti Ke Siddhanti* (Hindi); *Elements of Civics*, etc. *Address*: Law College Buildings, Amraoti Road, Nagpur; *Residence*: 79, Tagore Town, Allahabad.

SHARMA, Dr. Shanker Dayal, M.A., LL.M., Bar-at-Law, D.P.A. (Lond.), F.R.A.S. (Lond.), Ph.D. (Cantab.), Chief Minister, Bhopal. b. Aug. 1918, s. of Khushali; m. Smt. Vimla, M.A.; one s.; *Educ.*: Allahabad, Lucknow and Cambridge Univs.; Brandeis Fellow of Harvard Law School, U.S.A., Fellow of the Academy of International Law at Hague, Holland. Lecturer, Law Faculty, Cambridge Univ.; Lecturer and Reader in Law, Lucknow Univ.; Editor-in-Chief, Lucknow Univ. Union Journal; Editor, Lucknow Law Journal. *Publication*: Published literary and legal articles in Indian and foreign periodicals. *Recreation*: Swimming. *Clubs*: Cambridge Univ. Majlis; Lucknow Univ. Union. *Address*: Chief Minister, Bhopal.

SHARMA, Shri Rama, Public Worker. b. Oct. 1, 1899, s. of Pt. Bishamber Dayal Sharma. Journalist. Has one s. and four d. *Educ.*: Hindu Coll., Delhi. Joined Congress movement, 1921; imprisoned in all Congress satyagrahas; elected to Punjab Assembly, 1937; elected to the Constituent Assembly, 1946; Minister, Punjab, April 1952 to July 1953. *Recreation*: Gardening. *Address*: Haryana Dehra Sewa Ashram, Rohtak.

SHARMA, Sri Rama, M.A. (Delhi), Fellow of the Royal Historical Society, London, Principal, D. A. V. College, Sholapur; Dir., Institute of Public Administration, Corresponding Member, Indian Historical Records Commission. b. June 1, 1900, s. of Punidit Jai Ram Das; m. Prakashvati; three d. and three s.; *Educ.*: D. A. V. College, Lahore and St. Stephen's College, Delhi. Joined D. A. V. College Society as a Life-Member, 1923; Professor of History and Politics, D. A. V. College, Lahore (1925-43); Principal, D. A. V. College, Srinagar (1945-46); Pres., Mughal Section of the Indian History Congress, 1948; Indian Political Science Assoc., 1950. *Publications*: *Religious Policy of the Mughal Emperors*; *Maharaja Pratap*; *Bibliography of Mughal History, Govt. of India*; *Judicial Review and the Supreme Court in India*; *Choosing Your Legislators*; *A Maker of Modern Punjab: Constitutional History of India*; *Mughal Government and Administration*; *Conversion and Reconversion to Hinduism during the Muslim Period*; *Tarikh-i-Yamini* (English translation); *Bengal under Jahangir*; published first book when fourteen; wrote on Secret European diplomacy before World War I, the earliest article in India. *Address*: College House, Sholapur.

SHARMA, Pandit Vichitra Narain, Minister for Transport, U.P. Govt., since May 1952. b. May 10, 1898, s. of Pandit Har Narain Sharma and Smt. Ganga Devi; m. Matrai Devi; five children; *Educ.*: D.A.V. High School, Dehra Dun; Banaras Hindu Univ., Banaras. Participated in non-cooperation movement, 1920; founded with Acharya Kripalani, Gandhi Ashram, 1920; jailed several times in the freedom movement, 1921, 1932 and 1942; General Secy., Gandhi Ashram, since its foundation; Secy., Kashmir Charaka Sangh, 1938-43; nominated member, old Leg. Council, 1947; elected M.L.A., U.P.

at the first general elections, 1952. *Recreations*: Horticulture; Agriculture. *Address*: 8, Mall Avenue, Lucknow.

SHASTRI, Dinkar Lakshman Kanade, M.A. (California), Shastri (1916), ex-Deputy Speaker, Leg. Assembly, Madhya Pradesh. b. May 28, 1886; *Educ.*: Primary, Bombay; High School, Poona; Sanskrit at Wal and Banaras; higher studies in America. Joined Swadeshi movement as a volunteer, 1905; Teacher, National School, Talegaon, 1907-10; Lecturer in Philosophy, Education, Politics; is interested in social service; studied Sanskrit on old system, 1910-14; lectured on Gita Bahasya from Nagpur to Belgium; joined Home Rule League; travelled extensively in India and Europe; lectured throughout Marathi speaking area, 1926-40; joined Congress, 1926; has taken part in all civil disobedience movements; imprisoned, 1930, '32, '40, '41, '42 to 1946; elected to Nagpur Assembly on Congress ticket, 1946; served Buldana District Board, 1929-30; Pres., Buldana Municipality, 1938. *Recreation*: Gardening. *Address*: Buldana, Berar.

SHASTRI, Pandit Hiralal, Sahitya Shastri, B.A., Ex-Chief Minister, Rajasthan. b. Nov 24, 1899, s. of Shrinarain Joshi of Jobner (Jaipur); m. Shrim Ratan Shastri, d. of Raghunath Vyas of Ratlam; two s., Sudhakar Shastri, M.A. B.I., and Diwakar Shastri, B.A., *Educ.*: Maharaja's Coll., Jaipur; Secy., Foreign and Home Dept., Council of State, Jaipur; founded 'Jiwankutir', Banasthali, Jaipur, for village uplift work; following the sudden death of his only daughter, Shantabai, founded Banasthali Vidyapeeth, national institution for girls' education; General Secy. and Pres., Jaipur Rajya Prajamandal; General Secy., Rajputana Regional Council of All-India States People's Conference; General Secy., All-India States People's Conference; Chief Minister, Jaipur State. *Publications*: *Jiwankutir-Ke-Geet* in 12 booklets. *Address*: Banasthali (Jaipur).

SHASTRI, Lal Bahadur, Minister for Railways and Transport, Govt. of India. b. 1904, in a village in Banaras Dist. (U.P.); *Educ.*: Kashi Vidyapeeth. Participated in the Non-Co-operation Movement and courted jail, 1921; Life-Member, Servants of the People Society, since 1926; imprisoned for two and a half years during Salt Satyagraha movement, 1930; General Secy., U.P. C.C., 1935-38; returned to the U.P. Leg. Assembly, 1937; re-elected and appointed Parliamentary Secy. to the Chief Minister, U.P., 1946; elected Secy., U.P. Congress Parliamentary Board, 1945; appointed Minister for Police and Transport, U.P., 1947; resigned and became Gen. Secy., Indian National Congress, 1951; elected member, Council of States from U.P. *Address*: Minister for Railways and Transport, New Delhi.

SHASTRI, Shiv K., M.A. (Punjab), M.A. (Calcutta), M.Sc. (London), Bar-at-Law, Director, Indian Information Services, Ministry of External Affairs, New Delhi. b. June 23, 1913, s. of late Dr. P. D. Shastri, I.C.S.; *Educ.*: Govt. Coll., Lahore; Presidency Coll., Calcutta; London School of Economics, London; Lincoln's Inn. Practised as Advocate, Lahore High Court, 1940-47; wrote current commentaries and burlesques in the Lahore Tribune newspaper, 1943-46; represented India in the First World Youth Congress in Geneva, 1950; member, Indian Delegation to 9th session of Ecocon in N.Y., 1949; Defence Counsel in the First I.K.A. Trial. *Publications*: Articles on Politics, Philosophy and Law in various periodicals and magazines. *Recreations*: Reading, Tennis, Swimming and sometimes doing nothing. *Club*: Delhi Gymkhana Club. *Address*: Delhi Gymkhana Club, New Delhi.

SHAWKHA, Kalkabad Sorabji, B.A. (Oxon), Bar-at-Law, Registrar of Trade Marks. b. July 17, 1899, s. of Sorabji Shavaksha, Superintending Engineer, P.W.D. and Aimal S. Shavaksha; m. Gool, d. of late Bt. Hon'ble Sir Dinshaw Mulla; two d.; *Educ.*: Oxford College, London; Balliol College, Oxford; Middle Temple (1923). Practised at the Bombay High Court Bar, before taking up Government service in 1940. *Publications*: *Innocency Law for Students*; *Trade Marks Act, 1940*; Editor, Mulla's *Students Contract, Sale of Goods & Partnership Acts*; Assistant Editor, Mulla's *Transfer of Property Act* (2nd Ed.). *Clubs*: Willingdon Sports Club; Cricket Club of India. *Address*: 43, New Marine Lines, Bombay 1.

SHAIKH, Abdur Rahman C. B.A., Proprietor, Fazel Pharmaceutical Works, Ahmedabad. b. June 11, 1911; *Educ.*: Bombay Univ. Is a prominent business man in Gujarat and Saurashtra; inventor of Santone tooth powder; has been conducting a pharmacy since the death of Fazelima C. Hakim Sahib; Secy. and Hon. Treasurer, Ahmedabad Cotton, Yarn and Sarni Workers' Assoc., 1938; its Pres., 1948; Gen. Secy., Anjum-ul-Islam, a leading educational institution; Hon. Secy., charitable dispensary. *Hobbies*: Social activities. *Address*: Near Kalupur Town, Bandharana Khanchama, Ahmedabad.



SHERWANI, Haroon Khan, M.A. (Oxon), F.H. Hist. S. (1934), Bar-at-Law, Ex-President, Indian Political Science Assoc. b. March 30, 1891, at Datooli, Aligarh Dist.; *Educ.*: M.A.O. Collegiate School, Aligarh; Jesus Coll., Oxford; Univ. of Grenoble and Geneva; Barrister-at-Law (Lincoln's Inn); Head of Political Science Dept., Osmania Univ. 1948; member, Indian Constituent Assembly (ttee to translate Draft Constitution into Urdu, 1947-48; Principal, Nizam Coll., Hyderabad Dn., 1945-46; Anglo-Arabic Coll., Delhi, 1946-47; member, Coordinating Cttee. of the Comprehensive History of India; Vice-Pres., Governing and Edit. Bd., "Islamic Culture" journal, Hyderabad, 1951. *Publications*: Urdu Translation of Adolf Holm's History of Greece; *Elements of Political Science* (Urdu), *Short History of the Deccan* (Urdu); *Mahmud Gawan, the Great Bahmani Wazir*; *Nashriyat* (Urdu); *Studies in Muslim Political Thought and Administration*; *The Bahmanis*; *Bahmanis and their Culture*; *Europe before the War* (Urdu); English Translation of Reinaud's *Incursions des Sarrazins en France, Piemont et la Suisse*; *Sidelights on the Growth of Progressive Political Thought in India* and numerous papers on Political Science and Deccan History. *Club*: Aligarh Club, Hyderabad Dn. *Address*: Mustafa Manzil, Himayatnagar, Hyderabad Dn.

SHETE, Ramnath Lalubhai, Millowner, Ahmedabad. b. Jan. 8, 1896; m. Smt. Manekben; three s.; *Educ.*: Ahmedabad. Founded Vikram Mills Ltd., with up-to-date plant and machinery, 1928; Director: several mills in Ahmedabad, Kadi, Kalol, Potlad, Bombay and other places and of Insurance, Banking, Transport and Chemical Companies; member, Ahmedabad Municipality, 1941-42; member, Indian Central Cotton Cttee., 1945-46; B.B. & C.I. Bly. Advisory Cttee., 1940-43; Vice-Pres., Ahmedabad Millowners' Assoc., 1948-44, 47-48; Pres. 1948-49 and 1949-50; Trustee in many religious institutions; takes keen interest in religious activities, his name being associated with different religious institutions; widely travelled in India, Burma and Ceylon. *Address*: Shantivanan Society, Ellis Bridge, Ahmedabad 6.



SHETTY, Ratilal M., Political worker and business man; General Manager, "Janmabhoomi" group of newspapers, since 1935. b. Sept. 10, 1910, s. of late Mohanlal Sheth, business man, Saurashtra; m. Miss Champa Shah, G. A.; one s. and one d.; Educ.: Samaldas Coll., Bhavnagar; a staunch Congressman from his early days; took part in political activities of Kathiawar; imprisoned in 1930 and 1932 Satyagraha Movements; took part in World Scout Jamboree at Birkenhead (England); visited almost all European countries; Gen. Secy., Indian Languages Newspapers Assoc.; Director and Hon. Sec., Indian Newspapers Co-operative Society Ltd.; Secy., Saurashtra Trust; was one of the leading members of Kathiawar Praja Mandal, Bombay; Hon. Treasurer, Ranpur Sarvajnik Education Society; member, Executive Ctee., Matunga Gujarati Education Society. Address: "Janmabhoomi" group of newspapers, Fort, Bombay.

SHETTY, A. B., Minister for Health, Co-operation, Housing, Ex-Servicemen Govt. of Madras; M.L.C. in 1926 and 1930; was Parliamentary Secretary to the Minister for Public Health in the first Congress Cabinet. Address: Secretariat, Madras.

SHINDE, Chief Justice Govindrao Krishnarao, B.A., Bar-at-Law, Chief Justice, Madhya Bharat, since 1952. b. Oct. 1, 1896, s. of Krishnarao Shinde of Ratnagiri; m. Smt. Dora Popham King of London; one s. and one d.; Educ.: Victoria Coll., Gwalior; Hon'ble Inn of The Middle Temple, London; London School of Economics. Puisne Judge, High Court, Gwalior, 1929-37; Chief Justice, Gwalior High Court, 1937-41; Law Minister, Gwalior State, 1941-48; Puisne Judge, High Court, Madhya Bharat, 1948-52. Recreation: Tennis. Clubs: Jiwaji Club, Gwalior; C.C.I., Mhow. Address: 21, Morar, Gwalior; Kail Kothi No. 2, Indore.

SHIRKE, Shridharrao Shankarrao, B.A., B.Sc., Private Secretary to H. H. Maharani Chinnabaisaheb Gaekwar of Baroda, since 1950. b. May 21, 1894, s. of Shankarrao Shirke of Brigaum; m. Indirabai, d. of Prof. Kadam; two s. and three d.; Educ.: Elphinstone and St. Xavier's Colleges, Bombay. Agricultural Adviser to the Raja of Sawantwadi, 1925-27; Professor, Rajaram Coll. and Registrar of Co-operative Societies, Kolhapur, 1928-42; Personal Asst. to Prime Minister, Kolhapur, 1936-42; Commissioner and Chief Excise Officer, Kolhapur, 1942-49; nominated M.L.A. Kolhapur; took keen interest in agricultural and rural development in the State; was Pres., Farmers' Fair and Cattle Show held at Kolhapur in 1939 when Viceroy Linlithgow visited Kolhapur; was awarded Kaiser-i-Hind silver medal for public services, in fostering the Co-operative Movement in Kolhapur State, 1939. Address: Gopal Bhuvan, Pedder Road, Bombay 26.

SHIVARE, Dharmendra Veer, B.A., LL.B., Superintendent, Press and Stationery, Rajasthan Government, Jodhpur; Director, Arya Sahitya Mandal Ltd., Ajmer. b. 24, 1890, in Bhind, Gwalior, s. of Munshi Gopal Sahaji; m. Mrs. Phulmati; one d.; Educ.: Ajmer and Nagpur. Has been a Congress worker; was imprisoned in Central Jail for Congress activities during school days, 1930; detained on Aug. 9, 1942; released, 1944; twice elected Municipal Commissioner, Ajmer, for 6 years; interested in printing and stationery

industry; took practical training in all departments; also practised as a successful lawyer for a few years; after his release from prison became Supervisor, Latif Press, Delhi, 1944; was entrusted by the Mewar Govt. with the work of organising their press at Udaipur; sponsored the construction of a new Govt. Press building at Udaipur on modern lines; keen sportsman in college days and won numerous medals; was Speaker, Govt. College Union, Ajmer; Hon. Secy., Field Club, Udaipur, for some years; Hon. Treasurer, Umaid Club, Jodhpur; Vice-Pres., Arya Samaj, Sardarpura. Address: Jodhpur.

SHIVDASANI, Parsaram Rupchand, A.C.G.I., B.Sc. (Engg.) (London), M.I.C.E., M.I.E. (Ind.), Deputy General Manager, Bombay Municipality B.E.S.T. Undertaking, since Oct. 1947. b. February 12, 1906, s. of late Rupchand Bhamam, Retired Judicial Commissioner, Sind; m. Saraswati Shivdasani; one s. and two d.; Educ.: St. Patrick's High School and D. J. Sind College, Karachi; City & Guilds Institute, London. In service of the Karachi Port Trust, 1929-47; sent to England for special training in Harbour Engineering, 1930-32; resigned service as Deputy Chief Engineer in Nov. 1947 due to partition of the country; acted as General Manager, B.E.S.T. Undertaking, on several occasions. Clubs: Karachi Club, Karachi; W.I.A.A., Bombay; Western India Turf Club, Bombay; C.C.I. and the Willingdon Sports Club, Bombay. Address: Office—Electric House, Fort, Bombay. Residence—B-1, Mafatal Park, Warden Road, Bombay.

SHRINAGESH, Jayavant Mallannah, C.I.E. (1946), I.C.S., General Manager and Chairman, Board of Management, Hindustan Aircraft Ltd., Bangalore. b. 1905; Educ.: W. Buckland School, Devon; Trinity Coll., Cambridge. Entered I.C.S., 1928; Jt. Secy., Ministry of Industry and Supply, Govt. of India; Commissioner of Jullunder; Adviser to Nepal Govt. Address: C/o Hindustan Aircraft Ltd., Hindustan Aircraft P.O., Bangalore District; Residence: 6, Edward Road, Civil Area, Bangalore.

SHRINAGESH, Lt.-Gen. Satyavant Mallannah, G.O.C.-in-C., Southern Command, Poona, since January 15, 1953. b. May 11, 1903, s. of Dr. Shrinagesh Mallannah; m. Rajkumari Kochhar; three s. and two d.; Educ.: Public School in England; Cambridge Univ. and Sandhurst. Was commissioned in 1923; commanded the 6th Kumaon Regt. and fought in Waziristan, Assam and Burma with the Lushai Brigade, Dec. 1942; officiated as Brigade Commander, 64 Indian Infantry Brigade of the 19th Indian (Daggar) Division in Burma; selected to go to Germany as Dy. Chief of the Indian Military Mission, Nov. 1945; worked as Economic Adviser and Counsel, Commandant, Kumaon Regimental Centre, 1946; commanded 268 Indian Infantry Brigade, Japan; was promoted Major-General and appointed G.O.C., Madras Area; became Adjutant-General, A.H.Q., India, 1948; took over the over-all command of Indian Forces in Jammu and Kashmir, Sept. 1948; G.O.C.-in-C., Western Command, 1949-53. Address: Command House, Poona 1.

SHRIVASTAVA, Jagmohan Lal, ex-Minister for Law & Revenue, Madhya Bharat. b. Dec. 24, 1890, in Bhind, Gwalior, s. of Munshi Gopal Sahaji; m. Mrs. Phulmati; one d.; Educ.: Bhind, Morar (Gwalior) and Etawah. Started practice as a Vakil, Gwalior High Court, 1912-32; joined Judicial Service in former Gwalior State (1932); Secy., Dept. of Law & Justice, Gwalior (1940); Judge, Gwalior High Court (1943); Pres., Praja Sabha (Legislative Assembly), Gwalior (1945); Minister for Law & Justice, Gwalior (1948); Minister for Law

and Revenue, Madhya Bharat, 1948-52. Recreations: Tennis; Literature; Writing articles for press; Long walks; Reading. Club: Jiwaji Club, Gwalior. Address: Station Road, Gwalior.

SHROFF, Ardesheer Darabshaw, B.A. (Hons.) (Bom.), B.Sc. (Econ.), London, Director, Tata Sons Ltd. b. June 4, 1899; m. Jeral Panday; two s. Prof. of Advance Banking at Sydenham Coll., Bombay; Vice-Pres.; Bombay Shareholders' Assoc., 1936-37; Member, Ctee. of Indian Merchants' Chamber, 1930-36; Vice-Pres., Indian Merchants' Chamber, 1936; Trustee of the Port of Bombay, 1933-37; Chairman, Tata Textile Group and New India Assurance Company; member, Profit Sharing Ctee.; Chairman, Bombay Municipal Finance Ctee.; an expert witness before the Select Ctee. of Central Legislative Assembly on the Reserve Bank Bill, 1934; Director-in-Charge, Investment Corporation of India Ltd.; The National Ekko Radio & Engineering Co., Ltd.; Non-official Indian Delegate to the World Monetary Conference at Bretton Woods, U.S.A., 1944; Chairman, Railway Stores Enquiry Ctee. (1950-51); Expert Ctee. on Forward Contracts (Regulation) Bill, 1950. Publication: One of the authors of the Bombay 15-Year Plan. Address: "Eddie House," Pedder Road, Bombay.

SHROFF, Dhiralal Nemchand, Hon. Magistrate, J.P., Managing Director, Evans Fraser & Co. (India) Limited and The New Era Textile Mills Ltd. b. 27th August 1909, s. of Nemchand Udechand, Landlord of Pardi, Dist. Surat; m. Manjula Jariwala, d. of Amarchand Chunilal Jariwala of Bombay; one s. and one d.; Educ.: Matriculated from the D. C. O. Sarvajnik High School of Pardi; F.Y.A. from Wilson College, Bombay; apprentice course at the Victoria Jubilee Technical Institute, Matunga in spinning and weaving; practical training at the Ruby Mills, Dadar; Salford Technical College, Manchester England, 1933-35; practical training at the Welhome Mills Ltd., Nelson, England. Visited Japan, 1935; initiated the incorporation of the New Era Textile Mills Ltd. in 1936 firstly for the weaving of silk and art silk and later installed a complete plant of Cotton Bleaching, Dyeing and Printing which catered for all the war supply orders, particularly in reference to mineral khaki, water-proof canvases and anti-gas fabrics; purchased Evans Fraser & Co. Ltd.; Director, Evans Fraser & Co. (India) Ltd., New Era Textile Mills Ltd., D. N. Shroff & Co., Ltd., Shama Engineering Ltd.; Murphy Radio of India Ltd.; Photogravure (India) Ltd.; Sole Proprietor, New Era Stores, United Knitting Works, United Importers, Clothing and Tailoring Co.; Chairman, Silk and Art Silk Mills Assoc., Ltd., Chairman, Silk and Art Silk Mills Research Association. Club: Radio Club. Address:—Residence: 40A, Ridge Road, Malabar Hill, Bombay 8, and "Ayna Cottage," Juhu, Bombay; Office: The Fort House, Hornby Road, Bombay 1.

SHROFF, Kalkhushru Ratnaji P., Hon. Presidency Magistrate and J.P.; President, Stock Exchange, Bombay, and Director of several Joint Stock Companies. b. July 27, 1878; m. Aimal, d. of Rustomji Panday; Educ.: Bharda New High School and Byramjee Jeejeebhoy College of Commerce. Has written books on Mathematics; recipient of Silver Jubilee and Coronation Medals. Publications: Elementary Arithmetic and Algebra for P. H. Students. Address: Sunshine, Churchgate Reclamation, Bombay.

SHUKLA, Ravishanker, B.A., LL.B., M.L.A., Chief Minister, Government of Madhya Pradesh. b. August 2, 1877, at Sagur; m. Shrim. Bhawan Bai; *Educ.*: Itampur, Jabalpur; Hialop Coll., Nagpur; Law Coll., Jabalpur. Headmaster, State High School, Khairagarh for 3 years. Was tutor to Chiefs of Bastar, Kawardha and Khairagarh; joined Bar, 1908; arrested as a non-co-operator, 1923; released due to popular upheaval; sentenced to 6 years' imprisonment, 1930; 2 years' imprisonment and



fined Rs. 500, 1932; name struck off the roll of lawyers, 1932, but re-admitted, 1935; entered Leg. Council as 'Swaraj Party' Member, 1928; Chairman, District Council, Raipur, 1928-36; Minister for Education, July 1937; sponsored the 'Vidyamandir Scheme'; Prime Minister in the first Congress Ministry, Aug. 1938-Nov. 1939; detained again during Individual C.D., 1940; under the D.I.R., Aug. 1942; released, June 15, 1945; Founder, *The Nagpur Times*, Nagpur; elected to State Assembly, 1946 and became Chief Minister, April 1946, re-elected M.L.A. and as Leader of the Congress Party in the Legislature, 1951; became Chief Minister, Feb. 1952. Chancellor, Sagar University, conferred LL.D. (*honoris causa*) by Banaras University, 1949. *Address*: Civil Lines, Nagpur.

SHUKLA, Shambunath, B.A., LL.B., Chief Minister, Vindhya Pradesh. b. 1904, *Educ.*: Allahabad Univ. Entered politics during the Dandi March, 1932; was detained at Bhandargarh Fort for four years; imprisoned for participating in the 'Quit India' movement; released, 1945; Food and Civil Supplies Minister and later Finance Minister, Rewa State, 1947; nominated as a member of Parliament by the Governor-General, 1947; elected M.L.A., Vindhya Pradesh; Founder Editor, *Bhaskar*, Hindi Weekly of Rewa, 1945; was Gen. Secy. V.P.C.C.; its Pres.; organised and managed khadi work; opened a Khadi Bhandar at Rewa; elected to the State Assembly in the general elections; unanimously elected leader of the Congress Party in the State Assembly and became Chief Minister. *Address*: Rewa (Vindhya Pradesh).

SIDDIQI, Muhammad Zubayr, H.A. (Punjab), M.A., B.L. (Patna), Ph.D. (Cambridge), Sir Asutosh Professor of Islamic Culture, Calcutta University, since 1929. b. 1896, s. of Hafiz Hakim M. Ishaq; m. Amina Khatun Begam; three s. and two d.; *Educ.*: Madras Aliya of Hampur State (U.P.); Oriental Coll., Lahore; Bihar National Coll., Patna, worked under Prof. E. G. Brown. Head of the Dept. of Arabic, Lucknow Univ. (1928-28); Member, Senate and Syndicate, Calcutta Univ. for more than ten years; elected Vice-Pres. Royal Asiatic Society of Bengal for more than six years; Hon. member, Islamic Research Society of Bombay and Fellow of Asiatic Society of Bengal. *Publications*: Edited the *Firdausul-Hikmat*, the oldest Arabic Medical Compendium (Published from Berlin in 1928), *The Tarikhi-Hayat of Saif* (Imperial Library of Calcutta, 1944) and *Al-Sayyid-Hakim bi Tawarikh-Hadith* (Published from Hyderabad-Deccan); several papers published in various journals. *Address*: P. 6, Suhrawardy Avenue, Circus P. O., Calcutta 17.

SIDHANTA, Nirmal Kumar, M.A. (Cantab.), Double First Class, English Tripos, Member, Union Public Service Commission since 1951. Was Dean, Faculty of Arts, Lucknow University and Member-Secretary, Universities Commission, b. Oct. 31, 1894, s. of late Nikanta Sidhanta; m. Chitralekha Banerjee; two d. and one s.; *Educ.*: Calcutta and Cambridge Universities; Griffith Friseman, Calcutta University. Lecturer, School of

Oriental Studies, London Univ., 1922-23; Reader in English, Lucknow Univ., 1923-26; Professor of English, Lucknow Univ., 1926; Dean, 1933-51; Wilson Philological Lecturer, Bombay University, 1928; Secy., Inter-Univ. Board, India, 1937-42; Chairman, 1946-48; member, Central Advisory Board of Archaeology, since 1944; Central Advisory Board of Education, since 1946; member & Secy., Indian Universities Commission, 1948-49; member of Cttee. and Faculties of Indian Universities. *Publications*: *The Heroic Age of India*; *A Comparative Study*, numerous articles on literature, art and education. *Recreations*: Tennis and Bridge. *Address*: New Delhi.

SIDEWA, Framji Hormasji, Managing Director, Globe Theatres Ltd. b. Dec. 31, 1880; m. three s. and two d.; Educ., Bombay. Went to Burma and started his business career in Insurance, 1903; subsequently went into the Import-Export line; became interested in the Cinema Industry, 1911; shortly afterwards started his own cinema business in Rangoon as an exhibitor and distributor forming the Globe Cinema Company, 1915; expanded the Company in Burma and extended its activities to the important cities of India under the name of Globe Theatres Ltd.; is charitable by nature; elected Delegate of the Chief Parsi Matrimonial Court at Bombay. *Address*: The Capitol, Opp. Victoria Terminus, Bombay 1; 7, Lindsay Street, Calcutta 16.



SIDEWA, R. K., Ex-Minister of State for Home Affairs; member, All-India Congress Cttee.; Pres., Karachi District Congress Cttee.; Municipal Councillor, Karachi; member, Central Advisory Council of Rlys.; ex-Trustee, Karachi Port Trust; ex-Pres., Sind & Baluchistan Postmen's and Lower Grade Staff Union; Federation of Telegraph Men of India, and Burma; Currency Association and Municipal Sub-Inspectors' and Lower Grade Staff Union; ex-Secretary, Passengers' & Traffic Relief Association; Chairman, Railway Roads Committee; ex-President, Clearing Agents' & Muccadams Association; member, Pres., All-India Cantonment Assoc.; ex-Leader of the Congress Party in the Sind Legislative Assembly; Provincial Commissioner, Hindustan Scout Association; President, Federation of All-India Passengers' Association, President, Federation of All-India Local Authorities; Chairman, Salt Advisory Cttee.; member, Central Rly. Advisory Cttee.; was member, Indian Constituent Assembly; was Mayor of Karachi. *Address*: "My Nest," Worli Sea Face, Bombay 18.

SINGH, Sardar Baldev, Ex-Minister for Defence, Govt. of India. Member for Defence, Interim Government, September 2, 1946; Minister for Development, Government of Punjab, June 1942-Sept. 1946, previously Director of Messrs. Indra Singh & Sons Ltd.; Defence Minister, 1947-52. Address: 17, Tughlak Road, New Delhi.

SINGH, Birbal, M.A. (Banaras), M.P., Principal, Kashi Vidyapith, Banaras, since 1939. b. Jan. 1, 1899, s. of Harpal Singh; m. Smt. Parvati Devi; four s.; Educ.: Queen's Coll. and Central Hindu Coll., Banaras. Non co-operated from B.H.U., 1921; appointed Lecturer and Registrar, Kashi Vidyapith, Banaras, Feb. 1921; elected member, U.P. Leg. Assembly, 1937; Chairman, Dist. Board, 1938-41; member, U.P. Leg. Assembly, 1937-52; returned to the



House of the People in the General Elections, 1952. *Address*: Kashi Vidyapith, Banaras Cantt. (U.P.).

SINGH, Chandrasevar Prasad Narain, M.A., Governor of Punjab (India), b. April 18, 1901, s. of Krishna Kishore N. Singh and Smt. Gena Kaur; m. Smt. Savitri Devi; three s. and four d.; Educ.: G.B.B. Coll., Muzaffarpur; Calcutta Univ. Member, Provincial Simon Cttee., 1928; Hon. Secy., Tirhoot Cane Marketing Board, 1934; member, B. and O. Leg. Council until 1936; returned to Provincial Legislature as the representative of the landholders, 1937; Chairman, Muzaffarpur Dist. Board for 12 years; Pres., Provincial Franchise Cttee., 1930; Leader, National War Front, Bihar, 1942; Pres., Bihar Flying Club, 1947, Leader of the Opposition, Bihar Leg. Assembly; Fellow, Patna Univ., 1930; Vice-Chancellor, Patna Univ.; Indian Ambassador in Nepal till Oct. 1952, High Commr. for India in Ceylon. *Recreations*: Tennis, Shooting, Painting, Riding. *Address*: Raj Bhawan, Simla; Muzaffarpur and Patna, Bihar.



SINGH, Charan, M.A., B.Sc., LL.B., Minister for Agriculture and Revenue, Uttar Pradesh. b. December 23, 1902, s. of Ch. Meer Singh; m. Shm. Gayatri Devi; one s. and five d. Educ. Meerut and Agra. Started legal practice in Ghaziabad (Dist. Meerut) in 1928; began taking active interest in political and other public activities in 1929; imprisoned in 1930 for six months, in 1940 for one year and in 1942 for fifteen months; elected M.L.A. (U.P.) in 1937, 1946 and again in 1952; Parliamentary Secy. to the Hon'ble Chief Minister, U.P. till June 1951; originator of the Bhumidhari Scheme; Chairman, the Zamindari Abolition Publicity Board, Revenue Courts Reorganisation Cttee. (1946), Tenancy Act Amending Cttee. (1946), Dudhi Enquiry Cttee. (1947), Ayurvedic and Unani Systems Reorganisation Cttee. and Local Bodus Pay Cttee. *Publications*: *Abolition of Zamindari*, 1947. *Address*: Secretariat, Lucknow.

SINGH, Chandhri Sunder, Minister of Labour, Punjab (India), since April 17, 1952. b. July 7, 1900, s. of Ch. Mangal Das, Sialkot; m. Smt. Mahant Kaur, 1925 and Smt. Vidyawati, 1934; three s. and two d.; Educ.: D.A.V. Coll., Lahore. Secy. and later Pres., Punjab Provincial depressed Classes Assoc., 1931-32, served in Lahore High Court as a clerk, 1933-45, elected M.L.A., United Punjab, 1946; Parliamentary Secy., 1946-47 settled down at Gurdaspur after partition and has been engaged in Harijan Welfare Work since then; elected again to the Punjab Leg. Assembly in the general elections, 1952. *Publication*: *Untouchable*. *Recreations*: Long Jump and Kabadi. *Address*: Minister of Labour, Punjab, Chandigarh.



SINGH, Brigadier Daulat, Director of Military Operations, Army H.Q. India, since April 1952. b. Jan. 4, 1911, s. of Col. Dhanth, late Prime Minister, Indore; m. Raj Kumar Uma Devi of Kapurthala; three s. and one d.; Educ.: Govt. Coll., Lahore; Royal Military Coll., Sandhurst. Commissioned into the Indian Army, Jan. 29, 1931; joined the III Cavalry; was a Regimental Officer up to 1942; selected for the Staff Coll., 1942; completed the Staff Course, 1943; held various Staff and Command appointments, including Command of an Armoured Brigade. *Recreations*: Polo, Hockey, Tennis and Squash. *Club*: Delhi Gymkhana Club, New Delhi. *Address*: 35, Ayrangzeb Road, New Delhi.

SINGH, Barchand, ex-Deputy Minister, Backward Classes, PEPSU. b. May 6, 1916, s. of Sardar Parmeshwara Singh of Fatehgarh village, Chhunan Dist., Patiala and Smt. Bibi Sant Kaur; m. Sardarni Ishar Kaur, d. of Sant Ram of Munshiwalla village; one s. and one d.; *Educ.*: Metric. Joined service in the Revenue Department, United Punjab; organised Depressed Classes League in PEPSU; served as General Secy., PEPSU State Depressed Classes League for years; was selected member, PEPSU Delimitation Cttee.; member, PEPSU Congress Provincial Election Tribunal; organised All-India Session of Akhli Bhartiya Depressed Classes League, March 1951. *Address*: C/o Secretariat, PEPSU, Patiala.

SINGH, Mr. Justice Harnam, B.Sc. (Punjab), M.A. in English (Punjab), LL.B. (Punjab), Puisne Judge, High Court, Punjab State (India), since Nov. 1948. b. March 31, 1899, s. of Sardar Tara Singh and Smt. Lakshmi Devi; m. Shrimati Harbans Kaur; four s. and four d.; *Educ.*: Gordon Mission Coll., Rawalpindi; Forman Christian Coll., Lahore; Gold Medalist in Law. Served on the staff of the Khalsa Coll., Amritsar, 1918-24; joined the Bar, Oct. 1927; practised in the Lahore High Court till Aug. 15, 1947; elected to the Constituent Assembly of India, 1946; argued the Punjab Boundary Commission case before the Punjab Boundary Commission, July 1947; appointed Advocate-General, East Punjab, 1948; argued successfully all the 33 references before the Arbitral Tribunal relating to disputes between India and Pakistan. *Publications*: *Punjab the Homeland of the Sikhs* and several books on Sikh religion and history. *Recreations*: Indoor games; Gardening. *Address*: Holcombe, Simla (West).

SINGH, Sukam LL.B., M.P., Advocate. b. Aug. 30, 1895, at Montgomery, s. of Sham Singh, m. Smt. Tripti Kaur, one d.; *Educ.*: Khalsa Coll., Amritsar; Law Coll., Lahore. Is a prominent member of the Shiromani Akali Dal; entered politics and actively participated in the Gurdwara Prabandhak Reform movement; arrested and imprisoned, 1924-26; worked for the prosperity of the Panthic organisation as member of Shiromani Gurdwara Prabandhak Cttee., 1926-41, President, Shiromani Akali Dal, 1950; Judge, Kapurthala High Court, 1947; takes keen interest in work in Parliament, makes valuable contributions on various subjects. *Ex-member*: Estimates Cttee. of the Parliament; Rehabilitation Advisory Cttee.; was elected to the Indian Constituent Assembly, 1948; made the best use of this opportunity for the cause of his community. *Publications*: *Sikh Case: The Problem of the Sikhs*. *Recreation*: Walking. *Address*: Kapurthala, PEPSU; 31, Queensway, New Delhi.

SINGH, Lieut.-General Kalwant, I.A., Commander XI Corps 3, April 1950. Col. The Dogra Regt. and Col. Commandant Army Ordnance Corps. b. April 23, 1905, s. of the late Sardar Bahadur Sardar Sant Singh, P.C.S., President, Council of Regency, Kalsia State and hereditary Provincial Darbari; m. Tejka, d. of Sardar Bahadur S. S. Gyan, I.S.R.; one s. and one d.; *Educ.*: Forman Christian Coll., Lahore and Royal Military Coll., Sandhurst. Commissioned, Jan. 29, 1925; Bde. Maj., Thal Brig., 1940-41; Instructor, Staff Coll., Quetta, 1941-43 (First Indian Instructor); Asst. Quartermaster-General (Operations), North Western Army, Rawalpindi, 1943; Asst. Quartermaster-General (Plans), Indian Expeditionary Force, 1943; Comdt., 7th Bn., 1st Punjab Regt., Nov. 1943-45; Second-in-Command (Colonel) 114 and 89 Infantry Brigades, Burma and Siam, July-Oct. 1945; Cmr., 20 and 114 Infantry Bdes., Feb. 1946-May 1947; Cmr. of Troops against Black Mountain tribes, N.-W.F.P., Jan. 1947; Brig.-General, Staff, Northern Command, Rawalpindi, May 1947-15 Aug. 1947; Dir. of Military Training, Army Hqn., August 1947-Nov. 1947; Cmr. JAK Division and JAK Force, 5 Nov.

1947-1 May 1948. Chief of the General Staff, May 1948-April 1950. *Address*: Ekant, Jullundur.

SINGH, Major-General Kanwar Bahadur, P.S.C., G.O.C.A. Division, has been Deputy Secretary (Military) to the Cabinet, Govt. of India, since February 1948. b. August 5, 1910, s. of Major-General Sir Onkar Singhji, Kt., C.I.E., ex-Prime Minister of Kotah; m. Rajkumari Rajinder Kanver of Barwani, one s. and three d.; *Educ.*: Herbert College, Kotah; Prince of Wales's Royal Indian Military College, Dehra Dun; Royal Military Academy, Sandhurst. Was commissioned as an Officer, January 1931, served with the Highland Light Infantry, 1931-32 and was posted to the 4th Bn. 19th Hyderabad Regiment, Indian Army; served in that Regiment throughout, which was later renamed the Kumaon Regiment; held first staff appointment, 1940; qualified at Staff College Course at Camberley in U.K.; Dy. Secy. (Military) to the Cabinet, Govt. of India, 1948-53. *Address*: Palnitha House, Kotah (Rajasthan).

SINGH, Kanwar Jaswant, B.A., Rao Bahadur (1943), M.L.A., Rajasthan and Leader of Opposition. b. Oct. 23, 1903, s. of Col. Thakur Prithvi Raj Singhji; m. 2nd d. of Late Thakur Sir Sadul Singhji; *Educ.*: Walter Noble's High School, Bikaner, Benares Hindu Univ.; Asst. Private Secy. and then Private Secy. to His late Highness Maharaja Sri Ganga Singhji Bahadur of Bikaner; successively Foreign and Political Secy., Public Works Minister, Education and Public Health Minister, Civil Supplies Minister and finally Prime Minister, former Bikaner State; Member, Constituent Assembly of India; M.P.; Minister for Separate Revenue and Finance Group II, Rajasthan. *Recreations*: Football; Tennis, Squash Rackets; Golf. *Club*: Sri Sadul Club, Bikaner. *Address*: Daudsar House, Bikaner (Rajasthan).

SINGH, Sardar Kapoor, B.A., LL.B., Chairman, Punjab (I) Legislative Council, since April 30, 1952. b. 1898; *Educ.*: Khalsa College, Amritsar. Practised Law, 1923-34 and 1938-40; suspended practice on account of disciplinary action by High Court for conviction during C. D. Movement; Sessions Judge, Chief Revenue Secretary and Dewan, Ajal Garh State, 1935-37; deputed by the State to the Princes & Prime Ministers' Conference in Bombay, Jhanat and Nowgong, to consider the Federal Part of the Govt. of India Act of 1935; resigned State service as he joined the Congress party in the Punjab Assembly; member, Dist. Board, Ludhiana, 1925-40; Vice-Pres. of the Board for 6 years; member, Municipal Cttee., Ludhiana, 1927-37 and Vice-Pres. for a term; M.L.A., Punjab, 1937-52; Secy., Congress Assembly Party, 1942-45; Chief Whip, Congress Assembly Party, 1946-47; Dy. Speaker, Punjab Leg. Assembly, 1946-47; Speaker, Punjab (I) Leg. Assembly, 1947-51. *Address*: Windcliff, Simla 4.

SINGH, Sardar Bahadur Lal, M.Sc. (California), M.P. b. March 16, 1890, s. of Sahib Singh; m. Smt. Mohinder Kaur; one s. and three d.; *Educ.*: California Univ. Served as Professor of Agriculture; Fruit Specialist, Punjab; Development Adviser to the Govt. of India; Director, Indian Institute of Food Technology; Agricultural Faculty, Punjab Univ.; Director of Agriculture, Punjab; Vice-Pres., Indian Central Sugarcane Cttee.; toured for 10 years for the study of Agriculture and Rural Organisations in U.S.A., Europe, Australia, China, Japan, Egypt, Palestine, etc.; founded the Agriculture Dept., Khalsa Coll., Amritsar; organised fruit industry in the Punjab; started a journal and was its Chief Editor; Hon. Secy., Punjab Fruit

Development Board; All India Food Preservers' Assoc.; author of several legislations pertaining to agricultural development. *Publications*: About 100 publications of a scientific and popular nature dealing with Agriculture, Horticulture and Preservation in particular. *Address*: Amadapur, (Via) Jagadhri, 55, North Avenue, New Delhi.

SINGH, Jaipal, M.P. & Pres., All-India Adibasi Mahasabha. b. Jan. 3, 1903, s. of late Amru Pahan; m. Tara Majumdar, g. d. of the late W. C. Bonnerjee, first Pres. of the Indian National Congress. *Educ.*: St. Paul's School, Ranchi; Grammar School, Darlington, St. Augustine's College, Canterbury, and St. John's College, Oxford. Full Blue at Oxford for Hockey; captained the Indian Olympic Team at the Olympiad in 1928, first Covenanted Indian Mercantile Assistant in the Royal Dutch-Shell Group, 1928-32; Commercial Master, Achimota College, Gold Coast, 1933-36; Headmaster and Officiating Vice-Principal, Rajkumar College, Raipur, 1936-37; Colonisation Minister and Revenue Commissioner, Bikaner State, 1937-39; Civilian Adviser, Services Selection Board, 1943-46; Pres., Delhi Flying Club, since 1950 and Delhi Fishing Club, since 1949, Editor, *Adibasi Sakam*, 1941-42; President Jharkhand Party, member, Press Commission, 1952-53; Vice-Pres., Delhi and Dist. Cricket Assoc., 1953; member, Estimates Cttee. of Parliament, 1952-54. *Publications*: Articles on Games and Social Anthropology. *Address*: Ranchi, Chhota Nagpur.

SINGH, Sardar Mohan, Banker, Educationist; Managing Director, Bank of Patiala, Patiala and Patiala Insurance Corporation, Patiala. b. Jan. 8, 1903; *Educ.*: Khalsa Coll., Amritsar, 1919-24; stood first in the Univ. in the B.Sc. (Hons.) Examination. Participated in the N. C. Movement of 1921; was leader of the student movement of the Khalsa Coll., Amritsar, 1924; was a popular figure in his college on the academic as well as on the sports side; was Pres., Students' Organisation and Vice-Leader, Coll. Legislative Assembly; Founder: Khalsa Girls' Middle School, Jullundur; New (High) School, Ludhiana, 1940; founded Khalsa Girls' School, Ludhiana, 1942; raised it to High School Standard, Sept. 1943; Founder-member and Secy., Sutlej (Officers') Club, Ludhiana; Vice-Pres., Malwa Education Society, Ludhiana; Founder-Pres., Sikh Assoc., Ludhiana; served in the Imperial Bank of India for 18 years and held charge of some of its most important branches; Founder: Patiala Insurance Corporation as a State owned composite Insurance Co.; Modern High School, Patiala, Jan. 1947; Mahendra Kanya Maha Vidyalaya (Girls' High School), Patiala, Aug. 1948; has rendered yeoman service to the cause of the displaced persons from Pakistan as Convener, Relief and Rehabilitation Cttee., Patiala; Convener, 34th Sikh Educational Conference, Oct. 1949; Founder and Managing Trustee, Saraswati Vidyak Trust, Patiala; Founder-member and Vice-Pres., Guru Nanak Education Society, Patiala; Pres., Rotary Club, Patiala; Economic Adviser to His Highness' Govt., Patiala, Nov. 1944-May 1948; originated the scheme of Mobile Banks in India, 1950; Governor, 52nd District, Rotary International, 1952-53; Convener, Academy of Sikh Religion and Culture; member, Managing Cttee., Guru Nanak Engineering Coll., Ludhiana; member, PEPSU Bharat Sevak Samaj Central Cttee. *Address*: Managing Director, Bank of Patiala, Patiala (PEPSU).

SINGH, Nawab, B.A., I.C.S., Chief Secy. to Punjab Govt., since May 1952. b. April 7, 1907, s. of Sardar Bahadur Sant Singh, I.P. (Retd.); m. two s. and one d.; *Educ.*: Morris Coll., Nagpur; graduated, 1927; passed I.C.S., at London, 1928. Posted



to the Punjab in 1929, where he served as Asst. Commissioner, Dy. Commissioner, Dist. & Sessions Judge (Delhi, 1930-43) and Legal Membranor & Legislative Secy.; Home Secy., East Punjab, Aug. 1947 to July 1948; Commissioner Ambala Division, Punjab, July 1948-May 1951; Addl. Chief Secy., Punjab, 1951-52. *Recreations:* Tennis, Bridge and Literature. *Clubs:* Delhi Gymkhana, Shirdi Club, Ambala; Chelmsford Club, Delhi; East Punjab Club, Simla. *Address:* Chandigarh.

SINGH, St. Nihal, Author, Journalist and photographer. b. June 2, 1884; *Educ.:* Punjab University; m. Cathylene Kinsey Brook, 1907. First contribution to an English newspaper in 1898; since 1902 has regularly written for reviews, quarterlies, magazines, weeklies and daily newspapers all over the world; has thrice girdled the globe and while living in four continents has been commissioned by the governments of various countries, notably Canada, Belgium, Ceylon and India, to write books and booklets, some of which have run through numerous enormous editions; writes in several languages; among best-known works are: *India's Fighters*; *India's Fighting Troops*; *The King's Indian Allies*; *The Rajas and Their India*; *Progressive British India*; *Japan's Modernisation*; *The Nizam and the British Empire*; *Bhagvat Sinhjee, The Maker of Modern Gondal*; *Messages of Uplift for India*; *Urges Divine*; *Making Bad Children Good*, *Dry America*; *Hyderabad Today*, etc. *Address:* "Suryasthanam," 16, Nemi Road, Dehra Dun, U.P.

SINGH, Col. Raghuir, Chief Minister, PEPSU, since Mar. 1954. b. 1894. s. of Sardar Sahib Teja Singh of Thethar family at Thethar Village, Lahore Dist.; m. Sardarni Vir Pal Kaur, d. of Sardar Lal Singh Rals Attari, Dist. Amritsar; one s. and two d.; *Educ.:* Chiefs' Coll., Lahore. Joined as Superintendent of Police, Patiala State, 1915-24; promoted Inspector-General of Police, 1924; appointed Sardar Sahib Deodhi, 1934; Dy. Revenue Minister, Development Minister, Home Minister, Patiala State, 1936-39; returned Jagir



worth Rs. 3,000 to Patiala Ruler, 1939; was responsible for the abolition of Nasool system in the State; elected Pres., Sri Darbar Sahib, Amritsar, the highest seat of Sikh culture, 1940; was a good athlete during college days; founded Lok Sewak Sabha (subsequently merged with Congress), 1947; Home Minister, first popular ministry of PEPSU, 1949. Chief Minister in the first elected Congress Ministry, 1952-53; elected Pres., PEPSU P.C.C., 1952. *Recreations:* Agriculture, Farming. *Address:* Chief Minister, PEPSU, Patiala.

SINGH, Raja Maharaj, M.A. (Oxon.), Hon. LL.D. (Allahabad), Bar-at-Law, Ex-Governor of Bombay. b. May 17, 1878; s. of Raja Sir Harnam Singh; m. Gunwati Maya Das, d. of Rai Bahadur Maya Das of Ferozepur (Punjab); 2 s., 1 d.; *Educ.:* Harrow and Ball. Coll., Oxford; Bar-at-Law, 1902. Asst. Sec. to Govt. of India, Dept. of Education, 1911; Collr. of Hamirpur, U.P., 1917; Haridol, 1918; Secy. to U.P. Govt., 1919; Dy. Secretary, Govt. of India, Education Dept., 1920-23; Dy. Commissioner, Bahraich, 1923; Commissioner, Allahabad, 1927 and 1929, Benares, 1928; Chief Minister, Jodhpur, 1931; Agent-General in South Africa, 1932; Member, Executive Council, U.P., 1935; Member, U.P. Legislative Assembly, 1937-45; Commander (Brother), St. John Ambulance Association; Vice-Chancellor, Lucknow Univ., 1941-45; Prime Minister, Kashmir, April-July, 1943; Pres., Indian Christian Association and National Liberal Federation, 1944; Member, U.P. Legislative Council, 1946-47; Delegate to Commonwealth Relations Conference, England, 1945; Delegate to the United

Nations, New York in 1946 and 1947; Governor of Bombay, Jan. 6, 1948-May 30, 1952. *Publications:* Reports on Indians in Mauritius, British Guiana and in South and East Africa; Speeches as Governor of Bombay, 1948-52 and various contributions to the Press. *Address:* Lucknow.

SINGH, Ram Subhag, Shastri (Banaras), M.A. (Missouri), Ph.D. in Journalism (Missouri), M.P. b. July 7, 1917, s. of Ram Balak Singh of Khajuria (Bihar); m. Shrimati Dhanawati Singh; four s.; *Educ.:* Dhamar Board Upper Primary School; Bhuvaneshwar Middle English School, Arrah; Arrah Town High English School; Sri Kashi Vidya Path, Banaras; Missouri Univ., Columbia, Missouri, U.S.A. Joined the Indian National Congress, 1936 and since then a Congress worker; arrested and imprisoned for 6 months for taking part in Civil Disobedience Movement, 1941; again sentenced to three years R.T. and a fine of Rs. 500 in Aug. 1942 movement; elected Member of Parliament after returning from U.S.A. in Jan. 1950; elected to the House of the People from Shahabad South Constituency, Bihar in the general elections, 1952. *Publications:* Articles in some American and Indian papers. *Recreations:* Gardening, Horses riding. *Address:* Khajuria, P.O. Dhamar, Dt. Arrah (Bihar); Parliament House, New Delhi.

SINGH, Ramacharitra, M.Sc., B.L., Minister for Irrigation, Electrification, Bihar Government; Treasurer, Patna Univ. b. 1885. *Educ.:* Calcutta University; Patna University. For some time Demonstrator in Chemistry, G. B. B. College, Muzaffarpur; joined Non-Co-operation Movement; was Professor of Chemistry in Bihar Vidyapith for several years; elected member, Bihar Legislative Council, 1926; took part in Non-Co-operation Movement, 1930, 1932, 1940, 1942 and imprisoned every time; elected member, Bihar Assembly, 1937, and again in 1946. *Publications:* Wrote 3 books in jail, viz., *Birwa ka Vikash* and *Arya Kon Hai* and one is in press. *Address:* Masanapur (Bihat), P.O. Bihat, Railway Station Barauni Junction, District Monghyr; Secretariat, Patna.

SINGH, Rameshwar, President, Municipal Board, Jodhpur; Proprietor, Messrs. Durga Singh & Son, Jodhpur & Jaipur. b. Sept. 1918. A veteran Congressman; member, Rajasthan Provincial Congress Cttee. and Working Cttee., Jodhpur; has been Municipal Commissioner since 1944; worked in various capacities in the Municipal Administration and other public activities; was Incharge, Refugee Camp, 1947; appointed Convener, Ad-hoc Cttee., Jodhpur Municipality by the Rajasthan Govt., 1951; elected Chairman, Municipal Board, Jodhpur, April 7, 1952. *Address:* Durga Singh & Son, Jodhpur & Jaipur.



SINGH, Rana Jang Bahadur, B.A., Journalist and Author M.L.A., Delhi, ex-Editor, *The Times of India*, Delhi. b. Dec. 2, 1901, s. of Shyam Singh; m. Shrim. Gyan Devi (1929); two d., Sushama and Pratima; *Educ.:* Canning Coll., Lucknow (1919); Allahabad Univ.; Non-co-operated, 1922; finally graduated from National Muslim Univ. (Jamia Millia Islamia), Aligarh. Sub-Editor, *The Comrade* (Maulana Mohamed Ali's Weekly), Delhi, 1924-25; Editor, *The Nation* (Weekly), Lahore, 1925-27; Editor, *The Tribune*, Lahore, 1946-48; Editor, *The National Call* and *Nas Bharat* (Hindi daily), Delhi, 1948-49. Editor, *The People* (Weekly), Delhi, 1949-April 1950; Editor, *The Times of India*, Delhi, 1950-February 1951; connected with All-India Postal, Telegraph and Telephone Unions as President or Working President; Member: Court of Delhi Univ.; Delhi State Land Reform Cttee.; Delhi State Finance Cttee.; Delhi State Students' Loans and Stipends

Cttee.; Vice-Pres.: All India Peace Council; Indo-Chinese Friendship Assoc.; made a study tour of Europe, 1935; visited Europe as Vice-Pres., All India Federation of Journalists, contacting newspapermen's organisations abroad, 1950; visited the Soviet Union as a member of the Indian Journalists' and Writers' delegation, June-Aug. 1951. *Publications:* *Pattidodhar*; *Barodoli Vijaya*; *Hindustani Sanskriti*, etc. *Address:* 5/65, Ajmal Khan Road, Karol Bagh, New Delhi.

SINGH, Sardar Sampuran, ex-Minister for Relief and Rehabilitation, PEPSU. b. Nov. 1920, s. of Havildar Jaimal Singh of Dhaura village and Smt. Bibi Dhan Kaur of Manderkalan village, Sangrur Dist.; m. Smt. Jalkaur; one s.; *Educ.:* Matric and Giani. Took active part in 'Quit India' movement; participated in Faridkot Satyagraha, 1946; joined Nabha Satyagraha along with his 60 year old mother, both being imprisoned for 34 years at Nabha; member, P.C.C. and Pres., Dist. Congress Cttee., Barnala, 1949-50; was arrested under public safety ordinance, 1950; was honourably acquitted by the court. *Address:* ex-Minister for Relief and Rehabilitation, PEPSU, Patiala.

SINGH, Sardar Sant, B.A., LL.B. (Punjab), Ex-Envoy Extraordinary and Minister Plenipotentiary of India in Ethiopia, Addis Ababa. b. Sept. 2, 1882, s. of Sardar Ganesh Singh; m. Shrim Parbati Bai; three s. and two d.; *Educ.:* Presbyterian Mission High School, Rawalpindi; D.A.V. Coll., Lahore; Training Coll., Lahore; Govt. Law Coll., Lahore. Started life as a teacher, switched off to Law; practised in Campbellpur and Lyallpur, 1908-47, when displaced from Pakistan; elected M.L.A. Central, 1931-45; elected member, Municipal Cttee., Lyallpur, 1933; elected Pres., Municipal Cttee., Lyallpur, 1937; Pres.: Bar Assoc., Lyallpur, 1935-45; Peace Cttee., Lyallpur, 1946-47; All-India Nationalist Sikh Party, 1947-50; various political and economic conferences, 1931-49; member, Indian Food Delegation to U.S.A. and U.K., 1946; Leader of Indian Goodwill Mission to Ethiopia, 1948. *Address:* C/o External Affairs Ministry, New Delhi.

SINGH, Lt.-General Sant, G.O.C.-in-C., Eastern Command, since Feb. 1953. b. Nov. 28, 1903, s. of Sardar Seva Singh; m. Smt. Dharman Kaur; two s. and one d.; *Educ.:* Harihar High School, Ludhiana; Khalsa Coll., Amritsar; Royal Military Academy, Sandhurst, England. Commissioned as 2/Lt. in the Indian Land Army, Jan. 1925, carried out one year's attachment with the 2nd Bn., The Queen's Royal Regt. before joining the Indian Army Bn. 1/14 Punjab Regt.; took part in various NWF Operations; commanded 2nd Bihar Regt.; served overseas in Persia, Iraq and Malaya and mentioned in Despatches for distinguished services during the 2nd World War; promoted Col., Jan. '47, Brig., in Sept. '47 and Maj.-General. Dec. '47; commanded the famous 4th Indian Infantry Division before being appointed Master-General of Ordnance at Army HQ. *Recreations:* Hockey, Athletics and Shooting. *Address:* H.Q. Eastern Command, Ranchi (Bihar).

SINGH, Sardar Swarn, B.Sc. (Hons.), M.Sc. (Physics) (Lahore), LL.B., Minister for Works, Housing & Supply, Govt. of India, since May 1952. b. Aug. 19, 1907, s. of Sardar Partap Singh; m. Sardarni Charanjit Kaur; four d.; *Educ.:* Govt. Coll., Lahore. Returned to the Punjab Leg. Assembly, 1946; elected Secy., Panthic Party; Parliamentary Secy. (Home) or about six months in the Coalition Cabinet of Malik Khizar Hayat Khan Tiwana; became leader, Panthic Party; Minister for Development and Civil Supplies, Punjab; appointed a member, Security Council set up by the then Governor of the Punjab (Mr. Jenkins) to advise Govt. on



the day-to-day problems relating to law and order, March 1947; was member, Partition Ctee. to divide the assets of the Punjab; Home Minister, Punjab, 1947-49; Minister of Capital Project and Electricity, Punjab, April-May, 1952. *Recreation:* Long Walks. Club: Chelmsford Club, New Delhi. *Address:* 7, Hastings Road, New Delhi.

SINGH, Sardar Bahadur Teja, B.A., LL.B., Ex-Chief Justice, Patiala and East Punjab States Union High Court. b. Jan. 4, 1889, s. of Sardar Sunder Singh; *Educ.:* Khalsa High School, Amritsar; Mission High School, Rawalpindi; Gordon College, Rawalpindi. Started practice as lawyer, 1914; soon became a prominent civil lawyer at Rawalpindi; District & Sessions Judge, United Punjab, 1932-43; appointed a Judge of the High Court, Lahore, 1943; became Fellow, Punjab Univ., 1945 and member, Syndicate, 1946; appointed first Vice-Chancellor of the East Punjab Univ., 1948; retired from the High Court, East Punjab, Simla, 1948; member, Radcliffe Boundary Commission appointed to partition the Punjab, 1947. *Address:* Patiala.

SINGH, Lieut.-General Thakur Nathu, has been G.O.C.-in-C., Eastern Command. b. May 10, 1902, s. of Thakur Ramir Singhji of Gumanpur; m. Bai Sahib Suraj Kanwar, d. of Thakur Laxman Singhji of Kundali in Udaipur (Mewar); three s., Kanwar Pratap Singh, Kanwar Ranvijay Singh and Amarjit Singh; and two d.; *Educ.:* Mayo Coll., Ajmer. Commissioned at Sandhurst, 1923, did a year's attachment with the South Lancashire Regt.; joined the 1st Rajput Regt., 1924; appointed Adjutant and took part in the Mohmand operations, 1933; was mentioned in despatches; graduated from the Staff College, Quetta, 1938; Staff Captain and later Brigade Major, Nowshera Brigade; G.S.O. II of 4 Corps in Imphal, 1942; 2nd-in-Command to the 2nd Rajput Regt.; commanded the 9th Rajput Regt., Oct. 1943; took his old Bn., the 1st to the Andamans and the Nicobar Islands and received the formal Jap surrender at Nancowry; Dy. Director, Selection of Personnel, with the rank of Colonel; Director, May-Oct. 1946; commanded the Dera Zaf Force at Dera Ismail Khan and the Zhob Brigade, the Kamptee Sub Area, the Deccan & U.P. Areas, 1947-48. *Recreations:* Games, Outdoor life and touring. *Address:* Gumanpura, Durgpur (Rajasthan).

SINGH, Tirath, B.Sc., LL.B., ex-Minister for Education and Health, P.E.S.U. b. Dec. 25, 1900, s. of S. Narain Singh of Tolewal Village, Dhuri Tehsil and Smt. Nihal Kaur of Ubhawal Village in Sunam Tehsil (P.E.S.U.); m. Smt. Sham Kaur, d. of S. Lal Singh of Doburji village, Payal Tehsil; four s. and two d.; *Educ.:* F. C. Coll., Lahore. Started practice, 1931; joined Prajamandal movement, 1938, arrested and convicted in 1940 for participating in Prajamandal Satyagraha against Hidayat, 1938, was sentenced to 18 months' imprisonment, remained an active member of Prajamandal upto 1946; led a jatha of 125 persons in Faridkot satyagraha the same year; elected General Secy., Punjab States Peoples Conference, 1940. *Recreations:* Hockey, Tennis and Photography. Club: Rajindra Gymkhana Club, Patiala. *Address:* Patiala.

SINGHAL, Rajya Priya, Pramed Prakash, M.Sc., Managing Agents: Mewar Oil and General Mills Ltd., Udaipur; Managing Director, Sanghi Motors, Udaipur. b. Feb. 13, 1920, in U.P., s. of Rai Bahadur M. S. Singhal, Ex-Member, Board of Revenue U.P. and Rajasthan; *Educ.:* Had a brilliant academic career; topped in M.Sc., Allahabad Univ. Owns large agricultural farms; has launched extensive irrigation and agricultural projects; was conferred title of



Rajya Priya by

prominent business man of Rajasthan; widely travelled; Captain of Aquatics, 1939-42; Hon. Secy., Field Club from Oct. 1950; Hon. Secy., Rajasthan Oil Mills Assoc.; member, Rajasthan Industrial Advisory Council, Jaipur. Club: National Sports Club of India. *Address:* Lake House, Udaipur (Rajasthan).

SINHA, Anirudha, M.P. b. Nov. 5, 1903, at Simri Village, Darbhanga Dist. (Bihar), *Educ.:* Bihar Vidyapith, graduated, 1925, Joined non-co-operation movement on the day when Montford reforms were inaugurated. Nov. 30, 1920. Asstt. Headmaster, Gandhi Vidyalaya, 1925-28; Sub-Editor, *The New Servant*, started by Shyam Sunder Chakraverty, 1929, courted jail for various terms in the Satyagrah movements of 1930, '32 and '40; was made a security prisoner in the Quit India Movement, 1942; elected Pres., Darbhanga Dist. Congress Ctee. thrice 1947-52; Gandhi National Memorial Fund for Darbhanga Dist. elected member, Provisional Parliament, 1952; re-elected from Darbhanga East Constituency in the general elections. *Recreations:* Adult education; propagation of khadi; farming. *Address:* Station Road, P. O. Lakenasari, Dist. Darbhanga; 28, Queenway, New Delhi.

SINHA, Anugrah Narayan, M.A., B.L., D.L., Minister for Finance, Labour and Agriculture, Bihar Government, since April 1946. b. June 1889; *Educ.:* Patna Coll. and Univ. Law Coll. (Calcutta). Prof. of History, T. N. J. College, Bhagalpur (1915-18); practised in Patna High Court till 1921, non-co-operated after Nagpur Congress, worked with Mahatma Gandhi in his famous Champaran Agrarian Enquiry in 1917. elected Vice-Chairman, Patna City Municipality, 1924; and chairman, District Board, Gaya; Pres., Bihar Provincial Conference, 1928; Working General Secy., Bihar Central Relief Fund (in connection with Bihar Earthquake), 1934; elected member, Council of State (1926-29); M.L.A. (Central) (1935-37), M.L.A. (Bihar), 1937, General Secy., Bihar P.C.C., 1934-36; Finance Minister, Bihar Govt., 1937-39; General Secy., Reception Ctee., 53rd Session, Indian National Congress; jailed for 15 months, 1933-34; took part in Individual Civil Disobedience Movement in 1940-41 and the 1942 movement and was detained for 9 and 22 months respectively; worked as General Secy., North Bihar Co-ordinating Relief Ctee. during epidemics in 1944-45; elected to Provincial Assembly, 1946; selected Leader, Indian Delegation to International Food & Agriculture Organisation Conference held in Geneva in August-September 1947; elected Pres., Provincial C'tees. of the Gandhi National Memorial Fund, 1948. Leader, Indian Food Delegation to Nepal, 1948; Member, Indian Delegation to I.L.O. Conference, Geneva, 1950. re-elected to the State Assembly, 1952. *Publication:* *My Reminiscences* (in Hindi). *Address:* Secretariat, Patna.

SINHA, Mr. Justice Bhuvaneshwar Prasad, B.A. (Hons.), M.A., B.L., Chief Justice, Nagpur High Court. b. February 1, 1890, s. of Kashi Nath Sinha and Shrimati Sheila Devi; m. Shrimati Phulkesar Devi; three s. and three d.; *Educ.:* Arrah Zila School, Patna College and Patna Law College. Vakill, Patna High Court, 1922-27; Advocate, 1927-35; Govt. Pleader, 1935-39; Assistant Govt. Advocate, 1940-42; Judge, Patna High Court, 1943-51. *Recreation:* Hiking. Clubs: Rotary Club, Nagpur & Gondwana Club, Nagpur. *Address:* Chief Justice's House, Nagpur.

SINHA, Mr. Justice Chandreshwar Prasad, B.A., Hons. (Eng.), M.A. (Eng.), B.L., Judge, Patna High Court, since June 1950. b. Feb. 1, 1901, s. of late Rai Sahib Anand Prasad Sinha, a prominent lawyer of Biharharif; m. Smt. Kamala Devi; three s. and one d.; *Educ.:* Bihar H.E. School, Biharharif; Patna Coll. and Law Coll., Patna. Enrolled, Patna High Court Bar, 1925; officiated as Asstt. Govt. Advocate, 1939-40;

member, Faculty of Law, Patna Univ.; Secy.-General, Patna High Court Advocates' Assoc., 1947-50; member, Governing Body of several Educational Institutions. *Address:* Kadam Kuan, Patna 3.

SINHA, Mr. Justice Deep Narayan, B.A., Barrister-at-Law (Lincoln's Inn), Judge, Calcutta High Court. b. Jan. 14, 1908, s. of Rai Bahadur Ranajit Sinha, a prominent lawyer of Bihar; m. Smt. Monisha Sinha; two s., Rajnarayan and Tejnarayan; *Educ.:* Hastings House, Santiniketan; Presidency Coll.; T. N. J. Coll., Bhagalpur; Lincoln's Inn, London. Practised as Barrister on the Original Side, Calcutta High Court, Pres. and patron of several Gymnastic Clubs and Health Associations of the City and Suburbs. *Recreations:* Painting, Photography, Shooting. Club: Calcutta Club, Calcutta. *Address:* 17, Priyanath Mallik Road, Calcutta and High Court, Calcutta.

SINHA, Deva Sharan, B.A., B.L. (Patna Univ.), Ex-Minister for Medical and Public Health, Bihar. b. June 1908, s. of B. Rambhok Singh; m. Srimati Mithlesh Devi; three s. and one d.; *Educ.:* Bihar National College and Law College, Patna. Joined Bar, 1927; participated in the Civil Disobedience Movements of 1930-1933 and jailed several times; participated in the August Revolution, 1942; member, Bihar Provincial Congress Ctee. and All-India Congress Ctee., since 1934; elected member, Bihar Legislative Assembly, 1946 and member, Working Ctee., Bihar Provincial Ctee.; President of many Social Organisations; unanimously elected Deputy Speaker, Bihar Legislative Assembly, 1946; Leader of the Backward Classes Federation, Bihar. *Recreation:* Gardening. *Address:* P. O. Barh, District Patna (Bihar).

SINHA, Rajadhar, B.A. B.L., Ex-Chairman, Public Service Commission, Bihar. b. Oct. 3, 1893, s. of Rai Bahadur Chandradhari Sinha of Dharhara, Patna; m. Smt. Kamla Sinha; one s. and one d.; *Educ.:* Patna Collegiate School; Patna College; Patna Law College. Elected to Bihar and Orissa Legislative Council, 1924-37; elected to Patna District Board, 1924-38; Chairman, Patna District Board, 1924-33; President, Bihar and Orissa Legislative Council, 1933-37; Manager, Hathwa Estate, 1938-44; member, Jt. Public Service Commission, Bihar, C.P. and Berar and Orissa, 1945-47; renounced C.I.E. in 1947; associated with Patna University, Secondary Board of Education, Text-Book Ctee., etc.; Chief Editor, *Kisan*, 1934-37. *Address:* No. 1, King George Avenue, Patna.

SINHA, Dr. Satya Narain, Minister for Parliamentary Affairs, Govt. of India, since May 13, 1952. b. 1900, at Darbhanga (Bihar); *Educ.:* Patna. Participated in the Non-Co-operation movement and was imprisoned, 1920; member: Bihar Legislature, 1926-30; Indian Constituent Assembly; was Chief Whip, Congress Party in the Central Assembly and Constituent Assembly; Minister of State for Parliamentary Affairs, Govt. of India, 1949-52; returned to the House of the People from Samastipur East Constituency, Bihar in the general elections. *Address:* Minister for Parliamentary Affairs, New Delhi.

SINHA, Shyama Prasad, B.A., Chairman, Bihar Legislative Council b. April 1895, s. of Chhatradhari Singh, Zamindar, Mallepur; m. Srimati Lalita Sinha; one s. and four d.; *Educ.:* T. N. J. College, Bhagalpur; St. Paul C. M. S. College, Calcutta; Univ. Law College, Calcutta. Joined Non-co-operation Movement, Sept. 1920; has taken politics as career; courted imprisonment several times, 1921, 1932, 1940 and 1942, etc.; was member and also executive head, Dist. Board and Local Boards; Asstt. G.O.C., Gaya Congress, 1922; G.O.C., Ramgarh Congress, 1940; In-charge of the Volunteer Organisation of the Province till election as Dy. Pres., Bihar Legislative Council; elected member, Bihar Leg. Council, April 1940 and Dy. Pres., June

1946; Director, *Navashakti* since 1935; Chairman, Board of Directors, Navashakti Publishing Company since 1946; Editor, *The Calcutta Samachar*, 1919-20. *Recreations*: Sports, riding and hunting. *Address*: Patna.

SINHA, Sri Krishna, M.A., B.J. (Calcutta), Chief Minister, Bihar, since 1946. *b.* Oct. 21, 1887, in an ancient Zamindar family of Bihar; *m.*; two *s.*, Shivashankar Sinha and Bandhi Shankar Sinha; *Educ.*: Monghyr Zilla School; Patna Coll., Patna; Calcutta Univ. Joined the Bar, 1916; gave up practice in response to Gandhiji's call, 1920; since then a leading member and an active worker of the Indian National Congress; served jail sentence of over eight years in all as a result of his political activities;



Leader of the Swaraj Party in the Bihar Legislative Council, 1927; Chairman, Monghyr District Board, 1930; Pres., B.P.C.C., 1935; M.L.A., Centre, 1935-36; first Prime Minister of Bihar, 1937-39; was a member of India's Constituent Assembly; re-elected M.L.A. from Kharagpur Constituency of the Bihar Legislative Assembly; re-elected Leader, Congress Party, which is in absolute majority in the Bihar Legislature. *Recreation*: Books. *Address*: Patna, Bihar.

SIPAHIMALANI, Smt. Jothi Tulsidas, Member, Bombay Legislative Council, J.P. & Hon. Magistrate, Bombay. *b.* Feb. 10, 1900, at Hyd. Sind, *d.* of Lieut. R. S. Dewan Tulsidas Issardas; *Educ.*: D. J. Sind Coll., Karachi; studied upto B.A., when she had to leave studies to take part in non-co-operation movement. Started active social and political life at the early age of 20; took active part in Khadi movement even during school and college days; courted imprisonment thrice and remained in jail for over 3 years; the first Sindhi lady who contested and was elected to the Karachi Municipal Corporation, 1934; was member, Municipal School Board, 1930-1935; when Provincial autonomy was introduced, returned uncontested to the Sind Leg. Assembly, 1937-48; migrated to India, 1948; was Deputy Speaker, Sind Leg. Assembly till 1947; was always returned uncontested; was Pres.: Sind Health Visitors, Midwives and Nurses Council; All-India Women's Conference; Vice-Pres.: Sind Collegiate Board; Harijan Sewak Sangh (Sind Branch); Rashtra Bhasha Prachar Samiti (Sind Branch); Chairman, Kasturba Memorial Fund (Sind Branch); was member: National Planning Cttee. (Women's Role in Reconstruction Section); Text Books Cttee. of Govt. of Sind; Managing Board of Civil Hospital, Karachi; was connected with various social and charitable institutions; Govt. of Bombay's representative on Central Advisory Board to the Ministry of Rehabilitation; member, Women's Section, Directorate of Rehabilitation; Chairman, Women's Rehabilitation Depot and various other institutions of displaced persons. *Address*: 4th Floor, Al Abad, Opp. Ritz Hotel, Churchgate, Bombay.



SITARAM, Sr., M.A., LL.B., D.Litt., Rai Sahab (1919), Rai Bahadur (1923), Knight Bachelor (1931). *b.* Jan. 12, 1885; *m.* Srimati Basudevi. Member, Mun. Board, Meerut (1910-20); Chairman, Education Cttee., Hon. Secy., Meerut Coll. for 16 years and Trustee for life; Hon. Secy., Devanagiri High School (1913-37); Hon. Secy., Lyall Library, Meerut (1911-48); elected member, U.P. Legislative Council (1921-37); Pres., U.P. Legislative Council (1925-37); member, Executive Council, Allahabad Univ. and Hindu Univ. for several years; founder of Depressed Class Schools and Sevak Mandal at Meerut; Member, Indian National

Congress (1905-10); ex-Pres., Sri Badrinath Temple Cttee.; Pres., Baghunath Girls' Coll., Meerut; President-Patron of the U.P. Sports Control Board, Lucknow; Pres., Upper House, U.P. Legislature, 1937-49; High Commissioner for India in Pakistan, March 1949-Nov. 1950; Chairman, Universities' Grants Cttee., U.P.; Pres., U.P. Ethnographic Society. *Address*: Champa, Meerut.

SITARAMAYYA, Dr. B. Pattabhi, B.A., M.B.C.M., Governor of Madhya Pradesh since July 1952. *b.* November 24, 1880. Started medical practice at Masulipatnam, 1906; gave it up, 1916; has been a member of the A.I.C.C. since 1916; started the *Jannabhumi*, an English Weekly, 1919; jailed several times in connection with Congress movement; member, Working Cttee. of the A.I.C.C., 1929-1930, 1931 and again between 1934 and 1936, 1938 and 1939 and 1940-46 and in 1948; takes an interest in the Co-operative Movement; elected member, Constituent Assembly, 1946; Pres., All-India States Peoples' Conference in 1936 at Karachi—Navsari Convention, 1938-39; working Pres., A.I.S.P.C. in 1946-47-48; elected Pres., Indian National Congress, Jaipur Session, 1948-50. *Publications*: *National Education*, 1912; *Indian Nationalism*, 1913; *Redistribution of Indian Provinces on a Language Basis*, 1916; *The Indian National Congress* (Jubilee Commemoration Volume, 1935); *Economic Conquest of India*; *Constitutions of the World*; *Gandhi and Gandhism*; *Gandhism and Socialism*; *Hindu Home Rediscovered in 1936-37*; *Why Vote Congress*; *Sixty Years of Congress*; *Fundamentals of India's Political Problems*; *Feathers and Stones*; *History of Congress*, Vol. II; *Current History in Question and Answer*. *Address*: Nagpur; 103, Gandhinagar, Madras 20.



SIVASUBRAMANIAN, L. R., M.L. (Madras), University Professor and Dean, Faculty of Law, University of Delhi. *b.* July 31, 1899. *s.* of L. P. Ramachandra Iyer; *m.* Srimati Rajakumari of Tanjore; two *s.* and three *d.*, *Educ.*: S.P.G. College, Trichinopoly; Law College, Madras; L.C. Miller Gold Medalist. Enrolled Madras High Court, 1923; practised till 1927; appointed Reader in Law, Banaras Hindu Univ., 1927; Head of the Department of Law, 1938; Dean, Faculty of Law, 1939; and later Principal and Univ. Professor of Law; member, U.P. Legal Education Reform Cttee., 1937; Sectional Pres., All-India Law Conference, Hyderabad (Deccan), 1944; Member of Senate, Syndicate, Court and Council, Banaras Hindu Univ.; member, Law Faculties of the Allahabad, Lucknow and Banaras Hindu Universities for several years. *Publications*: Wrote several articles to papers and journals, e.g., *Theories of Punishment*, *Reorganisation of Legal Education in India*, *Hindu Law Reform*, etc., etc. *Address*: No. 8, Cavalry Lines, Delhi.

SOBHANI, Osman, M.P. (Council of States), Business man. *b.* Dec. 8, 1895, *s.* of Haji Usuf; *m.* Khadija Haji Ismail; one *s.* and one *d.*; *Educ.*: St. Xavier's Coll., Bombay. Joined the Elphinstone Mill as an apprentice, 1914; studied mechanical engineering and technology of textiles, 1917; took charge of management of Elphinstone Mill from his brother Umar Sobhani; later managed several textile mills and other industrial concerns; Managing Dir., *Bombay Chronicle* and *Khilafat*; Hon. Secy., B.P.C.C.; Financial Secy., All C.C.; *Educ.*: Pres., B.P.C.C.; Chairman, Anjuman-e-Islam; member, Municipal Corporation, Bombay; Joint Secy., Hyderabad Govt. Industrial Trust.



India Khilafat Cttee.; Pres., B.P.C.C.; Chairman, Anjuman-e-Islam; member, Municipal Corporation, Bombay; Joint Secy., Hyderabad Govt. Industrial Trust.

Recreations: Music, Movies, Gardening. *Clubs*: Royal Western India Turf Club; Cricket Club of India; Banjara Hill Club, Hyderabad; Delhi Gymkhana Club. *Address*: Rahat Afza, Jubilee Hill, Hyderabad; 10, Western Court, New Delhi.

SODEBANS, Sirdar Prem Singh, F.L.A.A. (Lond.), F.C.A., Lahore. *b.* 20th July 1885 at Gujarkhan; *Educ.*: Ramnagar (G. Wala) & Lahore. Founder & Editor, *Indian Accountant*, since July 1922; Adviser to Indian Employers' Delegate to 20th Session of the International Labour Conference, Geneva, 1936; Pres., Society of R.As. in N. India, Lahore, 1937-38 and 1941-42; Incorporated Secretaries Assoc. (India), 1941-46; Indian Chamber of Commerce, 1942-43; member, Advisory Cttee., Ministry of Relief and Rehabilitation, Govt. of India, 1947-49; Pres., Delhi and East Punjab Assoc. of Accountants, Delhi, 1948-51; Member, Council of International Chamber of Commerce, Paris, 1949-51; Founder-Hon. Secy., Delhi Chamber of Commerce, New Delhi, 1949. *Publications*: *Indian Accountant and Secy.*, *Economic Planning of India*, *German Problem in Europe, 1936 & 1938*, *India and League of Nations*, *Industrial Development of India*, *Development of Accountancy Profession in India*, *Sikh Position in India*, *Indians Abroad*, *Food Problem*, etc., etc. *Address*: Office: Dilbar Building, Original Road, Paharganj, New Delhi; *Residence*: Prem Villas, 13, Rajindra Nagar, New Delhi.

SODHI, Darbara Singh, B.A. (Hons.), Politics and History (California, U.S.A.), M.A., Politics and History (Michigan), has been Principal, Khalsa College, Bombay. *b.* Oct. 3, 1900, *s.* of Sardar Altar Singh Sodhi and Atma Devi; *m.* Koshalya Rani; two *s.* and one *d.*; *Educ.*: Khalsa Coll., Amritsar, Punjab; Univ. of California at Berkeley (U.S.A.); Univ. of Michigan at Ann Arbor (U.S.A.). Has travelled in Burma, China, Japan, England, France, Switzerland and Italy; started the Nationalist English Weekly *New Era* from Amritsar after returning from the United States, 1930; Editor, *Daily Akali Patrika*, Lahore, upto June 1937; Senior Professor of Politics and History, Khalsa Coll., 1937-39; Vice-Principal, 1939-48. *Address*: C/o Khalsa College, Matunga, Bombay 19.

SOHAN LAL, Lala, Prop., M. Gulab Singh & Sons, Delhi. *b.* Sept. 15, 1907, *s.* of late Rai Bahadur Lala Mohan Lal. Chairman, Eastern Woollen Mills Ltd., Bombay, New Indian Industries Ltd., Bombay; Sri Krishna Trading Corporation Ltd., Bombay; Peshawar Electric Supply Co. Ltd., Delhi; Sialkot Electric Supply Co., Ltd., Delhi; Federation of Woollen Manufacturers in India; Pres., Indian Chamber of Commerce, Punjab; member, Legislative Assembly (Punjab), 1938-46; member, Lahore Municipal Committee, 1933-37. *Address*: 44-E, Bungalow Road, Delhi 6.



SOHONI, V. V., B.A. (Hons.), M.Sc., F.N.I., Director-General of Observatories, since 1950. *b.* Sept. 6, 1898; *m.* Mrs. Malati Sohoni (née Gadgil); one *s.* and three *d.*; *Educ.*: Bombay Univ. (Wilson College); College Fellow, 1919-22. Joined I. Met. D., Simla as Meteorologist, 1922; Calcutta, 1926-29 (First whole-time Storm Warning Officer); Poona, 1930-36; Karachi, 1936-39; Poona, 1939-42; Bangalore, 1942; Superintending Meteorologist, 1942; New Delhi, 1942; Deputy D.G., Poona, 1946; Pres., Regional Assoc. for Asia under World Meteorological Organisation, 1951-53; Chairman, Atmospheric Research Cttee.; Ex-Officio Editor, *Indian Journal of Meteorology and Geophysics*. *Publications*: Scientific papers and articles in departmental and other publications. *Address*: Meteorological Office, Lodi Road, New Delhi.

SOKHEY, Maj.-Gen. Sir Sahib Singh, Kt. (1946), I.M.S., M.A., B.Sc., M.D. (Edin.), D.T.M. & H. (Lond.), Fellow, Indian Academy of Sciences; Fellow, National Institute of Sciences of India; was Assistant Director-General, World Health Organisation, Geneva, b. 15th Dec. 1887; m. late Menaka—celebrated Indian danseuse; *Educ.*: Govt. College, Lahore, Edinburgh Univ., London Academy Medical College, Trinity College, Cambridge, John Hopkins Univ., Harvard Univ. and Toronto Univ. Joined I.M.S., 1913 coming first in the Competitive Exam; served in World War I, 1915-21; Rockefeller Foundation Fellow, 1923-25; joined Haffkine Institute, 1925 as Asstt. Director; Director, 1932-49; Director (Production), Haffkine Institute, Dec. 1940-March 1950; Wm Stalin Peace Prize, 1954. *Publications*: Scientific papers in various science journals. *Address*: C/o Haffkine Institute, Bombay.

SOMAN, Ramchandra Ganesh, Chairman, Board of Directors, Western India Life Insurance Co. Ltd., Satara; District Pleader; ex-Chairman, Bombay Leg. Council, b. 24th November, 1876; m. Mrs. Sitabai Soman; *Educ.*: Satara. Started practice at Satara (1900); edited a Weekly named *Prakash* for 15 years; was member of Bombay Leg. Council for Satara Dist., 1924-26 and 1934-36; was a follower of Lok. Tilak; member of the Congress for more than 40 years; elected member and Deputy President on Congress ticket to the Bombay Leg. Council, 1937; elected President of Satara Municipality for triennial period, 1938; Chairman, Board of Directorate of United Western Bank, Satara; confined in jail as detenu, 1932 and Jan. 1941 and again, Sept. 1942 under Defence of India Rules; released on health grounds, Dec. 1943; appointed on the Council of D. E. Socy., Poona, on the demise of late Sir D. Cooper; elected President, Bom. Leg. Council, 1947-52. *Address*: Shanwar Peth, Satara City.

SONI, Captain Seth Sir Bhagchand, Kt. a leading Banker and Merchant, comes of an ancient family renowned for its charities, one of its members the great-grandfather of the



Raj Bahadur built the magnificent Jain Temple at Ajmer. Proprietor of the firm of Seth Joharmal Gumbhirmal, Ajmer. b. November 11, 1901. President, Rajputana Olympic Association; M.L.A., Central, 1935-45; Chairman and Managing Director, Soni Industries Ltd.; Managing Agents of the Maharaja Kishengari Mills Ltd.; Chairman, Maharaja Kishengari Mills; Director, The Amalgamated Katlam Electric Supply Companies Ltd., Mewar Textile Mills, The General Assurance Society, The Jodhpur Commercial Bank Ltd.; Pres., All-India Digamber Jain Mahasabha; Life member, Jodhpur Flying Club; Chairman, Indian Club, Ajmer; has given large contributions and donations for charities and is running the Tikam Chand Jain High School for boys, and a girls' school at Ajmer. *Hobbies*: Photography and Music. *Address*: Tikam Niwas, Ajmer.

SONI, Vallabhdas Kalyanji, B.Sc., Business man, b. June 28, 1929, s. of T. Kalyanji and Dalbal of Bangalore, m. Smt. Hira, d. of Mr. and Mrs. Lalji Vaghji Javeri, Bombay. *Educ.*: Khalsa Coll., Bombay; took B.Sc. degree of the Bombay Univ. Entered into mining business in Goa on a large scale; knows Hindi, English, Portuguese, Gujarati and Konkani. *Recreations*: Badminton; Swimming. *Address*: Casa Moderna, Margao, Portuguese India.



SORCAR, Pratul Chandra, Magician, b. Feb. 23, 1913, at Tangail, Eastern Pakistan, s.s. of Bhagwanchandra Sarkar; m. Smt. Basanti, d. of Dr. P. N. Mazumder, M.B., B.S., 1937; three s. and two d.; *Educ.*: Calcutta Univ. upto B.A. with Maths. (Hons.). Represents in his person the seventh generation of a family of magicians; took to magic before he was conscious of it; celebrated his Silver Jubilee as exponent of natural magic and prestidigitation, 1951; has by his stage performances and writings brought to the public the cultural and international appeal of the art of Indian magic; holder of the "Sphinx" Gold Award (the 'Nobel Prize' of Magic) from New York for the world's best stage magic and is the only magician in the world today to have received this coveted award twice; hailed as "World's Greatest Magician" in Germany and awarded Royal Medallion and the Golden Laurel; Hon. Member of the very exclusive Magicians' Club, Tokyo (Japan), being the first non-Japanese, Asian or European, to receive this honour; Leicester Magic Circle (England); Cercle de Prestidigitation (Belgium); *Magischer Zirkel von Deutschland* (Germany); Hon. Member of degree 'Maitre Magicien' in AFAP (Association Francaise du Artistes de Prestidigitation, Paris); Pres., All-India Magicians' Club, Calcutta; the Calcutta Branch of the International Brotherhood of Magicians, U.S.A. the "P.C. Sorcar Ring" is named after him; cycled on Place de l'Opera, Paris, blindfolded and hooded, 1950 and in Calcutta, 1936; his demonstration of such powers televised by London B.B.C., New York N.B.C. and Chicago W.G.N., 1950; performed at World Magic Convention (Chicago), May 1950. *Publications*: 16 works on magic and allied subjects in English, Hindi and Bengali; regular contributor to French, German, Dutch, Belgian, Spanish, English and American magic journals; only magician in India to be invited regularly during the past 15 years to speak on magic over A.I.R. Radio Network and Radio Pakistan. *Recordations*: Magic. *Address*: "Indrajai," 12-3A, Jamir Lane, Ballyganj, Calcutta 19, West Bengal.



SOREN, Sunaram, B.A., B.L., Minister for Tribal and Rural Welfare, Labour and Commerce, Orissa, since 1952. b. 1921; *Educ.*: Baripada High School; Ravenshaw Coll., Cuttack; recipient of Govt. scholarships; B.L., Utkal Univ. Joined the Bar at Baripada, 1946; Pres., Adibasi Mahasabha in Mayurbhanj District; was the undisputed leader of about 8 lakh Adibasis; was elected leader of the opposition, Mayurbhanj State Assembly, 1948; imprisoned for revolutionary activities; released on medical grounds after two years; became Pres., Mayurbhanj Dist. Adibasi Congress, 1951; Ag. Pres., Nikhil Utkal Adibasi Congress, since Sept. 1951; performed election tours in some of the Adibasi Districts of Orissa; was elected to the Orissa Leg. Assembly, 1952. *Address*: Secretariat, Cuttack.

SREENIVASAN, M. A., Retired Prime Minister, Gwalior State, and Retired Minister, Mysore State. b. Sept. 20, 1897; *Educ.*: Hindu High School, Madras and Central Coll., Bangalore. Entered the Mysore Civil Service, 1917. Served in practically all departments of Government including Revenue, Judicial, Finance and Audit, Army, Industries, Local Administration and the Secretariat; Financial Adviser, Hydro-



Electricity Department, 1925-28; deputed to

Europe and America in connection with the Mysore State business in London and New York, 1928-30; was later deputed to report on the economic and social conditions of labour in the Kolar Goldfields, 1931; special duties in the Industries Dept. to rehabilitate and manage the Sri Krishnarajendra (Textile) Mills, Mysore, 1931-34. Deputy Commissioner and President, City Municipal Council, and Chairman, City Improvement Trust Board, 1935-39; Govt. Director, Industrial Concerns (comprising Chairmanship or Govt. Directorship of eleven major industries in Mysore State), 1939-40; services lent to the Govt. of India during the war as Controller of Supplies, South India, May 1940; recalled in April 1943 by His Highness the Maharaja of Mysore for appointment as Minister for Food, Industries, Civil Supplies, Forests, and Mining; Chairman, Mysore Iron and Steel Works, Board of Industrial Research, etc., 1943-45; Minister for Agriculture, Local Self-Government, Army, etc., 1945-46; Vice-President, Executive Council, Gwalior State and Member, Constituent Assembly, Council of Ministers, States Negotiating Committee, Union Constitution Committee, etc., 1947-48; Chairman, Kolar Gold Mining Companies; Director, Buckingham & Carnatic Co., Consolidated Coffee Estates (1943) Ltd., Coffee Lands & Industries (Mysore) Ltd., Harry Ferguson of India Ltd., The Indian Cable Co., Ltd., etc. *Address*: High Ground, Bangalore.

SRI KRISHNA, Dr., C.I.E. (1942), Ph.D., D.Sc. (Lond.), F.N.I., Scientific Adviser and Scientific Liaison Officer to the Indian High Commission, London, since 1950. b. July 1896 at Lahore, s. of late M. Mohan; m. Usha Khanna (died 1928); *Educ.*: Punjab Univ.; D.S.I.R. (England); Research Scholar, 1919-21; Queen's College, London; King's College, London. Elected Fellow of the Royal Institute of Chemistry, 1923; Research Assistant, Chemistry Dept., King's College, London, 1924; appointed Reader in Organic Chemistry, Punjab Univ., 1925; appointed Biochemist, Forest Research Institute, Dehra Dun, 1928; elected Foundation Member of the National Institute of Sciences, India, 1937; elected Pres., Chemistry Section, Indian Science Congress, 1940; appointed Vice-President, Forest Research Institute & Colleges, Dehra Dun, 1947; represented India at the Fifth Empire Forestry Conference, London, 1947; Leader of the Scientific Delegation to Australia, 1948; Dir. of Forest Research, Forest Research Institute & College, Dehra Dun, 1948-50. *Publications*: Over a hundred publications, mainly on plant products. *Recreation*: Tennis. *Club*: Dun Club. *Address*: The High Commission of India, India House, Aldwych, London, W.C.2.

SRI RAM, Nilakanta, B.A. (Madras), President, Theosophical Society. b. Dec. 15, 1889; m. Smt. Bhagratlani Ammal; two s. and one d.; *Educ.*: Madras. Worked with Dr. Annie Besant in her newspaper, *New India*; was on the *Leader* staff for a short time; has been Secy., Treasurer and Vice-Pres., Theosophical Society; has been travelling abroad, lecturing and writing. *Publications*: *An Approach to Reality, A Theosophist Looks at the World, The Human Interest*, etc. *Address*: Theosophical Society, Adyar, Madras 20.

SRINIVASAN, C. R., Managing Editor, *Suvasamitran*, Madras. b. Nov. 28, 1889. *Educ.*: Presidency Coll., Madras; travelled widely in India for business contacts, 1910-15; Manager and Assistant Editor, *Suvasamitran*, 1915-28; Editor, from 1928; also Managing Dir. from 1934; devoted special attention to the study of problems relating to Banking, Industry and Commerce and presided over several Conferences on these subjects in Madras State; Pres., Local

Board, Reserve Bank of India from its inception; Dir., Central Board, from 1937; first Indian Trustee of Reuters Ltd.; Dir., P.T.I. Ltd.; Pres., A.I.N.E.C., 1949-50; Dir. Board of former Bharat Lines Ltd., Bombay; Ashok Motors Ltd.; East India Distilleries Ltd.; Deccan Sugars Ltd.; Kumbakonam Electric Supply Corporation Ltd.; Negapatam Electric Supply Corporation Ltd., etc.; presided over several journalistic conferences; member, Executive Cttee., I.E.N.S.; visited Burma, Ceylon and Malaya for cultural contacts; Europe, 1948 and 1949; Canada and U. S. A., 1950. *Publications: Standards and Values; A.B.O. Talks, in English and The Balance in Tamil. Address: "Swadesamitran," Madras.*

SRINIVASAN, Kasturi, B. A., Managing Editor, *The Hindu*, Madras. b. Aug. 1887, eldest son of the late S. Kasturi Ranga Iyengar, Prop. and Editor of *The Hindu*; *Educ.*: Graduated from the Madras Presidency Col. Joined *The Hindu* as Manager and assumed Editorship in February 1934; President, All-India Newspaper Editors' Conference (1940-44); Chairman, Indian Section of the Empire Press Union, 1943-45; President, Indian and Eastern Newspaper Society, 1947; Chairman, Press Trust of India Ltd., 1947-52. *Address: Sabarnati, Mowbrays Road, Madras 18.*

SRIVASTAVA, J. K., B.Sc. (Tech.), A.M.C.T., A.T.I. b. Nov. 13, 1913, s. of Dr. Sr. J. P. Srivastava, K.C.S.I., K.B.E., M.C., and Lady Kallash Srivastava; m. Mrs. Raj Mohini Srivastava, d. of L. Karamchand Thapar of Calcutta; one s.; *Educ.*: Philander Smith College, Naiin Tal; Grimes Tutorial School, Manchester; College of Technology, Univ. of Manchester. Training in Mills and Works in Europe; worked at the Liverpool Cotton Exchange. Returned to India to join business; President, U.P. Chamber



of Commerce, Kanpur, 1945-49 and 1952-54; member: State Planning Board, Indian Central Cotton Cttee., representing the U.P. Mills; M.L.A. representing the U.P. Chamber of Commerce, 1945-April 1952; Member: All India Council for Technical Education, Govt. of India; Central Employment Advisory Cttee., Govt. of India; All India Cttee. for Higher Technical Education Abroad; Zonal Itly. Users' Consultative Cttee., Northern Rly., New Delhi; Board of Industries, U.P.; Chairman, Advisory Board, Central Bank of India; member: Local Posts and Telegraphs Advisory Cttee., Lucknow; Executive Cttee., Post-war Reconstruction Cttee., U.P.; Finance Cttee. and Syndicate Cttee., Univ. of Roorkie; Non-official Advisory Panel attached to the U.P. Transport Board; Director: Raza Textiles Ltd., Rampur; Rampur Timber & Turnery Ltd.; New Bhopal Textiles Ltd., Bhopal; Jagatjit Cotton Textile Mills Ltd., Phagwara; Concord of India Insurance Co. Ltd., Calcutta; Pioneer Ltd., Lucknow; Sir J. P. Srivastava & Sons (Rampur) Ltd., Rampur; Managing Director: The New Victoria Mills Co. Ltd., Kanpur; Shree Sadul Textiles Ltd., Sri Ganganagar (Rajasthan); Rampur Finance Corporation Ltd., Rampur; J. P. Srivastava & Sons Ltd.; Sir J. P. Srivastava & Sons (Bikaner) Ltd.; Sir J. P. Srivastava & Sons (Bhopal) Ltd.; Sir J. P. Srivastava & Sons (Madhya Bharat) Ltd. *Recreations: Tennis, Riding, Shooting, Yachting, Rowing, Swimming. Clubs: Boat House Club Ltd., Naiin Tal; Cawnpore Club Ltd., Kanpur; Delhi Gymkhana Club, New Delhi. Address: Managing Director, New Victoria Mills Co. Ltd., Gwalior, Kanpur; Kallash, Nawabganj, Kanpur.*

STACK, Cecil, Managing Director, The Dunlop Rubber Co. (India) Ltd. *Educ.*: Whitgift, Croydon. Joined the Dunlop Rubber Co. Ltd., U.K., 1922; President, Institution of the Rubber Industry (London), Indian Section; Chairman, Association of Rubber Manufacturers in India. *Recreations: Rugger and Cricket. Address: 52/3, Ballygunge Circular Road, Calcutta 19.*



SUBBARAO, Mr. Justice K., B.A., R.L., Judge, High Court, Madras, since March 1948. b. July 15, 1903, s. of K. Subrahmaneswara Rao, B.A., B.L., Pleader, Rajahmundry; m. K. Parljatham, d. of Rajadharaprasanna P. Venkataramana Rao, Retired Chief Justice, Mysore High Court; one s. and one d.; *Educ.*: Govt. Arts Coll., Rajahmundry; Law Coll., Madras. Practised in Madras High Court from 1926. *Club: Cosmopolitan Club, Madras. Address: 'Corner House', Marshall's Road, Egmore, Madras.*

SUBBARAYAN, Dr. Paramasiva, M.A., B.O.L. (Oxon.), LL.D. (Dublin), Zamindar of Kumaramangalam; ex-Chief Minister, Madras, b. 11th Sept. 1889; m. Radhabai Kudmal, d. of Rai Sahib K. Rangarao of Mangalore; three s. and one d.; *Educ.*: Newington School, Madras, the Presidency and Madras Christian Colleges and Wadham College, Oxford. Was Council Secretary for a few months in the first reformed Legislative Council; has been a member of Madras Legislative Council representing South Central Landholders from 1920; Chief Minister, Government of Madras, 1926-30; elected to the Madras Legislative Assembly unopposed for Tiruchengodu rural; member, A.I.C.C., 1920 and 1937-49; Minister for Law, Madras, 1937-39, and 1947-48; Indian Ambassador in Indonesia, 1949-51. *Address: Tiruchengodu, Salem District.*

SUBRAHMANYAM, Kandala, LL.B., Member, House of the People, b. July 17, 1920, s. of S. Hemasayi; m. Smt. Surya Kantham; *Educ.*: Maharajah's Coll., Vizianagram; Banaras Hindu Univ.; took LL.B. from R.L. Law Coll., Belgaum, March 1946. Has been in the Congress, 1939-47; Secy.: Socialist Party, Vizag. Dist., 1947-50; Socialist Party (Andhra State), 1950-51; Belgaum City Students' Union, 1944-45; Jt. Secy.: Karnatak Provincial Students' Federation, 1944-45; Vizag. District Congress Assembly, 1945-46; member, Andhra Prov. Congress Cttee., 1945-46. *Address: Dasannapeta, Vizianagram; 156, North Avenue, New Delhi.*

SUBRAMANIAN, Kavasseri Narayana, M.A., O.B.E. (June 1946), Jt. Secretary, Ministry of Labour, Govt. of India, since March 1948. b. June 4, 1909; m. Smt. Janaki Subramanian; one s. and one d.; *Educ.*: Zamorin's Coll., Calicut; Presidency Coll., Madras; School of Oriental Studies, London. Entered I.C.S., 1932; Under-Secy. to Madhya Pradesh Govt., 1938-39; Dist. Magistrate (Chhindwara, Chanda, Buldana), 1939-44; Deputy Secy. to Madhya Pradesh Govt., 1944; Secy., 1945-47; Management Engineer, United Nations Secretariat, New York, 1947-48; was Secy., Ministry of Labour, Govt. of India, for some time from July 1953. *Recreations: Tennis and Movies (amateur). Club: Delhi Gymkhana Club, New Delhi. Address: Ministry of Labour, New Delhi.*

SUBRAMANYAM, Palghat Ramakrishna, M.A., Stock, Share and Finance Broker, b. 5th June 1909 in Palghat; m. Smt. Ambujam Hariharan Iyer in 1930; three s. and one d.; *Educ.*: in Mysore; obtained first rank in B.A. Degree Examination held by the Mysore University with Mathematics, Economics and Statistics as optional subjects, in 1929; was the recipient of four gold medals; was a merit scholarship holder in the B.A. as well as M.A. classes; passed M.A. Degree with distinction with advanced Mathematics, Statistics and Mathematical Economics as his special subjects. Joined Messrs. Bativala and Karani, as Statistician, Investment Consultant and Sub-broker, 1933; after serving them for a period of eight years and three months, was elected a member of the Bombay Stock Exchange on October 7, 1941 and started independent business as a Stock, Share and Finance Broker on November 28, 1941; as an Underwriter, has been responsible for placing several issues on the market (Total Issued Capital of about Rs. 4 crores); Director of several Joint Stock Companies. *Address: 70-A, Stock Exchange Building, Apollo Street, Fort, Bombay.*



SUBRAMANYAM, V. R., Proprietor, Manyam & Co., Madras, Bangalore & Bombay, Manufacturers of Raja Snow and other Raja products, b. Feb. 17, 1906, at Madras, only s. of late V. Raju Mudaliar, a prominent merchant of Bellary; has travelled extensively in India and also visited United Kingdom and several countries in Europe, 1951; visited the countries of the Far East and travelled throughout Japan, 1952. *Address: Raja Snow Buildings, Seshadripuram, Bangalore.*



SUDEHARKAR, S. A., ex-Dewan of Baroda, b. 1891; *Educ.*: Baroda College, and Law College, Bombay. Began career as Pleader in the Baroda High Court in 1913; entered Baroda service as Pulne Judge of the High Court in 1934; Legal Remembrancer, 1936-1941; Chief Justice, 1944; appointed Education Member in 1946; Constitutional Adviser to Jodhpur State, 1944; awarded gold medal of Rajya Ratna Mandal, 1933; takes keen interest in public service; was elected member of Baroda Municipal Corporation in 1915; elected Vice-President in 1924; first non-official President, 1929-34; was nominated member of the Baroda Legislative Assembly, 1925-34; worked on various committees such as Hindu Law, Dhara Sabha Expansion, Legal Dictionary, etc.; appointed Acting Dewan on the retirement of Sir B. L. Mitter on 1st October, 1947; confirmed as Dewan on 28th Jan., 1948 and retired on 1st June 1948; awarded gold medal of Arunaditya Mandal carrying with it the title of "Raj Karya Dhurandhar", 1949; takes active interest in the Co-operative Movement; Pres., Anyonya Sahayakari Mandal, Baroda, the oldest urban Co-operative Bank; is Director, Baroda Co-operative Land Mortgage Bank, Baroda; elected Pres., Shree Sayaji Vihar Club, Baroda; Vice-Pres., Maharaja Pratapsinh Coronation Gymkhana, Baroda; Pres., Co-operative Stores in Baroda. *Address: "Swayam-Prakash", Pratap Ganj, Baroda.*



SUKHATAP, Pandurang Varadde, B.Sc., Ph.D. (London), D.Sc. (London), F.N.I., Chief of the Statistics Branch, Food and Agricultural Organisation of the United Nations, Rome, since Aug. 1951. b. July 27, 1911; m. Indumati Deval; three s. and one d.; *Educ.*: Ferguson College, Poona; University College, London; Galton Laboratory, London; Rothamsted Agricultural Experimental Station, Harpenden. Statistician to Economic Adviser to Govt. of India, 1938; Asstt. Professor of Vital Statistics, All-India Institute of Hygiene, Calcutta, 1939-40; Statistical Adviser, Indian Council of Agricultural Research, 1940-51; elected Fellow of the American Statistical Assoc., 1951. *Publications*: Editor of Journal of the Indian Society of Agricultural Statistics; Author of the book on *Sampling Theory of Surveys*, published by Iowa State College Press and Indian Society of Agricultural Statistics, 1953; also of several original research memoirs, e.g., *Bipartitional Functions* published by Royal Society, London; evolved the technique of random sampling for estimating crop production. *Address*: Rome, Italy.

SUKTHANKAR, Yeshwant Narayan, O.I.E. (June 1941), B.A., LL.B., Bar-at-Law (Lincoln's Inn), I.C.S., Planning Commissioner, Govt. of India, New Delhi, since Dec. 8, 1952. b. Aug. 24, 1897, s. of late Narayan Vishnu Sukthankar, Civil Engineer and Architect; *Educ.*: Bombay and Cambridge Universities. Joined the Indian Civil Service, 30th October, 1922; served in Madhya Pradesh as Asstt. Commissioner; Offg. Deputy Commissioner, April 1927; Under Secy. to Govt., Madhya Pradesh, Oct. 1932; Offg. Revenue Secy. to Govt., Madhya Pradesh, June 1933; Deputy Indian Trade Commissioner, July 1934; acting Indian Trade Commissioner, Oct. 1934; and again, Sept. 1935; Deputy Secy., Commerce Dept., Govt. of India, July 1937; Deputy Commissioner (confirmed), August 1937; Tea Controller for India, Oct. 1939; Secy., Commerce Dept., Govt. of India, Aug. 1946-Aug. 1947; Secy., Ministry of Transport, Aug. 1947-Dec. 1951; Secy., Commerce and Industry Ministry, Dec. 1951-Dec. 1952. *Recreations*: Long walks, Reading. *Club*: Delhi Gymkhana. *Address*: 3, Queensway, New Delhi.

SUNDARAM, Kuthar Vaidyanath Kalyan, B.A. (Hons.) (Madras Univ.), I.C.S., Secy. to the Govt. of India, Ministry of Law, since April 1948. b. Jan. 1, 1904, s. of the late K. S. Vaidyanatha Iyer, M.A., L.T., Madras Educational Service; m. Indira, d. of Sardar Umrao Singh Sher-gil of Maljtha; *Educ.*: Coimbatore College; Presidency College, Madras and Christ's College, Cambridge. Appointed to the I.C.S., October 1927; served in Madhya Pradesh as Assistant Commissioner, District Judge and later as Registrar of the Nagpur High Court, 1927-36; Reforms Officer of the Govt. of India, 1936-39; Legislative Department of the Govt. of India, 1938-48. *Club*: Delhi Gymkhana. *Address*: 5, Race Course Road, New Delhi.

SUNDARA Raj, Dewan Bahadur Dr. B., F.N.I., O.I.C.S.E. (Fisheries) on contract with Ceylon Govt., since 1950. b. 1888; m. Phyllis Seymour Darling, M.B.S.T., F.R.G.S.; *Educ.*: M.A. (Madras) and Ph.D. (Liverpool). Dir. of Fisheries, Madras, 1923-40; Pres., Ind. Sc. Con. (Zoology), 1923; member, Fish Committees, I.C.A.R.; conducted 5 record Pearl Fisheries, 1926-28; inaugurated Fish Refrigeration, Pearl Farming and Medicinal Fish Liver Oil Industry in India; Fishery Development Officer, U.P., 1944-50. *Publications*: Author of many fisheries publications, notably the Madras Fisheries Bull., 1923-41, including 1st Fish Statistics and reports on trawling in Madras; Dams & Fisheries, Proc. Ind. Acad. Sc., Vol. XIV, Chief Zoological publications: papers on Fauna of Krishnadal Island, Madras Govt. Mus. Bull., 1927; several accounts of Fish including a new genus of Schizothoracine and new crops,

Ind. Mus. Rec. Vols. XII & XIII and Proc. Ind. Sc. Cong., 1915 onwards. *Address*: "Park View," Miller Road, Kilpauk, Madras.

SUNDARAM, Dr. Lanka, M.A. (Madras), Ph.D. (Lond.), Scholar, Hague Academy of International Law (1931), M.P., Publicist; Editor, *Commerce and Industry*, New Delhi. b. Nov. 26, 1904, 1st s. of late Lanka Sitharamayya Garu and late Smt. Ramayamma Garu of Machilipatnam; m. Smt. Kamala Devi; *Educ.*: Noble Coll., Machilipatnam; London Univ. Collaborator of the League of Nations (1931), member, Indian Delegation to the General Assembly of the U.N. (1946) and the Human Rights Commission (1947); of the Deptt. of Politics and Economics, Andhra Univ.; investigated the conditions of life and work of Indian resident communities in Ceylon, Malaya, Siam, Indo-China and Burma; Pres., All-India Linguistic States Conference, 1952-53 and 1953-54; member: House of the People from the Visakhapatnam constituency (Independent); Estimates Cttee. and Business Advisory Cttee., House of the People; Foreign Affairs Group of the Prime Minister (1952, 1953, two terms). *Publications*: *India in World Politics* (1944); *India's Armies and Their Costs* (1946); *Nationalism and Self-Sufficiency* (1944); *A Secular State for India* (1944); *Indians Overseas* (1933); *Mughal Land Revenue System* (1930); *Cow Protection in India* (1927), etc., etc. *Recreation*: Chess. *Address*: Pavani Kutir, Maharanipeta P.O., Visakhapatnam; Prabhudatta Building, Connaught Circus, New Delhi.

SUNDARESAN, Nivard, B.A., B.L., O.R.E., Deputy Governor, Reserve Bank of India. b. June 18, 1898; *Educ.*: Christian Coll., Madras & Law Coll., Madras, Deputed to the British Empire Exhibition, Wembley; thereafter in Currency Dept. and Finance Dept. till March 1937; services lent to the Govt. of Burma in Audit Dept. till March 1941; attached to the Supply Finance Dept. as Dy. Financial Adviser from April 1941 to June 1942; re-posted to Finance Dept. in August 1942, first as Dy. Secy. and later as Jt. Secy.; India's Director on the World Bank and Financial Counsellor to the Indian Embassy at Washington, 1946-49; was India's Alternate Governor of the International Bank of Reconstruction and Development. *Club*: Calcutta Club. *Address*: Reserve Bank, Bombay.

SURYANARAYANA, A. V., B.Sc., B.Sc. Hons. (Tech.), F.I.C.S., M.I.C.I. (I.), has been Chemical Engineer, United Nations Expert, Salt Technology, Ceylon. b. July 25, 1914, at Chipurupalle, Vizag. Dt.; *Educ.*: Andhra Univ., Waltair; took B.Sc. degree in Chemistry, 1934; B.Sc. Hons. degree in Chemical Technology, 1936. Worked in Sugar Factories till 1940; joined Andhra Scientific Co., Ltd., Masulipatnam to start a Fine Chemical Manufacturing Section, 1940; took charge of National Chemicals Ltd., Masulipatnam as Works Manager, 1945; designed and fabricated and worked all the Chemical Process Plants and Equipment at National Chemicals Ltd., in association with the well-known Chemical Engineer, Mr. J. N. Bewsher of England; redesigned and improved the Salt and Refined Salt works at Kanuparti, Guntur Dt.; has about 16 years of practical experience in the Administrative, Technical and Production Branches of Chemical and Allied Industries; has established a Consulting Business of his own as a Chemical Engineer. *Address*: Gandhinagar, Anakapalle, Vizag. Dist., Andhra State.

SWAMI Ranganathananda, Secretary, Rama-krishna Mission, New Delhi. b. December 15, 1908. A Sanyasin of the Ramakrishna Order of Monks; joined the Ramakrishna Mission, Mysore in 1926; took orders in 1933; served as Secretary and Librarian of the Ramakrishna

Mission Society Free Library and Reading Room, Bangalore, July 1939 to Feb. 1942; President, Ramakrishna Math and Mission Branch at Karachi, Aug. 1942 to Aug. 1948. *Address*: New Delhi 1.

SWAMI Sambuddhamanda, President, Sri Ramakrishna Ashram, Bombay. b. 1898, Monk of the Order of the Ramakrishna Math and Mission; *Educ.*: Calcutta. Member: Board of Trustees, Belurmath, Calcutta; Governing Body, Ramakrishna Mission, Belurmath, Calcutta; Executive and Working Cttee., Indian Conference of Social Work; Board of Administration, Sheriff's Ramdas Relief Fund and Ex. Com., Sir Byramjee Jeejeebhoy (Western India Society for the Protection of Children) Institute for the Orphans. *Publications*: *Vedic Prayers*; *The Message of the Himalayas*; *Nachiketa*; *Vedanta through Stories*; *Kurukshetra* (in the press); *Bhagavadgita*; *Hainarati-Uma*. *Address*: Khar, Bombay 21.

SWAMINADHAN, Mrs. Kramu, M.P. b. April 22, 1894, of Anakkare Vatakkath family, Malabar; m. Dr. Subbarama Swaminadhan (died 1930); two s. and two d.; *Educ.*: privately. Elected member, Madras Corporation, 1936-40; Central Legislative Assembly, 1945; member, Constituent Assembly, 1946-50; Vice-Pres., All India Women's Conference; member, Good-will Mission to Ethiopia, 1948; Delegate to the ECOSOC Conference, Geneva, 1949. *Recreation*: Gardening. *Address*: Gluchrist Gardens, Chetput, Madras.

SWAMINATHAN, C., Joint Secretary, Ministry of States, Govt. of India, since April 1951. b. December 25, 1907; *Educ.*: Presidency College, Madras. Indian Audit Dept. (1930); joined the Finance and Commerce Cadre as Under-Secretary, Government of India, Commerce Dept. (1940); Deputy Secretary, Commerce Dept. (1945); Deputy Secretary, Finance Dept. (1946); Secretary, Central Board of Revenue (1947-48); Secretary, Indian States Finances Enquiry Committee (1948-49); Joint Financial Adviser, Food (1949); Officer on Special Duty and ex-Officio Joint Secretary to Government, Ministry of States (1950). *Address*: 4, Asoka Road, New Delhi.

SWARUP, Virendra, B.A., LL.B., Journalist and Advocate. b. July 25, 1921, s. of Dr. Brijendra Swarup, B.A., LL.D., M.L.C., Advocate and Mrs. Hansmukhi Devi; m. Dhara Rani, d. of the late Rai Bahadur Dr. Ram

Kishore, Advocate and ex-Vice-Chancellor, Delhi Univ., June 30, 1948 at Delhi; *Educ.*: D. A. V. College, Kanpur; awarded the Rameshwar Prasad Bagla Gold Medal for being first in order of merit at the LL.B. (Final) Examination, Agra Univ., 1947; also awarded the Nitikshore Mohra-Durrant-Haythornth-walke Silver Medal for proficiency in Criminal Law. Special Representative at Kanpur of the English Daily of U.P. the *Pioneer*, since July 1946; entered the legal profession, 1949; Correspondent of the *Statesman*, since Nov. 1949; elected member, Kanpur Municipal Board (now superseded) to represent upper India Chamber of Commerce, Sept. 1951; elected Chairman, Finance and Compulsory Education Cttees. of the Board, several times; Joint Secy., D. A. V. Coll. Trust and Management Society, U.P., Kanpur, since 1948; member, Agra Univ. Senate, since 1949; elected member, Commerce and Curriculum Cttees. of the Board of High School and Intermediate Education, U.P., since 1952. *Recreations*: Poetry, Cards, Tennis. *Address*: Civil Lines, Kanpur.

TAGORE, Rathindranath, B.Sc. (Illinois), Vice-Chancellor, Visvabharati. b. Nov. 29, 1888, s. of late Rabindranath Tagore; m. Smt. Pratima Devi; *Educ.*: Santiniketan and



Univ. of Illinois. General Secretary, Visva Bharti Society. *Publications*: *Pranitra* (A book on biology in Bengali); *Astiyaktibad* (A book on the Theory of Evolution in Bengali). *Recreations*: Artistic Leatherwork, Artistic Woodcraft and Painting. *Address*: "Uttarayana," P.O. Santiniketan, Dist. Birbhum (West Bengal).

TAKSEAK, Chaudhri Nihal Singh, B.A., ex-Finance Minister, PEPUSU. b. May 1, 1911; m. Shrim. Durgawati, d. of ch. Hargovind of Alwar; two s. and two d.; *Educ.*: Birla Coll., Pilani (Rajasthan); Ramjas Coll., Delhi. Inspector, Birla Education Trust Schools; M.L.A. (Jind), 1937-39 and 1942-46; Education Minister, Jind State, 1947-48; member, Constituent Assembly, India, 1947-48; Leader of merger movement of Jind State; resigned ministership of Jind State and organised the merger movement; arrested and detained by the State Govt.; member, Delimitation Cttee.; Secy., PEPUSU State Congress; Pres., Jind State Congress, 1948-49; Education Minister, Patiala & East Punjab States Union, 1949-50; member, Indian National Congress (U.N.E.S.C.O.), 1949. *Publications*: *Pakistan & Sir Chhotu Ram*; *Democracy in Jind*. *Recreations*: Farming; Adult Education. *Clubs*: Birla College Club; Ranbir Club, Sangrur. *Address*: Patiala.

TANDON, Purushottamdas, M.P., Ex-President, Indian National Congress. Practising Lawyer in Allahabad till 1921, when gave up practice to take part in Non-Co-operation Movement; President, U.P. Provincial Congress Committee, 1923; was jailed for one year and a half; worked for some time as Secretary and General Manager, Punjab National Bank, Lahore; joined Servants of People Society, founded by Lala Lajpat Rai in 1929 as President; Chairman, Allahabad Municipality, for several years; took prominent part in Civil Disobedience Movements, 1930 and 1932, and was jailed several times; organised no-rent campaign in U.P., 1932; took active part in Rowlatt agitation and Satyagraha, 1919; elected speaker, U.P. Leg. Assembly, 1937; kept in detention for over 8 months in 1941 and again for over two years, 9th Aug. 1942 to 22nd Aug. 1944; takes active interest in Hindi Sahitya Sammelan; Speaker, Legislative Assembly, U.P., 1946-50; resigned Congress Presidentship, September 1951; member, Congress Working Committee. *Address*: Servants of People Society, 10, Crothwaite Road, Allahabad.

TANDON, Raj Krishna, B.A., LL.B. (Punjab), B.A. (Hons.) (Cantab.), Barrister-at-Law, Acting Commissioner in British East Africa and also Commr. to Southern Rhodesia, Northern Rhodesia and Nysaland. b. Feb. 10, 1910. *Educ.*: Forman Christian College and Law College, Lahore, Emmanuel College, Cambridge and Middle Temple, London. Joined Punjab Civil Service; posted at Amritsar, Ambala and Delhi; in 1942 appointed Under-Secretary and later Deputy Secretary in Information & Broadcasting Department, Government of India; appointed Officer on Special Duty, Commerce Department, Government of India, Feb. 1946; Indian Government Trade Commissioner in Ceylon, May 1946 to July 1948. Dy. Chief Controller of Imports & Exports, Bombay, July 1948-Jan. 1950; Dy. Secy. and Joint Chief Controller of Imports, Ministry of Commerce, Govt. of India, Jan.-May 1950; Consul-General of India in the French Establishment in India, Pondicherry, 1950-54. *Publications*: Articles in various papers. *Address*: Nairobi.

TAPASE, Ganpatrao Devaji, B.A., LL.B. (1938), Minister for Rehabilitation, Fisheries and Backward Classes, Govt. of Bombay. b. 1910; m. Miss Rukhaminibai. *Educ.*: Ferguson College, and Law College, Poona. Was elected on Congress ticket to Satara City Municipality, 1938; was Chairman of Standing Committee and School Board,

Satara Municipality; elected President, Satara City Congress Committee, 1938-46; member, Executive Committee, M.P.C.C.; elected Secretary of Satara District Congress Committee, 1939-46; was Secretary of Akhli Maharasta Sarwanik Shikshan Parishad; participated in individual civil disobedience movement in 1940 and was detained for a year; was arrested in 1942 and was released at the end of 1943; is a good orator and experienced organiser; in 1946, was elected on Congress ticket to the Bombay Legislative Assembly from Satara District; again elected M.L.A. Bombay, 1952; is the first and youngest Harijan Minister of Bombay State. *Address*: "Chalet", Pawal Road, Malabar Hill, Bombay.

TARAPOREVALI, Jehangir Ardesheer, B.Sc. (Bom. & Edin.), M.I.C.E. (London), M.I. Struct. E., M.I.E. (India), Director, Technical Education, Bombay. b. March 23, 1903. s. of Ardesheer; m. Shireen; three d.; *Educ.*: Bombay, Edinburgh, London, Manchester. Reinforced Concrete Specialist; Structural Engineer; Prof. of Applied Mechanics; Principal, College of Engineering, Poona. *Publications*: A number of technical papers. *Address*: 8, Rocky Hill Flats, Malabar Hill, Bombay.

TARAPORVALI, Khan Bahadur Coorji B., Financial Adviser to H.E.H. The Nizam of Hyderabad, since 1949. b. September 3, 1896; m. Homa, d. of the late Jamshedji D. Panday of Bombay; 2 s. and 2 d.; *Educ.*: is a Staff Officer in Macneill & Barry Ltd., Calcutta; *Educ.*: St. Xavier's College, Bombay; B.A. (Hons.), 1917; B.Sc. (Distinction), 1918; Dakshina Fellow, Bombay Univ., 1918; Sir James Ferguson Scholar, 1919-20; Certified Associate of the Institute of Bankers, London, 1923. Lecturer, St. Xavier's College, Bombay, 1919-20; joined Imperial Bank, 1921; worked as agent at Sandhurst Road, Byculla, Yeotmal, Godhra and Ujjain branches of the Bank; joined H.E.H. the Nizam's Govt. Service as Assistant Secretary, Finance Department, 1930; Govt.-Auditor, Nizam's State Railway, 1938; Deputy Financial Secretary, 1940; Additional Financial Secy., 1945; Financial Secretary, 1946. Dy. Managing Director, Hyderabad State Bank, 1947. *Address*: Meher Manzil, Somajiguda, Hyderabad-Deccan.

TATE, Jehangir R. D., Chairman, Tata Sons Ltd. and Tata Industries Ltd. b. 1904. Joined Tata Sons, Ltd., 1922, as an assistant and appointed Director, 1926; started The Tata Sons Aviation Dept., 1932; first Pilot to qualify in India, holding a flying licence since 1929; inaugurated as pilot the Karachi-Bombay Air Mail Service in 1932 and the Bombay-Delhi service in 1937; Chairman and/or Director of all Tata and Associated Companies; also Chairman, Air India International Corporation; Director of The Bombay Dyeing and Manufacturing Co., Ltd., Hindustan Aircraft Ltd., Reserve Bank of India; member, Indian Delegation to the Third Session of the United Nations General Assembly at Paris, Sept. 1948. *Address*: Bombay House, Bruce Street, Fort, Bombay.

TEERTH, Swami Ramanand (formerly Vyankatesh Bhagwant Khedgikar), M.P. b. 1903, nephew of Shri Khedgikar, labour leader; *Educ.*: M.A. of the Tilak Mahavidyalaya; Organised labour at Sholapur, 1926-27; vow of Sanyasin in June 1931 at the hands of Narayan Swami, the first disciple of world-renowned Swami Rama Teerth; founded Yogeshwari High School, Mominabad; founded the People's Coll. of Arts, Science & Commerce at Nanded; founder, promoter and ex-Pres. of the Hyderabad State Congress; in jail on several occasions; elected to the House of the People, 1952. *Address*: C/o Yogeshwari Nutan Vidyalaya, Mominabad, Hyderabad.

TEHRI GARHWAL: Lt.-Col. His Highness Maharaja Manabendra Shah, the Maharaja of b. May 26, 1921; *Educ.*: Mayo College, Ajmer and Government College, Lahore. Succeeded to the gadi on the retirement of his father Lt.-Col. Maharaja Sir Narendra Shah, K.C.S.I., LL.D., May 27, 1946. *Address*: Narendranagar (Tehri-Garhwal State).

TENDOLKAR, Mr. Justice Shamrao Raghunath, B.A. (Hon.) (Bom.), LL.B. (Hon.) (Belfast) of Gray's Inn, Barrister-at-Law (Trinity, 1923), Judge, High Court, Bombay, since July 2, 1946. b. Oct. 21, 1899; *Educ.*: Rajaram Coll., Kolhapur; Elphinstone Coll., Bombay; Univ. Coll., London; Queen's Univ., Belfast. Advocate (O.S.) High Court, Bombay; Part-time Professor, Govt. Law Coll., 1938-41; Member, Bar Council, 1944-46; Pres., Bombay Cricket Assoc.; Steward, R.W.I.T. Club, Bombay. *Publication*: *The Bombay Rent Act*. *Address*: West Hill, Nepean Sea Road, Bombay 6.

THADDAEUS, Gustavus Theodore Joseph, B.A. (Madras), Rao Bahadur (Jan. 1942), Hon. Lieut., I.N.V.R. ex-Joint National Org. Commr. for India, Bharat Scouts & Guides, since Nov. 1950. b. Jan. 3, 1898, s. of Gabriel E. Thaddaeus and Elizabeth Thaddaeus (d.); m. Ellice Chandran; four d.; *Educ.*: Malabar Christian Coll., Calicut; Madras Christian Coll., Madras. Prov. Org. Secy., Boy Scouts Assoc., Madras, 1925-31; Org. Secy., All-India, 1931-37; Gen. Secy., Boy Scouts Association in India, 1937-50. *Publications*: *The All-India Boy Scout Diary* and the G.H.Q. Bulletins. *Recreations*: Long walks and Cycling. *Club*: Rotary. *Address*: 17-A, Curzon Road, New Delhi.

THAKKER, Nagindas Hiralal, Partner, Hiralal & Company, Importers-Exporters, and Manufacturers' Representatives, etc. b. 1926, s. of Hiralal Choonilal Thakker; m. Smt. Shantabai, d. of Mr. and Mrs. Bhawanji Hirji Canatra; *Educ.*: Gujarati, Hindi, English and Marathi. Widely travelled in India; has business relations all over the world. *Address*: Vasco da Gama (Goa).

THAKURDAS, Sir Purushottamdas, K.B.E. (June 1944), Kt. (1923), C.I.E. (1919), M.H.E., Cotton Merchant. b. 30th May 1879; *Educ.*: Riph. Coll., Bombay; Member, Indian Retrenchment Committee; Director, Reserve Bank of India; member, Royal Commission on Indian Currency and Finance (1926); delegate to Round Table Conference (1930-33); President, East India Cotton Association; Chairman, Oriental Life Assurance Co., Ltd.; Director, Associated Cement Companies Ltd. *Address*: "Suneeta," Ridge Road, Malabar Hill, Bombay.

THAPAR, Lieut.-General Daya Ram, M.D. (Edin.), D.T.M. & H. (London), C.I.E. (1946), O.B.E. (1942), Hon. Surgeon to the President (1951), Lieut.-General. Ex-D.G.A.F.M.S., Ministry of Defence. b. April 6, 1894, s. of late Dewan Bahadur K. B. Thapar, O.B.E.; m. Kaushalya (nee Khosla); one s. and two d.; *Educ.*: Govt. College, Lahore and Edinburgh Univ. Served in World War I in France as Surgical Specialist, held Staff and specialist appointments in India; commanded a hospital in Burma Rebellion, 1931-32; Commandant, I.A.M.C. Centre, Fendi, 1939-42; Commandant, Headquarters, I.A.M.C., Poona, 1942-45; member, Bueher Cttee., 1945; and Roy Cttee. on Integration of Med. Services; Deputy D.M.S. at General Headquarters, 1946-47; D.D.M.S. Southern Command, 1947; Indian Delegate to the International Cttee. of Military Medicine at Mexico and Havana, 1949 and awarded Golden Cross of Honour by Assoc. of Mil. Surgeons,



U.S.A.; Director-General, A.F.M.S., 1950. *Recreation*: Cinematography. *Clubs*: Imp. Delhi Gymkhana; Poona Club, etc., etc. *Address*: C/o Ministry of Defence, New Delhi.

THAPAR, Major-General P. N., Commander of a Communication Zone, since Oct. 1953. *b.* May 8, 1906. Commissioned from Sandhurst, 1927; spent nearly ten years with the 1st Punjab Regt.; attended staff courses at Quetta and Minley-Manor, England; saw service in Burma, 1941; was in the Middle East and Italy, 1943; was Asstt. Military Secy., G.H.Q., India; was selected to serve on the Army Reorganisation Cttee.; was for some time a first grade staff officer with the British Headquarters in Aden; commanded the 1st Bn., 1st Punjab Regt. in Indonesia, 1946; later commanded 161 Indian Infantry Brigade in East Bengal; Director of Military Operations and Intelligence, A.H.Q., India, August-Dec. 1947; officiated as Chief of General Staff for a few months; Military Secy., Feb. 1948-Aug. 1949; Master-General of the Ordnance, Army H.Q., Aug. 1949 to April 1950. *Address*: C/o Army Headquarters (India), New Delhi.

THIAGARAJAN, Karamattu, Founder Manager, Madura Insurance Co., Ltd. and Bank of Madura Ltd. *b.* 1893; *Educ.*: St. Thomas' Coll., Colombo. Joined the *Morning Leader* as



an apprentice; reported on labour conditions in the plantations in Ceylon; founded a Labour Union; was its Secy. for 7 years; was responsible for improving the terms and conditions of employment of Estate Labour; joined the Congress, 1914; became Secy., Prov. Congress, 1916; was member, A.I.C.C., 1917; started The Sree Meenakshi Mills, Ltd., 1921; led the agitation against the introduction of Hindi in Tamil Nad, 1937; Founder: Trust for the amelioration of the poor and needy in Tamil Nad; Visalakshi Kalasala High School in Athikadu Thekkur; Thiagarajar Coll., a first grade Coll. at Madurai; *Tamil Nadu*, a Tamil Daily in Madurai; owner and manager, *Democracy*, an English Weekly. *Address*: C/o The Tamil Nadu, Madurai.

THIMAYYA, Lieut.-General Kodendera Subayya, Distinguished Service Order (1944). Mentioned in Despatches (1944), and Mentioned in Despatches, Kashmir, 1948, G.O.C.-in-C., Western Command. *b.* March 31, 1906; *m.* Miss Nina Carlapa, Jan. 1935; one *d.*; *Educ.*: Bishop Cotton Boys' School, Bangalore; Prince of Wales' Royal Indian Milly. Coll., Dehra Dun; Royal Milly. College, Sandhurst, England. Commissioned into Indian Army, 1926; posted permanently to the 4/19 Hyderabad Regt. with which served in Iraq, Allahabad, Fort Sandeman, Quetta, 1936-39; Adjutant, 6th Bn. (Madras) U.T.C., 1939-41; served with 4/19 Hyderabad Regt. in Malaya, 1942-43; proceeded to Burma with 25 Indian Division; promoted Lt.-Col. and commanded 8/19 Hyderabad Regt. in operations, 1945; promoted Brigadier in command of a Brigade with 26 Div.; represented Indian Army in surrender ceremony at Singapore; commanded 268 Indian Infantry Brigade in Japan as part of occupation forces in Japan, 1946; member, Indian Armed Forces Nationalisation Cttee.; Military Adviser to Commander, Punjab Boundary Force; Commander, 4 Indian Division, 1947; Commander, East Punjab Area during boundary troubles; Commander, Indian troops in Kashmir, 1948-50; Commandant, National Defence Academy, Dehra Dun, 1950-51; appointed Military Adviser to U.N. Indian Delegation in Paris, 1951-52, in connection with Kashmir; Q.M.G., A.H.Q., 1951-53; was Chairman, N.N.R.C. Korea. *Recreations*: Hockey,

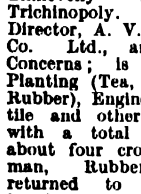
Tennis, Golf, Squash. *Club*: Imperial Delhi Gymkhana Club, New Delhi. *Address*: "Sunnyside," Mercara, Coorg.

THIVY, J. A., B.A. (Madras University), Barrister-at-Law, Inner Temple, Envoy Extraordinary and Minister Plenipotentiary for the Govt. of India in Syria. *b.* September 24, 1904; *m.* B. La Porte; *Educ.*: St. George's School, Malaya; Christian College, Madras; Inner Temple, London. Practised Law in Malaya; President of various Associations; during the war in East Asia was Minister of State and Secretary to Government (Provisional Govt. of India under Netaji Subhas Bose) and also Vice-President, Indian Independence League, South East Asia, 1942-45; after War, jailed; on release inaugurated the Malayan Indian Congress 1946; was its first President; organised delegation from Malaya to the Asian Relations Conference in New Delhi, 1947; Council member of Asian Relations Organisation; organised and was Chairman, Unofficial Board of Inquiry and prepared its report on the Police Shootings in Kedah State, Malaya, 1947; participated in producing the "People's Constitution for Malaya", 1947; Representative of the Govt. of India in Malaya, 1947-50; Commissioner for the Govt. of India in Mauritius, 1950-53; Consul-General for India in Madagascar, 1953; was mainly responsible for the Overseas Indians' Conference in London, June 1953. *Address*: Legation of India, Damascus.

THOMAS, A. M., B.A., B.L., M.P., Advocate, Supreme Court of India. *b.* 1912, *s.* of Alungal Mathai; *m.* Smt. Thankom; two *s.* and four *d.*; *Educ.*: St. Thomas' Coll., Trichur; Maharaja's Coll., Ernakulam; Law Coll., Trivandrum. Started practice at Ernakulam, 1936; elected to Cochin Assembly, 1948; became member, Travancore-Cochin Assembly; elected Speaker of that Assembly, 1951-1952; returned to the House of the People, 1952. *Address*: Advocate, Ernakulam.



THOMAS, A. V., M.P., Business man. *b.* Aug. 8, 1891; has one *s.* and three *d.*; *Educ.*: Tinnevely Dist. & Trichinopoly. Managing Director, A. V. Thomas & Co. Ltd., and Allied Concerns; is controlling Planting (Tea, Coffee and Rubber), Engineering, Textile and other companies with a total capital of about four crores; Chairman, Rubber Board; returned to Parliament, in the General Elections, 1952. *Recreations*: Tennis, Riding, Hunting, etc. *Clubs*: Cosmopolitan and Presidency, Madras; Gymkhana, Ooty; Royal Empire Society, London. *Address*: 2/21, First Line Beach, Madras.



THOMSON, Robert Gibson Stevenson, War Medals (1914/18), Managing Director, T. A. Taylor & Co. (Madras) Ltd.; also Manager, the Parker Pen Co. (India) Ltd., Madras. *b.* Sept. 4, 1893, *s.* of late John Thomson, J.P., Banker; *m.* Beatrice Mary Attwater; *Educ.*: Rothesay Academy & Liverpool Institute, Pres., The Caledonian Society, Madras, 1943-44; Municipal Councillor, Madras Corporation, 1942-45; Pilot Officer, 1st World War,



R.F.C., R.A.F. *Clubs*: Madras Club & Adyar Club; Madras Gymkhana Club; Madras Cricket Club. *Address*: "The Parsonage", San Thome, Madras.

TILAK, Dr. Smt. Shalimar Vishnu, M.B.B.S. (Bom.), F.R.C.S. (Edin.), Consulting Surgeon, Hony. Obstetrician and Gynaecologist, Basoon Hospitals, Cantonment General Hospital and Professor, B. J. Medical Coll., Poona. *b.* at Sholapur; *m.* Vishnu Trimbak Tilak, B.A., LL.B., Advocate, Poona, July 1, 1938; four *d.*; *Educ.*: New English School and Ferguson Coll., Poona; Seth G. S. Medical Coll., Bombay, Royal Infirmary, Edinburgh; took F.R.C.S., 1938. Practised at Matunga, Bombay, 1938-41; was Hon. Obstetrician and Gynaecologist, Wadia Maternity Hospital; Reader and Professor, Medical Coll., Agra, 1941-45. *Address*: Tilak Surgical and Nursing Home, 794, Sadashiv Peth, Near Vishrambaug-Wada, Poona 2.



TIRODKAR, Dr. Raghunath Sabajit, M.D. (Lond.), (1926), M.B.E., (1942), Consulting Physician. *b.* Nov. 8, 1892; *m.* Mrs. M. Tirotkar; *Educ.*: The Grant Medical College, Bombay; Deccan College, Poona; Univ. College Hospital; Medical School, London; C.M.O. Univ. College Hospital, London. Medical Officer, Westham Infirmary, London; Director, Medical Unit, G. T. Hospital, Bombay; Senior Physician, Sir J. J. Hospital, Bombay; Professor of Medicine, Grant Medical College, Bombay. *Address*: 94, Nepean Sea Road, Bombay; Marina Clinic, opp. Churchgate Station, Bombay 1.



TOYBERG-FRANZSEN, E. E. Harry, M.Sc., M.Inst.C.E., Minister of Denmark in India, since Feb. 16, 1950. *b.* March 5, 1906; *m.* Evie, T.F.; three *s.* and one *d.*; *Educ.*: Univ. of Copenhagen. Appointed to India, 16th Feb. 1950. *Address*: Royal Danish Legation, New Delhi.

TRAVANCORE-COCHIN STATE, Major-General His Highness Sri Padmanabha Dasa Bala Rama Varma, The Rajpramukh of. *b.* Nov. 7, 1912. *Address*: Kaudiar Palace, Kaudiar P.O., Trivandrum, S. India.

TRIPATHI, Dr. R. P., M.A., D.Sc. (Eoon.) (London Univ.), Vice-Chancellor, University of Sagar, Sagar, since April 10, 1950. *b.* Aug. 7, 1890; *m.* Clara Eleazar; one *s.* and three *d.*; *Educ.*: C. H. C., Banaras (1908-12); Lahore (1913-14); London (1924-26). Appointed Professor of History, Lucknow Christian College (1914); Reader in the Department of History (1916); Univ. Lecturer (1921); Univ. Reader (1927); Professor (1941); presided over Hyderabad Educational Conference (1928); Hindi Sahitya Sammelan, U.P. (1944); Braj Sahitya Mandal (1945); Chairman, Hindi Reward Committee, Govt. of U. P.; member, Film Enquiry, Govt. of India; elected Pres., Indian History Congress (1949); Prof. and Head, History Dept., Allahabad Univ., till April 1950. *Publications*: *Life of George Washington* (Hindi); *Some Aspects of Muslim Administration* (English); *History of Indian Constitution* (Hindi); *Historical Evolution of India* (Hindi); *Rise and Fall of the Mughal Power in India* (English); *Outlines of World History and Civilizations*. *Recreations*: Persian, Sanskrit and Hindi poetry. General interest in sports. *Address*: University of Sagar, 26, The Mall, Sagar, M. P.

TRIPATHY, Sadasiba, Minister for Revenue, Supply and Excise, Orissa. *b.* May 1910; *m.*; three *s.*; *Educ.*: Jeypore (Koraput District). Imprisoned one year

during individual satyagraha movement, detained for three years during the Quit India movement, 1942-45; returned thrice to the legislature, 1936, 1946 and 1952; was Minister for Revenue, Supply and Transport in the last Cabinet from 1948. Address: No. 18, Cantonment Road, Cuttack (Orissa).

TRIVEDI, Devasahaya, M.A. (Nagpur). Ph.D. (Patna). "Itihasa-Siromani" (1936). Has been Desk Editor, *Hindustan Times*, Delhi and *Searchlight*, Patna. b. Nov. 30, 1911, in Shahabad Dist., Bihar; m. Vidya Devi, a poet of Bijnor; Educ.: Queen's Coll., Banaras; Allahabad Univ.; Sanskrit Coll., Banaras; Patna Coll., Patna; Dr. Rajendralal Mitra Gold Medalist; first doctor of Patna Univ. in a non-Oriental subject; Education Officer, Jubbal State; founder of a new school of History. Publications: *Pre-Mauryan History of Bihar: Bhagavatlakshma; Sher Shah and His Successors; Bharatiya Shraman Vidhan; History of Monoghyr: Original Home of Aryans; Home of Vedas: Sheet Anchor of History; Date of Bharata Battle; Lord Buddha; Kaniska; Asoka's Eternal Religion; Vir Varagi Laskari*, etc., and many other papers in Indological and historical journals. Address: Sinha Library, Patna.

TRIVEDI, Adeshkhashanker Kamalashanker, M.A. (Philosophy) Class II, LL.B., Principal, S. B. Garda College, Navsari, since 1945. b. April 15, 1885, s. of



Kamalashanker Prashanker Trivedi, Principal, P. B. Training College, Ahmedabad; m. Shrimati Nannugoori Dave; three s. and two d.; Educ.: Poona, Nadiad, Broach, Ahmedabad Govt. High Schools; Guj. College, Ahmedabad; Elph. Coll., Bombay. Professor of Philosophy, Baroda College for 30 years; Fellow, Syndic, A. C. member; P. G. Board member; member, Sanskrit, Gujarati, Philosophy Boards for years, Bombay University, now of Gujarat University; Chairman, Sanskrit and Philosophy Boards for sometime, Bombay University, now of Phil. Board, Guj. Univ.; was Fellow, Sayajirao Univ.; Fellow and Syndic, Gujarat Univ.; Swagatadhyaaksha, Navsari Guj. Parishad Sammelan, 1952. Publications: In English—*A Manual of Ethics; Psychology; Studies in Deductive Logic; Studies in Inductive Logic; Logic in an Easy Chair*; edited the Baroda Coll. Golden Jubilee Commemoration Volume. In Gujarati: *Nivritti Vinoda; Sahitya Vinoda; Pravasa Vinoda; Atma Vinoda; Madhya Vyakarna Ane Sahityarachana*; Joint Author with his father of the Trivedi Reading Series (Gujarati). *Recreation: Travel*. Address: Havadin Chakla, Surat.

TRIVEDI, Sir Chandulal Madhavlal, K.C.S.I. (Dec. 1945), Kt. (1945), I.C.S., B.A. (Bom.), O.B.E. (1931), C.I.E. (1935), C.S.I. (1941), LL.D. (Honoris Causa, Punjab Univ.), Governor of Andhra State, since Oct. 1, 1953. b. 2nd July, 1893; m. Kusum Trivedi (Kaiser-I-Hind Gold Medal, 1947); Educ.: Elphinstone College, Bombay and St. John's College, Oxford. Entered I.C.S., 1917, and served as Asst. Commissioner, Madhya Pradesh till Nov. 1921; after serving in various capacities, was posted as Deputy Secretary to the Government of India, Home Department, 1932-35 (Off. Joint Secretary, April 1934 to September 1934); Secretary to the Govt. of India, Secretariat Organisation Ctee., 1935-36; Commr., Berar, 1936; Commr., Chhattisgarh Division, 1936-37; Chief Secretary



to Govt., Madhya Pradesh, 1937 to March 1942; Secy. to Govt. of India, War Dept., July 1942 to Jan. 1946; Governor of Orissa, May 1946 to August 1947; Governor of Punjab, Aug. 1947-Sept. 1953. Address: Raj Bhawan, Kurnool.

TRIVEDI, Kashinath, B.A. Editor, *Hindi Shiksha Patrika*, a monthly journal dedicated to child education on Montessori lines since 1934. b. Feb. 15, 1906; m. Shrimati Kalavati Trivedi, d. of Pt. Anandrao Vyas, five s. and two d.; Educ.: Indore Christian College, Indore. Assistant Editor, *Tyagbhoomi*, Ajmer; *Hindi Navajeevan*, Mahatma Gandhi's Hindi Weekly, also *Harigan Sevak*; Principal & Sanchalak Mahila Ashram, 1939-40; detained as security prisoner in Nagpur Central Jail, Dec. 1942-Jan. 1945; Secy., Kasturba N. M. Trust, C.I., 1945-46; Pres., Barwani Rajya Lok Parishad, 1947-48; Education Minister, Madhya Bharat Govt., 1948-49; visited Italy and Switzerland as Delegate, 18th International Montessori Conference, San Remo, Italy, 1949; Pres., Madhya Bharat P.C.C., 1949-50; Acharyn, Gram Sevak Vidyalaya, Agar, 1952. Publications: *Mera Ghar (Original)*; Translations—*Gandhiji ki Sankeha Atmakatha; Balpothi; Hamari Ba; Gandhiji; Sayani Kanyase; Ishu Khrist; Bargaad; Marukunj; Prempanth; Seeta; Hindu Dharma ki Aikyaekyaen I, II, Nirbhayata Shiksha Men Ahimsa Kranti; Dwauswapna*, etc. Address: 27, Biyabani, Indore City, M.B.

TRIVEDI, Ramanlal Shankerlal, B.Sc. (Bombay), Ex-Chief Executive Officer, Calcutta Corporation. b. Nov. 20, 1905; m. Kanchangauri Trivedi; one s. and four d.; Educ.: Telang High School, Godhra, Panchmahals; Wilson Coll., Bombay. Entered I.C.S. in Bengal, Nov. 1930; Asst. Magistrate, Midnapore; Addl. Dist. Magistrate, 1937; Addl. Dist. and Sessions Judge, 1940; Dist. and Sessions Judge, Assam Valley, Chittagong, Murshidabad, Surma Valley, Bankura, 1942; Joint Secy., Home Dept., West Bengal, 1948; Judicial Commr., Kutch, 1948-50. Address: 18, Rawdon Street, Calcutta.

TYAGI, H. E. Badruddin Fais Hasan Badruddin, H.A. (Honours), Indian Ambassador in Indonesia. b. Nov. 12, 1907; m. Surayya Aamir Ali, 1939; Educ.: St. Xavier's School and College, Bombay; Balliol College, Oxford. Passed the I.C.S. in London, 1931; served in the Punjab as Asst. Commissioner, Under-Secy., Finance, Home and Political, 1932-38; Under-Secy., Govt. of India, Defence Department, 1938-39; Dy. Commissioner in the Punjab, 1940-42; Controller of Supplies, Govt. of India, Karachi and Bombay, 1942-44; Dy. Secy., Govt. of India, Planning and Development, 1944-46; Dy. Secy. and Joint Secy., Constituent Assembly, Secretariat and Ministry of External Affairs and Commonwealth Relations, 1946-48; Chargé d'Affaires, Indian Embassy, Brussels, Belgium, 1948-50; Jt. Secy., Ministry of External Affairs, 1950-52; Secy., Commonwealth Affairs, 1952-53. Recreations: Riding, Hunting, Fishing, Literature, Music and Arts. Clubs: Delhi Gymkhana Club; Willingdon Sports Club, Bombay. Address: C/o Ministry of External Affairs, New Delhi.

TYAGI, Kusala Badruddin, M.A. (Hons.), LL.M. (Hons.) (Oantab.), Bar-at-Law, J.P. & Hon. Presidency Magistrate, Retd. Second Judge, Presidency Court of Small Causes, Bombay; acted as Chief Judge. b. 11th October, 1879; m. Miss Nazar Mohammad Fatehally; Educ.: Anjuman-e-Islam, Bombay; St. Xavier's School and College, Downing College, Cambridge. President, Downing College Debating Society, Cambridge, Indian Majlis, Cambridge, Anjuman-e-Islam, London. Publications: *Why Muslims should oppose Pakistan; Badruddin Tyagi, a biography*. Address: "Rose Ville," 45, Marghabad, Andheri, Bombay.

TYAGI, Mrs. Khadija Shauk, J.P. Hon. Presidency Magistrate; ex-M.L.A., Bombay State. b. 1885; m.; has two children. An elected member of the Municipal Corporation and the first elected Muslim lady member of the Schools Committee; a member of the Schools Committee for several years, its Chairman, 1934; first Commissioner, Municipal Girl Guides; was State Commissioner (Guides), The Bharat Scouts and Guides; presided at the Bombay Presidency Muslim Ladies' Educational Conference, Poona, 1926; Chairman, Reception Ctee. of the Bombay Constituent Conference of All-India Educational and Social Reforms, 1930; was Vice-Chairman, National Council of Women in India; was Chairman, Local Committee of the All-India Conference on Educational and Social Reforms; Chairman, Red Cross Executive, 1928; Vice-President, Social Service League; Chairman, Mahila Seva Mandal; was Chairman, now member, Port Haj Committee; founded a Muslim Purdah Nursing Division, first of its kind in the world; appointed Associate Serving Sister, Overseas Brigade, St. John Ambulance, 1937; Chairman, Abless and Cama Hospital Advisory Board and is also connected with the following institutions for many years—Govt. Urdu Text Book Committee; Infant Welfare Society; The Bombay Mothers and Children Welfare Society; Society for the Protection of Children in Western India; The National Baby Work; Executive Committee, Governors' Hospital Fund; Advisory Committee, J. J. and Allied Hospitals; Seva Sadan Council; Bombay Presidency Women's Council; as Chairman, Flag Day Committee, collected Rs. 22,000 in one day for the Anti-Tuberculosis Fund; President, All-India Educational Conference, Women's Section, Poona, 1940; member, War Gifts Fund, Ladies' Committee; awarded Kaiser-I-Hind Silver Medal, 1935; Gold Medal, 1941; appointed member of Health Survey and Development Committee, Government of India, Nov. 1943; now Pres., Seva Sadan Society. Address: Khatau Mansion, Oomer Park, Warden Road, Bombay.



TYAGI, Mahavir, Minister for Defence Organisation, Govt. of India. b. 1900, Dharbhar Village, Moradabad Dist. (U.P.); m. Smt. Sharmada Devi, 1925; Educ.: Privately. Has been a staunch congressman; courted jail eleven times for Congress activities; member: A.I.C.C.; Constituent Assembly of India, 1946-49; Provisional Parliament, 1950; ex-member, U.P. Leg. Assembly; ex-Minister for Revenue and Expenditure, U.P.; organised Tyagi Police, U.P., Aug. 1947; returned to the House of the People from Dehra Dun District-cum-Bijnor Dist. (North-West)-cum-Saharanpur Dist. (West) Constituency, U.P. in the general elections. Address: Minister for Defence Organisation, New Delhi.

TYAGI, Vedpal, B.Sc., LL.B., M.L.A., Ex-Minister for Law and Justice, and Relief and Rehabilitation, United State of Rajasthan. b. Dec. 28, 1915 at Kotah, s. of Mahara Singh Tyagi, Retd. Asst. Revenue Commissioner, Kotah, and Revenue Officer, Shapurra State; m. Smt. Shila Devi Tyagi; Educ.: Graduated from Hindu College, Delhi; LL.B. from Allahabad Univ. Started career as an Advocate in Kotah; joined Kotah State Praja Mandal (now Congress Ctee.); was on the Editorial Board of the weekly *Jai Hind* published from Kotah; Pres., Dist. Congress Ctee., former Rajasthan. Address: 9, New Colony, Jaipur.

VEROI, Mahan Singh, M.A., Ph.D., D.Litt., Reader, Punjab University, since 1928. b. March 17, 1890, s. of S. Sher Singh and Mula Devi; m. Devinder Kaur, 1923; one s., Jitendra Pal Singh and one d., Narinder Kaur; Educ.: Lahore, Calcutta, London and

Paris. Editor, *Message of Hinduism*, Lahore, 1918-19; Ex-President, All-India Oriental Conference, Urdu Section; Member, Council of Sapru Academy; Member, Council of Indian Philosophical Congress; President-elect, Indian Oriental Conference, Religion and Philosophy Section, 1953; London and Paris, 1935-36. *Publications*: (English) *A History of Urdu Literature*; *A History of Punjab Literature*; *Kabir and the Bhakti Movement*; *Gorakhnath and Medieval Hindu Mysticism*; *Mysticism of Time in Rig-Veda*; *Secrets of Spiritual Life*; *New Light on Sri Krishna and Gita*; *New Light on Buddha's First Sermon*; *Who Am I*; *Enemies of Peace*; *I am a Refugee*; Short stories, problem plays, poetry, essays, critical articles and research notes in Urdu, Hindi and Punjabi. *Recreations*: Bridge; Chess. *Address*: Head of University, Punjab Dept., Khalsa College, P.O. Amritsar.

UDESHI, D. V., B.E., A.M.I.C.E. (U.S.A.), A.M.I.R.S.E. (Lond.), A.M.I.E., F.P.W.I. (Lond.), A.M.I.S.E., Consulting Engineer, Architect and R.C.C. Specialist; Manager and Engineer, Indian Hume Pipe Co. Ltd., Bombay. *b.* 1916; *m.* Smt. Vimla Udeshi; one *d.*, Kiran Kumari. Has travelled throughout the world for practical experience in engineering; has worked on Bikaner State and Jamnagar State Railways (now Northern and Western Rylys.), as an Engineer for construction works; was Chief Officer, Ghatkopar Municipality; was responsible for bringing about many improvements in roads and sanitary works. *Address*: Khatau Bungalow, Cama Lane, Ghatkopar, Bombay.



UDESHI, Smt. Vimladevi D., Social Worker. *b.* 1920, in Gondal (Saurashtra), *d.* of Rao Sahib T. P. Sampat, Ex-Minister of Justice, former Gondal State; *m.* D. V. Udeshi, Chartered Civil Engineer. Has widely travelled with her husband; actively connected with a number of women's organisations including All-India Women's Assoc., Hindu Mahila Samaj, Nari Seva Sadan and National Women's Council; Director of many Industrial Concerns and Insurance Companies; believes in widow remarriages and is a strong supporter of the Hindu Code Bill; is keenly interested in birth control. *Hobbies*: Solving Crossword puzzles. *Address*: Khatau Bungalow, Cama Lane, Ghatkopar, Bombay.

UPADHYAYA, Govind Krishna Deo, M. & E.E. (Roorkee), A.H.W.C. (Edin.), A.M.I.E.E., Senior Lecturer in Engineering, Indian School of Mines and Applied Geology, Dhanbad. *b.* Sept. 1, 1899 at Bareilly, *s.* of late Pandit Har Govind Upadhyaya; *m.* Shrimati Prem Devi Tripathi, *d.* of late Pandit Ganga Ballabh Tripathi, Tahsildar of Agra; four *s.* and two *d.*; *Educ.*: Bareilly College; Thomson Civil Engineering College, Roorkee; Herriot-Watt College, Edinburgh. After completing an engineering practical training, served as Head Draughtsman, Workshop Supervisor and Electrical Engineer with the Punjab Hydro-Electric, Geodetic Survey of India and a Lucknow Engineering firm respectively; joined the Indian School of Mines as Lecturer in Mining Machinery; officiated as Professor of Mech. and Elect. Engg., 1944-48. *Recreations*: Cricket and Gardening. *Address*: Upadhyaya Buildings, Subasnagar, Bareilly, U.P.; Dhanbad.

UPPAL, Dr. Badri Nath, Ph.D. (Iowa); Fellow, Indian Academy of Sciences, Fellow, National Institute of Sciences of India, M.B.E. (1945), Agricultural Commr., Govt. of India, since Aug. 1952. *b.* August 6, 1899; *m.*; one *s.* and one *d.*; *Educ.*: Punjab Univ.; Iowa State Coll. of Agriculture (U.S.A.); Rothamsted Experimental Station (England); Rockefeller Inst. for Medical Research (Princeton); Wisconsin Univ. Research Fellow, Iowa Agric. Exp. Station; Plant Pathologist to Govt., Bombay State;

Principal, Coll. of Agri., Poona; Director of Agriculture (Research and Education), Director of Agriculture, Bombay till Aug. 1952. *Publications*: Scientific papers in various science journals dealing with plant viruses plant diseases and soil fertility problems. *Address*: Indian Council of Agricultural Research, New Delhi.

USEMAN, Sir Mahomed, K.C.S.I. (1945), K.C.I.E. (1933), Kt. (1928), Kaiser-i-Hind: Second Class (1923), Khan Bahadur (1921), Khan Sahib (1920). *b.* 1884; *m.*, *d.* of Shifa-ul-Mulk Zynulabdin Sahib Bahadur; *Educ.*: Madras Christian College, B.A. Councillor, Corporation of Madras, 1918-25; Hon. Pres. Magte., 1916-20; member of the Senate of the Madras University since 1921; elected member, Madras Leg. Council, 1921-28; Sheriff of Madras (1924); President of the Corporation of Madras, 1924-25; Home member of the Executive Council of the Governor of Madras, 1925-34; Ag. Governor of Madras, 1934; Vice-Chancellor, University of Madras, 1940-42; member (Posts & Air), Governor-General's Executive Council, 1942-June 1948. *Address*: Teynampet Gardens, Teynampet, Madras.

VAGH, Balwant Vithal, B.E. (Civil), M.I.E. (Ind.), Retd. Manager, Bitumen Department, Messrs. Burmah-Shell, Bombay. *b.* Sept. 26, 1893; *m.* Miss Sulabha Deshpande, Kolhapur, Dec. 26, 1917; *Educ.*: College of Engineering, Poona, Bombay Municipality, 1916-30; Burmah-Shell, 1930-51; member, Inst. of Engineers (India); Chairman, Bombay Centre, Inst. of Engrs. (India), 1942-43; member of Council, Inst. of Engrs. (India), 1934-38 and 1943-47; Convener, Bullock-Cart Sub-Committee, I.R.C., 1944-51; member of Council, Indian Roads Congress, 1943-51; delegate, International Roads Congress, Holland, 1938; member, Managing Cttee., G.S.B. Housing Society, 1928-34; member, Board of Trustees for Temples, etc., G.S.B. Community, 1927-42; Chairman, 1942 to date; Chairman, Saraswati Co-op. Bank, 1933 and 1934; Vice-President and Trustee, the Khar Model Education Society, 1941-51; Vice-President, Inst. of Engg. (Ind.), 1942-43; Hon. Asst. Technical Recruiting Officer, Bombay, 1943-45; member, Advisory Cttee., College of Engineering, Poona, 1947-48; Vice-President, I.R.C., 1948-49; President, Consumers' Stores, Khar; member, Council, I.R.T.D.A.; evolved "VAGH WHEEL" for bullock-carts; awarded Indian Roads Congress medal, 1952. *Address*: "Prabhat," Khar, Bombay 21.

VAIDYA, Kashinathrao, M.A., LL.B., Speaker, Hyderabad Legislative Assembly, since March 1952. *b.* March 9, 1890, *s.* of Sitarama Rao; *m.* Smt. Shantabai Vaidya; two *s.* and one *d.*; *Educ.*: Aurangabad, Poona and Bombay. Is an active social worker; Pres., Educational Conference, 1937; Founder, Maharashtra Conference; its Pres., 1940; offered satyagraha, 1938; member: State Congress Working Cttee. from its inception; Standing Council, All-India States Peoples' Conference; 1939-46; Working Cttee., Branch of the Indian Council of Social Work; Mudgal Inquiry Cttee., Indian Parliament; nominated M.P., 1950; took active part in the struggle against Raskars; elected M.L.A., Hyderabad, 1952. *Publications*: Life of late Justice Kesheorao in Marathi; contributed articles to Newspapers. *Address*: "Dilkusha", Somajiguda, Hyderabad-Deccan.



VAIDYA, Muvurji Jadavji, B.Com., F.R.E.S. (Lond.), J.P., Industrialist. *b.* Oct. 2, 1908, *s.* of Dr. Jadavji Hanaraj Vaidya and Gokabai; *m.* Smt. Bhanumati Kara; one *s.* and two *d.*; *Educ.*: Tutorial High School and Sydenham Coll. of Commerce & Economics, Bombay.

Toured England and Continent to study the Silk Industry in those countries, 1931; established the Bombay Silk Mills which was the first Mill to produce fine silk fabrics in India, 1932; one of the promoters of the Kutch Spg. & Wvg. Mills Co. Ltd., first industrial concern in Kutch State; promoted National Electrical Industries Ltd.; is a rotarian. *Publications*: Monographs *High Rate of Exchange, Office Organisation in Bombay, Industrialism in India, etc.* *Clubs*: Willingdon, Cricket Club, W.I.A.A. Club. *Address*: Jadavji Mansions, 3, Cuffe Parade, Colaba, Bombay 5.

VAIDYA, Parashuram Lakman, B.A. (Hons.) (Bom.), M.A. (Cal.), D. Litt. (Paris), former Prof. of Sanskrit, Banaras Hindu Univ., and also at Nowrojee Wadia Coll., Poona; Rajaram, Willingdon & Ferguson Colleges. *b.* 1891; *Educ.*: Privately in Sanskrit Pathashalas and at New English School and Ferguson Coll., Poona, and Bombay, Calcutta and Paris Universities; Univ. Scholar, prizeman and medallist; Govt. of India Language Scholar (1921-23). Wilson Lecturer, Bombay (1926); Paranjpe Lecturer, Nagpur Univ. (1945); Springer Research Scholar (1928-28), etc.; attended International Congress of Orientalists at Leydon and of Linguists at Geneva (1931); Pres. of Pali and Prakrit Section at Mysore of All-India Oriental Conference; member, Executive Council, All-India Oriental Conference; Editor of several Sanskrit, Pali, Prakrit and Apabhramsa Works; member, Mahabharata Editorial Board of the Bandarkar Institute and Editor of "Karnaparvan"; examiner at several Indian universities. *Address*: 204/2, Sadashiv Peth, Poona 2.

VAIDYANATHAN, Lalagudy Swaminath, M.A., F.I.A., F.S.S., J.P., Manager, Oriental Govt. Security Life Assurance Co., Ltd. since April 1946. *b.* Aug. 21, 1893; *Educ.*: Madras Univ., passed M.A. securing the Stuart Prize; Associateship of the Institute; selected by Govt. of Bombay as Govt. Scholar for further Actuarial studies in England. On return apptd. part-time Prof. of Actuarial Science in Sydenham Coll. of Commerce & Economics, Bombay and simultaneously apptd. in the Oriental Life Insec. Co.; first Indian to become Fellow of Institute of Actuaries; during 1931 census was entrusted by the Govt. of India with actuarial work representing the compilation of mortality tables for various States and whole of India; Actuary of the Oriental Govt. Security Life Assurance Co., Ltd., for ten years. Supdt. of Insurance, Commerce Dept., Govt. of India, Oct. 1943-March 1946. *Publications*: Two papers submitted to the Institute of Actuaries on *Mortality of Indian Assured Lives*, the latter of which won for him the prize offered by the Institute from the Sir George Hardy Memorial Fund. *Address*: Bombay.

VAISHAKHIA, Mahendra Kumar, M.A., Sahitya Ratna, Minister for Social Services, Vindhya Pradesh. *b.* Feb. 10, 1922, Chhatarpur, *s.* of Brijlal Poonabai; *m.* Smt. Kumsri Vimala Agarkar, P. A. (Music), 1946; *Educ.*: Mahara Coll., Chhatarpur; Allahabad and Bombay Univs. Took Sahitya Ratna from Hindi Sahitya Sammelan; Story-writer, M. & T. Films Ltd., Bombay; Political Secy. to the Dy. Prime Minister, V. P.; Secy Bundelkhand Lok Sevak Mandal, 1949; Municipal Commissioner, Chhatarpur; was Correspondent of a number of papers; took active interest in social reforms and freedom movement; courted imprisonment for political activities; elected M.L.A. from the Laundi Constituency in the general elections; organised Hindi Sahitya Sammelan in V.P.; was its Gen. Secy.; knows Sanskrit, Pali, Prakrit, Marathi, Gujarati, Bengali and



Hindi. Publications: *Dharma Varman* (Translations from Gujarati), various articles on travel, education, research, etc. *Recreations:* Reading, Writing, Travel, Photography. *Clubs:* Madhuk, Chhatarpur; Venkat Club, Rewa. *Addresses:* Gandhi Bhavan, Chhatarpur; 5, Civil Lines, Rewa.

VAJIFDAR, Mrs. Shera N., M. Com., Secretary, All India Animal Welfare Assoc., Progressive Group, Bombay and Bombay Tenants' Assoc. b. Sept. 21, 1915 at Bhusaval, d. of Edulji Cooverji Marawala and Mrs. Shirinbai Marawala of Navsari; m.



Noshirwan Aderji Vajifdar of Bank of India, Bombay, 1950; *Educ.:* Sydenham Coll.; wrote thesis on 'Industrial Labour in India' for M. Com. examination; first Parsee lady to receive M. Com. degree of Bombay Univ.; was appointed Research scholar by Bombay Univ. for studies in Ph.D., 1943-45. Took keen interest in Congress activities, Forward Bloc, Labour Movement and Welfare of the Blind; was General Secy., Lever Brothers Employees' Union; was Pres., Masina Hospital Workers' Union; Amrital Company Dye Workers' Union; J. J. Hospital Nurses' Union; was Secy., Commerce Graduates' Assoc., 1944-45 and 1950-52; member: Managing Cttee., Commerce Graduates' Assoc.; Social Workers' Society; Budha Dutta Society; First Provincial Conference for the Blind, and Freedom Group. *Address:* Sheri House, Gumbow Street, Fort, Bombay.

VAKIL, Chandulal Nagindas, M.A. (Bom.), M.Sc. (Econ.) (London), Director and Professor of Economics, School of Economics and Sociology, University of Bombay. b. Aug. 22, 1895; m. Vidyagauri, d. of G. C. Sheth of Hansot (Dist. Broach); two d. and one s.; *Educ.:* Bombay and London. On the staff of the University School of Economics and Sociology, Bombay since 1921; Director of the School, since 1930; Pres., Indian Economic Conference, Patna, 1934; Economist to the Planning Dept., Govt. of India, 1945-46; Editor, *The Indian Economic Journal*, the quarterly of the Indian Economic Assoc. *Publications:* *Financial Developments in Modern India, 1860-1924* (1925); *The Falling Rupee* (1943); *The Financial Burden of the War on India* (1943); *Our Sterling Balances* (1947); *Economic Consequences of the Partition* (1948); *Economic Consequences of Divided India* (1950); *Planning for a Shortage Economy: The Indian Experiment* (1952) and several others. *Recreations:* Walking, Cinemas. *Address:* University Hostel, 79, Queen's Road, Bombay 2.

VAKIL, Natwarlal Chhabildas, B.A., LL.B., Judicial Commissioner, Kutch, since 1951. b. July 6, 1900; m. Smt. Hiragavri N. Vakil; two s. and three d.; *Educ.:* Wilson Coll., Bombay. Started practice at Broach, 1923; passed Advocate's examination (O.S.), 1927; Subordinate Judge, Bombay, 1928-46; District Judge, 1946-51. *Recreation:* Tennis. *Club:* Bhuj Gymkhana. *Address:* Bhuj, Kutch.

VALA: Thakore Saheb Raul Shree Gambhir-sinhji, Thakore Saheb of. b. April 25, 1889; s.s. of Thakore Saheb Raul Shree Vakhat-sinhji and Ranees Saheb Shree Amjiba, d. of Thakore Shree Togaji of Kotda-Sangani; m. March 9, 1912, Rajkumari Shree Rajkum-varba, y. d. of Thakore Shree Verasaji of Roha, Kutch; two s.; two d.; *Educ.:* Harrow and Clare College, Cambridge; Imperial Cadet Corps, Dehra Dun. Succeeded to the Gadi, June 5, 1943; acceded to the Union of India, Aug. 27, 1947; entered into the Covenant for the formation of the



United State of Saurashtra, Jan. 22, 1948. *Heir:* s. Yuvaraj Shree Pravinchandrasinhji, b. October 16, 1925. *Address:* Palace, Vala-bhipur, Saurashtra.

VALLABHDASS, Pratapsinh Shoorji, J.P. and Hon. Presy. Magistrate, Director: Malabar Steamship Co. Ltd., New Dhokera Steamships Ltd., National Steamship Co. Ltd., Shoorji Vallabhdass Swadeshi Bazar Ltd., Shoorji Vallabhdass Ltd., Pratapsinh Ltd., Vikramsinh Ltd., Dilipsinh Ltd., Petlad Bulakhidas Mills Co. Ltd., Sewri Land Co., Ltd., Bombay; Partner: Shoorji Vallabhdass & Co., Shoorji Vallabhdass Kariana Co. b. July 16, 1818, s. of Shoorji Vallabhdass; m. Shreemati Manjula, d. of late Narsee Monji of Golden Tobacco Co.; one s., Aditya and two d., Medha and Purna; *Educ.:* New Era School and Sydenham Coll. of Commerce, Bombay; Member, Cttee. of the Indian Merchants Chamber; Member: Managing Cttee., Seamen's Club, Bombay; Cttee. of Kanbal Kanyashala and Balika Grah; Shipping Advisory Board of the Govt.; Cttee. Member, Indian National Steamship Owners' Assoc.; Trustee, Port Trust, Bombay; Pres.: Bombay Pradesh Aryasamaj; Managing Cttee., Shri Gurukul Chitrogarh; Trustee, Kutch Lohana Education Dept.; its Secy. for a long time *Club:* Willingdon Sports Club. *Address:* Cutch Castle, near Sandhurst Bridge, Bombay 4.



VALVANNE, His Excellency Hago, Envoy Extraordinary and Minister Plenipotentiary for Finland in India, since Jan. 2, 1950. b. July 18, 1894; m. Birgitte Guldager; *Educ.:* Universities of Helsinki (where graduated in Sanskrit), London and Toulouse. Entered Finnish diplomatic service, 1919; Secy. of Legation in Moscow, 1921, London, 1921-25, Berne, 1925-28; served at Foreign Ministry in Helsinki; Director of Political Dept., 1929; Secretary-General, 1931-33; Minister for Finland in Tokyo, 1933-39; in Brussels and The Hague, 1939-40; in Berne, 1940-41; at Foreign Ministry, Helsinki, 1941-43; Consul-General in Gothenburg, 1943-45; again at Foreign Ministry; in Mission to Peking, 1951, where established diplomatic relations with China. *Address:* Finnish Legation, 39, Prithviraj Road, New Delhi.



VARADACHARI, Sir Srinivasa, Kt., B.A., B.L., LL.D. (All.), D.C.L. (Delhi), Rao Bahadur (1926), ex-Chairman, Income-Tax Investigation Commission. b. 20th June 1881; m. Rukmani Ammal (1898); *Educ.:* Pachalyappa's College, Madras. For two years Lecturer in Pachalyappa's College; enrolled as a High Court Vakil (1905); practised at the Bar ever since till appointed Judge of the High Court, 1934-39; Judge, Federal Court, Delhi, 27th Feb. 1939 to 19th June, 1943; acted as Chief Justice, April-June, 1943, elected an Hon. Master of the Bench of the Inner Temple, Nov. 1944; for some years Editor of the *Madras Law Journal*. Chairman, Central Pay Commission. *Address:* C/o Income-Tax Investigation Commission, New Delhi.

VARMA, Acharya Badri Nath, M.A. (Calcutta), Kavayitirthe, Minister for Education, Bihar. b. Nov. 10, 1889; *Educ.:* Ranchi Zila School; St. Columba's College, Hazaribagh; Presidency Coll., Calcutta. Participated in the Non-Co-operation Movement, 1921; Prof. of English and the Chief Organiser, Bihar Vidyapitha (National Univ.), 1921; became its Registrar and Principal; took prominent part in reorganising the Congress in Bihar; was member, Working

Cttee. and Treasurer; Joint Editor and leader writer, *Searchlight* (English) for several years; was member of various educational Cttees. and Commissions appointed under the auspices of Mahatma Gandhi, the Congress and the Congress Govt.; suffered incarceration for about 2 years, in connection with Aug. 1942 Revolution; elected M.L.A., Bihar, 1946. *Address:* Patna, Bihar.

VARMA, Dharendra, M.A. (Allahabad), D. Litt. (Paris), Has been University Professor, Univ. of Allahabad, U.P. b. May 17, 1897, s. of Khan Chand and Shrimati Kamla Devi; m. Shrimati Maya Devi, d. of Chaudhri Ram Bhargose Lal, Lucknow; three s. and three d.; *Educ.:* Dehra Dun, Lucknow, Allahabad and Paris. On the teaching staff of the Allahabad Univ. and Head of the Department of Hindi Studies since 1924; Pres., Bharatiya Hindi Parishad; Secy., Hindustani Academy, U.P. *Publications:* *History of Hindi Language* (1938)—Hindi; *La Langue Braj* (1935)—French; *Brajbhasha Grammar* (1937)—Hindi; *Letters from Europe* (1940)—Hindi; *Vichardhara*—Collection of essays (1944)—Hindi. *Address:* "Shri Chandraloka," 1/c Bund Road, Allahabad.

VARMA, Paripurnanand, M.L.A. (U.P.), Chief Steward for India, The Institute of Human Fellowship, U.S.A.; member, Board of High School and Intermediate Education, U.P.; President, All-India Crime Prevention Society, Lucknow, since 1949; Chairman, Mau Development Corp. Ltd., Banaras b. Feb. 7, 1907; *Educ.:* Graduated from Kashi Vidyapith, Banaras, in History, Economics and Politics. Professor of English, Prem Maha Vidyalaya, Brindaban, 1927; Editor, *Prem*, Brindaban, 1927-28; Joint Editor, *Lokmat*, Jabalpur, 1930-31-32; Editor, *Prem*, 1932-33; Editor, *Sandesh*, Banaras, 1933; General Manager, Bharti Bima Ltd., Banaras, 1935-38; Zono Secretary, The Empire of India Life Assurance Co. Ltd., Kanpur Circle, 1946-47; Chief Inspecting Officer, Empire of India Life Assurance Co. Ltd., U.P., 1947-50; Ex-President, Iron and Steel Merchants' Association, U.P.; President, Hindustani Bradar, Kanpur; Hindi Bhawan Trust, Kalpi; Adarsha Vyamshala, Kanpur. *Address:* Behari Niwas, Kanpur.

VARMA, Ram Kumar, M.A., Ph.D., Has been Reader in Hindi, University of Allahabad. b. Sept. 15, 1905, s. of Lakshmi Prasad Varma, Extra Asstt. Commissioner, and Raj Rani Devi; m. Shrim. Lakshmi Devi Varma; one d., Kumari Rajlakshmi; *Educ.:* Hardwicke Christian Mission High School, Narsinghpur; Model High School, Jabalpur; Robertson Coll., Jabalpur; Univ. Coll., Allahabad. Lecturer and Reader, Univ. of Allahabad; Dy. Director of Public Instruction, Madhya Pradesh; Examination Secy., All-India Hindi Sahitya Sammelan; member, Advisory Cttee., All-India Radio, New Delhi; Pres., Hindi Literary Section, All-India Hindi Sahitya Sammelan. *Publications:*—Poems: *Akash Ganga*; *Chitra Rekha*; *Chandra Kiran*; *Anjali*; Plays: *Charumitra*; *Sapta Kiran*; *Roop Rashi*; *Rup Rang*; *Renkmi Tie*; *Kaumudi Mahotsava*; *Vibhuti*; *Sivaji*; *Prithviraj ki Ankhen*. Research: *Sant Kabir*; *Hindi Sahitya ka Alochanmak Itihas*. *Recreations:* Tennis, Collection of old manuscripts. *Address:* Saket, 4, Prayag Street, Allahabad, U.P.

VARMA, Dr. Shree Prasad, M.A. (Allahabad), Ph.D. (London), Has been Registrar, Allahabad Univ., Allahabad. b. May 22, 1890, s. of late Professor Dwarka Pershad, B.A., I.E.S., and Shrimati Badam Devi; m. Shrimati Sushila Devi Varma; seven s. and four d.; *Educ.:* Robertson Coll., Jabalpur and Muir Central Coll., Allahabad and Univ. Coll., London. Was Senior Professor of English for twenty-five years at Robertson Govt. Coll., Jabalpur and thereafter Registrar, Allahabad Univ. for the last twelve years. *Publications:* *Prose Unscams—An Anthology of Prose Selections*. *Address:* 12, Chatham Lines, Allahabad.

VASAN, S. S., Managing Editor, *Ananda Vikatan*, a leading nationalist weekly; Proprietor, Gemini Studios, Madras. b. 1903, at Tiruthuralpundi, Tanjore Dist. Took to journalism at an early age and started a Tamil journal, *Ananda Vikatan*, 1928; pioneer in introducing the unique feature of Caricatures in South India through this weekly; was once a keen punter; turned to film business, 1939; founded the Gemini Studios, 1941; as a producer, occupies a prominent position in the world of talkies; member, Indian and Eastern Newspaper Society; was member, Standing Cttee., All India Newspapers Editors' Conference; is a shareholder of P.T.I. Address: 'Gemini House,' Edward Elliot Road, Mysapore, Madras 4.

VAZIFDAR, Khan Bahadur Captain N. J., M.B.E., L.M. & S., F.O.P.S., F.C.S. (Lond.), J.P. and Hon. Presidency Magistrate, General Secretary, Indian Red Cross Society, Bombay; Hon. Secy., St. John Ambulance Association, Bombay State Centre, Bombay; Dist. Supdt., St. John Ambulance Brigade No. 3, Dist. Bombay; Hon. Secy., Hind Kushi Nivaran Sangh (Indian Leprosy Assoc.), Pres., Coll. of Physicians and Surgeons, Bombay; Retired Chemical Analyst to Government of Bombay and Professor of Forensic Medicine, Grant Medical College, Bombay; Fellow of the Indian Chemical Society; examiner in



Chemistry, in Physiology, in Medical Jurisprudence and Mental Diseases in the Univ. of Bombay; Examiner in Physiology and Medical Jurisprudence and Hygiene, College of Physicians and Surgeons of Bombay; Examiner in Biochemistry for the M.Sc. Examination of the Bombay Univ.; Examiner in Forensic Medicine in the University of Lucknow and Medical Examination Board, Nagpur; Examiner in Technical and General Chemistry, Victoria Jubilee Technical Institute, Bombay; President, College of Physicians and Surgeons, Bombay (1937-1940). Publications: *Physiology of the Central Nervous System and Special Senses* (8th edition) and *Synopsis of Physiology* (8th edition), etc. Address: Red Cross Society Office, Town Hall, Fort, Bombay.

VELLODI, M. K., B.A., I.C.S., Secretary, Ministry of Defence, Govt. of India, since Oct. 1953. b. Jan. 14, 1896, s. of Raja Manavadan Raja, Maharaja Zamorin of Calicut; m. T. M. Kunhikav Kovilamma; one d. and one s. Educ.: Zamorin's Coll., Calicut; Presidency Coll., Madras; Oxford Univ. Joined I.C.S., Nov. 1921; Jt. Secy., Board of Revenue, Madras, 1933; Chief Secy., Govt. of Orissa, 1939; Textile Commissioner, Govt. of India, 1943; Dy. High Commissioner for India in U.K., 1945; Leader, Indian Delegation to Maritime Conference, Copenhagen, 1945; Seattle, 1946; attended General Assembly, U.N., 1947; represented India at the meeting of the Security Council in connection with Kashmir, Jan.-May 1948; Secy., Ministry of States, Govt. of India, Oct. 1948-Nov. 1949; Chief Minister, Hyderabad, 1949-52; State Counsellor, Hyderabad, 1952-53; Secy., Ministry of Works, Housing and Supply, 1953. Address: New Delhi.

VENKATACHAR, Cadambi Seshachar, B.A., I.C.S., C.I.E., O.B.E., Secretary, Ministry of States, Govt. of India, since Aug. 1951. b. July 11, 1899, s. of C. Seshachar; m. Nirmalabai Talcherkar; two s. and one d.; Educ.: Presidency Coll., Madras; Univ. Coll., London; Trinity Coll., Cambridge. Entered Indian Civil Service by open competition in London and posted to U.P., 1923; served in Political Dept. of Govt. of India in various capacities at Rajkot, Baroda and Indore, 1927-33; Rural Development Commr., U.P., 1935-37; Agent to Govt. of India in Malaya, 1937-41; became Commr. of Allahabad Divn., 1943;

Prime Minister, Jodhpur, 1946-47 and Bikaner, 1943-49; member, Constituent Assembly of India, 1947-48; Chief Minister, Rajasthan, Jan. to April 1951. Recreations: Reading, Motoring and Travelling. Address: States Ministry, New Delhi.

VENKATARAMAIA, Mr. Justice Rudrapatna, M.A., LL.B., Judge, High Court of Mysore, since Feb. 1946. b. July 16, 1897; m.; one s. and three d.; Educ.: Maharaja's Coll., Mysore; Elphinstone Coll. and Govt. Law School, Bombay. Enrolled as Advocate in the High Court of Mysore, Oct. 1921; District and Sessions Judge, Mysore, Oct. 1944 to July 1945; Secy. to Govt. Law Dept., July 1945 to Feb. 1946. Address: Visvesvarapuram, Bangalore City.

VENKATARAMAN, Dr. Krishnasami, M.A. (Madras), M.Sc. Tech., Ph.D., D.Sc. (Manch.), M.I.Chem.E., F.R.I.C., F.N.I., F.A.Sc., Director, Dept. of Chemical Technology, University of Bombay, since 1938. b. June 7, 1901; m. Shakuntala Subramaniam; one d.; Educ.: Madras and Manchester. Vice-Pres., Indian Academy of Sciences; Pres., Chemistry Section, Indian Science Congress, 1945; member, Council and Executive Bureau of the International Union of Pure and Applied Chemistry; All-India Council of Technical Education; Chemical Research Cttee. of the Council of Scientific and Industrial Research; Indian Central Jute Cttee.; Pharmacy Council of India; Cotton Textile Fund Cttee.; Bombay State Industrial Research Cttee. Publications: Numerous papers on chemistry and chemical technology; *The Chemistry of Synthetic Dyes*, Vols. I and II, Acad. Press, N.Y., 1952. Address: Department of Chemical Technology, University of Bombay, Bombay 19.

VENKATARAMAN, R., M.A., B.L., M.P. b. Dec. 4, 1910; Educ.: Madras University; passed B.A., Honours with distinction; was Pres., Students' Union and Chairman, Social Reform Club; won the Inter-collegiate Oratorical Competition of South India. Joined the Bar, 1935; participated in the Quit India Movement and detained in Jail, 1942-44; Vice-Pres., I.N.T.U.C., Tamilnad and Pres., Plantation Workers' Federation, South India; Editor, *Labour Law Journal*; one of the panel of Indian Lawyers along with Sri K. Bhashyam and the late K. F. Nariman, who defended Indian nationalists arrested in connection with the I.N.A. Movement in Singapore and Malaya; Secy., Provincial Bar Federation; member: Executive of the Central Tea Board; Provincial Labour Advisory Board; Commonwealth Parliamentary delegation to New Zealand, 1950; elected to Parliament, 1950; Delegate to the I.L.O. Cttee. on Metal Trades, Geneva, April, 1952. Address: Member, Indian Parliament, New Delhi.

VENKATARAMAN, S., B.A., M.L., Head of the Department of Law, Andhra University, since July 1945. b. Dec. 24, 1898, s. of V. Swaminatha Aiyar and Lakshmi Ammal; m. Bala; four s. and one d.; Educ.: S.P.G. College, Trichinopoly and Law College, Madras. Advocate, 1922; Lecturer, Madras Law College, 1925; Editor, *Madras Law Journal*, 1940-45; Editor, *Federal Law Journal*, 1944-45. Publications: *Outlines of Hindu Law—Bengal Code*. Recreation: Walking. Address: University College of Law, Waltair.

VENKATARAMAN, S. R., B.A., B.L. b. July 14, 1890. Joined Servants of India Society, 1929; connected with scouting since 1920; awarded Medal of Merit, 1950; relief work, Coimbatore, 1930, Shiyali, 1937, Andhra, 1945 and 1949; Secy., Depressed Classes Mission, Mangalore, 1934 and 1942-43; Secy., Madras City Harijan Sevaka Sangh since 1943; Hony. Associate Secy., Indian Conference of Social Work and its Central Exec. Cttee.; Guild of Service; Secy., the Indian Council of World Affairs; Pres., Indian Conference of Social Work, Rajahmundry, 1948; Scheduled Tribes Conference at Cuttack, Dec.

1949; ran 81 Milk Centres in the famine areas of Chinglepet, Coimbatore and Rayalaseema feeding about eight lakhs; member, Org. Cttee., VI International Conference of Social Work, Madras, 1950-53. Publications: (Tamil) *Nehru's letters to his daughter* (Tr.); *Ranade*; *Gandhiji*; *Annie Besant*, etc. (English) *Temple Entry Legislation—a Review*; *Harijans through the Ages*, *The Pavement Dweller*, etc. Address: Servants of India Society, Madras 14.

VENKATARAMAIA, Mamidipudi, M.A. (Madras), former Sir Pherozshah Mehta Prof. of Politics and Civics, Univ. of Bombay. b. Jan. 8, 1889. Educ.: Pachalyappa's College, Madras; secured a triple first in the degree examination, 1907. Professor successively in Pithapur Raja's College, Cocanada, Maharaja's College, Vizianagram; Dewan, Vizianagram Estate; Principal, V. R. College, Nellore; Professor in Andhra Univ., 1931-44; Principal, Bhemavaraj College, West Godavari; Pres., Indian Political Science Assoc., 1945. Publications: *Beginnings of Local Taxation*; *Federalism* (Andhra University); *Fundamental Rights*; *Constituent Assembly*; *Draft Constitution of India*; *Development of Local Boards*; *Fair and Free Elections*; *Elections and the Citizen Election Manifestoes*; *Competitive and Co-operative Trends in Federalism*; *General Election in Bombay*; Translation of *Kautilya* into Telugu and other books. Address: o/o Kingsway Stores, Kingsway, Secunderabad.

VENKATRAO, Kala, Ex-General Secretary, Indian National Congress. b. 1900; Educ.: Maharajah's College, Vizianagram and Noble College, Masulipatam. Gave up studies in response to the call of Mahatma Gandhi in 1921 and joined the N.C.O. Movement; went to jail eight times including two detentions; elected member of the Madras Legislative Assembly, 1937 and 1946; was General Secretary, Andhra Provincial Congress Committee for more than six years; member of the All-India Congress Committee for over twenty-four years; Member, Indian Constituent Assembly; was Minister for Land Revenue, Govt. of Madras; again Minister, Public Health, Govt. of Madras, Sept. 1951-Feb. 1952; Elected to Parliament, Sept. 1950. Address: Amalapuram, East Godavari.

VERMA, Major-General Shiv Dev, F.Sc., (Punjab), Master General of Ordnance, Army Headquarters, New Delhi, since Feb. 1953. b. Sept. 27, 1908, s. of Ch. Suda Ram, Bar-at-law; m. Thelma Ila Roy; one s.; Educ.: Govt. Coll., Lahore, Punjab. Commissioned from Sandhurst, Jan. 1929; served in 16 Light Cavalry all along; passed into Staff Coll., 1939; War Service in Iraq, Western Desert, Palestine, Syria, Persia, Burma, French Indo-China, 1941-46; G. I. Instructor, Staff Coll., Quetta, 1946; Asstt. Comdt., 1947; Comdt., Staff Coll., Wellington, 1948; Comd. 1 Arm'd. Bde., 1948-49; Comd. 1 Arm'd. Div., 1949; Imperial Defence Coll., London, 1950; Comd. 2 Arm'd. Bde., 1951; 20 Div., Nov. '51 to Feb. '52; Comd. 1 Arm'd. Div., Feb. '52 to Feb. '53. Recreations: Polo, Tennis, Squash, Golf, Swimming. Club: Delhi Gymkhana Club, New Delhi. Address: Master General of Ordnance, Army Headquarters, New Delhi.

VERMAN, Dr. Lal C., F.N.I., F. Inst. P., Ph.D., M.S., B.S. (Eng.), the first Director of the Indian Standards Institution, since June 1947. b. 1902 in Amritsar; Educ.: Punjab, California, Michigan and Cornell Univs., Teaching and Research in American Universities, 1925-31; Research Fellow, Indian Institute of Science, Bangalore, 1931-33; Research Physicist, London Shellac Research Bureau, 1933-36; his valuable research on the technology of lac led to wide industrial applications; Research Officer and Asstt. Dir., Industrial Research Bureau later amalgamated with the Council of Scientific and Industrial Research, 1936-44; Ag. Dir., Physical Laboratories, C.S.I.R., 1944-47; researches covering

varied fields especially in industrial technology; Vice-President, International Organisation for Standardization, Geneva, 1949-54; Chairman, Plastics Research Cttee., C.S.I.R., 1950-53; responsible for secretariats of several I.S.I. and I.S.O. Cttees. *Publications*: Over hundred papers in Indian, British and American scientific and technical periodicals; number of Indian, British and U.S.A. patents on variety of industrial processes. *Address*: Director, Indian Standards Institution, Delhi 8.

VIJAYVARGIYA, Gopi Krishna, Ex-Chief Minister, Madhya Bharat. b. 1904, at Guna, s. of Bal Mukund Vijayvargiya, Advocate and Social Worker; *Educ.*: Passed his High School Exam., 1920; joined Victoria Coll. Gwalior. Gave up his studies at the call of the nation and participated in the non-co-operation movement started by Mahatma Gandhi, 1921; organised the Gwalior Rajya Sarva Janik Sabha later named as Gwalior State Congress; was elected its first president at Bhisla session and again in 1941 at Blind session; held this office till 1944; elected to the Constituent Assembly from Gwalior, 1947; after the introduction of responsible Govt. in Gwalior entered Gwalior Cabinet as Commerce Minister, Jan. 1948; was on the Working Cttee., All-India States People's Conference; was Pres., Madhya Bharat Provincial Congress Cttee. prior to his election as the leader of the Congress Party in the Leg. Assembly. *Address*: Indore.

VIVESVARAYA, Sir Mokshagundam, K.C.I.E., M.I.C.E., late Dewan of Mysore, b. 15th Sept. 1861; *Educ.*: Central College, Bangalore, and College of Science, Poona; holds Honorary Degrees from six Universities (D.Sc. of Calcutta; LL.D., of Bombay; D.Litt., of Benares; D.Sc. of Patna; D.Sc. of Allahabad; and LL.D., of Mysore); Asst. Engineer, P.W.D., Bombay, 1884; Supdt. Eng., 1904; retired from Bombay Govt. Service, 1908; apptd. Sp. Consulting Eng. to Nizam's Govt., 1909; Ch. Eng. and Sec., P.W. and Ry. Depts., Govt. of Mysore, 1909; Dewan of Mysore, 1912-18; Chairman, Bombay Technical and Industrial Education Committee (appointed by the Government of Bombay), 1921-22; Chairman, Indian Economic Enquiry Committee (appointed by the Government of India), 1925; Chairman, Irrigation Inquiry Committee (appointed by Govt. of Bombay), 1938; President, the All-India Manufacturers' Organisation, 1941. *Publications*: *Reconstructing India* (1920) and *Planned Economy for India* (1934). *Address*: No. 5, Cubbon Road, Bangalore.

VISWANATH, Rao Bahadur Bhagavatlal, C.I.E. (1943), D.Sc., F.R.I.C. (London), Rao Bahadur (1929), Director, Eastern Technical Laboratories, b. 1st January 1889; m. Brimati Venkata Lakshmi; *Educ.*: Vizianagaram, Director of Agriculture, Madras, 1944-47; University Professor, Banaras, 1948. President, Agricultural Sections, Indian Science Congress, 1937; President, Indian Society of Soil Science, 1935-37; Vice-President, Indian Society of Soil Science; Vice-President, Society of Biological Chemists, India, 1938; foundation Fellow of National Institute of Science, India; Indian Academy of Science; Indian Chemical Society; Adviser, Agricultural Programmes Planning Commission, Govt. of India. *Publications*: Several original contributions on soils and plant nutrition and on the utilisation of agricultural products and wastes. *Address*: Krishnanivas, 8 A/85-W.E. Area, Pusa Road, New Delhi.

VISWANATHAN, Venkatesh, I.C.S., Joint Secy., Ministry of States, Govt. of India, since March 20, 1952. b. in Malabar, South India; *Educ.*: Pusa High School, Central Coll., Bangalore, University Coll., London, Balliol Coll., Oxford; joined the I.C.S. in 1931 in U.P. cadre, and was appointed Magistrate at Agra and Benares, 1931-36; Settlement Officer, 1936-40; Under-Secretary and Deputy

Secretary (1940-43) and Secretary to the Indian delegation to Burma (1941), Secretary to the Representative of the Government of India in Ceylon (1943-44) and Secretary to India's Envoy to Burma (1944-45); chosen as Alternate Delegate to the United Nations Special Commission on Palestine, 1947; Deputy High Commissioner in Pakistan, 1947-48; Chief Secretary, Madhya Bharat Govt. 1948-49; its Adviser, July 1949-April 1950; Chief Commissioner, Bhopal, 1950-52. *Address*: Ministry of States, Govt. of India, New Delhi.

VIZIANAGRAM, Maharajkumar Dr. Vijaya of. b. December 28, 1905; m. in 1923; three d. and two s.; *Educ.*: Princes' College, Ajmer, where he won his colours

at tennis and cricket, and set up a record, being the youngest student to get a double blue (Panchranga); Halseybury Public School, England. Is known in the field of sport by the name 'Vizzy'; Capt. of the Indian Cricket XI which toured Britain in 1936; Patron of Indian Sport; big game shikari, has passed the coveted figure of double century of tigers in April 1948; was Minister for Justice, U.P. Govt.; President, Andhra and Kshatriya Mahasabhas; has travelled extensively in Europe and America; both his grandfather and great-grandfather had enjoyed the personal distinction of "His Highness" and also a salute of 13 guns and 19 guns respectively; the hereditary distinction "Mirza Raja Maharaj Manya Sultan Bahadur" is the family title; was returned unopposed to the Central Assembly from Uttar Pradesh in 1934 and also in 1945; elected by a large majority to the U.P. Provincial Assembly on the eve of the inauguration of the reforms; appointed Minister of Justice of the U.P. Government under the new Act, 2nd April, 1937; member of the Court of the Benares Hindu University since 1935 and of the Executive Council since 1940; awarded by Sir S. Radhakrishnan, Vice-Chancellor of the University, the highest Blue-Ribbon of the University, as a special mark of distinction at the convocation of 1940; President of the Andhra Mahasabha from 1941 for three years successively; was unanimously elected President, 44th Session of the All-India Kshatriya Mahasabha held at Motihari (Bihar) in June 1944; received Hon. Degree of Doctor of Laws from the Benares Hindu University, at its annual convocation in Nov. 1944; renounced his Knighthood on the 14th of July 1947, as he considered it was not in keeping with the ideals of Republican India; member, Uttar Pradesh Legislative Council (Upper House), 1952. *Address*: Vijayanagaram Bhawan, Banaras.

VORA, Dr. Mansukhlal Khimchand, M.B. B.S., M.S. (Bom.), Consulting Surgeon, b. Jan. 12, 1916, s. of Khimchand Harilal Vora; m. Smt. Ashrumati Liladhar Thar; *Educ.*: Grant Medical Coll., Bombay. Hon. Asst. Surgeon at B. Y. L. Nair Hospital; Hon. Asst. Surgeon at B. P. T. B. Hospital, Bombay; was Asst. Professor of Anatomy, Topiwala National Medical Coll., Bombay. *Publications*: Papers on Pneumoperitoneum and Thoracoscopy in the treatment of Tuberculosis of lungs. *Recreations*: Chess. *Address*: 211-B, Prabhat, Deodhar Road, Matunga, Bombay 19.

VYAS, Mr. Justice Devanankar Vajeshankar, B.A. (Bom.), M.A. (Cantab.), I.C.S., Judge, High Court, Bombay, b. Aug. 14, 1898, s. of Dr. Vajeshankar Liladhar Vyas; m. Mangala Gouri *alias* Manorama Gouri, d. of Raj Ratna Dr. Keshavlal Tribhuvandas Dave, L.M. & S., Retired Chief Medical Officer, Limbdi, Saurashtra; three s.; *Educ.*: Forbunder, Bombay and Cambridge. Joined the

Indian Civil Service, Nov. 1923 and worked as Asst. Collector in Ahmedabad, Sind and various other places; was Collector of Hyderabad (Sind) for some time in 1927; District Judge at several places including Ahmedabad, Belgaum, Surat, Broach and Nadiad, from 1931; officiated as Judicial Commissioner, Almor-Merwara, 1945; Secy. to Govt., Legal Dept. and member, Industrial Court; was Commissioner, Southern Division for a year and Commissioner, Central Division, for a year and a half. *Address*: Murry Field, Narayan Dabholkar Road, Malabar Hill, Bombay.

VYAS, Jai Narayan, Chief Minister, Rajasthan, since Nov. 1952. b. 1898 at Jodhpur. *Educ.*: Had his early education locally. Worked on the railway for some years; became a whole-time political worker and joined the Congress; organised the Marwar Peasant Movement; courted jail five times for political activities; externed from Jodhpur State for many years; settled in Bombay and turned to political journalism editing the *Akhand Bharat*; elected General Secy., All-India States People's Conference, 1939-49; Chief Minister, first popular ministry, Jodhpur, 1948; was Pres., Rajputana P.C.C.; was Minister, Rajasthan. *Address*: Chief Minister, Jaipur (Rajasthan).

VYAS, Murlimanohar, B.A., LL.B., Advocate, b. Magh Shukla 2, Samvat 1965 (Jan. 1909), s. of Akhey Rajji and Durgabai; m. Shivarpyardevi, 1925; two s., Nandkishore and Nawalkishore, and three d., Ratankumari, Kamala Kumari and Vimala Kumari; *Educ.*: S. S. P. and Darbar High Schools; Jawant Coll., Jodhpur; Allahabad Univ.; had a brilliant academic career having won medal, reward and scholarship; B.A. (Agra) 1929; LL.B. (Ald.), 1931 with first division and second position. Staunch supporter of social reforms; was office-bearer of several institutions including All. Univ. Village Service League, Sanatan Dharma Sabha, and Bar Assoc., Nagaur; Manager, S. S. P. H. School; Treasurer, Kanya Pathshala; Pres., Law Academy; member, Law Cttee. and Executive Cttee., Bar Assoc., Jodhpur; keenly interested in politics; was jailed in the 1942 movement. *Publications*: Articles on varied subjects in book form and journals. *Recreations*: Hearing Music; reading books; writing articles. *Address*: Chand Baori, Jodhpur.

WADHWANI, Dr. Hemandas R., M.B.B.S., K.I.H., Ex-Minister, Sind, b. Jan. 12, 1895; s. of a prominent retired Advocate of Sind; m.; two s.; *Educ.*: Grant Medical Coll., Bombay; graduated, 1920; Post-graduate Course in Ear, Nose and Throat Diseases (Special subject Deafness) at Neumann Clinic, Vienna; worked in the League of Red Cross Societies at Paris for some time in 1932; awarded Kaiser-I-Hind Medal for Red Cross work, 1934; elected M.L.A., Sind, 1937; Minister, P.W.D. and Public Health, 1937-38; Minister, Public Health, Industries and Civil Defence, 1942-45; member: Medical Council of India, 1939-47; Bhore Cttee., Govt. of India; founded and started the Dow Medical Coll., Karachi; was Adviser to the Govt. of Sind upto June 1948, when he migrated to India permanently. *Publications*: Several medical, social and political articles. *Address*: 40, North Tukoganj, Indore (M.B.).

WADIA, Ardeskhir Ruttonji, Rajasvasakta. B.A., Bar-at-Law, Director, Tata Institute of Social Sciences, Bombay. b. 4 June, 1888; *Educ.*: St. Xavier's High School and Wilson College, Bombay; Middle Temple, London, for Bar; St. Catherine's, Oxford; Fitz William Hall, Cambridge. Prof. of English and Philosophy, Wilson College, Bombay, 1914; Lecturer in Psychology, University of Bombay, 1914-16; Professor of Philosophy, Mysore Univ., 1917-42; Secy., Inter-Univ. Board, 1932-37; D.P.I., Mysore (Retd.); Principal, Victoria Coll., Gwalior (1946-49); Pro-Vice-Chancellor, Maharaja Sayajirao Univ., Baroda, 1949-52; Governor of District No. 51, Rotary International, 1951-52. *Publications*: *The Ethics of Feminism*; *Civilisation as a Co-operative Adventure*; *Pragmatic Idealism in Contemporary Indian Philosophy*; *Zoroaster, Religion as a Quest for Values*; Editorial Board, *History of Philosophy*; Eastern and Western. *Address*: Kalpana, 96, Marine Drive, Bombay 2.

WADIA, Darashaw Noshervan, M.A., D.Sc., F.G.S., F.N.I., F.R.A.S.B., Geological Adviser, Govt. of India. b. 1883; m. Meher G. Medivala; *Educ.*: Baroda College, Bombay University, Prof. of Geology, Prince of Wales College, Jammu (Kashmir), 1907-1920; Geological Survey of India, 1921-1939; carried out the Geological Survey of N. W. Punjab, Hazara and Kashmir as part of official duties; Mineral Adviser, Ceylon Government since 1938, President, Indian Science Congress, XXIX Session, 1942; President, National Institute of Science of India, 1945-46, "Back Award." Royal Geographical Society, London, 1934; "Lyll Medal" awarded by Geological Society, London, 1943. *Publications*: *Geology of India*; *Synopsis of N. W. Himalayas* (1931); *Geology of Nanga Parbat and Gilgit District* (1932); *Structure of the Himalayas* (1938). *Address*: 10, King George Avenue, New Delhi.

WADIA, Sir Navroji Jehangir, B.A. (Bom.) and (Cantab), Kt. (1944), Vice-Chancellor, Bombay Univ. b. Aug. 27, 1884, s. of Dr. Jehangir P. Wadia; m. Ithila, d. of Sorabji M. Rutnagar; *Educ.*: Bombay Univ. and St. John's Coll., Cambridge. I.C.S.; Judge High Court, Bombay; Member, Parsi Panchayat. *Clubs*: Willingdon, Cricket Club, W.I.A.A. Club, Bombay; National Liberal Club, London. *Address*: Beau-Site, Worli Parade, Bombay.

WADIA, Neville Ness, Chairman, Nowrojee Wadia & Sons Ltd. and Bombay Dyeing & Mfg. Co. Ltd. b. Aug. 22, 1911, s. of Sir Ness Wadia, K.B.E., C.I.E. & Lady Evelyn Wadia; m. Dina Mohamed Ali Jinnah; one s. and one d.; *Educ.*: Malvern & Trinity, Cambridge. *Address*: Bella Vista, Pedder Road, Bombay 26; *Office*: Neville House, Ballard Estate, Bombay 1.

WADIA, Pestonji Ardeskhir, M.A., Professor of Philosophy and History, Wilson College, Bombay. b. 16th Dec. 1878; *Educ.*: Elphinstone College, Bombay. *Publications*: *The Philosophers and the French Revolution*; *Zoroastrianism and our Spiritual Heritage*; *Inquiry into the Principles of Theosophy*; *The Wealth of India*; *Money and the Money Market in India*; *An Introduction to Ivanhoe*; *History of India*; *Mahatma Gandhi*; *A Dialogue in Interpretation*; *The Faith that Matters*; *Parsis Ere the Clouds Thicken*; *Logic in two Volumes*; *Our Economic Problem*. *Address*: Thakur Nivas, 173, J. Tata Road, Bombay 1.

WADIA, Mrs. Sophia, Editor, *The Aryan Path* and *The Indian P.E.N.* Bombay. b. Sept. 13, 1901; m. B. P. Wadia, Bombay; *Educ.*: Lycée Molière, Paris; Columbia Univ., New York; School of Oriental Studies, London. Associate of The United Lodge of Theosophists; Lecturer; Founder-Organiser of the P.E.N. All-India Centre; and worker in women's educational, social and cultural

movements. *Publications*: *The Brotherhood of Religions*; *Preparation for Citizenship*; *Recreation*: Reading. *Address*: "Aryasanga," 22, Narayan Dabholkar Road, Malabar Hill, Bombay 6.

WALI-ULLAH, Mohamed, B.A., LL.B., M.A., B.C.L. (Oxon.), LL.D. (Trinity Coll., Dublin), Bar-at-Law, Member, Labour Appellate Tribunal of India, since Dec. 1952. b. Oct. 14, 1892; m. Begum Mumtaz Jehan; four s., Asaf, Arif, Aishad and Saffar and one d., Najma; *Educ.*: Jubilee High School, Gorakhpur; Muir Central Coll., Allahabad—B.A. (1911), LL.B. (1913); Univ. of Oxford, B.A. Hons. (1915), B.C.L. Hons. (1916); Trinity Coll., Dublin, LL.D. (1917); Gray's Inn, London; called to the Bar, Jan. 1917. Practised at the Bar, 1918-19; Prof. of Law, Univ. School of Law, Allahabad, 1919-23; joined the Allahabad High Court, 1923; Asstt. Govt. Advocate, 1925-37; Govt. Advocate, 1937-44; Punesi Judge, High Court, Allahabad, 1944-52; acted as Chief Justice, Allahabad Court, in March and April 1949 and again in Oct. 1951; retired as Acting Chief Justice, Oct. 1952. *Address*: 12, Elgin Road, Allahabad (U. P.).

WANCHOO, Chief Justice Kallias Nath, B.A. (Allahabad), Chief Justice, Rajasthan High Court since Jan. 2, 1951. b. Feb. 25, 1903, s. of Pandit Pirthi Nath Wanchoo; m. Mohini Zutshi, d. of Dewan Bahadur B. N. Zutshi of Ratlam; one s. and two d.; *Educ.*: Pandit Pirthi Nath High School, Kanpur; Muir Central College, Allahabad and Wadham College, Oxford. Passed into the Indian Civil Service, 1924; joined service, Dec. 1, 1926; served as Joint Magistrate and District and Sessions Judge in various Districts in Uttar Pradesh; Judge, Allahabad High Court, Feb. 1947-Jan. 1951; reported to the Govt. of India on the financial and other implications of the new State of Andhra, Feb. 1953. *Address*: 45, Railway Road, Jodhpur.

WANCHOO, Niranjan Nath, M.A. (Punjab), O.B.E. (1945), I.C.S., I.D.C., Joint Secy., Ministry of Defence, Govt. of India, since 1948. b. May 1, 1910, s. of late P. N. Wanchoo; m. Miss Chandramohini Kak; two d.; *Educ.*: Government Coll., Lahore; King's Coll., Cambridge; joined the I.C.S. in 1934; served in Bihar and Orissa; subsequently in the Commerce and Food Departments of the Govt. of India; Imperial Defence Coll., London, 1947; Director-General of Ordnance Factories, 1948. *Recreations*: Golf. *Address*: 4, Akbar Road, New Delhi.

WANDREKAR, Dattatraya Nathoba, B.A. (Hons.), LL.B., Deputy Minister, Bombay, since 1952. b. Dec. 14, 1895, s. of Nathoba Pandurang Wandrekar, Ex-Accountant, Central Rly.; m. Smt. Indirabai, d. of late Bhagwantrao B. Dahanukar; four s. and two d.; *Educ.*: Wilson High School & Wilson Coll., Bombay. Entered political life under the guidance of the late Vitthalbhai Patel, 1921; Secy., Bombay Suburban District Congress Ctee.; member: Maharashtra Pradesh Congress Ctee.; A.I.C.C.; Bombay Leg. Assembly, 1936, 1946 & 1952; Secy., Advaita Seva Mandal, 1941-52; Parliamentary Secy., 1946-52. *Publications*: Contributed articles to journals. *Recreations*: Walking and Gardening. *Address*: Swatantrya Mandir, 10th Road, Khar, Bombay 21.

WANGDI, Teasing, B.A., B.L., Deputy Minister, Tribal Welfare Dept., West Bengal. b. March 21, 1907; m. Smt. Donga Lhamoo; six s. and two d.; *Educ.*: M.E. School, Ghum; Govt. H.E. School, Darjeeling; I.A. & B.A. from the Presidency Coll., Calcutta and B.L. from the Univ. Law Coll., Calcutta. Practised as a pleader at Darjeeling, 1934-38; represented the Tibetan officials and merchants at the Calcutta Customs, 1938-42; was attached to the Chinese Consulate, Calcutta for about two years; resumed practice

at Darjeeling, 1942-52; pleader-prosecutor, 1946-49; elected M.L.A., on Congress ticket in the general elections; Pres., Bhutia Assoc., Darjeeling since 1949. *Recreations*: Reading, Walking. *Address*: Wangyal Building, Ghum, Darjeeling.

WASHIKAR, Shivram Shripad, Marathi litterateur and Screen-play Writer. b. Oct. 1893, at Kolhapur; m. Smt. Shantabai Kulkarni, 1921; two s. Is a novelist. *Publications*: Author of *Bhikarin*, *Fisha-prayog*, *Kulcha Kul*, *Ladhai poorn*, etc.; author and dialogue-writer of *Sant Tukaram*, *Dnyaneshwar*, *Ramashakti* and other film-hits. *Address*: 1, Prabhat View, L. N. Road, Dadar, Bombay 14.

WAZIR, Mr. Justice Janki Nath, B.A. (Punjab), LL.B. (Lond.), Bar-at-Law, Chief Justice, High Court of Judicature, Jammu and Kashmir State, since April 1948, b. Dec. 6, 1905, s. of Wazir Paras Ram; m. d. of late D. R. Sawhney, Chief Engineer, (Retd.), Sind; three s. and two d.; *Educ.*: Kashmir and London Univ. Was enrolled as an Advocate of the Lahore High Court, 1931; Part-time Law Lecturer, Law Coll., Lahore, 1933-36; Judge, High Court of Judicature, Jammu and Kashmir State, Dec. 1936—April 1948; elected Vice-Chancellor, Univ. of Jammu and Kashmir, June 1950. *Address*: Chief Justice, Jammu and Kashmir State, Srinagar.

WELNGKAR, Lakshmikanth Narayan, B.Sc. (Econ.), London (Honours), Principal, R. A. Podar College of Commerce and Economics, Bombay, since 1943. b. Sept. 19, 1907, s. of the Manager of a Jute Mill in Calcutta; m. Ratanbai Borkar; one d.; *Educ.*: Calcutta and London. Lecturer in Economics, St. Xavier's College, Bombay, 1934-42; Professor of Economics, St. Xavier's College, Bombay, 1942-43; Life member, Shikshana Prasarak Mandal, Poona; member, Managing Council, S. P. Mandal, Poona; Fellow, Univ. of Bombay; member, Academic Council, Univ. of Bombay; member, Municipal Corporation, Bombay, 1947-52; Officer, National Cadet Corps. *Publications*: Articles. *Recreation*: Hiking. *Address*: R. A. Podar College of Commerce & Economics, Bombay 19.



WHITAKER, Dr. John Wilfrid, Ph.D., F.R.I.C., F.Inst. Fuel, M.I.Min.E. (U. K.), M.I.E. (India), M.M.G.I., Certified Mine Manager (1st Class), Ex-Director, Fuel Research Institute, Jalcara, near Dhanbad, E.B.; m.; three d., Margaret, Dorothy and Joan; *Educ.*: Various Colleges in U. K.; University, London. Served as Chemist in 1914-18 War; later Technical Asstt. to Manager of Collieries, Lancashire; Lecturer and later Reader, Fuels and Oils at Univ. College, Nottingham (1921-30); subsequently Principal, Newark Technical College, Croydon Polytechnic, and Huddersfield Technical College; H. M. I. for Board of Education (Tech. Branch). *Publications*: *Mining Physics and Chemistry*; *Colliery Explosions and Recovery Work*; *Mine Lighting*; research papers on Fuel Technology, Coal Analysis and Testing, Gas Analysis, The Foreign Matter of Coal, Coal Dusts, The Calorific Values of Coals, Micro-Analysis, and Thermodynamics; also Review and Technical Papers on Mine Ventilation, Mine Explosions, Illuminating Engineering, Training in Fuel Technology, Technical Education and Vocational Guidance. *Recreations*: Music, Literature, Golf. *Address*: c/o Fuel Research Institute, Jalcara P.O., Manbhum Dist., Bihar.

WINCHESTER, Most Hon. the Marchioness of (the former Miss Betsy Pavry), M.A., *Litterateur. d.* of the Parsi High Priest of Bombay. *m.* Most Hon. the Marquess of Winchester, the premier Marquess of the United Kingdom, July 2,



1952; received numerous messages of good wishes from world over, including those from Her Majesty Queen Mary and other members of British and European Royalty; accorded Civic Reception by Mayor of Bombay at Corporation Hall (March 1953) and by Mayor of Winchester at Historic Guildhall (July 1953), the Citation eulogizing constant endeavour in promoting Indo-British friendship; Honorary Member of British-American Society; Member of Council of World Alliance for International friendship. *Educ.*: Queen Mary High School and St. Xavier's College, Bombay; M.A., Columbia University. Visited England every year, since 1924. presented at Their Majesties' Court, 1928; received by President Coolidge (1924), by Pope Plus XI (1920) and President Lebrun (1938). Guest of the Shah of Persia and King of Afghanistan (1934), of King Abdullah of Jordan, King Gazi of Iraq, President Kemal Ataturk, King Boris and Queen Ioanna, King Carol and Queen Marie, Prince Regent Paul and Queen Marie of Yugoslavia and the Crown Prince and Crown Princess of Italy (March-April 1937), of King Leopold and Queen Elizabeth of Belgium, King George of Greece and King Farouk of Egypt (Aug.-Sept. 1937), also of Emperor Huile Selassie and Empress Menen in Ethiopia (1946); attended the historic reception given in Paris by the President of France in honour of King George and Queen Elizabeth (1938); Member of Committee of various Charity Balls, held in London in 1928-38 in the presence of members of the Royal Family; attended the historic Peace Conference in Paris (1946), and Asian Relations Conference in New Delhi (1947). *Publications*: *Heroines of Ancient Persia* (Cambridge, 1930); limited deLuxe edition of 250 numbered copies (Hutchinson, London and New York, 1954). *Address*: Malabar Hill, Bombay.

WRIGLEY, H.E. Hugh, C.B.E., M.C., E.D., Australian Government Trade Commissioner, Bombay. *Address*: Mercantile Bank Building, 52, 60, Mahatma Gandhi Road, Bombay. "Gold Croix", Warden Road, Cumballa Hill, Bombay 26.

YADAV, Amrit Lal, Sahitya Ratna (Politics), Minister for Refugee Relief and Rehabilitation, including Evacuee Property, Co-operation and Forests, Rajasthan Govt., since 1952 *b. Jan. 9, 1919; m. Smt. Narwada Devi; one s. and one d.* *Educ.*: Privately. Joined Mewar Praja Mandal, 1938; imprisoned in Freedom Movement, 1942; has been an active Congress worker; founded Rajasthan Dalit Jatiya Sangha, 1947; member: Working Cttee., All India Depressed Classes League; Rajasthan Harijan Sevak Sangh, Rajasthan; U.N.O.'s

Jaipur branch; Working Cttee., Dist. Congress Cttee., Rajasmand; Pres., Caravan of India, Jaipur; was Dy. Minister for the Welfare of Backward Classes, Vyas Ministry, Rajasthan. *Publications*: Contributions to papers in the shape of short stories, one act plays and essays on social problems in Hindi. *Address*: 50, Civil Lines, Jaipur (Rajasthan).

YADAV, Madhavrao Dhandiba, Engineers and Machinery Dealers. b. Oct. 10, 1910, *s. of D. C. Yadav; m. Smt. Shankuntala Jadhav; one s.* *Educ.*: Kolhapur. Founder and Proprietor of M. D. Yadav (Eng. Agents) & Co., dealing in all types of machinery and suppliers to Govt. and semi-Govt. departments for the last 20 years and over; also supplied various types of machinery to the agriculturists to accelerate the Grow More Food Campaign in Madhya Pradesh; are also Agents for RUSTON Engines and RUSTON Pumps, Phillips Industrial Products, Good Year Industrial Products, etc.; a keen amateur in photography; member: Royal Photographic Society (England); Photographic Society of America; Photographic Associations in India; some of his pictures were exhibited in foreign exhibitions. *Address*: Geeta Ground, Sitabuldi, Nagpur 1.



YUNUS, Mohammad, Under-Secretary, Ministry of External Affairs, Govt. of India. b. June 26, 1916, Educ.: Muslim Univ. School, Aligarh; Islamia Coll., Peshawar. Was Charge d'Affaires, Embassy of India in Ankara; was the first Indian Representative to the Republic of Indonesia; was member, Indian National Congress; was imprisoned during the 1942 'Quit India' Movement; was Charge d'Affaires, Legation of India in Baghdad. *Publications*: *Frontier Speaks*, banned in 1942. *Address*: Ministry of External Affairs, New Delhi.

ZACHARIAH, Karavila, M.A. (Oxon.), C.I.E. (1947), Ex-Addl. Secy. and Director of Historical Research, Ministry of External Affairs, India. *b. Dec. 24, 1890, s. of G. Zachariah; m. Shanti Dey; three s., two d.* *Educ.*: Madras Christian College (Madras University); Merton College, Oxford. Professor, Presidency College, Calcutta (Indian Educational Service); Principal, Hooghly College and Islamia College, Bengal; Director of Public Instruction, Bengal; Planning Adviser for Education, Bengal; member, Federal Public Service Commission. *Publication*: *A History of Hooghly College, 1836-1936. Recreations*: Gardening. *Club*: Coonoor Club, Coonoor, South India. *Address*: Blairgowrie, Coonoor, S. India.

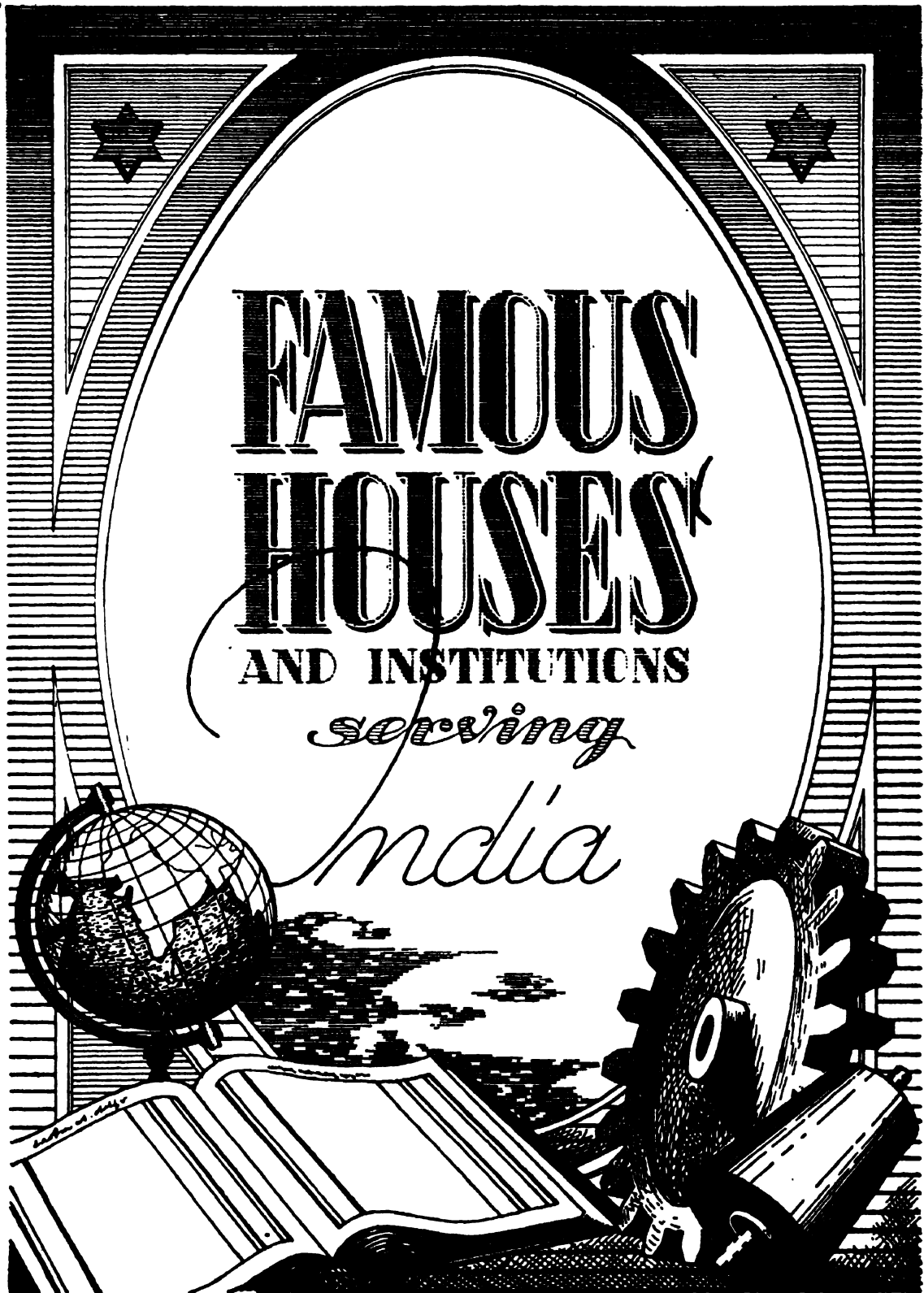
ZAMEER, Syed Ali, B.A., LL.B., Bar-at-Law, M.L.A., Minister for Justice and Excise, Uttar Pradesh, since Aug 1951. *b. March 21, 1896, s. of late Sir Syed Wazir Hasan, Chief Judge, Chief Court of Oudh; m. Begum Aliya Khatoon; two s. and*

two d. *Educ.*: M.A.O. College, Aligarh; Canning College, Lucknow; Law College, Allahabad; Oxford. Called to Bar, 1922; member, Lucknow Municipal Board, 1925-45; member, Legislative Council, 1930-37 and again from 1939 till supersession of legislature; left Muslim League, 1937; organised Shia community; elected Pres., All India Shia Political Conference, 1941; re-elected Pres., 1945; same year convened Shia All-Parties Conference which agreed to dissociate itself from Muslim League policy; Member for Law and Communications, Nehru's first Interim Cabinet; resigned in October, 1946 when Muslim League joined Viceroy's Executive Council; Indian Ambassador in Iran, 1947-51; Minister in Iraq, 1949-51; Designated Ambassador to Indonesia, June 1951; became Minister of Justice in Uttar Pradesh Cabinet; also assigned portfolio of Labour in Oct. 1951; elected to Legislative Assembly Jan. 1952. *Publications*: Articles published in various newspapers and magazines. *Recreations*: Writing articles for Press. *Address*: Secretariat, Lucknow, U.P.

ZILS, Paul, Managing Director, Art Films of Asia Ltd. and DU Ltd., Producer-Director of feature films, documentary film specialist of international reputation. *b. and Educ.* in Germany. Took an active interest in film and dramatic art at an early age; was associated with the UFA Studios in Berlin for five years; travelled extensively throughout Africa, Asia and America, making documentaries as a free-lance; worked in Hollywood with Max Reinhardt and William Dieterle; in India since 1942; was in charge of the Foreign Section of Govt's Information Films of India; member, Advisory Cttee. for Visual Education, G.O.I.; Founder-member, Short Film Guild; member, I.M.P.E.A.; published periodical 'Indian Documentary'; is known as a critical writer on films and social subjects; has made 30 documentaries, including three for the U.N.O.; his feature films are 'Our India' in English (released abroad as 'Dawn of India'), 'Hindustan Hamara' and 'Zalzala' in Hindustani; is now an Indian national). *Address*: "Olympia", Bhulabhai Desai Road, Bombay 26.



ZOBAIRI, Asmat Elahi, Has been Registrar, Muslim Univ., Aligarh. b. 1894 in Marchra, Dt. Etah, U.P.; m. first in 1912; 2nd in 1922 after the death of first wife; five s. and three d. *Educ.*: early education in Urdu and Persian from his learned uncle; joined local English School; Matriculation Exam., Allahabad Univ.; Mohammadan Anglo-Oriental College, Aligarh; graduated from Allahabad Univ., 1916; LL.B. Degree from the School of Law, Allahabad, 1919. Practised for over a year in the home district; joined the All-garh Muslim Univ. as Asstt. Registrar, 1921. *Recreations*: Cricket, Hockey and Tennis; fond of reading light fiction and detective novels. *Address*: Aligarh.



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In partnership with Messrs. Lorilleux & Bolton Ltd., London, famous manufacturers of Printing Inks, some of the Directors have started a Printing Ink factory at BHANDUP (Central Rly.) near Bombay. The factory has started production from September 1951. With large number of Mills going into full production at the factory, they can meet the entire requirements of Printing Inks of various types required in India. The concern is known as J. B. A. PRINTING INKS LIMITED.

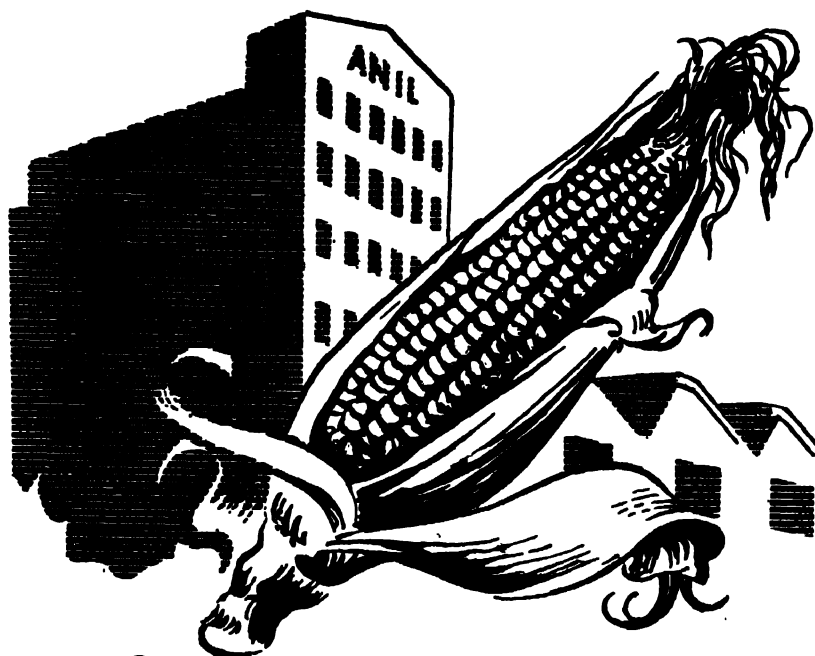
Another enterprise with which they are associated is one for the manufacture of Welding Electrodes, probably the first major attempt in this field of industry in India. In partnership with Messrs. Buehrle & Co., Switzerland, the world famous manufacturers of Welding Electrodes, a new company has been floated under the name of J. B. ADVANI-OERLIKON ELECTRODES LTD. With an up-to-date factory and most modern production line, this factory, situated at BHANDUP (Central Rly.) Greater Bombay, is producing now some of the best Welding Electrodes in the world. They have amongst their patrons, Government, Railways, Shipyards, and Great Steel fabricators of India.

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THE foundations of this famous House were laid in 1895 in Bruce Lane, Bombay, when the late Mr. W. H. Brady in partnership with the late Mr. J. F. Bradbury commenced business as Machinery Agents and Importers, and Advisers on all technical matters relating to the Cotton Textile Industry.

The period was one in which Cotton Mills were on the increase and as Mr. Brady and Mr. Bradbury were two of the best known Mill Managers of the time, their practical experience and expert knowledge of mill management and machinery helped considerably towards the firm's progress.

Within a decade, Bradbury Brady & Co. (as the firm was then styled) had extended its activities far beyond its initial business of machinery importers, for in 1900 the Empire Dye Works was started and in 1901 it took up the agency of the Colaba Land & Mill Company. This was rapidly followed by the agencies of the New City of Bombay Mills, the New Great Eastern Mills, the Sun Mill (now Dhanraj Mills) and the Bradbury Mills.

In 1912 however, a change was made when Mr. Bradbury (in Partnership with Mr. Knowles) restricted his business to the agencies of these Mills under the style of Bradbury & Co., while Mr. Brady started an independent business as a Machinery Agent (with Mr. Kay, Mr. Lakin and Mr. Johnson as junior partners) under the style of W. H. Brady & Co.

In 1913, the latter firm was converted into a private limited liability company under the name and style of W. H. Brady & Co., Ltd., with its Head Office in Bombay. Three years later, on the death of Mr. Bradbury, it took over the agencies of the Empire Dye Works, the New City of Bombay Manufacturing Co., Ltd., the New Great Eastern Spinning and Weaving Co., Ltd., and the Colaba Land & Mill Co., Ltd.

On the retirement of Mr. Brady in 1922, Sir Joseph Kay became Managing Director of the firm and its progress under his management has been considerable. In 1928 the capital was increased and the Company commenced to operate on the joint stock principle without any restrictions on its shares. Today, the operations of the concern cover an extremely wide field, for in addition to its long established textile associations, it has extended its activities over other classes of industry such as Sugar, Engineering, Printing, Insurance, etc.

Associated with the Managing Director is a body of wholetime service directors, namely, Mr. W. Jenkins, Mr. J. Symon, Mr. F. Edwards, Mr. R. S. Smith and Mr. E. F. Morrey, while from time to time, branches have been established in other parts of India until the Company now has offices in Calcutta, Madras, Kanpur, Ahmedabad, Coimbatore and Manchester (England).

TEXTILES.—The Company has a very large Textile Machinery Import Department which carries comprehensive stocks of the manufactures of a number of British and American firms. These firms are recognised everywhere as makers of the highest repute and amongst them may be mentioned—The British Northrop Loom Co., Ltd., Lang Bridge Ltd., Wm. Tatham Ltd. (who have a world-wide reputation for Carding and Spinning machinery for cotton waste and wool), Universal Winding Company (Patentees of the famous Leesona Winding Machines), H. Brinton Co., Hugh Kershaw & Sons Ltd., Cocker Machine & Foundry Co., Cook & Co. (Manchester) Ltd., Samuel O'Neill & Sons Ltd., Small & Parkes Ltd., F. E. Rudman & Co., Ltd., Tragasol Products, Ltd., etc., etc.

COMPANY, LIMITED

The Textile Department is also keenly alive to all changes which constantly take place in the manufacture of Cotton and Silk goods. It is always ready to advise on these changes, suggest up-to-date systems, and to supply machinery in conformity with them.

Being closely associated for more than fifty years with the Cotton Textile Trade in India, the Company has undertaken from time to time, many large contracts and in several cases has executed orders for complete Cotton and Woollen Mills to the entire satisfaction of the purchasers.

In addition to the vast textile machinery business the Company is also directly connected with the Textile Trade in its capacity of Managing Agents for the New City of Bombay Mfg. Co., Ltd., the Empire Dyeing & Mfg. Co., Ltd., and Secretaries and Agents for the New Great Eastern Spg. & Wvg. Co., Ltd.

ENGINEERING.—The Company has a very large general Engineering Department. It carries comprehensive stocks of the manufactures of a number of British Firms, amongst whom may be mentioned Herbert Morris Ltd., The Renold & Coventry Chain Co., Ltd., Hopkinsons Ltd., Geo. Kent Ltd., The Andrew Machine Construction Co., Ltd., G. & J. Weir Ltd., Davidson & Co., Ltd., Norris Henty & Gardners Ltd., Dicks Asbestos & Insulating Co., Ltd., Ashworth & Parker Ltd., Hick Hargreaves & Co., Ltd., Thos. Broadbent & Sons Ltd., Hoffmann Sprinkler Co., Ltd., etc., etc.

In keeping with the development of the Engineering Industry in India, a company under the name of The Brady Engineering Co., Ltd., was formed in 1946 with the object of manufacturing wholly or partially, under licence from their various Principals, such goods as have been imported in the past but which could be readily manufactured in this country.

SUGAR. In their General Department Messrs. W. H. Brady control the management of The Belapur Co., Ltd. This pioneer Company is not only one of the largest of its kind, but has recently erected a new factory which is the most up-to-date in India and is capable of crushing 1,000 tons of cane per day.

It manufactures pure Indian sugar by modern methods from cane which is grown entirely on its own estate.

PRINTING.—Messrs. W. H. Brady control the well-known Caxton Press (G. Claridge & Co., Ltd.) which undertakes all kinds of Printing, Lithography, Die-Stamping, Bookbinding, etc.

INSURANCE.—Insurance is another important line of business with which the Company has been connected for a considerable number of years. The Company acts as Principal Agents of first class British and Indian Insurance Companies, and are always in a position to give advice on, and transact practically all classes of Insurance business with the sole exception of life.

OTHER INTERESTS.—The Company handles several important agencies for goods which are consumed on a very large scale in India, and has built up an extensive connection for its imports of such proprietary articles as Nicholson Files, Nettlefold Screws, Signode Steel Strapping, etc.

CONCLUSION.—In a brief resume of the Company's operations it is impossible to enumerate a complete list of firms for whom they act as representatives, but Messrs. W. H. Brady are well-known to be a live and progressive House, staffed with experts in each branch, and possessing close connections with the Textile Trade, Engineering, the Sugar Industry, Insurance, and manifold other interests.

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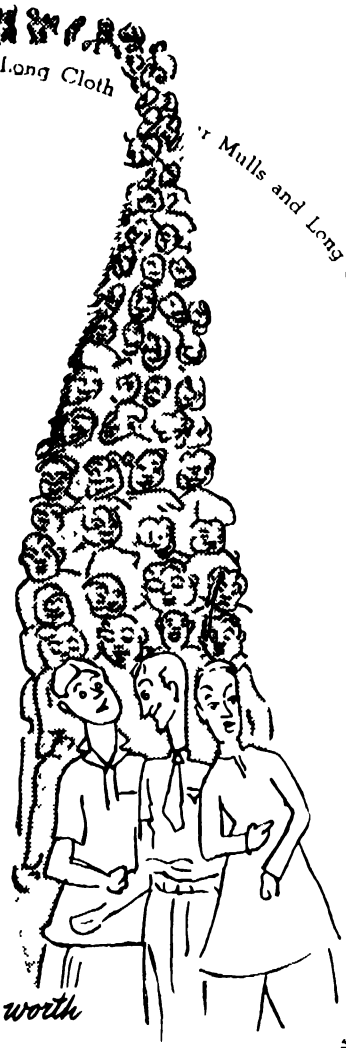
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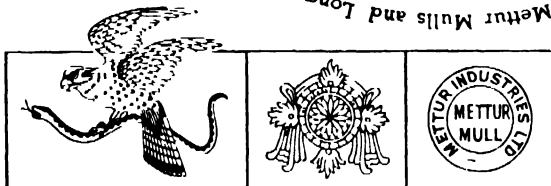
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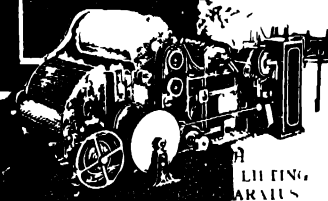
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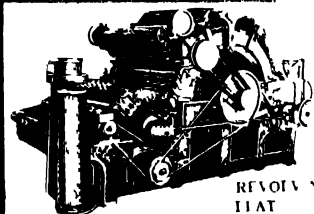
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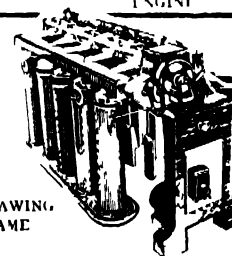
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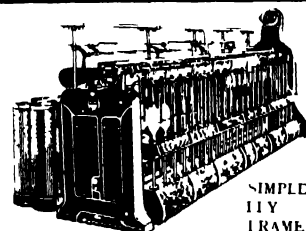
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APPARATUS



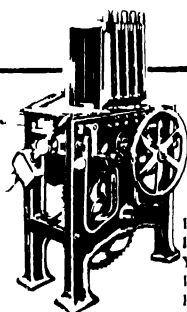
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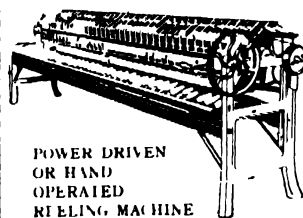
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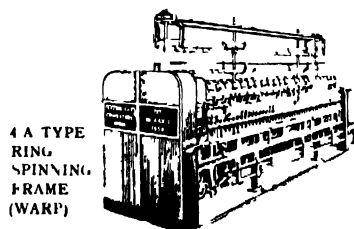
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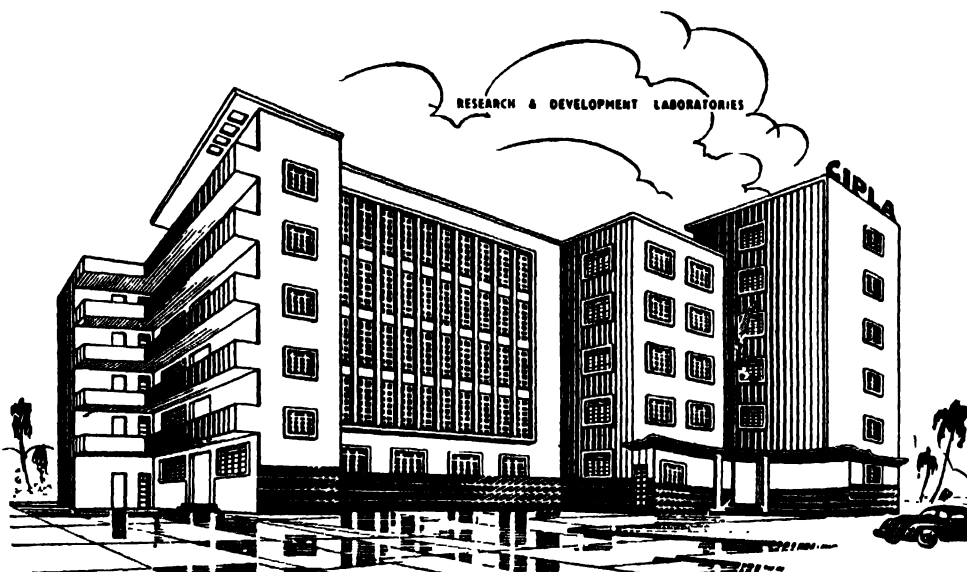
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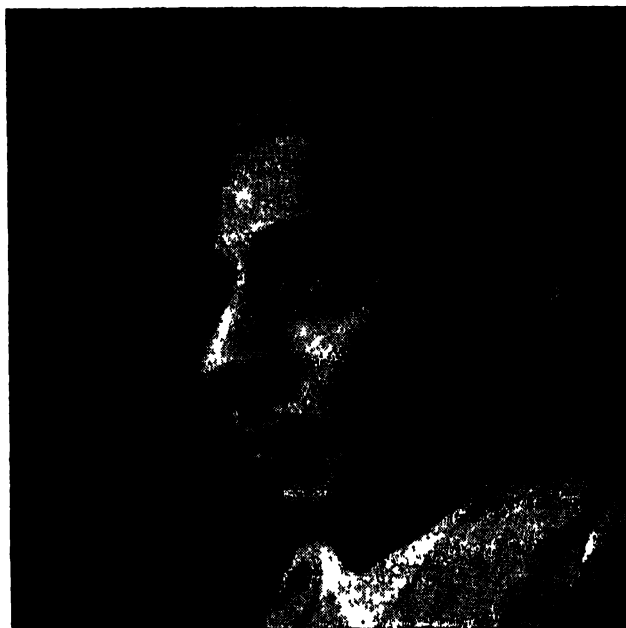
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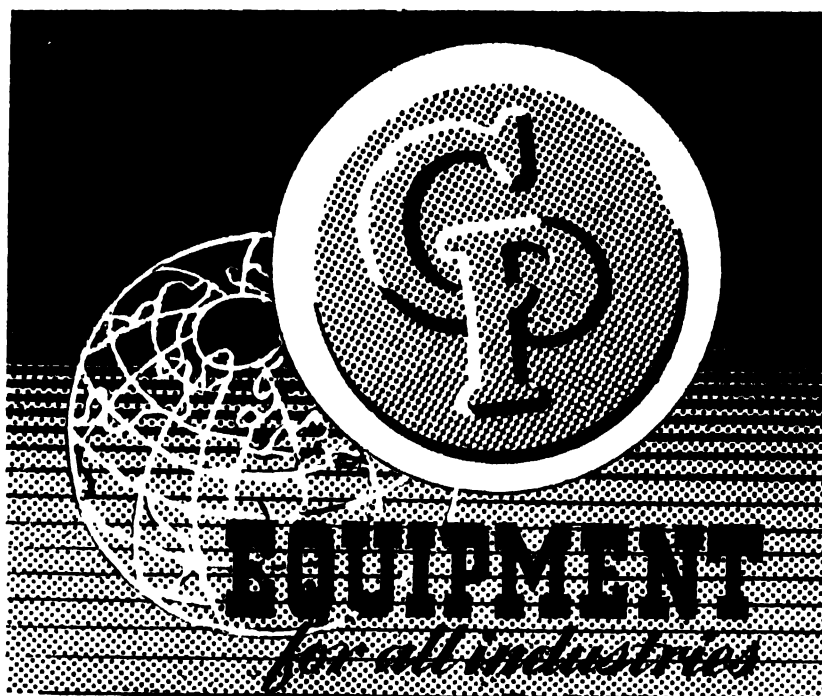
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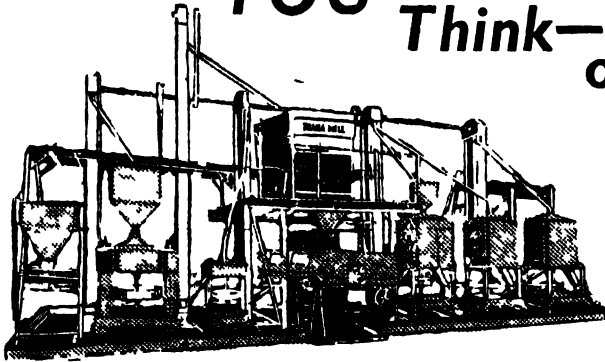
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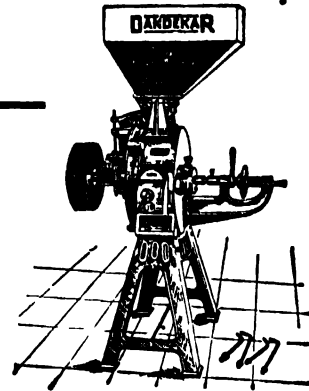
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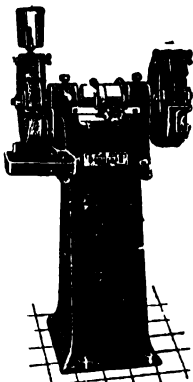
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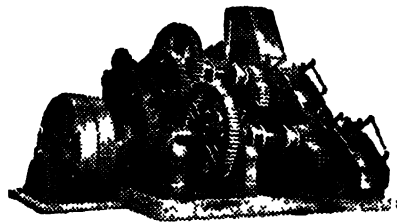
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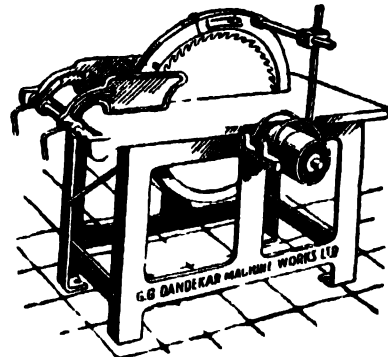
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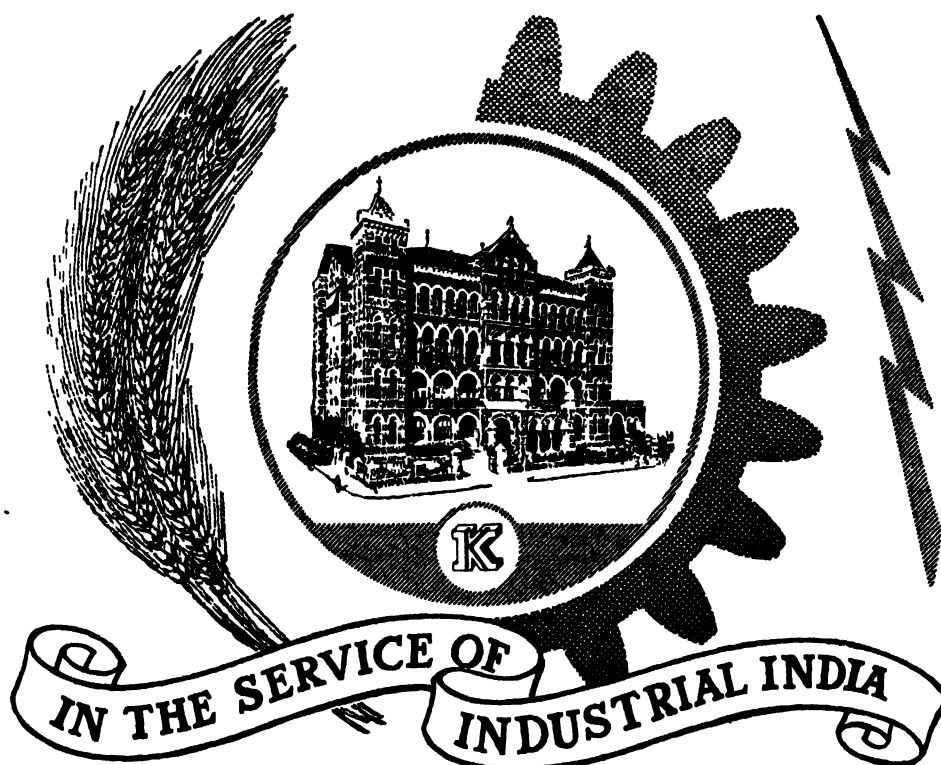
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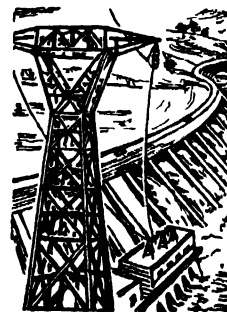
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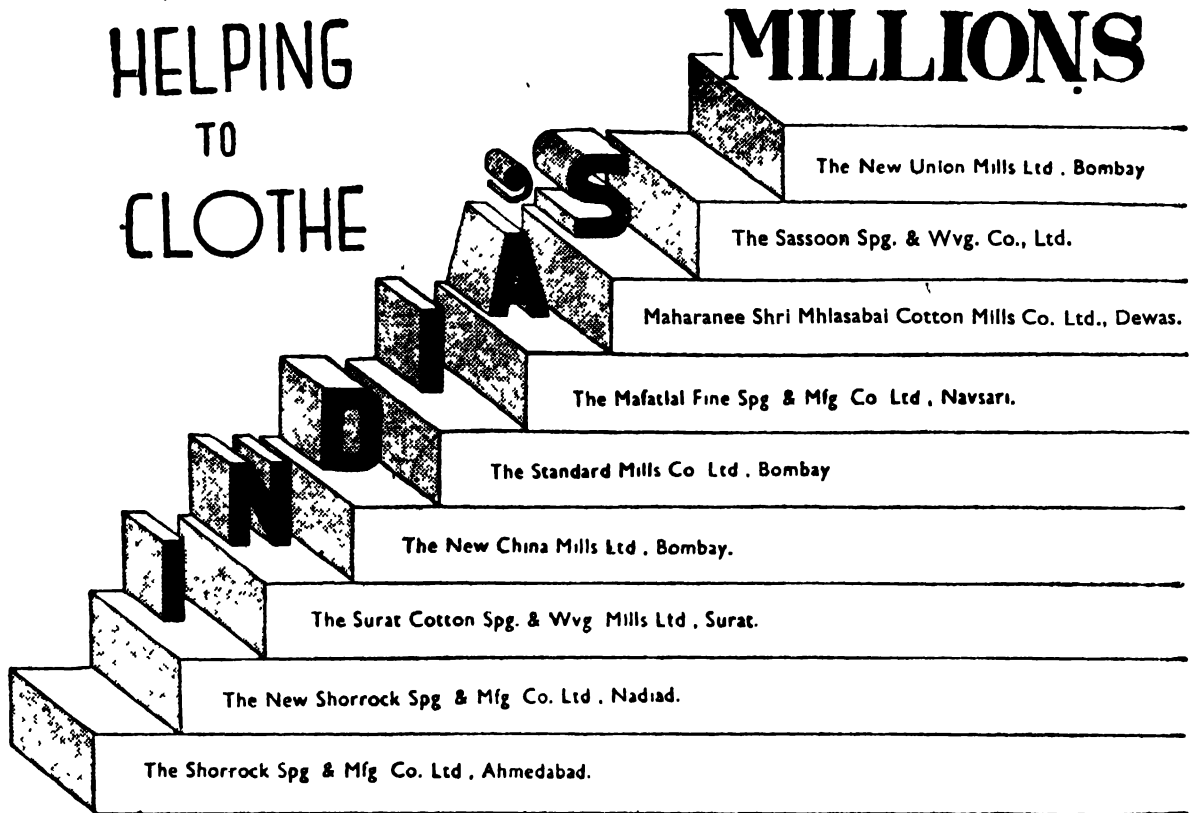
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Died

19 - 12 - 1942

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Even at the age of 18 he showed his enterprising spirit. Not merely content with looking after the family lands, which were ample, he ventured to do independent trade in cotton. With a small oil-engine and with the blessings of Sir Robert Stanes, a ginning factory in Naranapuram was started.

In 1910 he started the Lakshmi Mills with an authorised capital of Rs. one lakh. This too was a ginning factory at the time

Alongside he did forward business in cotton and the First World War amply repaid his speculations, though at one time he had to face a financial crisis immediately after the Armistice in 1918. It was his indomitable spirit that ultimately won.

The ambitious entrepreneur succeeded in making the Lakshmi Ginning factory into a Spinning mill in 1933. It has now added a weaving section also. The seed sown then has blossomed into a big group of mills called THE LAKSHMI GROUP, which includes the Coimbatore Cotton Mills Ltd., the Rajalakshmi Mills Ltd, etc., which form the most important chain in Coimbatore.

In the field of agriculture too his achievements were no less valuable and he used modern methods with advantage.

In honour of his memory, a Trust for affording Medical Relief and Education has been formed. The first tangible result is the construction of an up-to-date Maternity Hospital in Pappanaickenpalayam, Coimbatore at a cost of Rs. 15 lakhs. A high school is also being built by this Trust to function from the next academical year.

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Present total spindlage 76,960 ; Looms 200.

Year.	At Coimbatore.	At Kovilpatti.	Total.
1934	11,600	.....	11,600
1935	18,400	.....	18,400
1936 and 1937	25,440	.....	25,440
1938 to 1941	40,672	.....	40,672
1941	40,672	7,766	48,438
1942 to 1946	40,672	7,766	48,438
1947	41,872	7,766	49,638
1948	41,884	15,984	57,868
1949	42,336	18,576	60,912
1950	42,368	20,736	63,104
1951	42,368	25,920	68,288
1952	51,040	25,920	76,960

Between 1941 and 1948 bonus shares were declared 4 times and Reserves were capitalised and distributed to shareholders. Paid-up Capital of Rs. 53,46,150 now includes Rs. 41,64,100 as bonus issues. Further particulars are :—

Year ending.	Paid-up Capital. Rs.	Dividend percentage.	Dividend paid per year. Rs.
31-3-1943	17,81,800	40	6,66,037
1944 to 1947	17,82,050	24	4,27,692
1948	35,64,100	12	4,27,692
1949 to 1951	53,46,150	8	4,27,692
1952 & 1953	53,46,150	10	5,34,615

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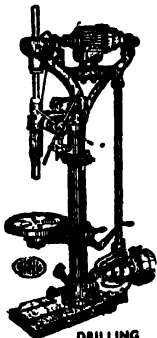
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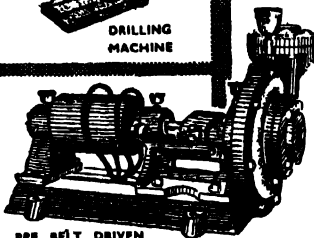
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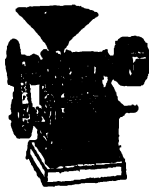
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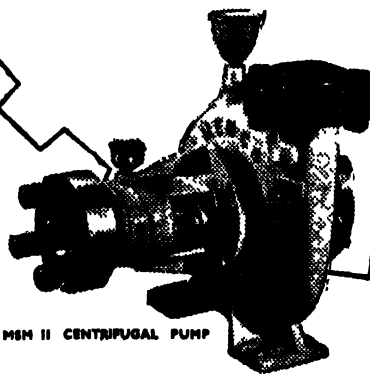
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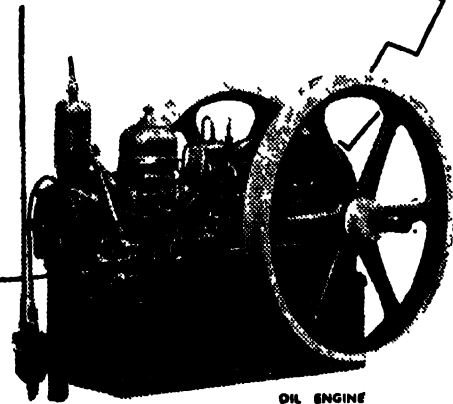
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General Manager : Shah L. Janniah, B.Sc., A.I.I.S.C.

In pursuance of their policy to transfer Industrial Concerns started by them to private enterprise, after they had been established on a sound basis, the Government of Mysore sponsored the establishment of THE MYSORE INDUSTRIAL & TESTING LABORATORY, LTD., for the purpose of handing over as a running concern, the Government Industrial & Testing Laboratory—a Concern started by them in 1931 for the manufacture of Pharmaceutical Preparations.

In so doing the Government initiated a new policy of working this Industrial Concern of theirs jointly with the public. The Government of Mysore continue to be interested in the Concern as part owners in that 25 per cent of the shares are held by them. The Government have also the right of nominating three of their representatives as Directors on the Board of Management. One of these Government Directors is also appointed by them as Chairman of the Company. The Director of Medical Services in Mysore and the Director of Public Health in Mysore are *ex-officio* representatives of the Government on the Board of Management.

The Laboratory is well equipped for the work it is intended to do, with up-to-date machinery, chemical plants designed for highly specialised work, and a fully equipped Chemical Control Laboratory. Highly qualified chemists and trained skilled workers are in charge of all manufacturing operations.

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THE Company was floated in 1936 and manufacture started in the middle of 1937.

OBJECTS

Manufacture of Incandescent Electric Lamps of 10 to 1,000 Watts in all standard voltages, Neon Sign lamps, Street Series lamps, Torch lamps, Train Lighting lamps, etc., and components therefor.

CAPITAL

The Authorised Capital is Rs. 10 Lakhs out of which Rs. 6,37,030 are issued and fully subscribed.

At present the Company has a Reserve of Rs. 7,15,000.

PLANT AND PRODUCTS

The products manufactured in the Works are well received both by the Governments and the General Public. The full requirements of Mysore Government in Electric lamps are being met by this factory and Street Series lamps required by the Hyderabad Government have been supplied. Attempts are being made to manufacture successfully Automobile lamps; Telephone Switch Board lamps; and Torch lamps. Coloured Decorative lamps have been manufactured and released to the market.

This factory has employed 160 persons and has got highly automatic up-to-date machinery, and is managed by well trained Skilled Personnel. Rigid tests are applied at every stage regarding quality and best quality lamps are produced.

For Efficiency and Long Life Mysore lamps are well known and there is great demand for these lamps. Efforts are being made to reach upto the installed capacity of 15,000 lamps per day, as early as possible depending upon market conditions.

PRICES

As members of the Indian Lamp Factories Association, we strictly adhere to the price policy of the Association.

We have Sole Distributors all over India and there are great demands from all parts of the country for Mysore lamps.

This is one of the major lamp factories in India and the only Factory in Southern India. With the Development of electricity schemes in the country it is hoped that the installed capacity of the factory will be fully utilised in the near future and our products will be in great demand in all parts of India.

WELFARE ACTIVITIES

The Company provides a Canteen which caters to the needs of the workers with lunch and meals at considerably lower rates on no profit no loss basis. The workers are also provided with a Recreation Club wherein facilities for Indoor and Outdoor games, News papers and Magazines, etc. are provided.

Free Medical Aid is given to all the employees and a Registered Medical Practitioner visits the works twice a week.

Provident Fund facilities are provided to the workers and leave is given to the employees in accordance with the Works Service Rules as applied to Mysore Government Industrial Concerns.



Mr. George Chandy, M.S.E.E., Chief Electrical Engineer to the Government of Mysore and The Controller, Mysore Lamp Works Ltd., Bangalore 3.

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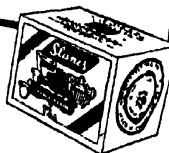


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Side view of the Mills

The Company had to pass through trying and difficult times for over two decades after its birth just after the First Great War in 1920. The Government of Mysore with their usual farsighted policy of encouraging industrial enterprise in the State came to the rescue of the Company at a critical time in 1931 and by assuming managerial responsibility of the Company, placed it on a firm basis.



Canteen

During World War II, the Company recorded rapid progress, shook off the heavy debt burden, built up sizable reserves and established itself on sound financial foundations. State aid became no longer necessary and the management was handed over in 1946 by Government to the shareholders. The paid-up share capital, which had been written down by half in 1926, was restored to its original paid up value of Rs 50 per share in 1948.

Labour welfare has continued to receive the active and sympathetic attention of the management. With the full co-operation of the labour force which is forthcoming in ample measure, it has been possible for the Mills to improve their standard of living and introduce many new welfare measures. In the matter of labour housing, in addition to the 68 original tenements, 176 fresh tenements were added to the modern labour colony during 1944-48. A permanent scheme for the payment of profit bonus linked to the dividend paid to the shareholders was instituted in 1944. In 1949, old rules of periodical gratuities to workers were replaced by a new compulsory scheme of Workmen's Provident Fund.

An up-to-date Canteen, Creche, Free Dispensary, Co-operative Society, Children's Schools, Bhajan Mandir, Social Club and Adult Literacy classes are the chief welfare institutions actively functioning for the good of workers and their dependants.



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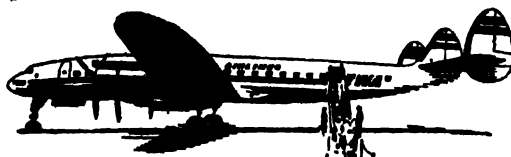


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GENERAL INDEX

Note.—Every effort has been made to give a comprehensive index to the information given in the Book, and it is hoped that it will facilitate easy reference. Should, however, anyone have suggestions or criticism to offer calculated to improve the index, they are welcome and will be carefully considered.

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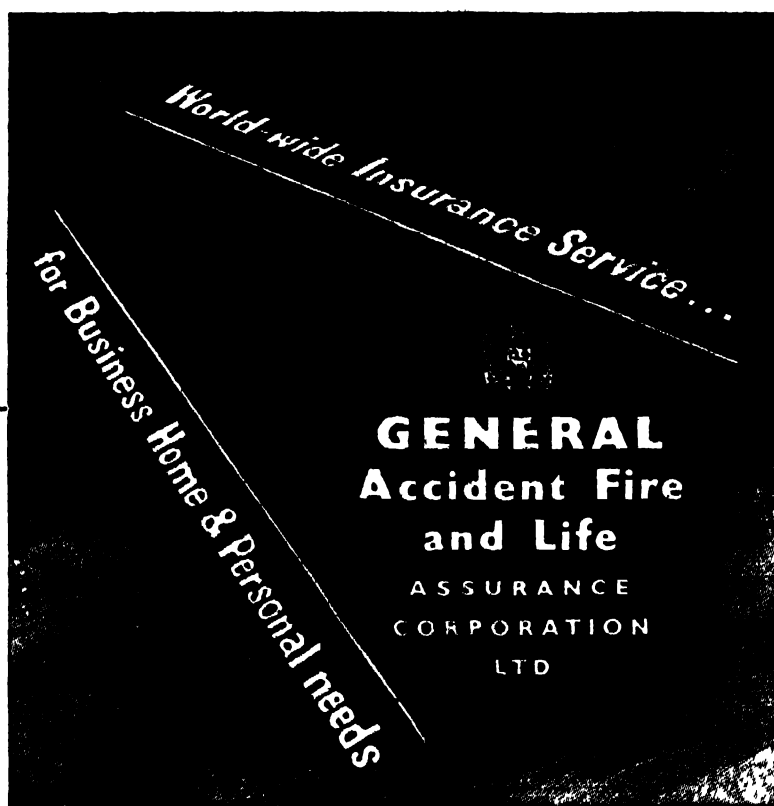
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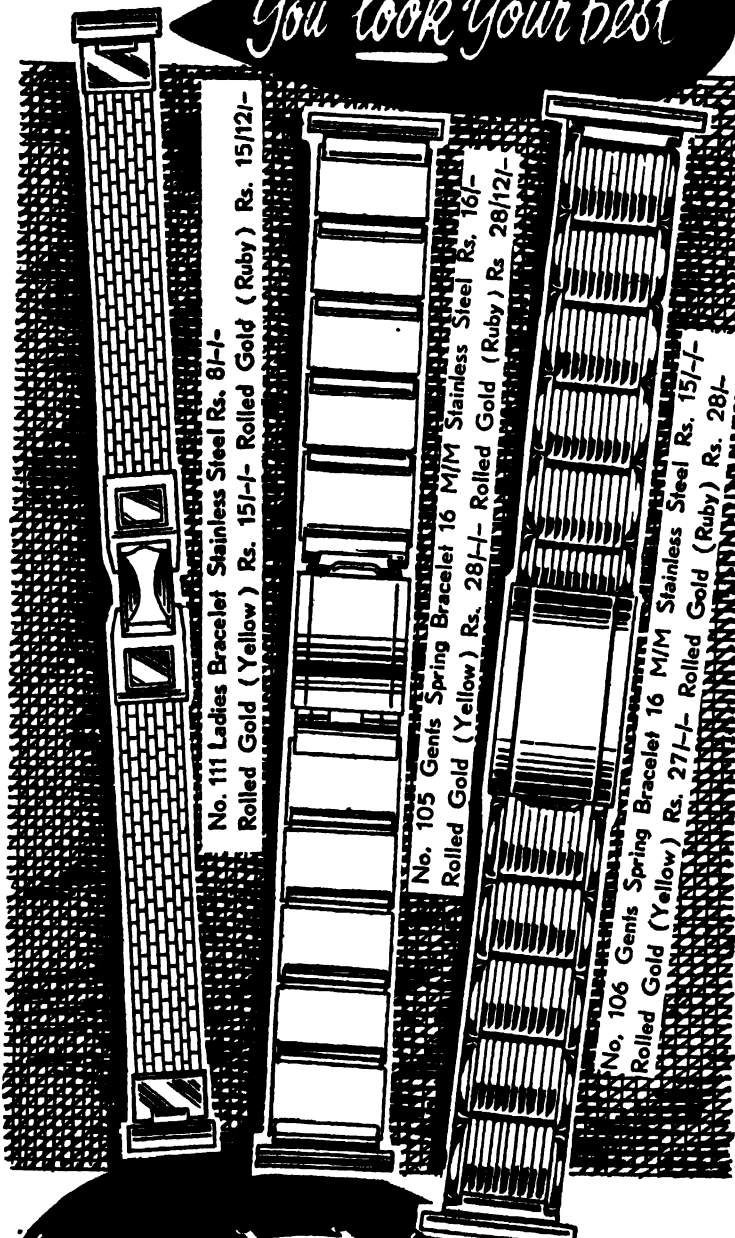
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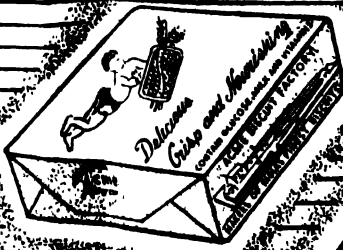
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